

## Supplemental Listing Document

If you are in any doubt as to any aspect of this document, you should consult your stockbroker or other registered dealer in securities, bank manager, solicitor, accountant or other professional adviser.

Application has been made to the Singapore Exchange Securities Trading Limited (the “**SGX-ST**”) for permission to deal in and for quotation of the Certificates (as defined below). The SGX-ST assumes no responsibility for the correctness of any statements made or opinions or reports expressed in this document, makes no representation as to its accuracy or completeness and expressly disclaims any liability whatsoever for any loss howsoever arising from or in reliance upon the whole or any part of the contents of this document. Admission to the Official List of the SGX-ST is not to be taken as an indication of the merits of SG Issuer, Société Générale, the Certificates, or the Company (as defined below).

**2,700,000 European Style Cash Settled Short Certificates  
relating to the Class A Common Stock of Meta Platforms, Inc.  
with a Daily Leverage of -3x**

**issued by**

**SG Issuer**

**(Incorporated in Luxembourg with limited liability)**

**unconditionally and irrevocably guaranteed by**

**Société Générale**

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**Issue Price: S\$4.00 per Certificate**

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This document is published for the purpose of obtaining a listing of all the above certificates (the “**Certificates**”) to be issued by SG Issuer (the “**Issuer**”) unconditionally and irrevocably guaranteed by Société Générale (the “**Guarantor**”), and is supplemental to and should be read in conjunction with a base listing document dated 14 June 2024 including such further base listing documents as may be issued from time to time, as supplemented by an addendum dated 30 September 2024 (the “**Base Listing Document**”), for the purpose of giving information with regard to the Issuer, the Guarantor and the Certificates. Information relating to the Company (as defined below) is contained in this document.

This document does not constitute or form part of any offer, or invitation, to subscribe for or to sell, or solicitation of any offer to subscribe for or to purchase, Certificates or other securities of the Issuer, nor is it calculated to invite, nor does it permit the making of, offers by the public to subscribe for or purchase for cash or other consideration the Certificates or other securities of the Issuer.

Restrictions have been imposed on offers and sales of the Certificates and on distributions of documents relating thereto in Singapore, Hong Kong, the European Economic Area, the United Kingdom and the United States (see “Placing and Sale” contained herein).

The Certificates are complex products. You should exercise caution in relation to them. Investors are warned that the price of the Certificates may fall in value as rapidly as it may rise and holders may sustain a total loss of their investment. The price of the Certificates also depends on the supply and demand for the Certificates in the market and the price at which the Certificates is trading at any time may differ from the underlying valuation of the Certificates because of market inefficiencies. It is not possible to predict the secondary market for the Certificates. Although the Issuer, the Guarantor and/or any of their affiliates may from time to time purchase the Certificates or sell additional Certificates on the market, the Issuer, the Guarantor and/or any of their affiliates are not obliged to do so. Investors should also note that there are leveraged risks because the Certificates integrate an inverse leverage mechanism and the Certificates will amplify the movements in the increase, and in the decrease, of the value of the Underlying Stock (as defined below) and if the investment results in a loss, any such loss will be increased by the leverage factor of the Certificates. As such, investors could lose more than they would if they had invested directly in the Underlying Stock.

The Certificates are classified as capital markets products other than prescribed capital markets products<sup>1</sup> and Specified Investment Products (SIPs)<sup>2</sup>, and may only be sold to retail investors with enhanced safeguards, including an assessment of such investors' investment knowledge or experience.

The Certificates constitute general unsecured obligations of the Issuer (in the case of any substitution of the Issuer in accordance with the Conditions of the Certificates, the Substituted Obligor as defined in the Conditions of the Certificates) and of no other person, and the guarantee dated 14 June 2024 (the "**Guarantee**") and entered into by the Guarantor constitutes direct unconditional unsecured senior preferred obligations of the Guarantor and of no other person, and if you purchase the Certificates, you are relying upon the creditworthiness of the Issuer and the Guarantor and have no rights under the Certificates against any other person.

Application has been made to the SGX-ST for permission to deal in and for quotation of the Certificates and the SGX-ST has agreed in principle to grant permission to deal in and for quotation of the Certificates. It is expected that dealings in the Certificates will commence on or about 8 October 2024.

As of the date hereof, the Guarantor's long term credit rating by S&P Global Ratings is A, and by Moody's Investors Service, Inc. is A1.

The Issuer is regulated by the Luxembourg Commission de Surveillance du Secteur Financier on a consolidated basis and the Guarantor is regulated by, *inter alia*, the Autorité des Marchés Financiers, the Autorité de Contrôle Prudentiel et de Résolution and the European Central Bank.

7 October 2024

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<sup>1</sup> As defined in the Securities and Futures (Capital Markets Products) Regulations 2018.

<sup>2</sup> As defined in the MAS Notice SFA 04-N12: Notice on the Sale of Investment Products and MAS Notice FAA-N16: Notice on Recommendations on Investment Products.

Subject as set out below, the Issuer and the Guarantor accept full responsibility for the accuracy of the information contained in this document and the Base Listing Document in relation to themselves and the Certificates. To the best of the knowledge and belief of the Issuer and the Guarantor (each of which has taken all reasonable care to ensure that such is the case), the information contained in this document and the Base Listing Document for which they accept responsibility (subject as set out below in respect of the information contained herein with regard to the Company) is in accordance with the facts and does not omit anything likely to affect the import of such information. The information with regard to the Company as set out herein is extracted from publicly available information. The Issuer and the Guarantor accept responsibility only for the accurate reproduction of such information. No further or other responsibility or liability in respect of such information is accepted by the Issuer and the Guarantor.

No person has been authorised to give any information or to make any representation other than those contained in this document in connection with the offering of the Certificates, and, if given or made, such information or representations must not be relied upon as having been authorised by the Issuer or the Guarantor. Neither the delivery of this document nor any sale made hereunder shall under any circumstances create any implication that there has been no change in the affairs of the Issuer, the Guarantor or their respective subsidiaries and associates since the date hereof.

This document does not constitute an offer or invitation by or on behalf of the Issuer or the Guarantor to purchase or subscribe for any of the Certificates. The distribution of this document and the offering of the Certificates may, in certain jurisdictions, be restricted by law. The Issuer and the Guarantor require persons into whose possession this document comes to inform themselves of and observe all such restrictions. In particular, the Certificates and the Guarantee have not been and will not be registered under the United States Securities Act of 1933, as amended or any state securities law, and trading in the Certificates has not been approved by the United States Commodity Futures Trading Commission (the “**CFTC**”) under the United States Commodity Exchange Act of 1936, as amended and the Issuer has not been and will not be registered as an investment company under the United States Investment Company Act of 1940, as amended, and the rules and regulations thereunder. None of the Securities and Exchange Commission, any state securities commission or regulatory authority or any other United States, French or other regulatory authority has approved or disapproved of the Certificates or the Guarantee or passed upon the accuracy or adequacy of this document. Accordingly, Certificates, or interests therein, may not at any time be offered, sold, resold, traded, pledged, exercised, redeemed, transferred or delivered, directly or indirectly, in the United States or to, or for the account or benefit of, U.S. persons, nor may any U.S. person at any time trade, own, hold or maintain a position in the Certificates or any interests therein. In addition, in the absence of relief from the CFTC, offers, sales, re-sales, trades, pledges, exercises, redemptions, transfers or deliveries of Certificates, or interests therein, directly or indirectly, in the United States or to, or for the account or benefit of, U.S. persons, may constitute a violation of United States law governing commodities trading and commodity pools. Consequently, any offer, sale, resale, trade, pledge, exercise, redemption, transfer or delivery made, directly or indirectly, within the United States or to, or for the account or benefit of, a U.S. person will not be recognised. A further description of certain restrictions on offering and sale of the Certificates and distribution of this document is given in the section headed “Placing and Sale” contained herein.

The SGX-ST has made no assessment of, nor taken any responsibility for, the financial soundness of the Issuer or the Guarantor or the merits of investing in the Certificates, nor have they verified the accuracy or the truthfulness of statements made or opinions expressed in this document.

The Issuer, the Guarantor and/or any of their affiliates may repurchase Certificates at any time on or after the date of issue and any Certificates so repurchased may be offered from time to time in one or more transactions in the over-the-counter market or otherwise at prevailing market

prices or in negotiated transactions, at the discretion of the Issuer, the Guarantor and/or any of their affiliates. Investors should not therefore make any assumption as to the number of Certificates in issue at any time.

References in this document to the “**Conditions**” shall mean references to the Terms and Conditions of the European Style Cash Settled Long/Short Certificates on Single Equities contained in the Base Listing Document. Terms not defined herein shall have the meanings ascribed thereto in the Conditions.

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## RISK FACTORS

The following are risk factors relating to the Certificates:

- (a) in respect of certain corporate adjustment events on the Underlying Stock, trading in the Certificates may be suspended on the relevant ex-date of the Underlying Stock and trading in the Certificates will resume on the next immediate trading day on the SGX-ST. Please note that trading in the Certificates on the SGX-ST may be suspended for more than one trading day in certain circumstances;
- (b) circuit breakers are automatic mechanisms adopted in the U.S. stock market. Circuit breakers are invoked if the stock markets experience extreme broad-based declines or extreme volatility within a single stock, which are designed to slow the effects of extreme price movement through coordinated trading halts across securities markets in the U.S. stock market when severe price declines reach levels that may exhaust market liquidity.

Circuit breakers implemented by the Relevant Stock Exchange for the Underlying Stock may result in a temporary trading halt of the Underlying Stock on the Relevant Stock Exchange for the Underlying Stock, or under extreme circumstances, closure of the U.S. stock market (including all trading on the Relevant Stock Exchange for the Underlying Stock) before normal close of the trading session in the U.S. stock market.

Investors should be aware of the risk of potential high volatility in the trading prices of the Certificates upon commencement and throughout the trading hours of the SGX-ST on a trading day in Singapore in response to any overnight trigger of circuit breakers resulting in temporary trading halt of the Underlying Stock during the trading day of the Relevant Stock Exchange for the Underlying Stock immediately prior to such Singapore trading day;

- (c) investment in Certificates involves substantial risks including market risk, liquidity risk, and the risk that the Issuer and/or the Guarantor will be unable to satisfy its/their obligations under the Certificates. Investors should ensure that they understand the nature of all these risks before making a decision to invest in the Certificates. You should consider carefully whether Certificates are suitable for you in light of your experience, objectives, financial position and other relevant circumstances. Certificates are not suitable for inexperienced investors;
- (d) the Certificates constitute general unsecured obligations of the Issuer (in the case of any substitution of the Issuer in accordance with the Conditions of the Certificates, the Substituted Obligor as defined in the Conditions of the Certificates) and of no other person, and the Guarantee constitutes direct unconditional unsecured senior preferred obligations of the Guarantor and of no other person. In particular, it should be noted that the Issuer issues a large number of financial instruments, including Certificates, on a global basis and, at any given time, the financial instruments outstanding may be substantial. If you purchase the Certificates, you are relying upon the creditworthiness of the Issuer and the Guarantor and have no rights under the Certificates against any other person;
- (e) since the Certificates relate to the price of the Underlying Stock, certain events relating to the Underlying Stock may cause adverse movements in the value and the price of the Underlying Stock, as a result of which, the Certificate Holders (as defined in the Conditions of the Certificates) may, in extreme circumstances, sustain a significant loss of their investment if the price of the Underlying Stock has risen sharply;
- (f) due to their nature, the Certificates can be volatile instruments and may be subject to considerable fluctuations in value. The price of the Certificates may fall in value as rapidly as

it may rise due to, including but not limited to, variations in the frequency and magnitude of the changes in the price of the Underlying Stock, the time remaining to expiry, the currency exchange rates and the creditworthiness of the Issuer and the Guarantor;

- (g) if, whilst any of the Certificates remain unexercised, trading in the Underlying Stock is suspended or halted on the relevant stock exchange, trading in the Certificates may be suspended for a similar period.

The suspension may be lifted and trading in the Underlying Stock may resume outside or during the trading hours of the SGX-ST. If trading in the Underlying Stock resumes, trading in the Certificates will resume either in accordance with the scheduled trading resumption timing (if any) as specified in the announcement(s) to be published in respect of the resumption of trading in the Underlying Stock. Please note that the price of the Certificates may be highly volatile following the resumption of trading in the Certificates;

- (h) as indicated in the Conditions of the Certificates and herein, a Certificate Holder must tender a specified number of Certificates at any one time in order to exercise. Thus, Certificate Holders with fewer than the specified minimum number of Certificates in a particular series will either have to sell their Certificates or purchase additional Certificates, incurring transactions costs in each case, in order to realise their investment;
- (i) investors should note that in the event of there being a Market Disruption Event (as defined in the Conditions) determination or payment of the Cash Settlement Amount (as defined in the Conditions) may be delayed, all as more fully described in the Conditions;
- (j) certain events relating to the Underlying Stock require or, as the case may be, permit the Issuer to make certain adjustments or amendments to the Conditions. Investors may refer to the Conditions 4 and 6 on pages 32 to 37 and the examples and illustrations of adjustments set out in the “Information relating to the European Style Cash Settled Short Certificates on Single Equities” section of this document for more information;
- (k) the Certificates are only exercisable on the Expiry Date and may not be exercised by Certificate Holders prior to such Expiry Date. Accordingly, if on the Expiry Date the Cash Settlement Amount is zero, a Certificate Holder will lose the value of his investment;
- (l) the total return on an investment in any Certificate may be affected by the Hedging Fee Factor (as defined below), Management Fee (as defined below) and Gap Premium (as defined below);
- (m) investors holding their position beyond market close of the SGX-ST should note that they would be required to bear the annualised cost which consists of the Management Fee and Gap Premium, which are calculated daily and applied to the value of the Certificates, as well as certain costs embedded within the Leverage Inverse Strategy (as described below) including the Stock Borrowing Cost (as defined below) and Rebalancing Cost (as defined below). Due to the difference in trading hours of the SGX-ST and the Relevant Stock Exchange for the Underlying Stock, unless investors exit their position within the same SGX-ST trading day, they would bear the annualised costs;
- (n) investors should note that there may be an exchange rate risk relating to the Certificates where the Cash Settlement Amount is converted from a foreign currency into Singapore dollars.

Exchange rates between currencies are determined by forces of supply and demand in the foreign exchange markets. These forces are, in turn, affected by factors such as international balances of payments and other economic and financial conditions, government intervention

in currency markets and currency trading speculation. Fluctuations in foreign exchange rates, foreign political and economic developments, and the imposition of exchange controls or other foreign governmental laws or restrictions applicable to such investments may affect the foreign currency market price and the exchange rate-adjusted equivalent price of the Certificates. Fluctuations in the exchange rate of any one currency may be offset by fluctuations in the exchange rate of other relevant currencies;

- (o) investors should note that there are leveraged risks because the Certificates integrate an inverse leverage mechanism and the Certificates will amplify the movements in the increase, and in the decrease, of the value of the Underlying Stock and if the investment results in a loss, any such loss will be increased by the leverage factor of the Certificates. As such, investors could lose more than they would if they had invested directly in the Underlying Stock;
- (p) when held for longer than a day, the performance of the Certificates could be more or less than the leverage factor that is embedded within the Certificates. The performance of the Certificates each day is locked in, and any subsequent returns are based on what was achieved the previous trading day. This process, referred to as compounding, may lead to a performance difference from 3 times the inverse performance of the Underlying Stock over a period longer than one day. This difference may be amplified in a volatile market with a sideways trend, where market movements are not clear in direction, whereby investors may sustain substantial losses;
- (q) the Underlying Stock to which the Certificates relate are only quoted during US trading hours. This means that the Air Bag Mechanism (as defined below) can only be triggered when the SGX-ST is not open for trading. There is therefore a specific risk that overnight, investors in the Certificates incur a significant or even entire loss of the amounts invested in the Certificates, without being able to exit their investments in the Certificates;
- (r) investors should note that the Air Bag Mechanism reduces the impact on the Leverage Inverse Strategy if the Underlying Stock rises further, but will also maintain a reduced exposure to the Underlying Stock in the event the Underlying Stock starts to fall after the Air Bag Mechanism is triggered, thereby reducing its ability to recoup losses;
- (s) there is no assurance that the Air Bag Mechanism will prevent investors from losing the entire value of their investment, in the event of (i) an overnight increase in the Underlying Stock, where there is an approximately 33% or greater gap between the previous trading day closing price and the opening price of the Underlying Stock the following trading day, as the Air Bag Mechanism will only be triggered when market opens the following trading day or (ii) a sharp intraday increase in the price of the Underlying Stock of approximately 33% or greater within the 15 minutes Observation Period compared to the reference price, being: (1) if air bag has not been previously triggered on the same day, the previous closing price of the Underlying Stock, or (2) if one or more air bag have been previously triggered on the same day, the latest New Observed Price. Investors should note that the Air Bag Mechanism may only be triggered during the trading of the Relevant Stock Exchange for the Underlying Stock. Investors may refer to pages 54 to 55 of this document for more information;
- (t) investors should note that the Certificates are issued over an Underlying Stock which is listed on an exchange with different trading hours from the SGX-ST. There may be a risk arising from the time difference between the trading hours of the Relevant Stock Exchange for the Underlying Stock (based on New York time) and the trading hours of the SGX-ST. As such, (i) the price of the Underlying Stock may not be available during the trading hours of the Certificates on SGX-ST; (ii) Air Bag Mechanism may be triggered during the trading hours of



the Relevant Stock Exchange for the Underlying Stock, which would not be during SGX-ST trading hours; (iii) the trigger of an Air Bag Mechanism, when the Certificates are not open for trading, will lead to a different Leverage Inverse Strategy Closing Level, i.e. the value of the Certificates subsequently during the SGX-ST trading hours will be based on a different Leverage Inverse Strategy Closing Level reference for the purpose of the Leveraged Return calculation compared to a case where no Air Bag Mechanism would have been triggered; and (iv) given the Relevant Stock Exchange for the Underlying Stock is not open for trading during the SGX-ST trading hours, the market price of the Certificates may be affected by the derived spot price of the Underlying Stock on the Related Exchange during SGX-ST trading hours (which may deviate from the published price of the Underlying Stock), consequentially the market price of the Certificates during SGX-ST trading hours may deviate from the published price of the Underlying Stock during the US trading hours on the same day. There is therefore a specific risk that investors in the Certificates may incur a significant or even entire loss of the amounts invested in the Certificates, without being able to exit their investments in the Certificates.

In particular, please note that the trading price of the Underlying Stock may be volatile during a time in which the SGX-ST is not open for trading of the Certificates. Outside the trading hours of the SGX-ST, investors will not be able to sell or trade in the Certificates even if the trading price of the Underlying Stock is highly volatile.

Market news and/or corporate announcements relating to the Underlying Stock (including corporate event announcements or other price sensitive information) may be released outside the trading hours of the Relevant Stock Exchange for the Underlying Stock (based on New York time), but during the trading hours of the SGX-ST (based on Singapore time). The trading price of the Certificates may become highly volatile during the relevant trading hours of the SGX-ST in response to such market/corporate news pending opening of the Underlying Stock. The market and investors may not have sufficient time to digest fully, and/or assess the potential impact of, such corporate news on the Underlying Stock and hence the Certificates.

Investors may refer to pages 54 to 55 of this document for more information;

- (u) certain events may, pursuant to the terms and conditions of the Certificates, trigger (i) the implementation of methods of adjustment or (ii) the early termination of the Certificates. The Certificates may be terminated prior to its Expiry Date for the following reasons which are not exhaustive: Illegality and force majeure, occurrence of a Holding Limit Event (as defined in the Conditions of the Certificates) or Hedging Disruption (as defined in the Conditions of the Certificates). For more detailed examples of when early termination may occur, please refer to the FAQ section under the "Education" tab on the website at [dlc.socgen.com](http://dlc.socgen.com).

The Issuer will give the investors reasonable notice of any early termination. If the Issuer terminates the Certificates early, the Issuer will, if and to the extent permitted by applicable law, pay an amount to each Certificate Holder in respect of each Certificate held by such holder equal to the fair market value of the Certificate less the cost to the Issuer of unwinding any underlying related hedging arrangements, all as determined by the Issuer in its sole and absolute discretion. The performance of this commitment shall depend on (i) general market conditions and (ii) the liquidity conditions of the underlying instrument(s) and, as the case may be, of any other hedging transactions. Investors should note that the amount repaid by the Issuer may be substantially less than the amount initially invested, and at the worst case, be zero. Investors may refer to the Condition 13 on pages 39 to 42 of this document for more information;

- (v) there is no assurance that an active trading market for the Certificates will sustain throughout the life of the Certificates, or if it does sustain, it may be due to market making on the part of the Designated Market Maker. The Issuer acting through its Designated Market Maker may be the only market participant buying and selling the Certificates. Therefore, the secondary market for the Certificates may be limited and you may not be able to realise the value of the Certificates. Do note that the bid-ask spread increases with illiquidity;
- (w) in the ordinary course of their business, including without limitation, in connection with the Issuer or its appointed designated market maker's market making activities, the Issuer, the Guarantor and any of their respective subsidiaries and affiliates may effect transactions for their own account or for the account of their customers and hold long or short positions in the Underlying Stock. In addition, in connection with the offering of any Certificates, the Issuer, the Guarantor and any of their respective subsidiaries and affiliates may enter into one or more hedging transactions with respect to the Underlying Stock. In connection with such hedging or market-making activities or with respect to proprietary or other trading activities by the Issuer, the Guarantor and any of their respective subsidiaries and affiliates, the Issuer, the Guarantor and any of their respective subsidiaries and affiliates may enter into transactions in the Underlying Stock which may affect the market price, liquidity or value of the Certificates and which may affect the interests of Certificate Holders;
- (x) various potential and actual conflicts of interest may arise from the overall activities of the Issuer, the Guarantor and/or any of their subsidiaries and affiliates.

The Issuer, the Guarantor and any of their subsidiaries and affiliates are diversified financial institutions with relationships in countries around the world. These entities engage in a wide range of commercial and investment banking, brokerage, funds management, hedging transactions and investment and other activities for their own account or the account of others. In addition, the Issuer, the Guarantor and any of their subsidiaries and affiliates, in connection with their other business activities, may possess or acquire material information about the Underlying Stock. Such activities and information may involve or otherwise affect issuers of the Underlying Stock in a manner that may cause consequences adverse to the Certificate Holders or otherwise create conflicts of interests in connection with the issue of Certificates by the Issuer. Such actions and conflicts may include, without limitation, the exercise of voting power, the purchase and sale of securities, financial advisory relationships and exercise of creditor rights. The Issuer, the Guarantor and any of their subsidiaries and affiliates have no obligation to disclose such information about the Underlying Stock or such activities. The Issuer, the Guarantor and any of their subsidiaries and affiliates and their officers and directors may engage in any such activities without regard to the issue of Certificates by the Issuer or the effect that such activities may directly or indirectly have on any Certificate;

- (y) legal considerations which may restrict the possibility of certain investments:

Some investors' investment activities are subject to specific laws and regulations or laws and regulations currently being considered by various authorities. All potential investors must consult their own legal advisers to check whether and to what extent (i) they can legally purchase the Certificates (ii) the Certificates can be used as collateral security for various forms of borrowing (iii) if other restrictions apply to the purchase of Certificates or their use as collateral security. Financial institutions must consult their legal advisers or regulators to determine the appropriate treatment of the Certificates under any applicable risk-based capital or similar rules;

- (z) the credit rating of the Guarantor is an assessment of its ability to pay obligations, including those on the Certificates. Consequently, actual or anticipated declines in the credit rating of the Guarantor may affect the market value of the Certificates;
- (aa) the Certificates are linked to the Underlying Stock and subject to the risk that the price of the Underlying Stock may rise. The following is a list of some of the significant risks associated with the Underlying Stock:
  - Historical performance of the Underlying Stock does not give an indication of future performance of the Underlying Stock. It is impossible to predict whether the price of the Underlying Stock will fall or rise over the term of the Certificates; and
  - The price of the Underlying Stock may be affected by the economic, financial and political events in one or more jurisdictions, including the stock exchange(s) or quotation system(s) on which the Underlying Stock may be traded;
- (bb) the value of the Certificates depends on the Leverage Inverse Strategy performance built in the Certificate. The Calculation Agent will make the Leverage Inverse Strategy last closing level and a calculation tool available to the investors on a website;
- (cc) two or more risk factors may simultaneously have an effect on the value of a Certificate such that the effect of any individual risk factor may not be predicted. No assurance can be given as to the effect any combination of risk factors may have on the value of a Certificate;
- (dd) as the Certificates are represented by a global warrant certificate which will be deposited with The Central Depository (Pte) Limited (“**CDP**”):
  - (i) investors should note that no definitive certificate will be issued in relation to the Certificates;
  - (ii) there will be no register of Certificate Holders and each person who is for the time being shown in the records maintained by CDP as entitled to a particular number of Certificates by way of interest (to the extent of such number) in the global warrant certificate in respect of those Certificates represented thereby shall be treated as the holder of such number of Certificates;
  - (iii) investors will need to rely on any statements received from their brokers/custodians as evidence of their interest in the Certificates; and
  - (iv) notices to such Certificate Holders will be published on the web-site of the SGX-ST. Investors will need to check the web-site of the SGX-ST regularly and/or rely on their brokers/custodians to obtain such notices;
- (ee) U.S. withholding tax

The Issuer has determined that these Certificates are not “delta-one” instruments for the purposes of IRS Notice 2024-44 and are therefore not Specified Warrants for purposes of the Section 871(m) Regulations as discussed in the accompanying Base Listing Document under “TAXATION—TAXATION IN THE UNITED STATES OF AMERICA—Section 871(m) of the U.S. Internal Revenue Code of 1986”. Investors are advised that the Issuer’s determination is binding on all Non-U.S. Holders of the Certificates, but it is not binding on the United States Internal Revenue Service (the “IRS”) and the IRS may therefore disagree with the Issuer’s determination. In addition, if any Holder of Certificates also holds an offsetting position in the Underlying Stock that when combined with the Certificates provide “delta-one” exposure to the Underlying Stock, such Holder may have liability under Section 871(m). Certificate Holders should consult with their own tax advisers regarding the potential application of

Section 871(m) to the Certificates, including with respect to any other positions the Certificate Holder holds in the Underlying Stock.

**Potential investors are advised to consider the discussion in the accompanying Base Listing Document under “TAXATION—TAXATION IN THE UNITED STATES OF AMERICA—Section 871(m) of the U.S. Internal Revenue Code of 1986” and “TAXATION—TAXATION IN THE UNITED STATES OF AMERICA—Foreign Account Tax Compliance Act Withholding” and to consult their own tax adviser on the tax impacts of the acquisition, holding, disposal and redemption of the Certificates. The requirement to pay such taxes may reduce the effective yield on the Certificates and may also have an adverse impact on their value;**

- (ff) risks arising from the taxation of securities

Tax law and practice are subject to change, possibly with retroactive effect. This may have a negative impact on the value of the Certificates and/or the market price of the Certificates. For example, the specific tax assessment of the Certificates may change compared to its assessment at the time of purchase of the Certificates. This is especially true with regard to derivative Certificates and their tax treatment. Holders of Certificates therefore bear the risk that they may misjudge the taxation of the income from the purchase of the Certificates. However, there is also the possibility that the taxation of the income from the purchase of the Certificates will change to the detriment of the holders.

Holders of the Certificates bear the risk that the specific tax assessment of the Certificates will change. This can have a negative impact on the value of the Certificates and the investor may incur a corresponding loss. The stronger this negative effect, the greater the loss may be; and

- (gg) risk factors relating to the BRRD

*French and Luxembourg law and European legislation regarding the resolution of financial institutions may require the write-down or conversion to equity of the Certificates or other resolution measures if the Issuer or the Guarantor is deemed to meet the conditions for resolution.*

Directive 2014/59/EU of the European Parliament and of the Council of the European Union dated 15 May 2014 establishing a framework for the recovery and resolution of credit institutions and investment firms (the “BRRD”) entered into force on 2 July 2014. The BRRD, as amended, has been implemented into Luxembourg law by, among others, the Luxembourg act dated 18 December 2015 on the failure of credit institutions and certain investment firms, as amended (the “BRR Act 2015”). Under the BRR Act 2015, the competent authority is the Luxembourg financial sector supervisory authority (*Commission de surveillance du secteur financier*, the CSSF) and the resolution authority is the CSSF acting as resolution council (*conseil de résolution*).

In April 2023, the EU Commission released a proposal to amend, in particular, the BRRD according to which senior preferred debt instruments would no longer rank pari passu with any non covered non preferred deposits of the Issuer; instead, senior preferred debt instruments would rank junior in right of payment to the claims of all depositors.

This proposal has been discussed and amended by the European Parliament and the European Council. Council and Parliament reached agreement on 6 December 2023 to make the proposal final and applicable. If the final agreement was adopted as is, there may be an increased risk of an investor in senior preferred debt instruments losing all or some of their

investment in the context of the exercise of the Bail-in Power. The final agreement may also lead to a rating downgrade for senior preferred debt instruments.

Moreover, Regulation (EU) No. 806/2014 of the European Parliament and of the Council of 15 July 2014 establishing uniform rules and a uniform procedure for the resolution of credit institutions and certain investment firms in the framework of a Single Resolution Mechanism (“**SRM**”) and a Single Resolution Framework (the “**SRM Regulation**”) has established a centralised power of resolution entrusted to a Single Resolution Board (the “**SRB**”) in cooperation with the national resolution authorities.

Since November 2014, the European Central Bank (“**ECB**”) has taken over the prudential supervision of significant credit institutions in the member states of the Eurozone under the Single Supervisory Mechanism (“**SSM**”). In addition, the SRM has been put in place to ensure that the resolution of credit institutions and certain investment firms across the Eurozone is harmonised. As mentioned above, the SRM is managed by the SRB. Under Article 5(1) of the SRM Regulation, the SRM has been granted those responsibilities and powers granted to the EU Member States’ resolution authorities under the BRRD for those credit institutions and certain investment firms subject to direct supervision by the ECB. The ability of the SRB to exercise these powers came into force at the beginning of 2016.

Societe Generale has been, and continues to be, designated as a significant supervised entity for the purposes of Article 49(1) of Regulation (EU) No 468/2014 of the ECB of 16 April 2014 establishing the framework for cooperation within the SSM between the ECB and national competent authorities and with national designated authorities (the “**SSM Regulation**”) and is consequently subject to the direct supervision of the ECB in the context of the SSM. This means that Societe Generale and SG Issuer (being covered by the consolidated prudential supervision of Societe Generale) are also subject to the SRM which came into force in 2015. The SRM Regulation mirrors the BRRD and, to a large part, refers to the BRRD so that the SRB is able to apply the same powers that would otherwise be available to the relevant national resolution authority.

The stated aim of the BRRD and the SRM Regulation is to provide for the establishment of an EU-wide framework for the recovery and resolution of credit institutions and certain investment firms. The regime provided for by the BRRD is, among other things, stated to be needed to provide the resolution authority designated by each EU Member State (the “**Resolution Authority**”) with a credible set of tools to intervene sufficiently early and quickly in an unsound or failing institution so as to ensure the continuity of the institution’s critical financial and economic functions while minimising the impact of an institution’s failure on the economy and financial system (including taxpayers’ exposure to losses).

In accordance with the provisions of the SRM Regulation, when applicable, the SRB, has replaced the national resolution authorities designated under the BRRD with respect to all aspects relating to the decision-making process and the national resolution authorities designated under the BRRD continue to carry out activities relating to the implementation of resolution schemes adopted by the SRB. The provisions relating to the cooperation between the SRB and the national resolution authorities for the preparation of the institutions’ resolution plans have applied since 1 January 2015 and the SRM has been fully operational since 1 January 2016.

The SRB is the Resolution Authority for the Issuer and the Guarantor.

The powers provided to the Resolution Authority in the BRRD and the SRM Regulation include write-down/conversion powers to ensure that capital instruments (including

subordinated debt instruments) and eligible liabilities (including senior debt instruments if junior instruments prove insufficient to absorb all losses) absorb losses of the issuing institution that is subject to resolution in accordance with a set order of priority (the “**Bail-in Power**”). The conditions for resolution under the SRM Regulation are deemed to be met when: (i) the Resolution Authority determines that the institution is failing or is likely to fail, (ii) there is no reasonable prospect that any measure other than a resolution measure would prevent the failure within a reasonable timeframe, and (iii) a resolution measure is necessary for the achievement of the resolution objectives (in particular, ensuring the continuity of critical functions, avoiding a significant adverse effect on the financial system, protecting public funds by minimizing reliance on extraordinary public financial support, and protecting client funds and assets) and winding up of the institution under normal insolvency proceedings would not meet those resolution objectives to the same extent.

The Resolution Authority could also, independently of a resolution measure or in combination with a resolution measure, fully or partially write-down or convert capital instruments (including subordinated debt instruments) into equity when it determines that the institution or its group will no longer be viable unless such write-down or conversion power is exercised or when the institution requires extraordinary public financial support (except when extraordinary public financial support is provided in Article 10 of the SRM Regulation). The terms and conditions of the Certificates contain provisions giving effect to the Bail-in Power in the context of resolution and write-down or conversion of capital instruments at the point of non-viability.

The Bail-in Power could result in the full (i.e., to zero) or partial write-down or conversion of the Certificates into ordinary shares or other instruments of ownership, or the variation of the terms of the Certificates (for example, the maturity and/or interest payable may be altered and/or a temporary suspension of payments may be ordered). Extraordinary public financial support should only be used as a last resort after having assessed and applied, to the maximum extent practicable, the resolution measures. No support will be available until a minimum amount of contribution to loss absorption and recapitalization of 8% of total liabilities including own funds has been made by shareholders, holders of capital instruments and other eligible liabilities through write-down, conversion or otherwise.

In addition to the Bail-in Power, the BRRD and the SRM Regulation provide the Resolution Authority with broader powers to implement other resolution measures with respect to institutions that meet the conditions for resolution, which may include (without limitation) the sale of the institution’s business, the creation of a bridge institution, the separation of assets, the replacement or substitution of the institution as obligor in respect of debt instruments, modifications to the terms of debt instruments (including altering the maturity and/or the amount of interest payable and/or imposing a temporary suspension on payments), removing management, appointing an interim administrator, and discontinuing the listing and admission to trading of financial instruments.

The BRRD, the BRR Act 2015 and the SRM Regulation however also state that, under exceptional circumstances, if the bail-in instrument is applied, the SRB, in cooperation with the CSSF, may completely or partially exclude certain liabilities from the application of the impairment or conversion powers under certain conditions.

Since 1 January 2016, EU credit institutions (such as Societe Generale) and certain investment firms have to meet, at all times, a minimum requirement for own funds and eligible liabilities (“**MREL**”) pursuant to Article 12 of the SRM Regulation. The MREL, which is expressed as a percentage of the total liabilities and own funds of the institution, aims at

preventing institutions from structuring their liabilities in a manner that impedes the effectiveness of the Bail-in Power in order to facilitate resolution.

The regime has evolved as a result of the changes adopted by the EU legislators. On 7 June 2019, as part of the contemplated amendments to the so-called “EU Banking Package”, the following legislative texts were published in the Official Journal of the EU 14 May 2019:

- Directive (EU) 2019/879 of the European Parliament and of the Council of 20 May 2019 amending the BRRD as regards the loss-absorbing and recapitalisation capacity of credit institutions and investment firms (“**BRRD II**”); and
- Regulation (EU) 2019/877 of the European Parliament and of the Council of 20 May 2019 amending the SRM Regulation as regards the loss-absorbing and recapitalisation capacity (“**TLAC**”) of credit institutions and investment firms (the “**SRM II Regulation**” and, together with the BRRD II, the “**EU Banking Package Reforms**”).

The EU Banking Package Reforms introduced, among other things, the TLAC standard as implemented by the Financial Stability Board's TLAC Term Sheet (“**FSB TLAC Term Sheet**”), by adapting, among other things, the existing regime relating to the specific MREL with aim of reducing risks in the banking sector and further reinforcing institutions’ ability to withstand potential shocks will strengthen the banking union and reduce risks in the financial system.

The TLAC has been implemented in accordance with the FSB TLAC Term Sheet, which impose a level of “Minimum TLAC” that will be determined individually for each global systemically important bank (“**G-SIB**”), such as Societe Generale, in an amount at least equal to (i) 16%, plus applicable buffers, of risk weight assets since January 1, 2022 and 18%, plus applicable buffers, thereafter and (ii) 6% of the Basel III leverage ratio denominator since January 1, 2022 and 6.75% thereafter (each of which could be extended by additional firm-specific requirements).

Regulation (EU) No 575/2013 of the European Parliament and of the Council of 26 June 2013 on prudential requirements for credit institutions and investment firms (the “**CRR**”), as amended notably by Regulation (EU) 2019/876 as regards the leverage ratio, the net stable funding ratio, requirements for own funds and eligible liabilities, counterparty credit risk, market risk, exposures to central counterparties, exposures to collective investment undertakings, large exposures, reporting and disclosure requirements (the “**CRR II**”) and Regulation (EU) 2022/2036 of the European Parliament and of the Council of 19 October 2022 amending Regulation (EU) No 575/2013 and Directive 2014/59/EU as regards the prudential treatment of global systemically important institutions with a multiple-point-of-entry resolution strategy and methods for the indirect subscription of instruments eligible for meeting the minimum requirement for own funds and eligible liabilities, EU G-SIBs, such as Societe Generale, have to comply with TLAC requirements, on top of the MREL requirements, since the entry into force of the CRR II. As such, G-SIBs, such as Societe Generale have to comply with both the TLAC and MREL requirements.

Consequently, the criteria for MREL-eligible liabilities have been closely aligned with the criteria for TLAC-eligible liabilities under CRR II, but subject to the complementary adjustments and requirements introduced in the BRRD II. In particular, certain debt instruments with an embedded derivative component, such as certain structured notes, will be eligible, subject to certain conditions, to meet MREL requirements to the extent that they have a fixed or increasing principal amount repayable at maturity that is known in advance

with only an additional return permitted to be linked to that derivative component and dependent on the performance of a reference asset.

The level of capital and eligible liabilities required under MREL is set by the SRB for Societe Generale on an individual and/or consolidated basis based on certain criteria including systemic importance and may also be set for SG Issuer. Eligible liabilities may be senior or subordinated, provided, among other requirements, that they have a remaining term of at least one year and, they recognise contractually the Resolution Authority's power to write down or convert the liabilities governed by non-EU law.

The scope of liabilities used to meet MREL includes, in principle, all liabilities resulting from claims arising from ordinary unsecured creditors (non-subordinated liabilities) unless they do not meet specific eligibility criteria set out in BRRD, as amended notably by BRRD II. To enhance the resolvability of institutions and entities through an effective use of the bail-in tool, the SRB should be able to require that MREL be met with own funds and other subordinated liabilities, in particular where there are clear indications that bailed-in creditors are likely to bear losses in resolution that would exceed the losses that they would incur under normal insolvency proceedings. Moreover the SRB should assess the need to require institutions and entities to meet the MREL with own funds and other subordinated liabilities where the amount of liabilities excluded from the application of the bail-in tool reaches a certain threshold within a class of liabilities that includes MREL-eligible liabilities. Any subordination of debt instruments requested by the SRB for the MREL shall be without prejudice to the possibility to partly meet the TLAC requirements with non-subordinated debt instruments in accordance with the CRR, as amended by the CRR II, as permitted by the TLAC standard. Specific requirements apply to resolution groups with assets above EUR 100 billion (top-tier banks, including Societe Generale).



## TERMS AND CONDITIONS OF THE CERTIFICATES

*The following are the terms and conditions of the Certificates and should be read in conjunction with, and are qualified by reference to, the other information set out in this document and the Base Listing Document.*

The Conditions are set out in the section headed “Terms and Conditions of the European Style Cash Settled Long/Short Certificates on Single Equities” in the Base Listing Document. For the purposes of the Conditions, the following terms shall have the following meanings:

Certificates:	2,700,000 European Style Cash Settled Short Certificates relating to the Class A Common Stock of Meta Platforms, Inc. (the “ <b>Underlying Stock</b> ”)
ISIN:	LU2517562018
Company:	Meta Platforms, Inc. (RIC: META.OQ)
Underlying Price and Source:	The closing price of the Underlying Stock on 7 October 2024 (Reuters)
Calculation Agent:	Société Générale
Strike Level:	Zero
Daily Leverage:	-3x (within the Leverage Inverse Strategy as described below)
Notional Amount per Certificate:	SGD 4.00
Management Fee (p.a.) <sup>3</sup> :	0.40%
Gap Premium (p.a.) <sup>4</sup> :	12.50%, is a hedging cost against extreme market movements beyond US market close on the same trading day.
Stock Borrowing Cost <sup>5</sup> :	The annualised costs for borrowing stocks in order to take an inverse exposure on the Underlying Stock.
Rebalancing Cost <sup>5</sup> :	The transaction costs (if applicable), computed as a function of leverage and daily inverse performance of the Underlying Stock.
Launch Date:	1 October 2024
Closing Date:	7 October 2024
Expected Listing Date:	8 October 2024

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<sup>3</sup> Please note that the Management Fee is calculated on a 360-day basis and may be increased up to a maximum of 3% p.a. on giving one month’s notice to investors. Any increase in the Management Fee will be announced on the SGXNET. Please refer to “Fees and Charges” below for further details of the fees and charges payable and the maximum of such fees as well as other ongoing expenses that may be borne by the Certificates.

<sup>4</sup> Please note that the Gap Premium is calculated on a 360-day basis.

<sup>5</sup> These costs are embedded within the Leverage Inverse Strategy. Please note that the Stock Borrowing Cost may be changed on giving 5 Business Days’ notice to investors. Any change in the Stock Borrowing Cost will be announced on the SGXNET.

Last Trading Date: The date falling 5 Business Days immediately preceding the Expiry Date, currently being 29 September 2026

Expiry Date: The Business Day immediately following the Valuation Date, currently being 6 October 2026

Board Lot: 100 Certificates

Valuation Date: 5 October 2026 or if such day is not an Underlying Stock Business Day, the immediately following Underlying Stock Business Day and subject to the Market Disruption Event provisions.

Settlement Date: No later than five Settlement Business Days following the Expiry Date, currently being 13 October 2026.

Exercise: The Certificates may only be exercised on the Expiry Date or if the Expiry Date is not a Business Day, the immediately preceding Business Day, in a Board Lot or integral multiples thereof. Certificate Holders shall not be required to deliver an exercise notice. Exercise of Certificates shall be determined by whether the Cash Settlement Amount (less any Exercise Expenses) is positive. If the Cash Settlement Amount (less any Exercise Expenses) is positive, all Certificates shall be deemed to have been automatically exercised at 10:00 a.m. (Singapore time) on the Expiry Date or if the Expiry Date is not a Business Day, the immediately preceding Business Day. The Cash Settlement Amount less the Exercise Expenses in respect of the Certificates shall be paid in the manner set out in Condition 4(c) of the Conditions. In the event the Cash Settlement Amount (less any Exercise Expenses) is zero, all Certificates shall be deemed to have expired at 10:00 a.m. (Singapore time) on the Expiry Date or if the Expiry Date is not a Business Day, the immediately preceding Business Day, and Certificate Holders shall not be entitled to receive any payment from the Issuer in respect of the Certificates.

Cash Settlement Amount: In respect of each Certificate, shall be an amount payable in the Settlement Currency equal to:

Closing Level multiplied by the Notional Amount per Certificate

Please refer to the “Information relating to the European Style Cash Settled Short Certificates on Single Equities” section on pages 46 to 60 of this document for examples and illustrations of the calculation of the Cash Settlement Amount.

Hedging Fee Factor: In respect of each Certificate, shall be an amount calculated as: Product (for t from 2 to Valuation Date) of  $(1 - \text{Management Fee} \times (\text{ACT}(t-1;t) \div 360)) \times (1 - \text{Gap Premium}(t-1) \times (\text{ACT}(t-1;t) \div 360))$

Where:

“t” refers to “**Observation Date**” which means each Underlying Stock Business Day (subject to Market Disruption Event) from (and including) the Underlying Stock Business Day immediately preceding the Expected Listing Date to the Valuation Date; and

ACT (t-1;t) means the number of calendar days between the Underlying Stock Business Day immediately preceding the Observation Date (such Underlying Stock Business Day being noted “t-1”) (included) and the Observation Date “t” (excluded).

If the Issuer determines, in its sole discretion, that on any Observation Date a Market Disruption Event has occurred, then that Observation Date shall be postponed until the first succeeding Underlying Stock Business Day on which there is no Market Disruption Event, unless there is a Market Disruption Event on each of the five Underlying Stock Business Days immediately following the original date that, but for the Market Disruption Event, would have been an Observation Date. In that case, that fifth Underlying Stock Business Day shall be deemed to be the Observation Date notwithstanding the Market Disruption Event and the Issuer shall determine, its good faith estimate of the level of the Leverage Inverse Strategy and the value of the Certificate on that fifth Underlying Stock Business Day in accordance with the formula for and method of calculation last in effect prior to the occurrence of the first Market Disruption Event taking into account, inter alia, the exchange traded or quoted price of the Underlying Stock and the potential increased cost of hedging by the Issuer as a result of the occurrence of the Market Disruption Event.

Please refer to the “Information relating to the European Style Cash Settled Short Certificates on Single Equities” section on pages 46 to 60 of this document for examples and illustrations of the calculation of the Hedging Fee Factor.

Closing Level: In respect of each Certificate, shall be an amount payable in the Settlement Currency equal to:

$$\left( \frac{\text{Final Reference Level} \times \text{Final Exchange Rate}}{\text{Initial Reference Level} \times \text{Initial Exchange Rate}} - \text{Strike Level} \right) \times \text{Hedging Fee Factor}$$

Initial Reference Level: 1,000

Final Reference Level: The closing level of the Leverage Inverse Strategy (as described below) on the Valuation Date

The calculation of the closing level of the Leverage Inverse Strategy is set out in the “Specific Definitions relating to the Leverage Inverse Strategy” section on pages 22 to 26 below.

Initial Exchange Rate: 1.3036

Final Exchange Rate: The rate for the conversion of United States Dollar to Singapore Dollar as at 5:00pm (Singapore Time) on the Valuation Date as shown on Reuters, provided that if the Reuters service ceases to display such information, as determined by the Issuer by reference to such source(s) as the Issuer may reasonably determine to be appropriate at such a time.

Air Bag Mechanism: The “**Air Bag Mechanism**” refers to the mechanism built in the Leverage Inverse Strategy and which is designed to reduce the Leverage Inverse Strategy exposure to the Underlying Stock during extreme market conditions. If the Underlying Stock rises by 20% or more (“**Air Bag Trigger Price**”) during the trading day of the Relevant Stock Exchange for the Underlying Stock (which represents an approximately 60% loss after a 3 times inverse leverage), the Air Bag Mechanism is triggered and the Leverage Inverse Strategy is adjusted intra-day during the trading hours of the Relevant Stock Exchange for the Underlying Stock. The Air Bag Mechanism reduces the impact on the Leverage Inverse Strategy if the Underlying Stock rises further, but will also maintain a reduced exposure to the Underlying Stock in the event the Underlying Stock starts to fall after the Air Bag Mechanism is triggered, thereby reducing its ability to recoup losses.

The Leverage Inverse Strategy is floored at 0 and the Certificates cannot be valued below zero.

Please refer to the “Extraordinary Strategy Adjustment for Performance Reasons (“Air Bag Mechanism”)” section on pages 25 to 26 below and the “Description of Air Bag Mechanism” section on pages 52 to 53 of this document for further information of the Air Bag Mechanism.

Adjustments and Extraordinary Events: The Issuer has the right to make adjustments to the terms of the Certificates if certain events, including any capitalisation issue, rights issue, extraordinary distributions, merger, delisting, insolvency (as more specifically set out in the terms and conditions of the Certificates) occur in respect of the Underlying Stock. For the avoidance of doubt, no notice will be given if the Issuer determines that adjustments will not be made.

Underlying Stock Currency: United States Dollar (“**USD**”)

Settlement Currency: Singapore Dollar (“**SGD**”)

Exercise Expenses: Certificate Holders will be required to pay all charges which are incurred in respect of the exercise of the Certificates.

Relevant Stock Exchange for the Certificates: The Singapore Exchange Securities Trading Limited (“**SGX-ST**”)

Relevant Stock Exchange for the Underlying Stock: NASDAQ

Related Exchange: Each exchange or quotation system, or alternative trading system, where trading has a material effect (as determined by the Calculation Agent) on the overall market for the Underlying Stock when the Relevant Stock Exchange for the Underlying Stock is not open for trading

Underlying Stock Business Day, Business Day or Settlement Business Day: An “**Underlying Stock Business Day**” means a day on which NASDAQ is open for dealings in the United States during its normal trading hours and banks are open for business in the United States.

A “Business Day” or a “Settlement Business Day” is a day on which the SGX-ST is open for dealings in Singapore during its normal trading hours and banks are open for business in Singapore.

Warrant Agent: The Central Depository (Pte) Limited (“**CDP**”)

Clearing System: CDP

Fees and Charges: Normal transaction and brokerage fees shall apply to the trading of the Certificates on the SGX-ST. Investors should note that they may be required to pay stamp taxes or other documentary charges in accordance with the laws and practices of the country where the Certificates are transferred. Investors who are in any doubt as to their tax position should consult their own independent tax advisers. In addition, investors should be aware that tax regulations and their application by the relevant taxation authorities change from time to time. Accordingly, it is not possible to predict the precise tax treatment which will apply at any given time.

Investors holding position beyond market close of the SGX-ST would also be required to bear the Management Fee and Gap Premium, which are calculated daily and applied to the value of the Certificates, as well as certain costs embedded within the Leverage Inverse Strategy including the Stock Borrowing Cost and Rebalancing Cost. The Management Fee may be increased up to a maximum of 3% p.a. on giving one month’s notice to investors in accordance with the terms and conditions of the Certificates. Any increase in the Management Fee will be announced on the SGXNET. Due to the difference in trading hours of the SGX-ST and the Relevant Stock Exchange for the Underlying Stock, unless investors exit their position within the same SGX-ST trading day, they would bear such annualised costs.

Further Information: Please refer to the website at [dlc.socgen.com](http://dlc.socgen.com) for more information on the theoretical closing price of the Certificates on the previous trading day, the closing price of the Underlying Stock on the previous trading day, the Air Bag Trigger Price for each trading day and the Management Fee and Gap Premium.

## **Specific Definitions relating to the Leverage Inverse Strategy**

### **Description of the Leverage Inverse Strategy**

The Leverage Inverse Strategy is designed to track a 3 times daily leveraged inverse exposure to the Underlying Stock.

At the end of each trading day of the Underlying Stock, the exposure of the Leverage Inverse Strategy to the Underlying Stock is reset within the Leverage Inverse Strategy in order to retain a daily leverage of 3 times the inverse performance of the Underlying Stock (excluding costs) regardless of the performance of the Underlying Stock on the preceding day. This mechanism is referred to as the Daily Reset.

The Leverage Inverse Strategy incorporates an air bag mechanism which is designed to reduce exposure to the Underlying Stock during extreme market conditions, as further described below.

### **Leverage Inverse Strategy Formula**

**LSL<sub>t</sub>** means, for any Observation Date(t), the Leverage Inverse Strategy Closing Level as of such day (t).

Subject to the occurrence of an Intraday Restrike Event, the **Leverage Inverse Strategy Closing Level** as of such Observation Date(t) is calculated in accordance with the following formulae:

On Observation Date(1):

$$LSL_1 = 1000$$

On each subsequent Observation Date(t):

$$LSL_t = \text{Max}[LSL_{t-1} \times (1 + LR_{t-1,t} - FC_{t-1,t} - SB_{t-1,t} - RC_{t-1,t}), 0]$$

**LR<sub>t-1,t</sub>** means the Leveraged Return of the Underlying Stock between Observation Date(t-1) and Observation Date(t) closing prices, calculated as follows:

$$LR_{t-1,t} = \text{Leverage} \times \left( \frac{S_t}{S_{t-1} \times R_{\text{factor}_t}} - 1 \right)$$

**FC<sub>t-1,t</sub>** means, the Funding Cost between Observation Date(t-1) (included) and Observation Date(t) (excluded) calculated as follows:

$$FC_{t-1,t} = (\text{Leverage} - 1) \times \frac{\text{Rate}_{t-1} \times \text{ACT}(t-1, t)}{\text{DayCountBasisRate}}$$

**SB<sub>t-1,t</sub>** means the Stock Borrowing Cost between Observation Date(t-1) (included) and Observation Date(t) (excluded) calculated as follows:

$$SB_{t-1,t} = -\text{Leverage} \times \frac{\text{CB} \times \text{ACT}(t-1, t)}{\text{DayCountBasisRate}}$$

**CB** means the Cost of Borrowing applicable that is equal to 3.00%.

**RC<sub>t-1,t</sub>** means the Rebalancing Cost of the Leverage Inverse Strategy on Observation Date (t), calculated as follows:

$$RC_{t-1,t} = \text{Leverage} \times (\text{Leverage} - 1) \times \left( \left| \frac{S_t}{S_{t-1} \times Rfactor_t} - 1 \right| \right) \times TC$$

<b>TC</b>	means the Transaction Costs applicable (including brokerage fees and any other applicable taxes, levies and costs which may be levied on the stock transactions on the Relevant Stock Exchange for the Underlying Stock by the applicable regulatory authorities from time to time) that are currently equal to:  0.20%
<b>Leverage</b>	-3
<b>S<sub>t</sub></b>	means, in respect of each Observation Date(t), the Closing Price of the Underlying Stock as of such Observation Date(t), subject to the adjustments and provisions of the Conditions.
<b>Rate<sub>t</sub></b>	means, in respect of each Observation Date(t), the US SOFR Secured Overnight Financing Rate, as published on Bloomberg Screen SOFRRATE Index page or any successor page, being the rate as of such Observation Date (t), provided that if any of such rates is not available, then that rate shall be determined by reference to the latest available rate that was published on the relevant Bloomberg page.
<b>Rfactor<sub>t</sub></b>	means, in the event Observation Date (t) is an ex-dividend date of the Underlying Stock, an amount determined by the Calculation Agent, subject to the adjustments and provisions of the Conditions, according to the following formula:  $Rfactor_t = 1 - \frac{Div_t}{S_{t-1}}$ <p>where</p> <p><i>Div<sub>t</sub></i> is the dividend to be paid out in respect of the Underlying Stock and the relevant ex-dividend date which shall be considered gross of any applicable withholding taxes.</p>
<b>ACT(t-1,t)</b>	ACT (t-1;t) means the number of calendar days between the Underlying Stock Business Day immediately preceding the Observation Date (such Underlying Stock Business Day being noted “t-1”) (included) and the Observation Date “t” (excluded).
<b>DayCountBasis Rate</b>	365
<b>Benchmark Fallback</b>	upon the occurrence or likely occurrence, as determined by the Calculation Agent, of a Reference Rate Event, the Calculation Agent may make adjustments as it may determine appropriate to account for the relevant event or circumstance, including but not limited to using any alternative rates from such date, with or without retroactive effect as the Calculation Agent may in its sole and absolute discretion determine.
<b>Reference Rate Event</b>	means, in respect of the Reference Rate any of the following has occurred or will occur:  (i) a Reference Rate Cessation;  (ii) an Administrator/Benchmark Event; or

(iii) a Reference Rate is, with respect to over-the-counter derivatives transactions which reference such Reference Rate, the subject of any market-wide development formally agreed upon by the International Swaps and Derivative Association (ISDA) or the Asia Securities Industry & Financial Markets Association (ASIFMA), pursuant to which such Reference Rate is, on a specified date, replaced with a risk-free rate (or near risk-free rate) established in order to comply with the recommendations in the Financial Stability Board's paper titled "Reforming Major Interest Rate Benchmarks" dated 22 July 2014.

**Reference Rate  
Cessation**

means, for a Reference Rate, the occurrence of one or more of the following events:

(i) a public statement or publication of information by or on behalf of the administrator of the Reference Rate announcing that it has ceased or will cease to provide the Reference Rate permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the Reference Rate;

(ii) a public statement or publication of information by the regulatory supervisor for the administrator of the Reference Rate, the central bank for the currency of the Reference Rate, an insolvency official with jurisdiction over the administrator for the Reference Rate, a resolution authority with jurisdiction over the administrator for the Reference Rate or a court or an entity with similar insolvency or resolution authority over the administrator for the Reference Rate, which states that the administrator of the Reference Rate has ceased or will cease to provide the Reference Rate permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the Reference Rate; or

(iii) in respect of a Reference Rate, a public statement or publication of information by the regulatory supervisor for the administrator of such Reference Rate announcing that (a) the regulatory supervisor has determined that such Reference Rate is no longer, or as of a specified future date will no longer be, representative of the underlying market and economic reality that such Reference Rate is intended to measure and that representativeness will not be restored and (b) it is being made in the awareness that the statement or publication will engage certain contractual triggers for fallbacks activated by pre-cessation announcements by such supervisor (howsoever described) in contracts;

**Administrator/  
Benchmark  
Event**

means, for a Reference Rate, any authorisation, registration, recognition, endorsement, equivalence decision, approval or inclusion in any official register in respect of the Reference Rate or the administrator or sponsor of the Benchmark has not been, or will not be, obtained or has been, or will be, rejected, refused, suspended or withdrawn by the relevant competent authority or other relevant official body, in each case with the effect that either the Issuer, the Calculation Agent or any other entity is not, or will not be, permitted under any applicable law or regulation to use the Reference Rate to perform its or their respective obligations under the Certificates.

**Reference  
Rate(s)**

means the rate(s) used in the Leverage Inverse Strategy Formula, for example SORA, SOFR and US Federal Funds Effective Rate.



**Extraordinary Strategy Adjustment for Performance Reasons (“Air Bag Mechanism”)**

**Extraordinary Strategy Adjustment for Performance Reasons** If the Calculation Agent determines that an Intraday Restrike Event has occurred during an Observation Date(t) (the **Intraday Restrike Date**, noted hereafter **IRD**), an adjustment (an **Extraordinary Strategy Adjustment for Performance Reasons**) shall take place during such Observation Date(t) in accordance with the following provisions.

(1) Provided the last Intraday Restrike Observation Period as of such Intraday Restrike Date does not end on the TimeReferenceClosing, the Leverage Inverse Strategy Closing Level on the Intraday Restrike Date ( $LSL_{IRD}$ ) should be computed as follows:

$$LSL_{IRD} = \text{Max}[ILSL_{IR(n)} \times (1 + ILR_{IR(n),IR(C)} - IRC_{IR(n),IR(C)}), 0]$$

(2) If the last Intraday Restrike Event Observation Period on the relevant Intraday Restrike Date ends on the TimeReferenceClosing:

$$LSL_{IRD} = \text{Max}[ILSL_{IR(n)}, 0]$$

**$ILSL_{IR(k)}$**  means, in respect of  $IR(k)$ , the Intraday Leverage Inverse Strategy Level in accordance with the following provisions:

(1) for  $k = 1$ :

$$ILSL_{IR(1)} = \text{Max}[LSL_{IRD-1} \times (1 + ILR_{IR(0),IR(1)} - FC_{IRD-1,IRD} - SB_{IRD-1,IRD} - IRC_{IR(0),IR(1)}), 0]$$

(2) for  $k > 1$ :

$$ILSL_{IR(k)} = \text{Max}[ILSL_{IR(k-1)} \times (1 + ILR_{IR(k-1),IR(k)} - IRC_{IR(k-1),IR(k)}), 0]$$

**$ILR_{IR(k-1),IR(k)}$**  means the Intraday Leveraged Return between  $IR(k-1)$  and  $IR(k)$ , calculated as follows:

$$ILR_{IR(k-1),IR(k)} = \text{Leverage} \times \left( \frac{IS_{IR(k)}}{IS_{IR(k-1)}} - 1 \right)$$

**$IRC_{IR(k-1),IR(k)}$**  means the Intraday Rebalancing Cost of the Leverage Inverse Strategy in respect of  $IR(k)$  on a given Intraday Restrike Date, calculated as follows:

$$IRC_{IR(k-1),IR(k)} = \text{Leverage} \times (\text{Leverage} - 1) \times \left( \left| \frac{IS_{IR(k)}}{IS_{IR(k-1)}} - 1 \right| \right) \times TC$$

**$IS_{IR(k)}$**  means the Underlying Stock Price in respect of  $IR(k)$  computed as follows:

(1) for  $k=0$

$$IS_{IR(0)} = S_{IRD-1} \times Rfactor_{IRD}$$

(2) for  $k=1$  to  $n$

means in respect of  $IR(k)$ , the highest price of the Underlying Stock during the respective Intraday Restrike Observation Period

(3) with respect to  $IR(C)$

$$IS_{IR(C)} = S_{IRD}$$

In each case, subject to the adjustments and provisions of the Conditions.

<b>IR(k)</b>	<p>For k=0, means the scheduled close for the Relevant Stock Exchange for the Underlying Stock (or any successor thereto) on the Observation Date immediately preceding the relevant Intraday Restrike Date;</p> <p>For k=1 to n, means the k<sup>th</sup> Intraday Restrike Event on the relevant Intraday Restrike Date.</p>
<b>IR(C)</b>	means the scheduled close for the Relevant Stock Exchange for the Underlying Stock (or any successor thereto) on the relevant Intraday Restrike Date.
<b>n</b>	means the number of Intraday Restrike Events that occurred on the relevant Intraday Restrike Date.
<b>Intraday Restrike Event</b>	<p>means in respect of an Observation Date(t):</p> <p>(1) provided no Intraday Restrike Event has previously occurred on such Observation Date (t), the increase at any Calculation Time of the Underlying Stock price by 20% or more compared with the relevant Underlying Stock Price <math>IS_{IR(0)}</math> as of such Calculation Time.</p> <p>(2) if k Intraday Restrike Events have occurred on the relevant Intraday Restrike Date, the increase at any Calculation Time of the Underlying Stock price by 20% or more compared with the relevant Underlying Stock Price <math>IS_{IR(k)}</math> as of such Calculation Time.</p>
<b>Calculation Time</b>	means any time between the TimeReferenceOpening and the TimeReferenceClosing, provided that the relevant data is available to enable the Calculation Agent to determine the Leverage Inverse Strategy Level.
<b>TimeReferenceOpening</b>	means the scheduled opening time for the Relevant Stock Exchange for the Underlying Stock (or any successor thereto).
<b>TimeReferenceClosing</b>	means the scheduled closing time for the Relevant Stock Exchange for the Underlying Stock (or any successor thereto).
<b>Intraday Restrike Event Observation Period</b>	<p>means in respect of an Intraday Restrike Event, the period starting on and excluding the Intraday Restrike Event Time and finishing on and including the sooner between (1) the time falling 15 minutes of continuous trading after the Intraday Restrike Event Time and (2) the TimeReferenceClosing.</p> <p>Where, during such period, the Calculation Agent determines that (1) the trading in the Underlying Stock is disrupted or subject to suspension or limitation or (2) the Relevant Stock Exchange for the Underlying Stock is not open for continuous trading, the Intraday Restrike Event Observation Period will be extended to the extent necessary until (1) the trading in the Underlying Stock is no longer disrupted, suspended or limited and (2) the Relevant Stock Exchange for the Underlying Stock is open for continuous trading.</p>
<b>Intraday Restrike Event Time</b>	means in respect of an Intraday Restrike Event, the Calculation Time on which such event occurs.

The Conditions set out in the section headed “Terms and Conditions of the European Style Cash Settled Long/Short Certificates on Single Equities” in the Base Listing Document are set out below. This section is qualified in its entirety by reference to the detailed information appearing elsewhere in this document which shall, to the extent so specified or to the extent inconsistent with the relevant Conditions set out below, replace or modify the relevant Conditions for the purpose of the Certificates.

## TERMS AND CONDITIONS OF

### THE EUROPEAN STYLE CASH SETTLED LONG/SHORT CERTIFICATES ON SINGLE EQUITIES

#### 1. Form, Status and Guarantee, Transfer and Title

- (a) *Form.* The Certificates (which expression shall, unless the context otherwise requires, include any further certificates issued pursuant to Condition 11) are issued subject to and with the benefit of: -
- (i) a master instrument by way of deed poll (the “**Master Instrument**”) dated 14 June 2024, made by SG Issuer (the “**Issuer**”) and Société Générale (the “**Guarantor**”); and
  - (ii) a warrant agent agreement (the “**Master Warrant Agent Agreement**” or “**Warrant Agent Agreement**”) dated any time before or on the Closing Date, made between the Issuer and the Warrant Agent for the Certificates.

Copies of the Master Instrument and the Master Warrant Agent Agreement or Warrant Agent Agreement are available for inspection at the specified office of the Warrant Agent.

The holders of the Certificates (the “**Certificate Holders**”) are entitled to the benefit of, are bound by and are deemed to have notice of all the provisions of the Master Instrument and the Master Warrant Agent Agreement or Warrant Agent Agreement.

- (b) *Status and Guarantee.* The Certificates constitute direct, general and unsecured obligations of the Issuer and rank, and will rank, equally among themselves and *pari passu* with all other present and future unsecured and unsubordinated obligations of the Issuer (save for statutorily preferred exceptions). The Certificates provide for cash settlement on exercise. The Certificates do not entitle Certificate Holders to the delivery of any Underlying Stock, are not secured by the Underlying Stock and do not entitle Certificate Holders to any interest in any Underlying Stock.

The due and punctual payment of any amounts due by the Issuer in respect of the Certificates issued by the Issuer is unconditionally and irrevocably guaranteed by the Guarantor as provided in the Guarantee (each such amount payable under the Guarantee, a “**Guarantee Obligation**”).

The Guarantee Obligations will constitute direct, unconditional, unsecured and unsubordinated obligations of the Guarantor ranking as senior preferred obligations as provided for in Article L. 613-30-3 I 3° of the French Code *Monétaire et Financier* (the “**Code**”).

Such Guarantee Obligations rank and will rank equally and rateably without any preference or priority among themselves and:

- (i) *pari passu* with all other direct, unconditional, unsecured and unsubordinated obligations of the Guarantor outstanding as of the date of the entry into force of the law no. 2016-1691 (the “**Law**”) on 11 December 2016;
- (ii) *pari passu* with all other present or future direct, unconditional, unsecured and senior preferred obligations (as provided for in Article L. 613-30-3 I 3° of the Code) of the Guarantor issued after the date of the entry into force of the Law on 11 December 2016;
- (iii) junior to all present or future claims of the Guarantor benefiting from the statutorily preferred exceptions; and
- (iv) senior to all present and future senior non-preferred obligations (as provided for in Article L.613-30-3 I 4° of the Code) of the Guarantor.

In the event of the failure of the Issuer to promptly perform its obligations to any Certificate Holder under the terms of the Certificates, such Certificate Holder may, but is not obliged to, give written notice to the Guarantor at Société Générale, Tour Société Générale, 75886 Paris Cedex 18, France marked for the attention of SEGL/JUR/OMF - Market Transactions & Financing.

- (c) **Transfer.** The Certificates are represented by a global warrant certificate (“**Global Warrant**”) which will be deposited with The Central Depository (Pte) Limited (“**CDP**”). Certificates in definitive form will not be issued. Transfers of Certificates may be effected only in Board Lots or integral multiples thereof. All transactions in (including transfers of) Certificates, in the open market or otherwise, must be effected through a securities account with CDP. Title will pass upon registration of the transfer in the records maintained by CDP.
- (d) **Title.** Each person who is for the time being shown in the records maintained by CDP as entitled to a particular number of Certificates shall be treated by the Issuer, the Guarantor and the Warrant Agent as the holder and absolute owner of such number of Certificates, notwithstanding any notice to the contrary. The expression “**Certificate Holder**” shall be construed accordingly.
- (e) **Bail-In.** By the acquisition of Certificates, each Certificate Holder (which, for the purposes of this Condition, includes any current or future holder of a beneficial interest in the Certificates) acknowledges, accepts, consents and agrees:
  - (i) to be bound by the effect of the exercise of the Bail-In Power (as defined below) by the Relevant Resolution Authority (as defined below) on the Issuer’s liabilities under the Certificates, which may include and result in any of the following, or some combination thereof:
    - (A) the reduction of all, or a portion, of the Amounts Due (as defined below), on a permanent basis;
    - (B) the conversion of all, or a portion, of the Amounts Due into shares, other securities or other obligations of the Issuer or the Guarantor or another person (and the issue to the Certificate Holder of such shares, securities or obligations), including by means of an amendment, modification or variation of the Conditions of the Certificates, in which case the Certificate Holder agrees to accept in lieu of its rights under the Certificates any such shares, other

securities or other obligations of the Issuer or the Guarantor or another person;

- (C) the cancellation of the Certificates; and/or
- (D) the amendment or alteration of the expiration of the Certificates or amendment of the amounts payable on the Certificates, or the date on which the amounts become payable, including by suspending payment for a temporary period; and

that terms of the Certificates are subject to, and may be varied, if necessary, to give effect to the exercise of the Bail-In Power by the Relevant Resolution Authority or the regulator,

(the “**Statutory Bail-In**”);

- (ii) if the Relevant Resolution Authority exercises its Bail-In Power on liabilities of the Guarantor, pursuant to Article L.613-30-3-I-3 of the French Monetary and Financial Code (the “**Code**”):

- (A) ranking:
  - (1) junior to liabilities of the Guarantor benefitting from statutorily preferred exceptions pursuant to Article L.613-30-3-I 1° and 2 of the Code;
  - (2) *pari passu* with liabilities of the Guarantor as defined in Article L.613-30-3-I-3 of the Code; and
  - (3) senior to liabilities of the Guarantor as defined in Article L.613-30-3-I-4 of the Code; and
- (B) which are not *titres non structurés* as defined under Article R.613-28 of the Code, and
- (C) which are not or are no longer eligible to be taken into account for the purposes of the MREL (as defined below) ratio of the Guarantor

and such exercise of the Bail-In Power results in the write-down or cancellation of all, or a portion of, the principal amount of, or the outstanding amount payable in respect of, and/or interest on, such liabilities, and/or the conversion of all, or a portion, of the principal amount of, or the outstanding amount payable in respect of, or interest on, such liabilities into shares or other securities or other obligations of the Guarantor or another person, including by means of variation to their terms and conditions in order to give effect to such exercise of Bail-In Power, then the Issuer’s obligations under the Certificates will be limited to (i) payment of the amount as reduced or cancelled that would be recoverable by the Certificate Holders and/or (ii) the delivery or the payment of value of the shares or other securities or other obligations of the Guarantor or another person that would be paid or delivered to the Certificate Holders as if, in either case, the Certificates had been directly issued by the Guarantor itself and any Amount Due under the Certificates had accordingly been directly subject to the exercise of the Bail-In Power (the “**Contractual Bail-in**”).

No repayment or payment of the Amounts Due will become due and payable or be paid after the exercise of the Statutory Bail-In with respect to the Issuer or the Guarantor unless, at the time such repayment or payment, respectively, is scheduled to become due, such repayment or payment would be permitted to be made by the Issuer or the Guarantor under the applicable laws and regulations in effect in France or Luxembourg and the European Union applicable to the Issuer or the Guarantor or other members of its group.

No repayment or payment of the Amounts Due will become due and payable or be paid under the Certificates issued by SG Issuer after implementation of the Contractual Bail-in.

Upon the exercise of the Statutory Bail-in or upon implementation of the Contractual Bail-in with respect to the Certificates, the Issuer or the Guarantor will provide a written notice to the Certificate Holders in accordance with Condition 9 as soon as practicable regarding such exercise of the Statutory Bail-in or implementation of the Contractual Bail-in. Any delay or failure by the Issuer or the Guarantor to give notice shall not affect the validity and enforceability of the Statutory Bail-in or Contractual Bail-in nor the effects on the Certificates described above.

Neither a cancellation of the Certificates, a reduction, in part or in full, of the Amounts Due, the conversion thereof into another security or obligation of the Issuer or the Guarantor or another person, as a result of the exercise of the Statutory Bail-in or the implementation of the Contractual Bail-in with respect to the Certificates will be an event of default or otherwise constitute non-performance of a contractual obligation, or entitle the Certificate Holder to any remedies (including equitable remedies) which are hereby expressly waived.

The matters set forth in this Condition shall be exhaustive on the foregoing matters to the exclusion of any other agreements, arrangements or understandings between the Issuer, the Guarantor and each Certificate Holder. No expenses necessary for the procedures under this Condition, including, but not limited to, those incurred by the Issuer and the Guarantor, shall be borne by any Certificate Holder.

For the purposes of this Condition:

**“Amounts Due”** means any amounts due by the Issuer under the Certificates.

**“Bail-In Power”** means any statutory cancellation, write-down and/or conversion power existing from time to time under any laws, regulations, rules or requirements relating to the resolution of banks, banking group companies, credit institutions and/or investment firms, including but not limited to any such laws, regulations, rules or requirements that are implemented, adopted or enacted within the context of a European Union directive or regulation of the European Parliament and of the Council establishing a framework for the recovery and resolution of credit institutions and investment firms, or any other applicable laws or regulations, as amended, or otherwise, pursuant to which obligations of a bank, banking group company, credit institution or investment firm or any of its affiliates can be reduced, cancelled, varied or otherwise modified in any way and/or converted into shares or other securities or obligations of the obligor or any other person.

**“MREL”** means the Minimum Requirement for own funds and Eligible Liabilities as defined in Directive 2014/59/EU of the European Parliament and of the Council of 15

May 2014 establishing a framework for the recovery and resolution of credit institutions and investment firms (as amended from time to time).

“**Relevant Resolution Authority**” means any authority with the ability to exercise the Bail-in Power on Societe Generale or SG Issuer as the case may be.

## 2. Certificate Rights and Exercise Expenses

- (a) *Certificate Rights.* Every Certificate entitles each Certificate Holder, upon due exercise and on compliance with Condition 4, to payment by the Issuer of the Cash Settlement Amount (as defined below) (if any) in the manner set out in Condition 4.

The “**Cash Settlement Amount**”, in respect of each Certificate, shall be an amount payable in the Settlement Currency equal to the Closing Level multiplied by the Notional Amount per Certificate.

The “**Closing Level**”, in respect of each Certificate, shall be an amount payable in the Settlement Currency equal to:

$$\left( \frac{\text{Final Reference Level} \times \text{Final Exchange Rate}}{\text{Initial Reference Level} \times \text{Initial Exchange Rate}} - \text{Strike Level} \right) \times \text{Hedging Fee Factor}$$

If the Issuer determines, in its sole discretion, that on the Valuation Date or any Observation Date a Market Disruption Event has occurred, then that Valuation Date or Observation Date shall be postponed until the first succeeding Exchange Business Day or Underlying Stock Business Day, as the case may be, on which there is no Market Disruption Event, unless there is a Market Disruption Event on each of the five Exchange Business Days or Underlying Stock Business Days, as the case may be, immediately following the original date that, but for the Market Disruption Event, would have been a Valuation Date or an Observation Date. In that case: -

- (i) that fifth Exchange Business Day or Underlying Stock Business Day, as the case may be, shall be deemed to be the Valuation Date or the Observation Date notwithstanding the Market Disruption Event; and
- (ii) the Issuer shall determine the Final Reference Level or the relevant closing level on the basis of its good faith estimate of the Final Reference Level or the relevant closing level that would have prevailed on that fifth Exchange Business Day or Underlying Stock Business Day, as the case may be, but for the Market Disruption Event.

“**Market Disruption Event**” means the occurrence or existence of (i) any suspension of trading on the Relevant Stock Exchange of the Underlying Stock requested by the Company if that suspension is, in the determination of the Issuer, material, (ii) any suspension of or limitation imposed on trading (including but not limited to unforeseen circumstances such as by reason of movements in price exceeding limits permitted by the Relevant Stock Exchange or any act of God, war, riot, public disorder, explosion, terrorism or otherwise) on the Relevant Stock Exchange in the Underlying Stock if that suspension or limitation is, in the determination of the Issuer, material, or (iii) the closing of the Relevant Stock Exchange or a disruption to trading on the Relevant Stock Exchange if that disruption is, in the determination of the Issuer, material as a result of the occurrence of any act of God, war, riot, public disorder, explosion or terrorism.

- (b) *Exercise Expenses.* Certificate Holders will be required to pay all charges which are incurred in respect of the exercise of the Certificates (the “**Exercise Expenses**”). An

amount equivalent to the Exercise Expenses will be deducted by the Issuer from the Cash Settlement Amount in accordance with Condition 4. Notwithstanding the foregoing, the Certificate Holders shall account to the Issuer on demand for any Exercise Expenses to the extent that they were not or could not be deducted from the Cash Settlement Amount prior to the date of payment of the Cash Settlement Amount to the Certificate Holders in accordance with Condition 4.

- (c) **No Rights.** The purchase of Certificates does not confer on the Certificate Holders any right (whether in respect of voting, dividend or other distributions in respect of the Underlying Stock or otherwise) which the holder of an Underlying Stock may have.

### **3. Expiry Date**

Unless automatically exercised in accordance with Condition 4(b), the Certificates shall be deemed to expire at 10:00 a.m. (Singapore time) on the Expiry Date or if the Expiry Date is not a Business Day (as defined below), the immediately preceding Business Day.

### **4. Exercise of Certificates**

- (a) *Exercise.* Certificates may only be exercised on the Expiry Date or if the Expiry Date is not a Business Day, the immediately preceding Business Day, in accordance with Condition 4(b).
- (b) *Automatic Exercise.* Certificate Holders shall not be required to deliver an exercise notice. Exercise of Certificates shall be determined by whether the Cash Settlement Amount (less any Exercise Expenses) is positive. If the Cash Settlement Amount (less any Exercise Expenses) is positive, all Certificates shall be deemed to have been automatically exercised at 10:00 a.m. (Singapore time) on the Expiry Date or if the Expiry Date is not a Business Day, the immediately preceding Business Day. The Cash Settlement Amount less the Exercise Expenses in respect of the Certificates shall be paid in the manner set out in Condition 4(c) below. In the event the Cash Settlement Amount (less any Exercise Expenses) is zero, all Certificates shall be deemed to have expired at 10:00 a.m. (Singapore time) on the Expiry Date or if the Expiry Date is not a Business Day, the immediately preceding Business Day, and Certificate Holders shall not be entitled to receive any payment from the Issuer in respect of the Certificates.
- (c) *Settlement.* In respect of Certificates which are automatically exercised in accordance with Condition 4(b), the Issuer will pay to the relevant Certificate Holder the Cash Settlement Amount (if any) in the Settlement Currency. The aggregate Cash Settlement Amount (less any Exercise Expenses) shall be despatched as soon as practicable and no later than five Settlement Business Days (as defined in the relevant Supplemental Listing Document and subject to extension upon the occurrence of a Settlement Disruption Event (as defined below)) following the Expiry Date by way of crossed cheque or other payment in immediately available funds drawn in favour of the Certificate Holder only (or, in the case of joint Certificate Holders, the first-named Certificate Holder) appearing in the records maintained by CDP. Any payment made pursuant to this Condition 4(c) shall be delivered at the risk and expense of the Certificate Holder and posted to the Certificate Holder's address appearing in the records maintained by CDP (or, in the case of joint Certificate Holders, to the address of the first-named Certificate Holder appearing in the records maintained by CDP). If the Cash Settlement Amount is equal to or less than the determined Exercise Expenses, no amount is payable.



If the Issuer determines, in its sole discretion, that on any Settlement Business Day during the period of five Settlement Business Days following the Expiry Date a Settlement Disruption Event has occurred, such Settlement Business Day shall be postponed to the next Settlement Business Day on which the Issuer determines that the Settlement Disruption Event is no longer subsisting and such period shall be extended accordingly, provided that the Issuer and/or the Guarantor shall make their best endeavours to implement remedies as soon as reasonably practicable to eliminate the impact of the Settlement Disruption Event on its/their payment obligations under the Certificates and/or the Guarantee.

**“Settlement Disruption Event”** means the occurrence or existence of any malicious action or attempt initiated to steal, expose, alter, disable or destroy information through unauthorised access to, or maintenance or use of, the Computer Systems of the Issuer, the Guarantor, the Calculation Agent, their respective affiliates (the “SG Group”), their IT service providers, by (and without limitation) the use of malware, ransomware, phishing, denial or disruption of service or cryptojacking or any unauthorized entry, removal, reproduction, transmission, deletion, disclosure or modification preventing the Issuer, the Guarantor and/or the Calculation Agent to perform their obligations under the Certificates, and notwithstanding the implementation of processes, required, as the case may be, by the laws and regulations applicable to the Issuer, the Guarantor, the Calculation Agent and their affiliates, or their IT service providers to improve their resilience to these actions and attempts.

**“Computer System”** means all the computer resources including, in particular: hardware, software packages, software, databases and peripherals, equipment, networks, electronic installations for storing computer data, including Data. The Computer System shall be understood to be that which (i) belongs to the SG Group and/or (ii) is rented, operated or legally held by the SG Group under a contract with the holder of the rights to the said system and/or (iii) is operated on behalf of the SG Group by a third party within the scope of a contractual relationship and/or (iv) is made available to the SG Group under a contract within the framework of a shared system (in particular cloud computing).

**“Data”** means any digital information, stored or used by the Computer System, including confidential data.

- (d) *CDP not liable.* CDP shall not be liable to any Certificate Holder with respect to any action taken or omitted to be taken by the Issuer or the Warrant Agent in connection with the exercise of the Certificates or otherwise pursuant to or in connection with these Conditions.
- (e) *Business Day.* In these Conditions, a **“Business Day”** shall be a day on which the SGX-ST is open for dealings in Singapore during its normal trading hours and banks are open for business in Singapore.

## 5. Warrant Agent

- (a) *Warrant Agent.* The Issuer reserves the right, subject to the appointment of a successor, at any time to vary or terminate the appointment of the Warrant Agent and to appoint another Warrant Agent provided that it will at all times maintain a Warrant Agent which, so long as the Certificates are listed on the SGX-ST, shall be in Singapore. Notice of any such termination or appointment and of any change in the

specified office of the Warrant Agent will be given to the Certificate Holders in accordance with Condition 9.

- (b) *Agent of Issuer.* The Warrant Agent will be acting as agent of the Issuer and will not assume any obligation or duty to or any relationship of agency or trust for the Certificate Holders. All determinations and calculations by the Warrant Agent under these Conditions shall (save in the case of manifest error) be final and binding on the Issuer and the Certificate Holders.

## 6. Adjustments

- (a) *Potential Adjustment Event.* Following the declaration by a Company of the terms of any Potential Adjustment Event (as defined below), the Issuer will determine whether such Potential Adjustment Event has a dilutive or concentrative or other effect on the theoretical value of the Underlying Stock and, if so, will (i) make the corresponding adjustment, if any, to any one or more of the Conditions as the Issuer determines appropriate to account for that dilutive or concentrative or other effect, and (ii) determine the effective date of that adjustment. The Issuer may, but need not, determine the appropriate adjustment by reference to the adjustment in respect of such Potential Adjustment Event made by an exchange on which options or futures contracts on the Underlying Stock are traded.

- (b) *Definitions.* “**Potential Adjustment Event**” means any of the following:

- (i) a subdivision, consolidation, reclassification or other restructuring of the Underlying Stock (excluding a Merger Event) or a free distribution or dividend of any such Underlying Stock to existing holders by way of bonus, capitalisation or similar issue;
- (ii) a distribution or dividend to existing holders of the Underlying Stock of (1) such Underlying Stock, or (2) other share capital or securities granting the right to payment of dividends and/or the proceeds of liquidation of the Company equally or proportionately with such payments to holders of such Underlying Stock, or (3) share capital or other securities of another issuer acquired by the Company as a result of a “spin-off” or other similar transaction, or (4) any other type of securities, rights or warrants or other assets, in any case for payment (in cash or otherwise) at less than the prevailing market price as determined by the Issuer;
- (iii) an extraordinary dividend;
- (iv) a call by the Company in respect of the Underlying Stock that is not fully paid;
- (v) a repurchase by the Company of the Underlying Stock whether out of profits or capital and whether the consideration for such repurchase is cash, securities or otherwise;
- (vi) with respect to a Company an event that results in any shareholder rights pursuant to a shareholder rights agreement or other plan or arrangement of the type commonly referred to as a “poison pill” being distributed, or becoming separated from shares of common stock or other shares of the capital stock of such Company (provided that any adjustment effected as a result of such an event shall be readjusted upon any redemption of such rights); or

- (vii) any other event that may have, in the opinion of the Issuer, a dilutive or concentrative or other effect on the theoretical value of the Underlying Stock.
- (c) *Merger Event, Tender Offer, Nationalisation and Insolvency.* If a Merger Event, Tender Offer, Nationalisation or Insolvency occurs in relation to the Underlying Stock, the Issuer may take any action described below:
- (i) determine the appropriate adjustment, if any, to be made to any one or more of the Conditions to account for the Merger Event, Tender Offer, Nationalisation or Insolvency, as the case may be, and determine the effective date of that adjustment. The Issuer may, but need not, determine the appropriate adjustment by reference to the adjustment in respect of the Merger Event, Tender Offer, Nationalisation or Insolvency made by an options exchange to options on the Underlying Stock traded on that options exchange;
  - (ii) cancel the Certificates by giving notice to the Certificate Holders in accordance with Condition 9. If the Certificates are so cancelled, the Issuer will pay an amount to each Certificate Holder in respect of each Certificate held by such Certificate Holder which amount shall be the fair market value of a Certificate taking into account the Merger Event, Tender Offer, Nationalisation or Insolvency, as the case may be, less the cost to the Issuer and/or any of its affiliates of unwinding any underlying related hedging arrangements, all as determined by the Issuer in its reasonable discretion. Payment will be made in such manner as shall be notified to the Certificate Holders in accordance with Condition 9; or
  - (iii) following any adjustment to the settlement terms of options on the Underlying Stock on such exchange(s) or trading system(s) or quotation system(s) as the Issuer in its reasonable discretion shall select (the “**Option Reference Source**”) make a corresponding adjustment to any one or more of the Conditions, which adjustment will be effective as of the date determined by the Issuer to be the effective date of the corresponding adjustment made by the Option Reference Source. If options on the Underlying Stock are not traded on the Option Reference Source, the Issuer will make such adjustment, if any, to any one or more of the Conditions as the Issuer determines appropriate, with reference to the rules and precedents (if any) set by the Option Reference Source, to account for the Merger Event, Tender Offer, Nationalisation or Insolvency, as the case may be, that in the determination of the Issuer would have given rise to an adjustment by the Option Reference Source if such options were so traded.

Once the Issuer determines that its proposed course of action in connection with a Merger Event, Tender Offer, Nationalisation or Insolvency, it shall give notice to the Certificate Holders in accordance with Condition 9 stating the occurrence of the Merger Event, Tender Offer, Nationalisation or Insolvency, as the case may be, giving details thereof and the action proposed to be taken in relation thereto. Certificate Holders should be aware that due to the nature of such events, the Issuer will not make an immediate determination of its proposed course of action or adjustment upon the announcement or occurrence of a Merger Event, Tender Offer, Nationalisation or Insolvency.

- (d) *Definitions.* “**Insolvency**” means that by reason of the voluntary or involuntary liquidation, bankruptcy, insolvency, dissolution or winding-up of or any analogous proceeding affecting a Company (i) all the Underlying Stock of that Company is required to be transferred to a trustee, liquidator or other similar official or (ii) holders of the Underlying Stock of that Company become legally prohibited from transferring them. “**Merger Date**” means the closing date of a Merger Event or, where a closing date cannot be determined under the local law applicable to such Merger Event, such other date as determined by the Issuer. “**Merger Event**” means, in respect of the Underlying Stock, any (i) reclassification or change of such Underlying Stock that results in a transfer of or an irrevocable commitment to transfer all of such Underlying Stock outstanding to another entity or person, (ii) consolidation, amalgamation, merger or binding share exchange of a Company with or into another entity or person (other than a consolidation, amalgamation, merger or binding share exchange in which such Company is the continuing entity and which does not result in reclassification or change of all of such Underlying Stock outstanding), (iii) takeover offer, exchange offer, solicitation, proposal or other event by any entity or person to purchase or otherwise obtain 100 per cent. of the outstanding Underlying Stock of the Company that results in a transfer of or an irrevocable commitment to transfer all such Underlying Stock (other than such Underlying Stock owned or controlled by such other entity or person), or (iv) consolidation, amalgamation, merger or binding share exchange of the Company or its subsidiaries with or into another entity in which the Company is the continuing entity and which does not result in a reclassification or change of all such Underlying Stock outstanding but results in the outstanding Underlying Stock (other than Underlying Stock owned or controlled by such other entity) immediately prior to such event collectively representing less than 50 per cent. of the outstanding Underlying Stock immediately following such event, in each case if the Merger Date is on or before the Valuation Date. “**Nationalisation**” means that all the Underlying Stock or all or substantially all of the assets of a Company are nationalised, expropriated or are otherwise required to be transferred to any governmental agency, authority, entity or instrumentality thereof. “**Tender Offer**” means a takeover offer, tender offer, exchange offer, solicitation, proposal or other event by any entity or person that results in such entity or person purchasing, or otherwise obtaining or having the right to obtain, by conversion or other means, greater than 10 per cent. and less than 100 per cent. of the outstanding voting shares of the Company, as determined by the Issuer, based upon the making of filings with governmental or self-regulatory agencies or such other information as the Issuer deems relevant.
- (e) *Subdivision or Consolidation of the Certificates.* The Issuer reserves the right to subdivide or consolidate the Certificates, provided that such adjustment is considered by the Issuer not to be materially prejudicial to the Certificate Holders generally (without considering the circumstances of any individual Certificate Holder or the tax or other consequences of such adjustment or amendment in any particular jurisdiction) and subject to the approval of the SGX-ST.
- (f) *Other Adjustments.* Except as provided in this Condition 6 and Conditions 10 and 12, adjustments will not be made in any other circumstances, subject to the right reserved by the Issuer (such right to be exercised in the Issuer's sole discretion and without any obligation whatsoever) to make such adjustments and amendments as it believes appropriate in circumstances where an event or events occur which it

believes in its sole discretion (and notwithstanding any prior adjustment made pursuant to the above) should, in the context of the issue of the Certificates and the obligations of the Issuer, give rise to such adjustment or, as the case may be, amendment provided that such adjustment or, as the case may be, amendment is considered by the Issuer not to be materially prejudicial to the Certificate Holders generally (without considering the circumstances of any individual Certificate Holder or the tax or other consequences of such adjustment or amendment in any particular jurisdiction).

- (g) *Notice of Adjustments.* All determinations made by the Issuer pursuant hereto will be conclusive and binding on the Certificate Holders. The Issuer will give, or procure that there is given, notice as soon as practicable of any adjustment and of the date from which such adjustment is effective by publication in accordance with Condition 9. For the avoidance of doubt, no notice will be given if the Issuer determines that adjustments will not be made.

#### **6A. US withholding tax implications on the Payment**

Notwithstanding any other provision of these Conditions, in no event will the Issuer or the Guarantor be required to pay any additional amounts in respect of the Certificates for, or on account of, any withholding or deduction (i) required pursuant to an agreement described in Section 1471(b) of the U.S. Internal Revenue Code of 1986, as amended (the “**US Code**”), or otherwise imposed pursuant to Sections 1471 through 1474 of the US Code, any regulations or agreements thereunder, or any official interpretations thereof, or any law implementing an intergovernmental approach thereto, (ii) imposed pursuant to the Section 871(m) Regulations (“**Section 871(m) Withholding**”) or (iii) imposed by any other law of the United States. In addition, in determining the amount of Section 871(m) Withholding imposed on any payments on the Certificates, the Issuer shall be entitled to withhold on any “dividend equivalent” (as defined for purposes of Section 871(m) of the US Code) at the highest rate applicable to such payments regardless of any exemption from, or reduction in, such withholding otherwise available under applicable law.

With respect to Specified Warrants that provide for net dividend reinvestment in respect of either an underlying U.S. security (i.e. a security that pays U.S. source dividends) or an index that includes U.S. securities, all payments on Certificates that reference such U.S. securities or an index that includes U.S. securities may be calculated by reference to dividends on such U.S. securities that are reinvested at a rate of 70%. In such case, in calculating the relevant payment amount, the holder will be deemed to receive, and the Issuer or the Guarantor will be deemed to withhold, 30% of any dividend equivalent payments (as defined in Section 871(m) of the Code) in respect of the relevant U.S. securities. The Issuer or the Guarantor will not pay any additional amounts to the holder on account of the Section 871(m) amount deemed withheld.

For the purpose of this Condition:

“**Section 871(m) Regulations**” means the U.S. Treasury regulations issued under Section 871(m) of the Code.

“**Specified Warrants**” means, subject to special rules from 2017 through 2026 set out in Notice 2024-44 (the **Notice**), Warrants issued on or after 1 January 2017 that substantially replicate the economic performance of one or more U.S. underlying equities as determined by the Issuer on the date for such Warrants as of which the expected delta of the product is determined by the Issuer, based on tests set out in the applicable Section 871(m) Regulations, such that the Warrants are subject to withholding under the Section 871(m) Regulations.

## 7. Purchases

The Issuer, the Guarantor or any of their respective subsidiaries may at any time purchase Certificates at any price in the open market or by tender or by private treaty. Any Certificates so purchased may be held or resold or surrendered for cancellation.

## 8. Meetings of Certificate Holders; Modification

- (a) *Meetings of Certificate Holders.* The Master Warrant Agent Agreement or Warrant Agent Agreement contains provisions for convening meetings of the Certificate Holders to consider any matter affecting their interests, including the sanctioning by Extraordinary Resolution (as defined in the Master Warrant Agent Agreement or Warrant Agent Agreement) of a modification of the provisions of the Certificates or of the Master Warrant Agent Agreement or Warrant Agent Agreement.

At least 21 days' notice (exclusive of the day on which the notice is given and of the day on which the meeting is held) specifying the date, time and place of the meeting shall be given to the Certificate Holders.

Such a meeting may be convened by the Issuer or by Certificate Holders holding not less than ten per cent. of the Certificates for the time being remaining unexercised. The quorum at any such meeting for passing an Extraordinary Resolution will be two or more persons holding or representing not less than 25 per cent. of the Certificates for the time being remaining unexercised, or at any adjourned meeting, two or more persons being or representing Certificate Holders whatever the number of Certificates so held or represented.

A resolution will be an Extraordinary Resolution when it has been passed at a duly convened meeting by not less than three-quarters of the votes cast by such Certificate Holders who, being entitled to do so, vote in person or by proxy.

An Extraordinary Resolution passed at any meeting of the Certificate Holders shall be binding on all the Certificate Holders whether or not they are present at the meeting. Resolutions can be passed in writing if passed unanimously.

- (b) *Modification.* The Issuer may, without the consent of the Certificate Holders, effect (i) any modification of the provisions of the Certificates or the Master Instrument which is not materially prejudicial to the interests of the Certificate Holders or (ii) any modification of the provisions of the Certificates or the Master Instrument which is of a formal, minor or technical nature, which is made to correct an obvious error or which is necessary in order to comply with mandatory provisions of Singapore law. Any such modification shall be binding on the Certificate Holders and shall be notified to them by the Warrant Agent before the date such modification becomes effective or as soon as practicable thereafter in accordance with Condition 9.

## 9. Notices

- (a) *Documents.* All cheques and other documents required or permitted by these Conditions to be sent to a Certificate Holder or to which a Certificate Holder is entitled or which the Issuer shall have agreed to deliver to a Certificate Holder may be delivered by hand or sent by post addressed to the Certificate Holder at his address appearing in the records maintained by CDP or, in the case of joint Certificate Holders, addressed to the joint holder first named at his address appearing in the records maintained by CDP, and airmail post shall be used if that address is not in

Singapore. All documents delivered or sent in accordance with this paragraph shall be delivered or sent at the risk of the relevant Certificate Holder.

- (b) *Notices.* All notices to Certificate Holders will be validly given if published in English on the web-site of the SGX-ST. Such notices shall be deemed to have been given on the date of the first such publication. If publication on the web-site of the SGX-ST is not practicable, notice will be given in such other manner as the Issuer may determine. The Issuer shall, at least one month prior to the expiry of any Certificate, give notice of the date of expiry of such Certificate in the manner prescribed above.

## **10. Liquidation**

In the event of a liquidation or dissolution of the Company or the appointment of a liquidator (including a provisional liquidator) or receiver or judicial manager or trustee or administrator or analogous person under Singapore or other applicable law in respect of the whole or substantially the whole of its undertaking, property or assets, all unexercised Certificates will lapse and shall cease to be valid for any purpose, in the case of voluntary liquidation, on the effective date of the relevant resolution and, in the case of an involuntary liquidation or dissolution, on the date of the relevant court order or, in the case of the appointment of a liquidator (including a provisional liquidator) or receiver or judicial manager or trustee or administrator or analogous person under Singapore or other applicable law in respect of the whole or substantially the whole of its undertaking, property or assets, on the date when such appointment is effective but subject (in any such case) to any contrary mandatory requirement of law. In the event of the voluntary liquidation of the Company, the Issuer shall make such adjustments or amendments as it reasonably believes are appropriate in the circumstances.

## **11. Further Issues**

The Issuer shall be at liberty from time to time, without the consent of the Certificate Holders, to create and issue further certificates so as to form a single series with the Certificates, subject to the approval of the SGX-ST.

## **12. Delisting**

- (a) *Delisting.* If at any time, the Underlying Stock ceases to be listed on the Relevant Stock Exchange, the Issuer shall give effect to these Conditions in such manner and make such adjustments and amendments to the rights attaching to the Certificates as it shall, in its absolute discretion, consider appropriate to ensure, so far as it is reasonably able to do so, that the interests of the Certificate Holders generally are not materially prejudiced as a consequence of such delisting (without considering the individual circumstances of any Certificate Holder or the tax or other consequences that may result in any particular jurisdiction).
- (b) *Issuer's Determination.* The Issuer shall determine, in its absolute discretion, any adjustment or amendment and its determination shall be conclusive and binding on the Certificate Holders save in the case of manifest error. Notice of any adjustments or amendments shall be given to the Certificate Holders in accordance with Condition 9 as soon as practicable after they are determined.

## **13. Early Termination**

- (a) *Early Termination for Illegality and Force Majeure, etc.* If the Issuer determines that a Regulatory Event (as defined below) has occurred and, for reasons beyond its control, the performance of its obligations under the Certificates has become illegal or impractical in whole or in part for any reason, or the Issuer determines that, for

reasons beyond its control, it is no longer legal or practical for it to maintain its hedging arrangements with respect to the Certificates for any reason, the Issuer may in its discretion and without obligation terminate the Certificates early in accordance with Condition 13(e).

Should any one or more of the provisions contained in the Conditions be or become invalid, the validity of the remaining provisions shall not in any way be affected thereby.

For the purposes of this Condition:

**“Regulatory Event”** means, following the occurrence of a Change in Law (as defined below) with respect to the Issuer and/or Société Générale as Guarantor or in any other capacity (including without limitation as hedging counterparty of the Issuer, market maker of the Certificates or direct or indirect shareholder or sponsor of the Issuer) or any of its affiliates involved in the issuer of the Certificates (hereafter the **“Relevant Affiliates”** and each of the Issuer, Société Générale and the Relevant Affiliates, a **“Relevant Entity”**) that, after the Certificates have been issued, (i) any Relevant Entity would incur a materially increased (as compared with circumstances existing prior to such event) amount of tax, duty, liability, penalty, expense, fee, cost or regulatory capital charge however defined or collateral requirements for performing its obligations under the Certificates or hedging the Issuer’s obligations under the Certificates, including, without limitation, due to clearing requirements of, or the absence of, clearing of the transactions entered into in connection with the issue of, or hedging the Issuer’s obligation under, the Certificates, (ii) it is or will become for any Relevant Entity impracticable, impossible (in each case, after using commercially reasonable efforts), unlawful, illegal or otherwise prohibited or contrary, in whole or in part, under any law, regulation, rule, judgement, order or directive of any governmental, administrative or judicial authority, or power, applicable to such Relevant Entity (a) to hold, acquire, issue, reissue, substitute, maintain, settle, or as the case may be, guarantee, the Certificates, (b) to acquire, hold, sponsor or dispose of any asset(s) (or any interest thereof) of any other transaction(s) such Relevant Entity may use in connection with the issue of the Certificates or to hedge the Issuer’s obligations under the Certificates, (c) to perform obligations in connection with, the Certificates or any contractual arrangement entered into between the Issuer and Société Générale or any Relevant Affiliate (including without limitation to hedge the Issuer’s obligations under the Certificates) or (d) to hold, acquire, maintain, increase, substitute or redeem all or a substantial part of its direct or indirect shareholding in the Issuer’s capital or the capital of any Relevant Affiliate or to directly or indirectly sponsor the Issuer or any Relevant Affiliate, or (iii) there is or may be a material adverse effect on a Relevant Entity in connection with the issue of the Certificates.

**“Change in law”** means (i) the adoption, enactment, promulgation, execution or ratification of any applicable new law, regulation or rule (including, without limitation, any applicable tax law, regulation or rule) after the Certificates have been issued, (ii) the implementation or application of any applicable law, regulation or rule (including, without limitation, any applicable tax law, regulation or rule) already in force when the Certificates have been issued but in respect of which the manner of its implementation or application was not known or unclear at the time, or (iii) the change of any applicable law, regulation or rule existing when the Certificates are issued, or the change in the interpretation or application or practice relating thereto,



existing when the Certificates are issued of any applicable law, regulation or rule, by any competent court, tribunal, regulatory authority or any other entity exercising executive, legislative, judicial, taxing, regulatory or administrative powers or functions of or pertaining to government (including any additional or alternative court, tribunal, authority or entity, to that existing when the Certificates are issued).

- (b) *Early Termination for Holding Limit Event.* The Issuer may in its discretion and without obligation terminate the Certificates early in accordance with Condition 13(e) where a Holding Limit Event (as defined below) occurs.

For the purposes of this Condition:

“**Holding Limit Event**” means, assuming the investor is the Issuer and/or any of its affiliates, the Issuer together with its affiliates, in aggregate hold, an interest in the Underlying Stock, constituting or likely to constitute (directly or indirectly) ownership, control or the power to vote a percentage of any class of voting securities of the Underlying Stock, of the Underlying Stock in excess of a percentage permitted or advisable, as determined by the Issuer, for the purpose of its compliance with the Bank Holding Company Act of 1956 as amended by Section 619 of the Dodd-Frank Wall Street Reform and Consumer Protection Act (the Volcker Rule), including any requests, regulations, rules, guidelines or directives made by the relevant governmental authority under, or issued by the relevant governmental authority in connection with, such statutes.

- (c) *Early Termination for Hedging Disruption.* If the Issuer or any of its affiliates is, following commercially reasonable efforts, not in the position (i) to enter, re-enter, replace, maintain, liquidate, acquire or dispose of any Hedge Positions (as defined below) or (ii) to freely realize, recover, receive, repatriate, remit, regain or transfer the proceeds of any Hedge Position (where either (i) or (ii) shall constitute a “**Hedging Disruption**”), the Issuer may terminate the Certificates early in accordance with Condition 13(e) provided that the intrinsic value on the previous trading day of the relevant Certificate is at or above the Issue Price. The Issuer’s decision on whether a Hedging Disruption has occurred is final and conclusive. For the avoidance of doubt, Hedging Disruptions shall include the scenario where any Hedge Position cannot be maintained up to the amount necessary to cover all of the Issuer’s obligations under the Certificates.

For the purposes hereof, “**Hedge Positions**” means any one or more commercially reasonable (i) positions (including long or short positions) or contracts in, or relating to, securities, options, futures, other derivatives contracts or foreign exchange, (ii) stock loan or borrowing transactions or (iii) other instruments, contracts, transactions or arrangements (howsoever described) that the Issuer or any of its affiliates determines necessary to hedge, individually or on a portfolio basis, any risk (including, without limitation, market risk, price risk, foreign exchange risk and interest rate risk) in relation to the assumption and fulfilment of the Issuer’s obligations under the Certificates.

- (d) *Early Termination for other reasons.* The Issuer reserves the right (such right to be exercised in the Issuer’s sole and unfettered discretion and without any obligation whatsoever) to terminate the Certificates in accordance with Condition 13(e) where an event or events occur which it believes in its sole discretion should, in the context of the issue of the Certificates and the obligations of the Issuer, give rise to such

termination provided that such termination (i) is considered by the Issuer not to be materially prejudicial to the interests of Certificate Holders generally (without considering the circumstances of any individual Certificate Holder or the tax or other consequences of such termination in any particular jurisdiction); or (ii) is otherwise considered by the Issuer to be appropriate and such termination is approved by the SGX-ST.

- (e) *Termination.* If the Issuer terminates the Certificates early, the Issuer will give notice to the Certificate Holders in accordance with Condition 9. The Issuer will, if and to the extent permitted by applicable law, pay an amount to each Certificate Holder in respect of each Certificate held by such holder equal to the fair market value of a Certificate notwithstanding such illegality, impracticality or the relevant event less the cost to the Issuer of unwinding any underlying related hedging arrangements, all as determined by the Issuer in its sole and absolute discretion. The determination of the fair market value may deviate from the determination of the Cash Settlement Amount under different scenarios, including but not limited to, where (i) the Daily Reset (as defined in the relevant Supplemental Listing Document) mechanism is suspended and/or (ii) the Final Reference Level is determined based on the closing price of the Underlying Stock on multiple Underlying Stock Business Days or Exchange Business Days, as the case may be. Payment will be made in such manner as shall be notified to the Certificate Holders in accordance with Condition 9.

#### **14. Substitution of the Issuer**

The Issuer may be replaced by the Guarantor or any subsidiary of the Guarantor as principal obligor in respect of the Certificates without the consent of the relevant Certificate Holders. If the Issuer determines that it shall be replaced by the Guarantor or any subsidiary of the Guarantor (the “**Substituted Obligor**”), it shall give at least 90 days’ notice (exclusive of the day on which the notice is given and of the day on which the substitution is effected) specifying the date of the substitution, in accordance with Condition 9, to the Certificate Holders of such event and, immediately on the expiry of such notice, the Substituted Obligor shall become the principal obligor in place of the Issuer and the Certificate Holders shall thereupon cease to have any rights or claims whatsoever against the Issuer.

Upon any such substitution, all references to the Issuer in the Conditions and all agreements relating to the Certificates will be to the Substituted Obligor and the Certificates will be modified as required, and the Certificate Holders will be notified of the modified terms and conditions of such Certificates in accordance with Condition 9.

For the purposes of this Condition, it is expressly agreed that by subscribing to, acquiring or otherwise purchasing or holding the Certificates, the Certificate Holders are expressly deemed to have consented to the substitution of the Issuer by the Substituted Obligor and to the release of the Issuer from any and all obligations in respect of the Certificates and all agreements relating thereto and are expressly deemed to have accepted such substitution and the consequences thereof.

#### **15. Governing Law**

The Certificates, the Master Instrument and the Master Warrant Agent Agreement or Warrant Agent Agreement will be governed by and construed in accordance with Singapore law. The Issuer and the Guarantor and each Certificate Holder (by its purchase of the Certificates) shall be deemed to have submitted for all purposes in connection with the Certificates, the Master Instrument and the Master Warrant Agent Agreement or Warrant Agent Agreement to the non-exclusive jurisdiction of the

courts of Singapore. The Guarantee shall be governed by and construed in accordance with Singapore law.

**16. Prescription**

Claims against the Issuer for payment of any amount in respect of the Certificates will become void unless made within six years of the Expiry Date and, thereafter, any sums payable in respect of such Certificates shall be forfeited and shall revert to the Issuer.

**17. Contracts (Rights of Third Parties) Act 2001 of Singapore**

Unless otherwise provided in the Global Warrant, the Master Instrument and the Master Warrant Agent Agreement or Warrant Agent Agreement, a person who is not a party to any contracts made pursuant to the Global Warrant, the Master Instrument and the Master Warrant Agent Agreement or Warrant Agent Agreement has no rights under the Contracts (Rights of Third Parties) Act 2001 of Singapore to enforce any terms of such contracts. Except as expressly provided herein, the consent of any third party is not required for any subsequent agreement by the parties hereto to amend or vary (including any release or compromise of any liability) or terminate such contracts.

## SUMMARY OF THE ISSUE

*The following is a summary of the issue and should be read in conjunction with, and is qualified by reference to, the other information set out in this document and the Base Listing Document. Terms used in this Summary are defined in the Conditions.*

Issuer:	SG Issuer
Company:	Meta Platforms, Inc.
The Certificates:	European Style Cash Settled Short Certificates relating to the Underlying Stock
Number:	2,700,000 Certificates
Form:	The Certificates will be issued subject to, and with the benefit of, a master instrument by way of deed poll dated 14 June 2024 (the “ <b>Master Instrument</b> ”) and executed by the Issuer and the Guarantor and a master warrant agent agreement dated 29 May 2017 (the “ <b>Master Warrant Agent Agreement</b> ”) and made between the Issuer, the Guarantor and the Warrant Agent (as amended and/or supplemented from time to time).
Cash Settlement Amount:	In respect of each Certificate, is the amount (if positive) equal to:  Notional Amount per Certificate x Closing Level
Denominations:	Certificates are represented by a global warrant in respect of all the Certificates.
Exercise:	The Certificates may only be exercised on the Expiry Date or if the Expiry Date is not a Business Day, the immediately preceding Business Day, in a Board Lot or integral multiples thereof. Certificate Holders will not be required to deliver an exercise notice. If the Cash Settlement Amount (less any Exercise Expenses) is positive, all Certificates will be deemed to have been automatically exercised at 10:00 a.m. (Singapore time) on the Expiry Date or if the Expiry Date is not a Business Day, the immediately preceding Business Day. The Cash Settlement Amount less the Exercise Expenses in respect of the Certificates shall be paid in the manner set out in Condition 4(c) of the Conditions. In the event the Cash Settlement Amount (less any Exercise Expenses) is zero, all Certificates shall be deemed to have expired at 10:00 a.m. (Singapore time) on the Expiry Date or if the Expiry Date is not a Business Day, the immediately preceding Business Day, and Certificate Holders shall not be entitled to receive any payment from the Issuer in respect of the Certificates.
Exercise and Trading Currency:	SGD
Board Lot:	100 Certificates

- Transfers of Certificates: Certificates may only be transferred in Board Lots (or integral multiples thereof). All transfers in Certificates, in the open market or otherwise, must be effected through a securities account with CDP. Title will pass upon registration of the transfer in the records of CDP.
- Listing: Application has been made to the SGX-ST for permission to deal in and for quotation of the Certificates and the SGX-ST has agreed in principle to grant permission to deal in and for quotation of the Certificates. Issue of the Certificates is conditional on such listing being granted. It is expected that dealings in the Certificates on the SGX-ST will commence on or about 8 October 2024.
- Governing Law: The laws of Singapore
- Warrant Agent: The Central Depository (Pte) Limited  
4 Shenton Way  
#02-01 SGX Centre 2  
Singapore 068807
- Further Issues: Further issues which will form a single series with the Certificates will be permitted, subject to the approval of the SGX-ST.

The above summary is qualified in its entirety by reference to the detailed information appearing elsewhere in this document and the Base Listing Document.

## **INFORMATION RELATING TO THE EUROPEAN STYLE CASH SETTLED SHORT CERTIFICATES ON SINGLE EQUITIES**

### **What are European Style Cash Settled Short Certificates on Single Equities?**

European style cash settled short certificates on single equities (the “**Certificates**”) are structured products relating to the Underlying Stock and the return on a Certificate is linked to the performance of the Leverage Inverse Strategy.

#### **A) Cash Settlement Amount Payable upon the Exercise of the Certificates at Expiry**

Upon the exercise of the Certificates at expiry, the Certificate Holders would be paid a Cash Settlement Amount in respect of each Certificate.

The Cash Settlement Amount, in respect of each Certificate, shall be an amount payable in the Settlement Currency equal to the Closing Level multiplied by the Notional Amount per Certificate.

The Closing Level, in respect of each Certificate, shall be an amount payable in the Settlement Currency equal to (1) divided by (2) less (3) subject to any adjustments such as (4), where:

- (1) is the Final Reference Level multiplied by the Final Exchange Rate;
- (2) is the Initial Reference Level multiplied by the Initial Exchange Rate;
- (3) is the Strike Level; and
- (4) is the Hedging Fee Factor.

If the Cash Settlement Amount (less any Exercise Expenses) is positive, all Certificates shall be deemed to have been automatically exercised and investors will receive a Cash Settlement Amount. If the Cash Settlement Amount (less any Exercise Expenses) is zero, all Certificates shall be deemed to have expired. Please refer to the section headed “Terms and Conditions of the European Style Cash Settled Long/Short Certificates on Single Equities” for further details on the calculation of the Cash Settlement Amount.

The Certificates are only suitable for investors who believe that the price of the Underlying Stock will fall and are seeking short-term leveraged inverse exposure to the Underlying Stock.

#### **B) Trading the Certificates before Expiry**

If the Certificate Holders want to cash out their investments in the Certificates before the expiry of the Certificates, they may sell the Certificates in the secondary market during the life of the Certificates, and would be subject to the following fees and charges:

- (i) For Certificate Holders who trade the Certificates intraday: shall pay normal transaction and brokerage fees for the trading of the Certificates on the SGX-ST, and may be required to pay stamp taxes or other documentary charges in accordance with the laws and practices of the country where the Certificates are transferred; and
- (ii) For Certificate Holders who hold the Certificates beyond market close of the SGX-ST: in addition to the normal transaction and brokerage fees and applicable stamp taxes, would also be required to bear the Management Fee and Gap Premium as well as certain costs embedded within the Leverage Inverse Strategy including the Stock Borrowing Cost and Rebalancing Cost. Due to the difference in trading hours of the SGX-ST and the Relevant Stock Exchange for the Underlying Stock, unless investors exit their position within the same SGX-ST trading day, they would bear the annualised costs.

### Illustration of the Calculation of Hedging Fee Factor

Hedging Fee Factor	=	Product of the Daily Fees
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Daily Fees	=	<b>Daily Management Fee Adjustment</b>
		$1 - \text{Management Fee} \times \text{ACT} (t-1;t) / 360$
		x
		<b>Daily Gap Premium Adjustment</b>
		$1 - \text{Gap Premium} (t-1) \times \text{ACT} (t-1;t) / 360$

### Illustration of the Calculation of Cash Settlement Amount

Cash Settlement Amount = Final Value of Certificates – Strike Level (zero)

Value of Certificates	=	$t^6=0$	x	$t=1$	x	$t=2$	x ...	$t=i$			
		Notional Amount		Leverage Inverse Strategy daily performance <sup>7</sup>		Daily Fees		Leverage Inverse Strategy daily performance	Daily Fees	Leverage Inverse Strategy Daily performance	Daily Fees

Value of Certificates	=	$t=0$	x	<b>Product of the daily Leverage Inverse Strategy Performance</b>	x	<b>Product of the Daily Fees (Hedging Fee Factor)</b>
		Notional Amount		Leverage Inverse Strategy daily performance		Leverage Inverse Strategy daily performance

Final Value of Certificates	=	$t=0$	x	Final Reference Level x Final Exchange Rate	÷	Initial Reference Level x Initial Exchange Rate	x	Hedging Fee Factor
		Notional Amount						

### Illustration of the applicable fees and charges for an intraday trading scenario

Hedging Fee is implemented overnight in the price of the Certificate. As a consequence, when trading intraday within SGX-ST trading hours, investors will not bear any Hedging Fee.

Investors will only support bid/ask costs, which are the difference between the price at which the Designated Market Maker purchases (bid) and sells (ask) the Certificate at any point of time.

<sup>6</sup> "t" refers to "Observation Date" which means each Underlying Stock Business Day (subject to Market Disruption Event) from (and including) the Underlying Stock Business Day immediately preceding the Expected Listing Date to the Valuation Date on which no Market Disruption Event occurs.

<sup>7</sup> Leverage Inverse Strategy daily performance is computed as the Leverage Inverse Strategy Closing Level on Business Day (t) divided by the Leverage Inverse Strategy Closing Level on Business Day (t-1).

## Example of Calculation of Hedging Fee Factor and Cash Settlement Amount

*The example is purely hypothetical. We include the example to illustrate how the Certificates work, and you MUST NOT rely on them as any indication of the actual return or what the payout on the Certificates might actually be. The example also assumes a product which expires 16 days after listing date, to illustrate the daily calculation of price, costs and fees from listing date to expiry date.*

Assuming an investor purchases the following Certificates at the Issue Price:

Underlying Stock:	Class A Common Stock of Meta Platforms, Inc.
Expected Listing Date:	03/07/2018
Expiry Date:	18/07/2018
Initial Reference Level:	1,000
Initial Exchange Rate:	1
Final Reference Level:	1,200
Final Exchange Rate:	1
Issue Price:	4.00 SGD
Notional Amount per Certificate:	4.00 SGD
Management Fee (p.a.):	0.40%
Gap Premium (p.a.):	12.50%
Strike Level:	Zero

### Hedging Fee Factor

Hedging Fee Factor on the  $n^{\text{th}}$  Underlying Stock Business Day after issuance of Certificate ("HFF (n)") is calculated as follows:

$$\text{HFF}(0) = 100\%$$

On Next Calendar Day (assuming it is an Underlying Stock Business Day):

$$\text{HFF}(1) = \text{HFF}(0) \times \left(1 - \text{Management Fee} \times \frac{\text{ACT}(t-1; t)}{360}\right) \times \left(1 - \text{Gap Premium} \times \frac{\text{ACT}(t-1; t)}{360}\right)$$

$$\text{HFF}(1) = 100\% \times \left(1 - 0.40\% \times \frac{1}{360}\right) \times \left(1 - 12.50\% \times \frac{1}{360}\right)$$



$$\text{HFF (1)} = 100\% \times 99.9989\% \times 99.9653\% \approx 99.9642\%$$

Assuming 2<sup>nd</sup> Underlying Stock Business Day falls 3 Calendar Days after 1<sup>st</sup> Underlying Stock Business Day:

$$\text{HFF (2)} = \text{HFF (1)} \times \left(1 - \text{Management Fee} \times \frac{\text{ACT}(t-1;t)}{360}\right) \times \left(1 - \text{Gap Premium} \times \frac{\text{ACT}(t-1;t)}{360}\right)$$

$$\text{HFF (2)} = 99.9642\% \times \left(1 - 0.40\% \times \frac{3}{360}\right) \times \left(1 - 12.50\% \times \frac{3}{360}\right)$$

$$\text{HFF (2)} = 99.9642\% \times 99.9967\% \times 99.8958\% \approx 99.8567\%$$

The same principle applies to the following Underlying Stock Business Days:

$$\text{HFF (n)} = \text{HFF (n-1)} \times \left(1 - \text{Management Fee} \times \frac{\text{ACT}(t-1;t)}{360}\right) \times \left(1 - \text{Gap Premium} \times \frac{\text{ACT}(t-1;t)}{360}\right)$$

In this example, the Hedging Fee Factor as of the Valuation Date would be equal to 99.4638% as illustrated below:

Date	HFF
03/07/2018	100.0000%
04/07/2018	99.9642%
05/07/2018	99.9283%
06/07/2018	99.8925%
09/07/2018	99.7852%
10/07/2018	99.7494%
11/07/2018	99.7137%
12/07/2018	99.6779%
13/07/2018	99.6422%
16/07/2018	99.5351%
17/07/2018	99.4994%
18/07/2018	99.4638%

### Cash Settlement Amount

In this example, the Closing Level and the Cash Settlement Amount would be computed as follows:

$$\begin{aligned} \text{Closing Level} &= [(\text{Final Reference Level} \times \text{Final Exchange Rate}) / (\text{Initial Reference Level} \times \text{Initial Exchange Rate}) - \text{Strike Level}] \times \text{Hedging Fee Factor} \\ &= [(1200 \times 1) / (1000 \times 1) - 0] \times 99.4638\% \\ &= 119.36\% \end{aligned}$$

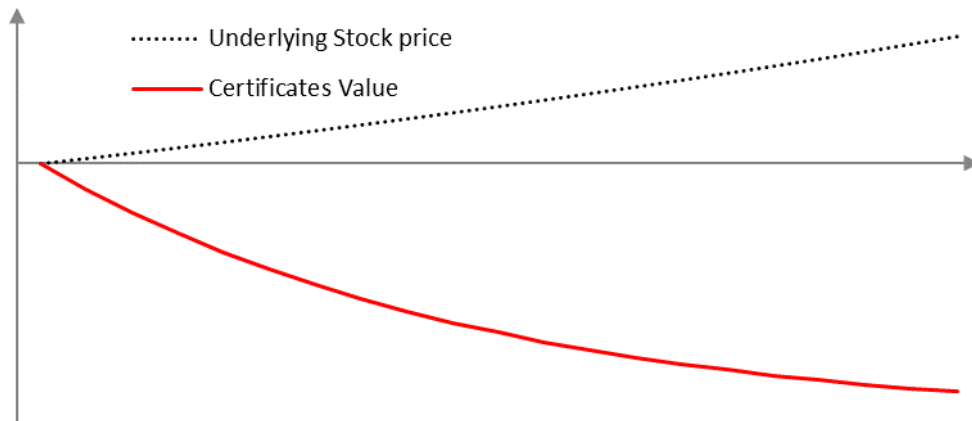
$$\begin{aligned} \text{Cash Settlement Amount} &= \text{Closing Level} \times \text{Notional Amount per Certificate} \\ &= 119.36\% \times 4.00 \text{ SGD} \\ &= 4.774 \text{ SGD} \end{aligned}$$

### Illustration on how returns and losses can occur under different scenarios

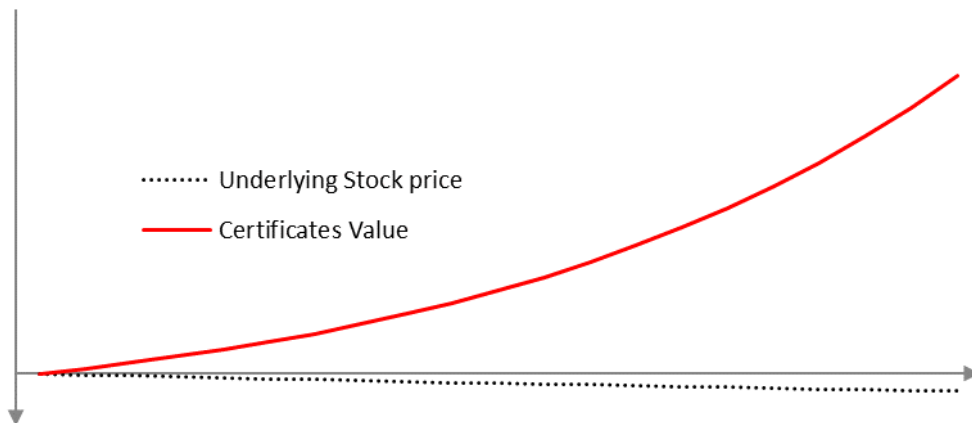
The examples are purely hypothetical and do not take fees and charges payable by investors into consideration. The examples highlight the effect of the Underlying Stock performance on the value of the Certificates and do not take into account the possible influence of fees or any other market parameters.

#### 1. Illustrative examples

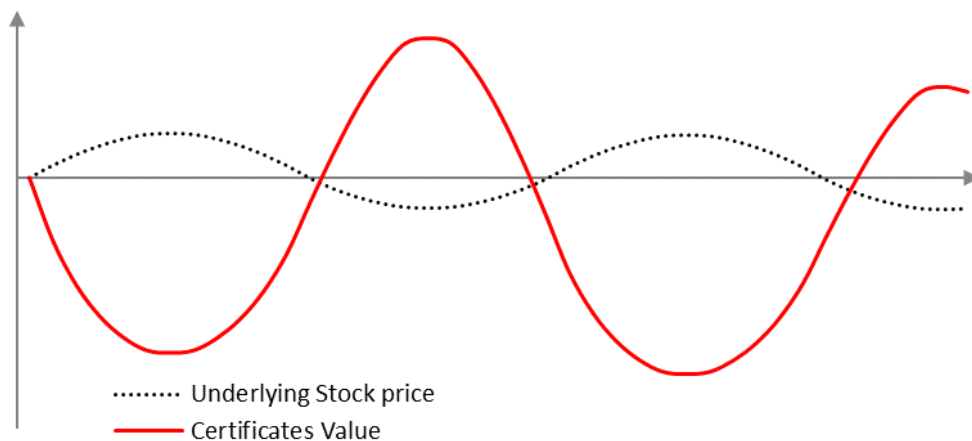
Scenario 1 – Upward Trend (during US trading hours)



Scenario 2 – Downward Trend (during US trading hours)



Scenario 3 – Volatile Market (during US trading hours)



## 2. Numerical Examples

### Scenario 1 – Upward Trend

<b>Underlying Stock</b>						
	Day 0	Day 1	Day 2	Day 3	Day 4	Day 5
Daily return		2.0%	2.0%	2.0%	2.0%	2.0%
Value at end of US trading day	10,000.0	10,200.0	10,404.0	10,612.1	10,824.3	11,040.8
Accumulated Return	0.00%	2.00%	4.04%	6.12%	8.24%	10.41%

<b>Value of the Certificates</b>						
	Day 0	Day 1	Day 2	Day 3	Day 4	Day 5
Daily return		-6.0%	-6.0%	-6.0%	-6.0%	-6.0%
Value at end of US trading day	4.00	3.76	3.53	3.32	3.12	2.94
Accumulated Return	0.00%	-6.00%	-11.64%	-16.94%	-21.93%	-26.61%

### Scenario 2 – Downward Trend

<b>Underlying Stock</b>						
	Day 0	Day 1	Day 2	Day 3	Day 4	Day 5
Daily return		-2.0%	-2.0%	-2.0%	-2.0%	-2.0%
Value at end of US trading day	10,000.0	9,800.0	9,604.0	9,411.9	9,223.7	9,039.2
Accumulated Return	0.00%	-2.00%	-3.96%	-5.88%	-7.76%	-9.61%

<b>Value of the Certificates</b>						
	Day 0	Day 1	Day 2	Day 3	Day 4	Day 5
Daily return		6.0%	6.0%	6.0%	6.0%	6.0%
Value at end of US trading day	4.00	4.24	4.49	4.76	5.05	5.35
Accumulated Return	0.00%	6.00%	12.36%	19.10%	26.25%	33.82%

### Scenario 3 – Volatile Market

<b>Underlying Stock</b>						
	Day 0	Day 1	Day 2	Day 3	Day 4	Day 5
Daily return		2.0%	-2.0%	2.0%	-2.0%	2.0%
Value at end of US trading day	10,000.0	10,200.0	9,996.0	10,195.9	9,992.0	10,191.8
Accumulated Return	0.00%	2.00%	-0.04%	1.96%	-0.08%	1.92%

<b>Value of the Certificates</b>						
	Day 0	Day 1	Day 2	Day 3	Day 4	Day 5
Daily return		-6.0%	6.0%	-6.0%	6.0%	-6.0%
Value at end of US trading day	4.00	3.76	3.99	3.75	3.97	3.73
Accumulated Return	0.00%	-6.00%	-0.36%	-6.34%	-0.72%	-6.68%

## Description of Air Bag Mechanism

The Certificates integrate an “Air Bag Mechanism” which is designed to reduce exposure to the Underlying Stock during extreme market conditions.

When the Air Bag triggers, the following events occur:

- **Observation Period:** the price of the Underlying Stock is observed and its maximum price is recorded (i) during 15 minutes of continuous trading after the Air Bag is triggered, or (ii) until Market Close if there is less than 15 minutes of continuous trading until Market Close when the Air Bag Mechanism is triggered; and thereafter
- **Reset Period:** the Leverage Inverse Strategy is reset using the maximum price of the Underlying Stock during the Observation Period as the New Observed Price. The New Observed Price replaces the last closing price of the Underlying Stock in order to compute the performance of the Leverage Inverse Strategy after the reset.

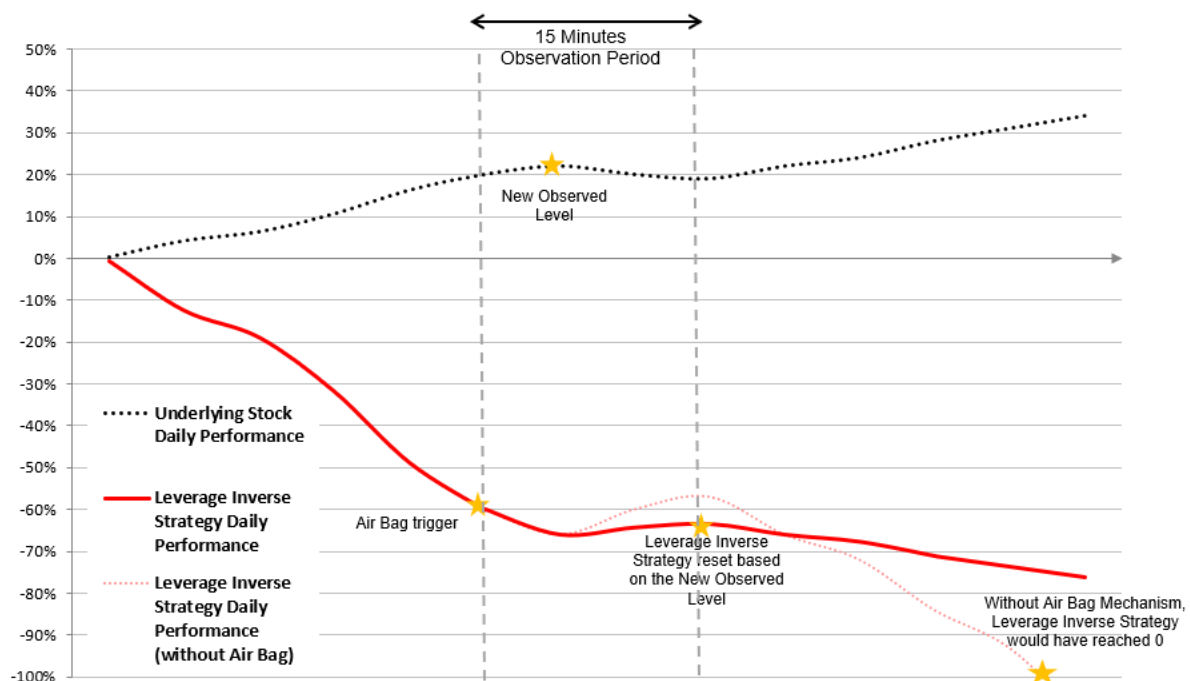
With **Market Close** defined as:

- the Underlying Stock closing time with respect to the Observation Period

The performance of the Leverage Inverse Strategy will be the inverse of the Underlying Stock.

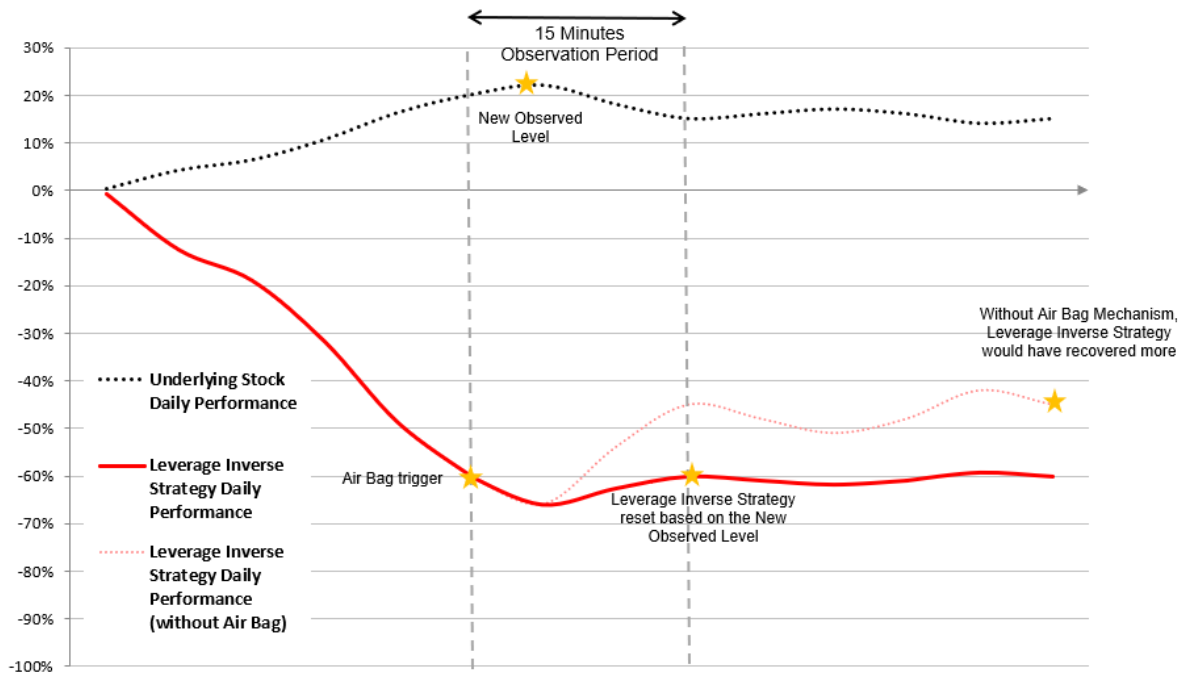
### Illustrative examples of the Air Bag Mechanism<sup>8</sup>

#### Scenario 1 – Upward Trend after Air Bag trigger (during US trading hours)

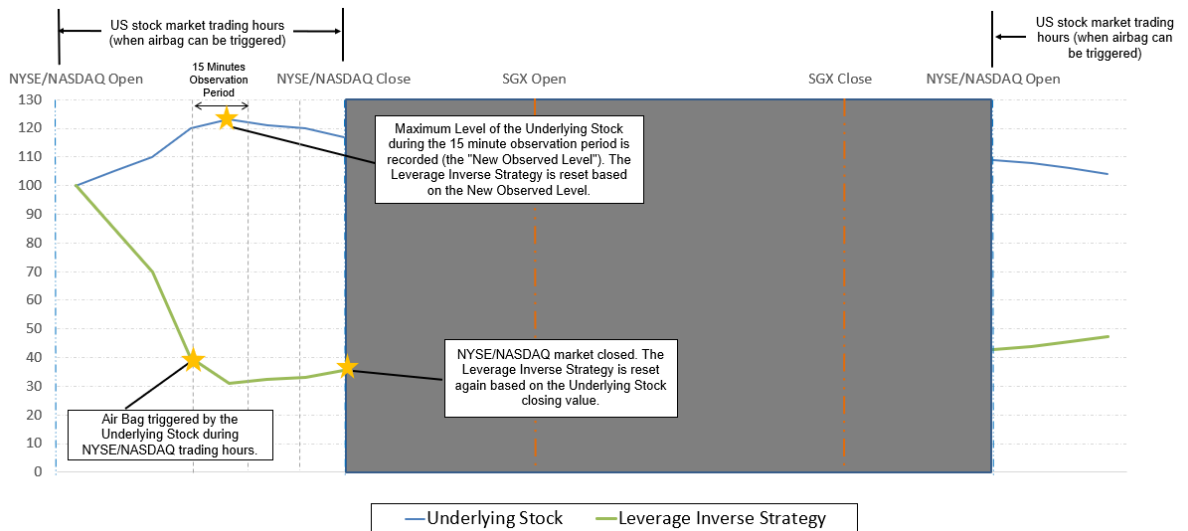


<sup>8</sup> The illustrative examples are not exhaustive. The illustrative examples above are designed to illustrate the impact of the Air Bag Mechanism on the assumption that there will be a residual value in the Certificates following the Air Bag triggers. Please refer to “Scenarios where the investor may lose the entire value of the investment” on pages 54 to 55 on hypothetical scenarios when investors may lose their entire value of the investment.

Scenario 2 – Downward Trend after Air Bag trigger (during US trading hours)



- The Air Bag Mechanism can only be triggered during trading hours of the Relevant Stock Exchange for the Underlying Stock

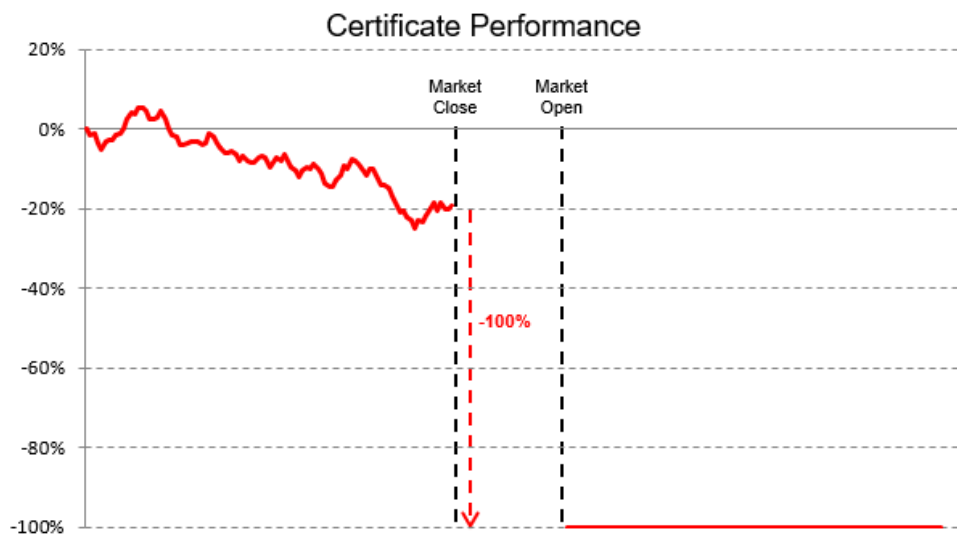
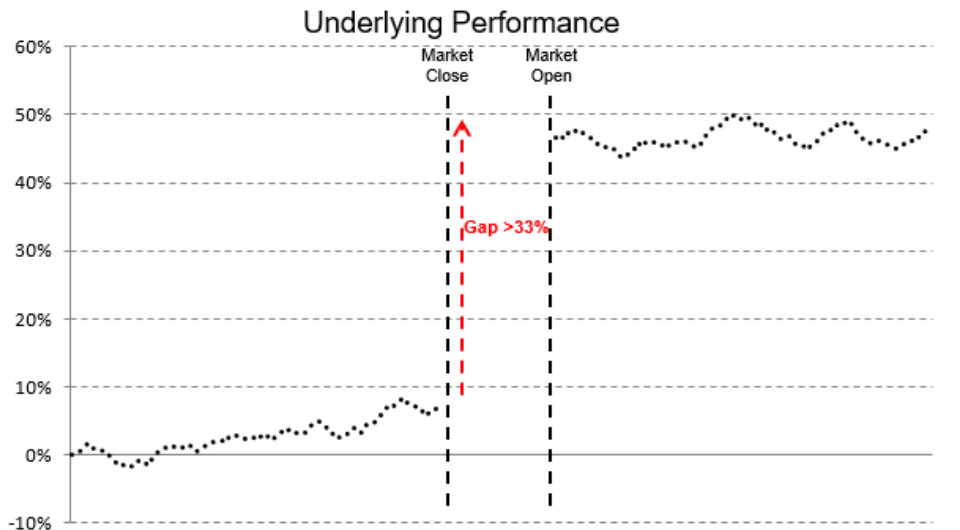


## Scenarios where the investor may lose the entire value of the investment

The scenarios below are purely hypothetical and do not take fees and charges payable by investors into consideration. The scenarios highlight cases where the Certificates may lose 100% of their value.

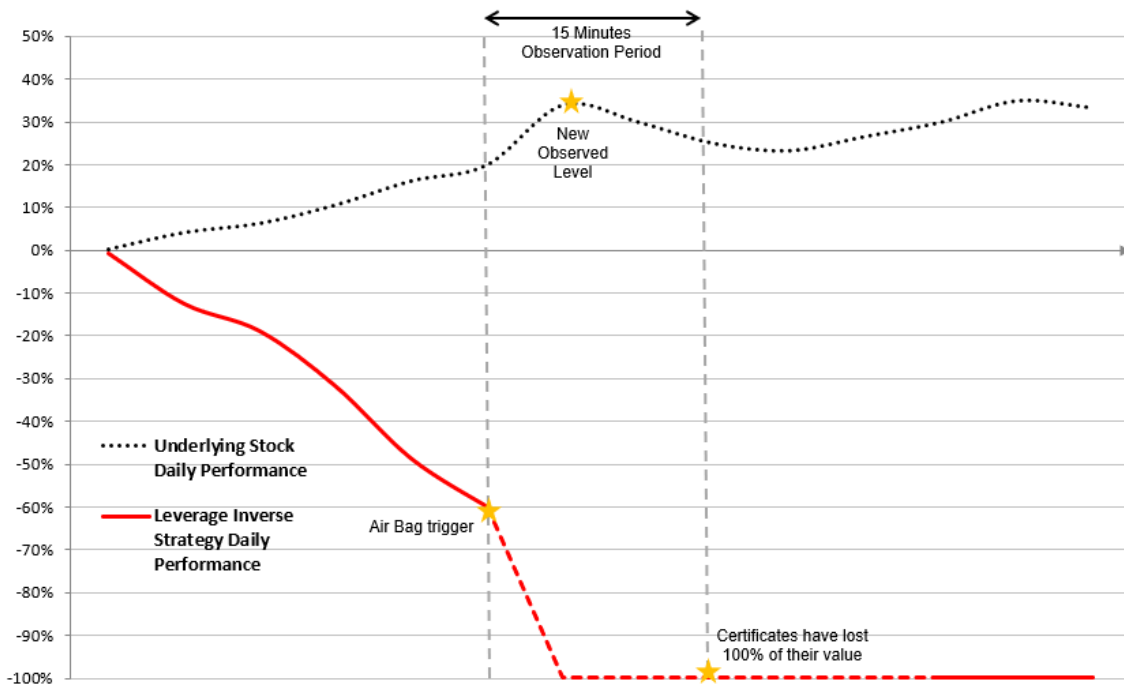
### Scenario 1 – Rise of the Underlying Stock outside of US trading hours

On any Underlying Stock Business Day, the opening price of the Underlying Stock may be higher or lower than the closing price on the previous trading day of the Relevant Stock Exchange for the Underlying Stock. The difference between the previous closing price and the opening price of the Underlying Stock is termed a “gap”. If the opening price of the Underlying Stock is approximately 33% or more above the closing price on the previous trading day of the Relevant Stock Exchange for the Underlying Stock, the Air Bag Mechanism may only be triggered during the trading hours of the Relevant Stock Exchange for the Underlying Stock, and the Certificates would lose their entire value in such event. In such case, as the Certificates became valueless during the US trading hours, at subsequent SGX-ST open, the DMM may not provide any quotation on the Certificates and the Issuer may apply to suspend trading of the Certificates.



Scenario 2 – Sharp intraday rise of the Underlying Stock during US trading hours

Although the Air Bag Mechanism is designed to reduce the exposure to the Underlying Stock during extreme market conditions, the Certificates can lose 100% of their value in the event the price of the Underlying Stock rises by approximately 33% or more within the 15 minutes Observation Period compared to the reference price, being: (i) if air bag has not been previously triggered on the same day, the previous closing price of the Underlying Stock, or (ii) if one or more air bag have been previously triggered on the same day, the latest New Observed Price. The Certificates would lose their entire value in such event. In such case, as the Certificates became valueless during the US trading hours, at subsequent SGX-ST open, the DMM may not provide any quotation on the Certificates and the Issuer may apply to suspend trading of the Certificates.



## Examples and illustrations of adjustments due to certain corporate actions

*The examples are purely hypothetical and do not take fees and charges payable by investors into consideration. The examples highlight the effect of corporate actions on the value of the Certificates and do not take into account the possible influence of fees, exchange rates, or any other market parameters.*

In the case of any corporate action on the Underlying Stock, the Calculation Agent will, as soon as reasonably practical after it becomes aware of such event, determine whether such corporate action has a dilutive or concentrative effect on the theoretical value of the Underlying Stock, and if so, will (a) calculate the corresponding adjustment, if any, to be made to the elements relating to the Underlying Stock which are used to determine any settlement or payment terms under the Certificates and/or adjust at its discretion any other terms of the Certificates as it determines appropriate to preserve the economic equivalent of the obligations of the Issuer under the Certificates and (b) determine the effective date of such adjustment.

Notwithstanding the foregoing, in the event Observation Date (t) is an ex-date with respect to a corporate action related to the Underlying Stock, the Calculation Agent may, in its sole and absolute discretion, replace the  $Rfactor_t$  with respect to such Observation Date (t) by an amount computed according to the following generic formula:

$$Rfactor_t = \left[ 1 - \frac{Div_t + DivExc_t - M \times R}{S_{t-1}} \right] \times \frac{1}{1 + M}$$

This formula is provided for indicative purposes and the Calculation Agent may determine that this formula is not appropriate for certain corporate actions and may apply a different formula instead.

Such adjustment of  $Rfactor_t$  would affect the Leveraged Return, the Rebalancing Cost, and the Underlying Reference Price used to determine the Intraday Restrike Event. The Air Bag Mechanism would not be triggered if the stock price rises by 20% exclusively because of the dilutive effect of a corporate action.

Where:

$DivExc_t$  is the amount received as an Extraordinary Dividend by a holder of existing Shares for each Share held prior to the Extraordinary Dividend, net of any applicable withholding taxes.

**M** is the number of new Share(s) (whether a whole or a fraction) per existing Share each holder thereof is entitled to subscribe or to receive (positive amount) or the number of existing Shares redeemed or canceled per existing Share (negative amount), as the case may be, resulting from the corporate action.

**R** is the subscription price per Share (positive amount) or the redemption price per Share (negative amount) including any dividends or other benefits forgone to be subscribe to or to receive (as applicable), or to redeem a Share.

### 1. Stock split

Assuming the Underlying Stock is subject to a 1 to 2 stock split (i.e. 1 new Share for every 1 existing share):

$$S_{t-1} = \$100$$

$$S_t = \$51$$

$$Div_t = \$0$$

$$DivExc_t = \$0$$



M = 1 (i.e. 1 new Shares for 1 existing Share)

R = \$0 (no subscription price / redemption price)

$$Rfactor_t = \left[ 1 - \frac{0 + 0 - 2 \times 0}{100} \right] \times \frac{1}{1 + 1} = 50\%$$

As a consequence:

$$LR_{t-1,t} = \text{Leverage} \times \left( \frac{S_t}{S_{t-1} \times Rfactor_t} - 1 \right) = -3 \times \left( \frac{51}{100 \times 50\%} - 1 \right) = -6\%$$

$S_{t-1}$	$S_{t-1} \times Rfactor_t$	$S_t$	Adjusted Underlying Stock Performance
100	50	51	2%

Value of the Certificate (t-1)	Value of the Certificate (t)	Certificates' performance (excluding any cost and fees)
4.00	3.76	-6%

In such case an Intraday Restrike Event would occur if the Underlying Stock price rises to \$60, which is 20% above \$50, the Underlying Stock Reference Price.

## 2. Share Consolidation

Assuming the Underlying Stock is subject to a 2 to 1 share consolidation (i.e. 1 Share canceled for every 2 existing Shares):

$$S_{t-1} = \$100$$

$$S_t = \$202$$

$$Div_t = \$0$$

$$DivExc_t = \$0$$

M = -0.5 (i.e. 0.5 Shares canceled for each 1 existing Share)

R = \$0 (no subscription price / redemption price)

$$Rfactor_t = \left[ 1 - \frac{0 + 0 - (-0.5) \times 0}{100} \right] \times \frac{1}{1 + (-0.5)} = 200\%$$

As a consequence:

$$LR_{t-1,t} = \text{Leverage} \times \left( \frac{S_t}{S_{t-1} \times Rfactor_t} - 1 \right) = -3 \times \left( \frac{202}{100 \times 200\%} - 1 \right) = -3\%$$

$S_{t-1}$	$S_{t-1} \times Rfactor_t$	$S_t$	Adjusted Underlying Stock Performance
100	200	202	1%

Value of the Certificate (t-1)	Value of the Certificate (t)	Certificates' performance (excluding any cost and fees)
4.00	3.88	-3%

In such case an Intraday Restrike Event would occur if the Underlying Stock price rises to \$240, which is 20% above \$200, the Underlying Stock Reference Price.

### 3. Rights Issues

Assuming there is a rights issue with respect to the Underlying Stock, with a right to receive 1 new Share for every 2 existing Shares, for a subscription price of \$40.

$$S_{t-1} = \$100$$

$$S_t = \$84$$

$$Div_t = \$0$$

$$DivExc_t = \$0$$

$$R = \$40 \text{ (i.e. subscription price of \$40)}$$

$$M = 0.5 \text{ (i.e. 1 new share for every 2 existing shares)}$$

$$Rfactor_t = \left[ 1 - \frac{0 + 0 - 0.5 \times 40}{100} \right] \times \frac{1}{1 + 0.5} = 80\%$$

As a consequence:

$$LR_{t-1,t} = \text{Leverage} \times \left( \frac{S_t}{S_{t-1} \times Rfactor_t} - 1 \right) = -3 \times \left( \frac{84}{100 \times 80\%} - 1 \right) = -15\%$$

$S_{t-1}$	$S_{t-1} \times Rfactor_t$	$S_t$	Adjusted Underlying Stock Performance
100	80	84	5%

Value of the Certificate (t-1)	Value of the Certificate (t)	Certificates' performance (excluding any cost and fees)
4.00	3.40	-15%

In such case an Intraday Restrike Event would occur if the Underlying Stock price rises to \$96, which is 20% above \$80, the Underlying Stock Reference Price.

#### 4. Bonus Issues

Assuming there is a bonus issue with respect to the Underlying Stock, where shareholders receive 1 bonus share for 5 existing shares:

$$S_{t-1} = \$100$$

$$S_t = \$85$$

$$\text{Div}_t = \$0$$

$$\text{DivExc}_t = \$0$$

$$R = \$0$$

$$M = 0.2 \text{ (i.e. 1 new share for 5 existing shares)}$$

$$Rfactor_t = \left[ 1 - \frac{0 + 0 - 0.2 \times 0}{100} \right] \times \frac{1}{1 + 0.2} = 83.33\%$$

As a consequence:

$$LR_{t-1,t} = \text{Leverage} \times \left( \frac{S_t}{S_{t-1} \times Rfactor_t} - 1 \right) = -3 \times \left( \frac{85}{100 \times 83.33\%} - 1 \right) = -6\%$$

$S_{t-1}$	$S_{t-1} \times Rfactor_t$	$S_t$	Adjusted Underlying Stock Performance
100	83.33	85	2%

Value of the Certificate (t-1)	Value of the Certificate (t)	Certificates' performance (excluding any cost and fees)
4.00	3.76	-6%

In such case an Intraday Restrike Event would occur if the Underlying Stock price rises to \$100, which is 20% above \$83.33, the Underlying Stock Reference Price.

#### 5. Extraordinary Dividend

Assuming there is an extraordinary dividend of \$20 (net of taxes) paid in respect of each stock.

$$S_{t-1} = \$100$$

$$S_t = \$84$$

$$\text{Div}_t = \$0$$

$$\text{DivExc}_t = \$20$$

$$R = \$0$$

$$M = 0$$

$$Rfactor_t = \left[ 1 - \frac{0 + 20 - 0 \times 0}{100} \right] \times \frac{1}{1 + 0} = 80\%$$

As a consequence:

$$LR_{t-1,t} = \text{Leverage} \times \left( \frac{S_t}{S_{t-1} \times Rfactor_t} - 1 \right) = -3 \times \left( \frac{84}{100 \times 80\%} - 1 \right) = -15\%$$

$S_{t-1}$	$S_{t-1} \times Rfactor_t$	$S_t$	Adjusted Underlying Stock Performance
100	80	84	5%

Value of the Certificate (t-1)	Value of the Certificate (t)	Certificates' performance (excluding any cost and fees)
4.00	3.40	-15%

In such case an Intraday Restrike Event would occur if the Underlying Stock price rises to \$96, which is 20% above \$80, the Underlying Stock Reference Price.

## INFORMATION RELATING TO THE COMPANY

*All information contained in this document regarding the Company, including, without limitation, its financial information, is derived from publicly available information which appears on the web-site of NASDAQ at [www.nasdaq.com](http://www.nasdaq.com) and/or the Company's web-site at <https://investor.fb.com/home/>. The Issuer has not independently verified any of such information.*

Meta Platforms, Inc. (the “**Company**”) operates as a social technology company. The Company builds applications and technologies that help people connect, find communities, and grow businesses. Meta Platform is also involved in advertisements, augmented, and virtual reality.

The information set out in the Appendix to this document relates to the quarterly report of the Company and its subsidiaries for the period ended 30 June 2024 and has been extracted and reproduced from an announcement by the Company released on 1 August 2024 in relation to the same. Further information relating to the Company may be located on the web-site of NASDAQ at [www.nasdaq.com](http://www.nasdaq.com).

## INFORMATION RELATING TO THE DESIGNATED MARKET MAKER

Société Générale has been appointed the designated market maker (“**DMM**”) for the Certificates. The DMM will provide competitive buy and sell quotes for the Certificates continuously during the trading hours of the SGX-ST on the following basis:

- (a) Maximum bid and offer spread : (i) when the best bid price of the Certificate is S\$10 and below: 10 ticks or S\$0.20 whichever is greater; and  
(ii) when the best bid price of the Certificate is above S\$10: 5% of the best bid price of the Certificate.
- (b) Minimum quantity subject to bid and offer spread : 10,000 Certificates
- (c) Last Trading Day for Market Making : The date falling 5 Business Days immediately preceding the Expiry Date

In addition, the DMM may not provide quotations in the following circumstances:

- (i) during the pre-market opening and five minutes following the opening of the SGX-ST on any trading day;
- (ii) if the Certificates are valueless (where the Issuer’s bid price is below the minimum bid size for such securities as prescribed by the SGX-ST);
- (iii) when trading in the Underlying Stock is suspended or limited in a material way for any reason (including price quote limits activated by the Relevant Stock Exchange for the Underlying Stock or otherwise<sup>9</sup>), for the avoidance of doubt, the DMM is not obliged to provide quotation for the Certificate at any time when the Underlying Stock is not negotiated/traded for any reason during the last trading session of the Relevant Stock Exchange for the Underlying Stock;
- (iv) when trading of the Underlying Stock on any Related Exchange, or access to pricing information of the Underlying Stock on any Related Exchange is suspended, not available, or limited in a material way for any reason (including price quote limits activated by the Related Exchange on such Underlying Stock or otherwise);
- (v) where the Certificates are suspended from trading for any reason including, but without limitation, as a result of trading in the Underlying Stock on any Related Exchange being suspended, or trading generally on any Related Exchange being suspended;
- (vi) market disruption events, including, without limitation, any suspension of or limitation imposed on trading (including but not limited to unforeseen circumstances such as by reason of movements in price exceeding limits permitted by the SGX-ST or the Relevant Stock Exchange for the Underlying Stock<sup>9</sup> or any Related Exchange for the Underlying Stock, or

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<sup>9</sup> Price quote limits activated by the Relevant Stock Exchange for the Underlying Stock are not applicable to the market making of the Certificates (as defined herein).

any act of God, war, riot, public disorder, explosion, terrorism or otherwise) in the Underlying Stock, or in trading of the Underlying Stock on any Related Exchange;

- (vii) where the Issuer or the DMM faces technical problems affecting the ability of the DMM to provide bids and offer quotations;
- (viii) where the ability of the Issuer to source a hedge or unwind an existing hedge, as determined by the Issuer in good faith, is materially affected by the prevailing market conditions, and the Issuer informs the SGX-ST of its inability to do so as soon as practicable;
- (ix) in cases where the Issuer has no Certificates to sell, then the DMM will only provide bid quotations. The DMM may provide intermittent offer quotations when it has inventory of the Certificates;
- (x) if the SGX-ST, the Relevant Stock Exchange for the Underlying Stock or any Related Exchange experiences exceptional price movement and volatility;
- (xi) when any Related Exchange(s) relating to the trading of the Underlying Stock and the Relevant Stock Exchange for the Underlying Stock are not open for dealings concurrently;
- (xii) when it is a public holiday in Singapore and the SGX-ST is not open for dealings; and
- (xiii) during trading hours of the SGX-ST on any Business Day when it is a public holiday in the United States and the Relevant Stock Exchange for the Underlying Stock is not open for dealings.

The last trading day on which the DMM will provide competitive quotations for the Certificates would be the fifth Business Day immediately preceding the Expiry Date.

## SUPPLEMENTAL GENERAL INFORMATION

The information set out herein is supplemental to, and should be read in conjunction with the information set out in the Base Listing Document.

1. Save as disclosed in this document and the Base Listing Document, neither the Issuer nor the Guarantor is involved in any legal or arbitration proceedings (including any proceedings which are pending or threatened of which the Issuer or the Guarantor is aware) which may have or have had in the previous 12 months a significant effect on the financial position of the Issuer or the Guarantor in the context of the issuance of the Certificates.
2. Settlement of trades done on a normal “ready basis” on the SGX-ST generally take place on the second Business Day following the transaction. Dealing in the Certificates will take place in Board Lots in Singapore Dollar. For further details on the transfer of Certificates and their exercise, please refer to the section headed “Summary of the Issue” above.
3. It is not the current intention of the Issuer to apply for a listing of the Certificates on any stock exchange other than the SGX-ST.
4. Save as disclosed in the Base Listing Document and herein, there has been no material adverse change in the financial position or prospects of the Issuer since 30 June 2024 or the Guarantor since 30 June 2024, in the context of the issuance of Certificates hereunder.
5. The following contracts, relating to the issue of the Certificates, have been or will be entered into by the Issuer and/or the Guarantor and may be material to the issue of the Certificates:
  - (a) the Guarantee;
  - (b) the Master Instrument; and
  - (c) the Master Warrant Agent Agreement.

None of the directors of the Issuer and the Guarantor has any direct or indirect interest in any of the above contracts.

6. The reports of the Auditors of the Issuer and the Guarantor were not prepared exclusively for incorporation into this document.

The Auditors of the Issuer and the Guarantor have no shareholding in the Issuer or the Guarantor or any of its subsidiaries, nor do they have the right (whether legally enforceable or not) to subscribe for or to nominate persons to subscribe for securities of the Issuer or the Guarantor or any of its subsidiaries.
7. The Certificates are not fully covered by the Underlying Stock held by Issuer or a trustee for and on behalf of the Issuer. The Issuer has appropriate risk management capabilities to manage the issue of the Certificates.
8. Société Générale, Singapore Branch, currently of 8 Marina Boulevard, #12-01 Marina Bay Financial Centre Tower 1, Singapore 018981, has been authorised to accept, on behalf of the Issuer and the Guarantor, service of process and any other notices required to be served on the Issuer or the Guarantor. Any notices required to be served on the Issuer or the Guarantor should be sent to Société Générale at the above address for the attention of Société Générale Legal Department.
9. Copies of the following documents may be inspected during usual business hours on any weekday (Saturdays, Sundays and holidays excepted) at the offices of Société Générale,



Singapore Branch at 8 Marina Boulevard, #12-01 Marina Bay Financial Centre Tower 1, Singapore 018981, during the period of 14 days from the date of this document:

- (a) the Memorandum and Articles of Association of the Issuer and the Constitutional Documents of the Guarantor;
- (b) the latest financial reports (including the notes thereto) of the Issuer;
- (c) the latest financial reports (including the notes thereto) of the Guarantor;
- (d) the Base Listing Document (which can also be viewed at: <https://www.sgx.com/securities/prospectus-circulars-offer-documents>);
- (e) this document; and
- (f) the Guarantee.

## PLACING AND SALE

### General

No action has been or will be taken by the Issuer that would permit a public offering of the Certificates or possession or distribution of any offering material in relation to the Certificates in any jurisdiction where action for that purpose is required. No offers, sales or deliveries of any Certificates, or distribution of any offering material relating to the Certificates may be made in or from any jurisdiction except in circumstances which will result in compliance with any applicable laws or regulations and will not impose any obligation on the Issuer. In the event that the Issuer contemplates a placing, placing fees may be payable in connection with the issue and the Issuer may at its discretion allow discounts to placees.

Each Certificate Holder undertakes that it will inform any subsequent purchaser of the terms and conditions of the Certificates and all such subsequent purchasers as may purchase such securities from time to time shall be deemed to be a Certificate Holder for the purposes of the Certificates and shall be bound by the terms and conditions of the Certificates.

### Singapore

This document has not been registered as a prospectus with the Monetary Authority of Singapore. Accordingly, this document and any other document or material in connection with the offer or sale, or invitation for subscription or purchase, of Certificates may not be circulated or distributed, nor may Certificates be offered or sold, or be made the subject of an invitation for subscription or purchase, whether directly or indirectly, to persons in Singapore other than pursuant to, and in accordance with the conditions of, any applicable provision of the Securities and Futures Act 2001 of Singapore.

### Hong Kong

Each dealer has represented and agreed, and each further dealer appointed in respect of the Certificates and each other purchaser will be required to represent and agree, that:

- (a) it has not offered or sold and will not offer or sell in Hong Kong, by means of any document, any Certificates (except for Certificates which are a "structured product" as defined in the Securities and Futures Ordinance (Cap.571) of Hong Kong ("SFO")) other than (i) to "professional investors" as defined in the SFO and any rules made under the SFO; or (ii) in other circumstances which do not result in the document being a "prospectus", as defined in the Companies (Winding Up and Miscellaneous Provisions) Ordinance (Cap. 32) of Hong Kong ("CWUMPO") or which do not constitute an offer to the public within the meaning of the CWUMPO; and
- (b) it has not issued or had in its possession for the purposes of issue, and will not issue or have in its possession for the purposes of issue, whether in Hong Kong or elsewhere, any advertisement, invitation or document relating to the Certificates, which is directed at, or the contents of which are likely to be accessed or read by, the public of Hong Kong (except if permitted to do so under the securities laws of Hong Kong) other than with respect to Certificates which are or are intended to be disposed of only to persons outside Hong Kong or only to "professional investors" as defined in the SFO and any rules made under the SFO.

### European Economic Area

Each dealer represents and agrees, and each further dealer appointed in respect of the Certificates will be required to represent and agree, that it has not offered, sold or otherwise made

available and will not offer, sell, or otherwise make available any Certificates which are the subject of the offering as contemplated by this document to any retail investor in the European Economic Area. For the purposes of this provision:

- (a) the expression “**retail investor**” means a person who is one (or more) of the following:
  - (i) a retail client as defined in point (11) of Article 4(1) of Directive 2014/65/EU (as amended, “**MiFID II**”); or
  - (ii) a customer within the meaning of Directive (EU) 2016/97 (as amended, the Insurance Distribution Directive), where that customer would not qualify as a professional client as defined in point (10) of Article 4(1) of MiFID II; or
  - (iii) not a qualified investor as defined in Regulation (EU) 2017/1129 (as amended and superseded, the Prospectus Regulation); and
- (b) the expression “**offer**” includes the communication in any form and by any means of sufficient information on the terms of the offer and the Certificates to be offered so as to enable an investor to decide to purchase or subscribe for the Certificates.

### **United Kingdom**

Each dealer represents and agrees, and each further dealer appointed in respect of the Certificates will be required to represent and agree, that it has not offered, sold or otherwise made available and will not offer, sell or otherwise make available any Certificates which are the subject of the offering as contemplated by this document to any retail investor in the United Kingdom. For the purposes of this provision:

- (a) the expression “**retail investor**” means a person who is one (or more) of the following:
  - (i) a retail client, as defined in point (8) of Article 2 of Regulation (EU) No 2017/565 as it forms part of domestic law by virtue of the European Union (Withdrawal) Act 2018 (“**EUWA**”); or
  - (ii) a customer within the meaning of the provisions of the Financial Services and Markets Act, as amended (the “**FSMA**”) and any rules or regulations made under the FSMA to implement Directive (EU) 2016/97, where that customer would not qualify as a professional client, as defined in point (8) of Article 2(1) of Regulation (EU) No 600/2014 as it forms part of domestic law by virtue of the EUWA; or
  - (iii) not a qualified investor as defined in Article 2 of Regulation (EU) 2017/1129 as it forms part of domestic law by virtue of the EUWA; and
- (b) the expression an “**offer**” includes the communication in any form and by any means of sufficient information on the terms of the offer and the Certificates to be offered so as to enable an investor to decide to purchase or subscribe for the Certificates.

Each dealer further represents and agrees, and each further dealer appointed in respect of the Certificates will be required to further represent and agree, that:

- (a) in respect to Certificates having a maturity of less than one year: (i) it is a person whose ordinary activities involve it in acquiring, holding, managing or disposing of investments (as principal or agent) for the purposes of its business; and (ii) it has not offered or sold and will not offer or sell any Certificates other than to persons whose ordinary activities involve them in acquiring, holding, managing or disposing of investments (as principal or agent) for the purposes of their businesses or who it is reasonable to expect will acquire, hold, manage or

dispose of investments (as principal or agent) for the purposes of their businesses where the issue of the Certificates would otherwise constitute a contravention of Section 19 of the FSMA by the Issuer;

- (b) it has only communicated or caused to be communicated and will only communicate or cause to be communicated an invitation or inducement to engage in investment activity (within the meaning of section 21 of the FSMA) received by it in connection with the issue or sale of any Certificates in circumstances in which section 21(1) of the FSMA does not apply to the Issuer or the Guarantor; and
- (c) it has complied and will comply with all applicable provisions of the FSMA with respect to anything done by it in relation to any Certificates in, from or otherwise involving the United Kingdom.

### **United States**

The Certificates and the Guarantee have not been and will not be registered under the United States Securities Act of 1933, as amended (the “**Securities Act**”) or any state securities law, and trading in the Certificates has not been approved by the United States Commodity Futures Trading Commission (the “**CFTC**”) under the United States Commodity Exchange Act of 1936, as amended (the “**Commodity Exchange Act**”) and the Issuer has not been and will not be registered as an investment company under the United States Investment Company Act of 1940, as amended, and the rules and regulations thereunder. None of the Securities and Exchange Commission, any state securities commission or regulatory authority or any other United States, French or other regulatory authority has approved or disapproved of the Certificates or the Guarantee or passed upon the accuracy or adequacy of this document. Accordingly, Certificates, or interests therein, may not at any time be offered, sold, resold, traded, pledged, exercised, redeemed, transferred or delivered, directly or indirectly, in the United States or to, or for the account or benefit of, U.S. persons, nor may any U.S. person at any time trade, own, hold or maintain a position in the Certificates or any interests therein. In addition, in the absence of relief from the CFTC, offers, sales, re-sales, trades, pledges, exercises, redemptions, transfers or deliveries of Certificates, or interests therein, directly or indirectly, in the United States or to, or for the account or benefit of, U.S. persons, may constitute a violation of United States law governing commodities trading and commodity pools. Consequently, any offer, sale, resale, trade, pledge, exercise, redemption, transfer or delivery made, directly or indirectly, within the United States or to, or for the account or benefit of, a U.S. person will not be recognised.

Each dealer has represented and agreed, and each further dealer will be required to represent and agree, that it has not and will not at any time offer, sell, resell, trade, pledge, exercise, redeem, transfer or deliver, directly or indirectly, Certificates in the United States or to, or for the account or benefit of, any U.S. person or to others for offer, sale, resale, trade, pledge, exercise, redeem, transfer or delivery, directly or indirectly, in the United States or to, or for the account or benefit of, any such U.S. person. Any person purchasing Certificates of any tranches must agree with the relevant dealer or the seller of such Certificates that (i) it is not a U.S. Person, (ii) it will not at any time offer, sell, resell, trade, pledge, exercise, redeem, transfer or deliver, directly or indirectly, any Certificates in the United States or to, or for the account or benefit of, any U.S. person or to others for offer, sale, resale, trade, pledge, exercise, redemption, transfer or delivery, directly or indirectly, in the United States or to, or for the account or benefit of, any U.S. person, and (iii) it is not purchasing any Certificates, directly or indirectly, in the United States or for the account or benefit of any U.S. person.

Exercise or otherwise redemption of Certificates will be conditional upon certification that each person exercising or otherwise redeeming a Certificate is not a U.S. person or in the United States and that the Certificate is not being exercised or otherwise redeemed on behalf of a U.S.

person. No payment will be made to accounts of holders of the Certificates located in the United States.

As used in the preceding paragraphs, the term “**United States**” includes the territories, the possessions and all other areas subject to the jurisdiction of the United States of America, and the term “**U.S. person**” means any person who is (i) a U.S. person as defined under Regulation S under the Securities Act, (ii) a U.S. person as defined in paragraph 7701(a)(30) of the Internal Revenue Code of 1986 (iii) a person who comes within any definition of U.S. person for the purposes of the United States Commodity Exchange Act of 1936, as amended (the “**CEA**”) or any rules thereunder of the CFTC (the “**CFTC Rules**”), guidance or order proposed or issued under the CEA (for the avoidance of doubt, any person who is not a “Non-United States person” defined under CFTC Rule 4.7(a)(1)(iv), but excluding, for purposes of subsection (D) thereof, the exception for qualified eligible persons who are not “Non-United States persons”, shall be considered a U.S. person), or (iv) a U.S. Person for purposes of the final rules implementing the credit risk retention requirements of Section 15G of the U.S. Securities Exchange Act of 1934, as amended.

## **APPENDIX**

### **REPRODUCTION OF THE QUARTERLY REPORT FOR THE PERIOD ENDED 30 JUNE 2024 OF META PLATFORMS, INC. AND ITS SUBSIDIARIES**

The information set out below is a reproduction of the quarterly report of the Company and its subsidiaries for the period ended 30 June 2024 and has been extracted and reproduced from an announcement by the Company released on 1 August 2024 in relation to the same.

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

FORM 10-Q

- (Mark One)
- QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934  
For the quarterly period ended June 30, 2024  
or  
 TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934  
For the transition period from to  
Commission File Number: 001-35551



**Meta Platforms, Inc.**  
(Exact name of registrant as specified in its charter)

**Delaware**  
(State or other jurisdiction of incorporation or organization)

**20-1665019**  
(I.R.S. Employer Identification Number)

**1 Meta Way, Menlo Park, California 94025**  
(Address of principal executive offices and Zip Code)

**(650) 543-4800**  
(Registrant's telephone number, including area code)

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading symbol(s)	Name of each exchange on which registered
Class A Common Stock, \$0.000006 par value	META	The Nasdaq Stock Market LLC

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 (Exchange Act) during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes  No

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes  No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer	<input checked="" type="checkbox"/>	Accelerated filer	<input type="checkbox"/>
Non-accelerated filer	<input type="checkbox"/>	Smaller reporting company	<input type="checkbox"/>
		Emerging growth company	<input type="checkbox"/>

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes  No

Indicate the number of shares outstanding of each of the issuer's classes of Common Stock, as of the latest practicable date.

Class	Number of Shares Outstanding
Class A Common Stock \$0.000006 par value	2,184,728,795 shares outstanding as of July 26, 2024
Class B Common Stock \$0.000006 par value	345,087,958 shares outstanding as of July 26, 2024

**Meta Platforms, Inc.**  
**Form 10-Q**  
**For the Quarterly Period Ended June 30, 2024**

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## NOTE ABOUT FORWARD-LOOKING STATEMENTS

This Quarterly Report on Form 10-Q contains forward-looking statements. All statements contained in this Quarterly Report on Form 10-Q other than statements of historical fact, including statements regarding our future results of operations and financial position, our business strategy and plans, and our objectives for future operations, are forward-looking statements. The words "believe," "may," "will," "estimate," "continue," "anticipate," "intend," "expect," and similar expressions are intended to identify forward-looking statements. We have based these forward-looking statements largely on our current expectations and projections about future events and trends that we believe may affect our financial condition, results of operations, business strategy, short-term and long-term business operations and objectives, and financial needs. These forward-looking statements are subject to a number of risks, uncertainties and assumptions, including those described in Part II, Item 1A, "Risk Factors" in this Quarterly Report on Form 10-Q. Moreover, we operate in a very competitive and rapidly changing environment. New risks emerge from time to time. It is not possible for our management to predict all risks, nor can we assess the impact of all factors on our business or the extent to which any factor, or combination of factors, may cause actual results to differ materially from those contained in any forward-looking statements we may make. In light of these risks, uncertainties and assumptions, the future events and trends discussed in this Quarterly Report on Form 10-Q may not occur and actual results could differ materially and adversely from those anticipated or implied in the forward-looking statements.

We undertake no obligation to revise or publicly release the results of any revision to these forward-looking statements, except as required by law. Given these risks and uncertainties, readers are cautioned not to place undue reliance on such forward-looking statements.

Unless expressly indicated or the context requires otherwise, the terms "Meta," "company," "we," "us," and "our" in this document refer to Meta Platforms, Inc., a Delaware corporation, and, where appropriate, its subsidiaries. The term "Family" refers to our Facebook, Instagram, Messenger, and WhatsApp products. For references to accessing Meta's products on the "web" or via a "website," such terms refer to accessing such products on personal computers. For references to accessing Meta's products on "mobile," such term refers to accessing such products via a mobile application or via a mobile-optimized version of our websites such as m.facebook.com, whether on a mobile phone or tablet.

## LIMITATIONS OF KEY METRICS AND OTHER DATA

### Family Metrics

The numbers for our key metrics are calculated using internal company data based on the activity of user accounts. We report our estimates of the numbers of our daily active people (DAP) and average revenue per person (ARPP) (collectively, our "Family metrics") based on the activity of users who visited at least one of Facebook, Instagram, Messenger, and WhatsApp (collectively, our "Family" of products) during the applicable period of measurement.

While these numbers are based on what we believe to be reasonable estimates of our user base for the applicable period of measurement, there are inherent challenges in measuring usage of our products across large online and mobile populations around the world. The methodologies used to measure these metrics require significant judgment and are also susceptible to algorithm or other technical errors. In addition, we are continually seeking to improve our estimates of our user base, and such estimates may change due to improvements or changes in our methodology. We regularly review our processes for calculating these metrics, and from time to time we discover inaccuracies in our metrics or make adjustments to improve their accuracy, which can result in adjustments to our historical metrics. Our ability to recalculate our historical metrics may be impacted by data limitations or other factors that require us to apply different methodologies for such adjustments. We generally do not intend to update previously disclosed Family metrics for any such inaccuracies or adjustments that are within the error margins disclosed below.

In addition, our Family metrics estimates will differ from estimates published by third parties due to differences in methodology or other factors such as data limitations or other challenges in measuring large online and mobile populations. For example, our methodologies include measurements of our user base that have in some instances exceeded estimates of addressable online and mobile populations that are based on data published by third parties.

Many people in our community have user accounts on more than one of our products, and some people have multiple user accounts within an individual product. Accordingly, for our Family metrics, we do not seek to count the total number of user accounts across our products because we believe that would not reflect the actual size of our community. Rather, our Family metrics represent our estimates of the number of unique people using at least one of Facebook, Instagram, Messenger, and WhatsApp. We do not require people to use a common identifier or link their accounts to use multiple products in our Family, and therefore must seek to attribute multiple user accounts within and across products to individual people. To calculate these metrics, we rely upon complex techniques, algorithms and machine learning models that seek to count the individual people behind user accounts, including by matching multiple user accounts within an individual product and across multiple products when we believe they are attributable to a single person, and counting such group of accounts as one person. These techniques and models require significant judgment, are subject to data and other limitations discussed below, and inherently are subject to statistical variances and uncertainties. We estimate the potential error in our Family metrics primarily based on user survey data as described further below, which itself is subject to error as well. While we expect the error margin for our Family metrics to vary from period to period, we estimate that such margin generally will be approximately 3% of our worldwide DAP. At our scale, it is very difficult to attribute multiple user accounts within and across products to individual people, and it is possible that the actual numbers of unique people using our products may vary significantly from our estimates, potentially beyond our estimated error margins. As a result, it is also possible that our Family metrics may indicate changes or trends in user numbers that do not match actual changes or trends.

To calculate our estimates of DAP, we currently use a series of machine learning models that are developed based on internal reviews of limited samples of user accounts and calibrated against user survey data. We apply significant judgment in designing these models and calculating these estimates. For example, to match user accounts within individual products and across multiple products, we use data signals such as similar device information, IP addresses, and user names. We also calibrate our models against data from periodic user surveys of varying sizes and frequency across our products, which survey questions are based on monthly usage, and which are inherently subject to error. The timing and results of such user surveys have in the past contributed, and may in the future contribute, to changes in our reported Family metrics from period to period. In addition, our data limitations may affect our understanding of certain details of our business and increase the risk of error for our Family metrics estimates. Our techniques and models rely on a variety of data signals from different products, and we rely on more limited data signals for some products compared to others. For example, as a result of limited visibility into encrypted products, we have fewer data signals from WhatsApp user accounts and primarily rely on phone numbers and device information to match WhatsApp user accounts with accounts on our other products. Any loss of access to data signals

we use in our process for calculating Family metrics, whether as a result of our own product decisions, actions by third-party browser or mobile platforms, regulatory or legislative requirements, or other factors, also may impact the stability or accuracy of our reported Family metrics, as well as our ability to report these metrics at all. Our estimates of Family metrics also may change as our methodologies evolve, including through the application of new data signals or technologies, product changes, or other improvements in our user surveys, algorithms, or machine learning that may improve our ability to match accounts within and across our products or otherwise evaluate the broad population of our users. In addition, such evolution may allow us to identify previously undetected violating accounts (as defined below).

We regularly evaluate our Family metrics to estimate the percentage of our DAP consisting solely of "violating" accounts. We define "violating" accounts as accounts which we believe are intended to be used for purposes that violate our terms of service, including bots and spam. In the first quarter of 2024, we estimated that less than 3% of our worldwide DAP consisted solely of violating accounts. Such estimation is based on an internal review of a limited sample of accounts, and we apply significant judgment in making this determination. For example, we look for account information and behaviors associated with Facebook and Instagram accounts that appear to be inauthentic to the reviewers, but we have limited visibility into WhatsApp user activity due to encryption. In addition, if we believe an individual person has one or more violating accounts, we do not include such person in our violating accounts estimation as long as we believe they have one account that does not constitute a violating account. From time to time, we disable certain user accounts, make product changes, or take other actions to reduce the number of violating accounts among our users, which may also reduce our DAP estimates in a particular period. We intend to disclose our estimates of the percentage of our DAP consisting solely of violating accounts on an annual basis in our Annual Report on Form 10-K. Violating accounts are very difficult to measure at our scale, and it is possible that the actual number of violating accounts may vary significantly from our estimates.

### **User Geography**

Our estimates for revenue by user location, as well as year-over-year percentage changes in ad impressions delivered and the average price per ad by user location, are also affected by data limitations and other challenges in measuring user geography. Our data regarding the geographic location of our users is estimated based on a number of factors, such as the user's IP address and self-disclosed location. These factors may not always accurately reflect the user's actual location. For example, a user may appear to be accessing our products from the location of the proxy server that the user connects to rather than from the user's actual location. The methodologies used to measure our metrics are also susceptible to algorithm or other technical errors.

**PART I—FINANCIAL INFORMATION****Item 1. Financial Statements**

**META PLATFORMS, INC.**  
**CONDENSED CONSOLIDATED BALANCE SHEETS**  
*(In millions, except for number of shares and par value)*  
*(Unaudited)*

	June 30, 2024	December 31, 2023
<b>Assets</b>		
Current assets:		
Cash and cash equivalents	\$ 32,045	\$ 41,862
Marketable securities	26,035	23,541
Accounts receivable, net	14,505	16,169
Prepaid expenses and other current assets	3,846	3,793
Total current assets	76,431	85,365
Non-marketable equity securities	6,207	6,141
Property and equipment, net	102,959	96,587
Operating lease right-of-use assets	14,058	13,294
Goodwill	20,654	20,654
Other assets	9,929	7,582
<b>Total assets</b>	<b>\$ 230,238</b>	<b>\$ 229,623</b>
<b>Liabilities and stockholders' equity</b>		
Current liabilities:		
Accounts payable	\$ 3,173	\$ 4,849
Operating lease liabilities, current	1,917	1,623
Accrued expenses and other current liabilities	21,914	25,488
Total current liabilities	27,004	31,960
Operating lease liabilities, non-current	17,685	17,226
Long-term debt	18,389	18,385
Long-term income taxes	7,897	7,514
Other liabilities	2,500	1,370
Total liabilities	73,475	76,455
Commitments and contingencies		
Stockholders' equity:		
Common stock, \$0.000006 par value; 5,000 million Class A shares authorized, 2,188 million and 2,211 million shares issued and outstanding, as of June 30, 2024 and December 31, 2023, respectively; 4,141 million Class B shares authorized, 345 million and 350 million shares issued and outstanding, as of June 30, 2024 and December 31, 2023, respectively	—	—
Additional paid-in capital	78,270	73,253
Accumulated other comprehensive loss	(2,695)	(2,155)
Retained earnings	81,188	82,070
Total stockholders' equity	156,763	153,168
<b>Total liabilities and stockholders' equity</b>	<b>\$ 230,238</b>	<b>\$ 229,623</b>

*See Accompanying Notes to Condensed Consolidated Financial Statements.*

**META PLATFORMS, INC.**  
**CONDENSED CONSOLIDATED STATEMENTS OF INCOME**  
*(In millions, except per share amounts)*  
*(Unaudited)*

	Three Months Ended June 30,		Six Months Ended June 30,	
	2024	2023	2024	2023
<b>Revenue</b>	\$ 39,071	\$ 31,999	\$ 75,527	\$ 60,645
<b>Costs and expenses:</b>				
Cost of revenue	7,308	5,945	13,948	12,054
Research and development	10,537	9,344	20,515	18,725
Marketing and sales	2,721	3,154	5,285	6,198
General and administrative	3,658	4,164	7,114	7,049
<b>Total costs and expenses</b>	<b>24,224</b>	<b>22,607</b>	<b>46,862</b>	<b>44,026</b>
<b>Income from operations</b>	<b>14,847</b>	<b>9,392</b>	<b>28,665</b>	<b>16,619</b>
Interest and other income (expense), net	259	(99)	624	(19)
Income before provision for income taxes	15,106	9,293	29,289	16,600
Provision for income taxes	1,641	1,505	3,455	3,102
<b>Net income</b>	<b>\$ 13,465</b>	<b>\$ 7,788</b>	<b>\$ 25,834</b>	<b>\$ 13,498</b>
<b>Earnings per share:</b>				
Basic	\$ 5.31	\$ 3.03	\$ 10.17	\$ 5.24
Diluted	\$ 5.16	\$ 2.98	\$ 9.86	\$ 5.18
<b>Weighted-average shares used to compute earnings per share:</b>				
Basic	2,534	2,568	2,540	2,577
Diluted	2,610	2,612	2,619	2,604

*See Accompanying Notes to Condensed Consolidated Financial Statements.*

**META PLATFORMS, INC.**  
**CONDENSED CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME**  
*(In millions)*  
*(Unaudited)*

	Three Months Ended June 30,		Six Months Ended June 30,	
	2024	2023	2024	2023
<b>Net income</b>	\$ 13,465	\$ 7,788	\$ 25,834	\$ 13,498
<b>Other comprehensive income (loss):</b>				
Change in foreign currency translation adjustment, net of tax	(149)	(37)	(694)	211
Change in unrealized gain (loss) on available-for-sale investments and other, net of tax	109	(88)	154	213
<b>Comprehensive income</b>	\$ 13,425	\$ 7,663	\$ 25,294	\$ 13,922

*See Accompanying Notes to Condensed Consolidated Financial Statements.*

**META PLATFORMS, INC.**  
**CONDENSED CONSOLIDATED STATEMENTS OF STOCKHOLDERS' EQUITY**  
*(In millions, except per share amounts)*  
*(Unaudited)*

	Three Months Ended June 30, 2024						Three Months Ended June 30, 2023					
	Class A and Class B Common Stock		Additional Paid-In Capital	Accumulated Other Comprehensive Loss	Retained Earnings	Total Stockholders' Equity	Class A and Class B Common Stock		Additional Paid-In Capital	Accumulated Other Comprehensive Loss	Retained Earnings	Total Stockholders' Equity
	Shares	Par Value					Shares	Par Value				
<b>Balances at beginning of period</b>	2,537	\$ —	\$ 75,391	\$ (2,655)	\$ 76,793	\$ 149,529	2,566	\$ —	\$ 66,535	\$ (2,981)	\$ 61,241	\$ 124,795
Issuance of common stock	17	—	—	—	—	—	18	—	—	—	—	—
Shares withheld related to net share settlement	(7)	—	(1,737)	—	(1,471)	(3,208)	(7)	—	(1,436)	—	(256)	(1,692)
Share-based compensation	—	—	4,616	—	—	4,616	—	—	4,060	—	—	4,060
Share repurchases	(14)	—	—	—	(6,315)	(6,315)	(4)	—	—	—	(793)	(793)
Dividends and dividend equivalents declared (\$0.50 per share) <sup>(1)</sup>	—	—	—	—	(1,284)	(1,284)	—	—	—	—	—	—
Other comprehensive loss	—	—	—	(40)	—	(40)	—	—	—	(125)	—	(125)
Net income	—	—	—	—	13,465	13,465	—	—	—	—	7,788	7,788
<b>Balances at end of period</b>	<u>2,533</u>	<u>\$ —</u>	<u>\$ 78,270</u>	<u>\$ (2,695)</u>	<u>\$ 81,188</u>	<u>\$ 156,763</u>	<u>2,573</u>	<u>\$ —</u>	<u>\$ 69,159</u>	<u>\$ (3,106)</u>	<u>\$ 67,980</u>	<u>\$ 134,033</u>

	Six Months Ended June 30, 2024						Six Months Ended June 30, 2023					
	Class A and Class B Common Stock		Additional Paid-In Capital	Accumulated Other Comprehensive Loss	Retained Earnings	Total Stockholders' Equity	Class A and Class B Common Stock		Additional Paid-In Capital	Accumulated Other Comprehensive Loss	Retained Earnings	Total Stockholders' Equity
	Shares	Par Value					Shares	Par Value				
<b>Balances at beginning of period</b>	2,561	\$ —	\$ 73,253	\$ (2,155)	\$ 82,070	\$ 153,168	2,614	\$ —	\$ 64,444	\$ (3,530)	\$ 64,799	\$ 125,713
Issuance of common stock	33	—	—	—	—	—	32	—	—	—	—	—
Shares withheld related to net share settlement	(14)	—	(3,161)	—	(3,209)	(6,370)	(13)	—	(2,396)	—	(305)	(2,701)
Share-based compensation	—	—	8,178	—	—	8,178	—	—	7,111	—	—	7,111
Share repurchases	(47)	—	—	—	(20,950)	(20,950)	(60)	—	—	—	(10,012)	(10,012)
Dividends and dividend equivalents declared (\$1.00 per share) <sup>(1)</sup>	—	—	—	—	(2,557)	(2,557)	—	—	—	—	—	—
Other comprehensive income (loss)	—	—	—	(540)	—	(540)	—	—	—	424	—	424
Net income	—	—	—	—	25,834	25,834	—	—	—	—	13,498	13,498
<b>Balances at end of period</b>	<u>2,533</u>	<u>\$ —</u>	<u>\$ 78,270</u>	<u>\$ (2,695)</u>	<u>\$ 81,188</u>	<u>\$ 156,763</u>	<u>2,573</u>	<u>\$ —</u>	<u>\$ 69,159</u>	<u>\$ (3,106)</u>	<u>\$ 67,980</u>	<u>\$ 134,033</u>

(1) Our dividend program began in the first quarter of 2024.

*See Accompanying Notes to Condensed Consolidated Financial Statements.*

**META PLATFORMS, INC.**  
**CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS**

(In millions)  
(Unaudited)

	Six Months Ended June 30,	
	2024	2023
<b>Cash flows from operating activities</b>		
Net income	\$ 25,834	\$ 13,498
Adjustments to reconcile net income to net cash provided by operating activities:		
Depreciation and amortization	7,011	5,147
Share-based compensation	8,178	7,111
Deferred income taxes	(2,098)	(1,757)
Impairment charges for facilities consolidation, net	280	1,002
Other	(71)	204
Changes in assets and liabilities:		
Accounts receivable	1,350	1,122
Prepaid expenses and other current assets	16	767
Other assets	(41)	67
Accounts payable	(862)	(1,155)
Accrued expenses and other current liabilities	(1,771)	5,268
Other liabilities	790	33
<b>Net cash provided by operating activities</b>	<b>38,616</b>	<b>31,307</b>
<b>Cash flows from investing activities</b>		
Purchases of property and equipment, net	(14,573)	(12,957)
Purchases of marketable debt securities	(10,176)	(803)
Sales and maturities of marketable debt securities	7,858	2,351
Acquisitions of businesses and intangible assets	(129)	(527)
Other investing activities	(12)	(10)
<b>Net cash used in investing activities</b>	<b>(17,032)</b>	<b>(11,946)</b>
<b>Cash flows from financing activities</b>		
Taxes paid related to net share settlement of equity awards	(6,370)	(2,701)
Repurchases of Class A common stock	(21,307)	(10,263)
Dividend payments	(2,539)	—
Proceeds from issuance of long-term debt, net	—	8,455
Principal payments on finance leases	(614)	(484)
Other financing activities	(115)	(231)
<b>Net cash used in financing activities</b>	<b>(30,945)</b>	<b>(5,224)</b>
Effect of exchange rate changes on cash, cash equivalents, and restricted cash	(440)	71
Net increase (decrease) in cash, cash equivalents, and restricted cash	(9,801)	14,208
Cash, cash equivalents, and restricted cash at beginning of the period	42,827	15,596
<b>Cash, cash equivalents, and restricted cash at end of the period</b>	<b>\$ 33,026</b>	<b>\$ 29,804</b>
<b>Reconciliation of cash, cash equivalents, and restricted cash to the condensed consolidated balance sheets</b>		
Cash and cash equivalents	\$ 32,045	\$ 28,785
Restricted cash, included in prepaid expenses and other current assets	100	165
Restricted cash, included in other assets	881	854
<b>Total cash, cash equivalents, and restricted cash</b>	<b>\$ 33,026</b>	<b>\$ 29,804</b>

*See Accompanying Notes to Condensed Consolidated Financial Statements.*



**META PLATFORMS, INC.**  
**CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS**  
*(In millions)*  
*(Unaudited)*

	<b>Six Months Ended June 30,</b>	
	<b>2024</b>	<b>2023</b>
<b>Supplemental cash flow data</b>		
Cash paid for income taxes, net	\$ 6,559	\$ 1,507
Cash paid for interest, net of amounts capitalized	\$ 245	\$ 182
Non-cash investing and financing activities:		
Property and equipment in accounts payable and accrued expenses and other current liabilities	\$ 3,229	\$ 3,845
Acquisition of businesses and intangible assets in accrued expenses and other current liabilities and other liabilities	\$ 267	\$ 217

*See Accompanying Notes to Condensed Consolidated Financial Statements.*

**META PLATFORMS, INC.**  
**NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS**  
*(Unaudited)*

**Note 1. Summary of Significant Accounting Policies**

***Basis of Presentation***

The accompanying unaudited condensed consolidated financial statements have been prepared in accordance with generally accepted accounting principles in the United States (GAAP) and applicable rules and regulations of the Securities and Exchange Commission regarding interim financial reporting. Certain information and note disclosures normally included in the financial statements prepared in accordance with GAAP have been condensed or omitted pursuant to such rules and regulations. As such, the information included in this quarterly report on Form 10-Q should be read in conjunction with the consolidated financial statements and accompanying notes included in our Annual Report on Form 10-K for the year ended December 31, 2023.

The condensed consolidated balance sheet as of December 31, 2023 included herein was derived from the audited financial statements as of that date, but does not include all disclosures including notes required by GAAP.

The condensed consolidated financial statements include the accounts of Meta Platforms, Inc., its subsidiaries where we have controlling financial interests, and any variable interest entities for which we are deemed to be the primary beneficiary. All intercompany balances and transactions have been eliminated.

The accompanying condensed consolidated financial statements reflect all normal recurring adjustments that are necessary to present fairly the results for the interim periods presented. Interim results are not necessarily indicative of the results for the full year ending December 31, 2024.

***Balance Sheets Reclassifications***

Certain prior period amounts on the condensed consolidated balance sheets have been reclassified to conform to current period presentation.

- Intangible assets, net was reclassified into other assets
- Partners payable was reclassified into accrued expenses and other current liabilities
- Long-term income taxes was reclassified out of other liabilities

These reclassifications had no impact on our previously reported total assets, total liabilities, revenue, income from operations, net income or cash flows.

***Use of Estimates***

Preparation of condensed consolidated financial statements in conformity with GAAP requires the use of estimates and judgments that affect the reported amounts in the condensed consolidated financial statements and accompanying notes. These estimates form the basis for judgments we make about the carrying values of our assets and liabilities, which are not readily apparent from other sources. We base our estimates and judgments on historical information and on various other assumptions that we believe are reasonable under the circumstances. GAAP requires us to make estimates and judgments in several areas, including, but not limited to, those related to loss contingencies, income taxes, valuation of long-lived assets and their associated estimated useful lives, valuation of non-marketable equity securities, revenue recognition, valuation of goodwill, credit losses of available-for-sale debt securities and accounts receivable, and fair value of financial instruments and leases. These estimates are based on management's knowledge about current events, interpretation of regulations, and expectations about actions we may undertake in the future. Actual results could differ materially from those estimates.

***Significant Accounting Policies***

There have been no material changes to our significant accounting policies from our Annual Report on Form 10-K for the fiscal year ended December 31, 2023.

**Note 2. Revenue**

Revenue disaggregated by revenue source and by segment consists of the following (in millions):

	Three Months Ended June 30,		Six Months Ended June 30,	
	2024	2023	2024	2023
Advertising	\$ 38,329	\$ 31,498	\$ 73,965	\$ 59,599
Other revenue	389	225	769	430
Family of Apps	38,718	31,723	74,734	60,029
Reality Labs	353	276	793	616
Total revenue	<u>\$ 39,071</u>	<u>\$ 31,999</u>	<u>\$ 75,527</u>	<u>\$ 60,645</u>

Revenue disaggregated by geography, based on the addresses of our customers, consists of the following (in millions):

	Three Months Ended June 30,		Six Months Ended June 30,	
	2024	2023	2024	2023
United States and Canada	\$ 14,640	\$ 12,404	\$ 28,287	\$ 23,854
Europe <sup>(1)</sup>	9,153	7,515	17,557	14,274
Asia-Pacific	10,967	8,551	21,279	15,843
Rest of World	4,311	3,529	8,404	6,674
Total revenue	<u>\$ 39,071</u>	<u>\$ 31,999</u>	<u>\$ 75,527</u>	<u>\$ 60,645</u>

(1) Europe includes Russia and Turkey, and Rest of World includes Africa, Latin America, and the Middle East.

Our total deferred revenue was \$675 million as of June 30, 2024 and December 31, 2023. As of June 30, 2024, we expect \$637 million of our deferred revenue to be realized in less than a year.

### Note 3. Restructuring

#### 2022 Restructuring

In 2022, we initiated several measures to pursue greater efficiency and to realign our business and strategic priorities. These measures included a facilities consolidation strategy to sublease, early terminate, or abandon several office buildings under operating leases, a layoff of approximately 11,000 employees across the Family of Apps (FoA) and Reality Labs (RL) segments, and a pivot towards a next generation data center design, including cancellation of multiple data center projects (the 2022 Restructuring). We completed the data center initiatives and employee layoff in 2023. As of June 30, 2024, we have substantially completed the facilities consolidation initiatives.

A summary of our 2022 Restructuring pre-tax charges, including subsequent adjustments, is as follows (in millions):

	Three Months Ended June 30, 2024		Three Months Ended June 30, 2023		
	Facilities Consolidation	Facilities Consolidation	Severance and Other Personnel Costs	Data Center Assets <sup>(1)</sup>	Total
Cost of revenue	\$ 3	\$ 9	\$ —	\$ (51)	\$ (42)
Research and development	27	159	(7)	—	152
Marketing and sales	6	43	1	—	44
General and administrative	5	36	(6)	—	30
Total	\$ 41	\$ 247	\$ (12)	\$ (51)	\$ 184

(1) Relates to a change in estimate in our data center restructuring charges recorded during 2022.

	Six Months Ended June 30, 2024		Six Months Ended June 30, 2023		
	Facilities Consolidation	Facilities Consolidation	Severance and Other Personnel Costs	Data Center Assets <sup>(1)</sup>	Total
Cost of revenue	\$ 23	\$ 67	\$ —	\$ (220)	\$ (153)
Research and development	186	643	(11)	—	632
Marketing and sales	41	179	(1)	—	178
General and administrative	37	165	(18)	—	147
Total	\$ 287	\$ 1,054	\$ (30)	\$ (220)	\$ 804

(1) Relates to a change in estimate in our data center restructuring charges recorded during 2022.

	Plan to Date			
	Facilities Consolidation	Severance and Other Personnel Costs	Data Center Assets	Total
Cost of revenue	\$ 354	\$ —	\$ 1,116	\$ 1,470
Research and development	3,078	399	—	3,477
Marketing and sales	841	233	—	1,074
General and administrative	815	316	—	1,131
Total	\$ 5,088	\$ 948	\$ 1,116	\$ 7,152

The 2022 Restructuring charges recorded to date under our FoA segment were \$6.06 billion, and RL segment were \$1.09 billion.

#### Note 4. Earnings per Share

The holders of our Class A and Class B common stock (together, "common stock") have identical liquidation and dividend rights but different voting rights. Accordingly, we present the earnings per share (EPS) for Class A and Class B common stock together.

Basic EPS is computed by dividing net income by the weighted-average number of shares of our Class A and Class B common stock outstanding. Diluted EPS is computed by dividing the net income by the weighted-average number of fully diluted common stock outstanding and assumes the conversion of our Class B common stock to Class A common stock.

For the three and six months ended June 30, 2024, 33 million and 18 million shares of Class A common stock equivalents of restricted stock units (RSUs), respectively, were excluded from the diluted EPS calculation as including them would have an anti-dilutive effect. For the three and six months ended June 30, 2023, RSUs with an anti-dilutive effect were 20 million and 25 million shares, respectively.

The numerators and denominators of the basic and diluted EPS computations for our common stock are calculated as follows (in millions, except per share amounts):

	Three Months Ended June 30,		Six Months Ended June 30,	
	2024	2023 <sup>(2)</sup>	2024	2023 <sup>(2)</sup>
<b>Basic EPS:</b>				
Numerator				
Distributed earnings	\$ 1,266	\$ —	\$ 2,539	\$ —
Undistributed earnings	12,199	7,788	23,295	13,498
Net income	\$ 13,465	\$ 7,788	\$ 25,834	\$ 13,498
Denominator				
Shares used in computation of basic EPS <sup>(1)</sup>	2,534	2,568	2,540	2,577
Basic EPS	\$ 5.31	\$ 3.03	\$ 10.17	\$ 5.24
<b>Diluted EPS:</b>				
Numerator				
Net income for diluted EPS	\$ 13,465	\$ 7,788	\$ 25,834	\$ 13,498
Denominator				
Shares used in computation of basic EPS	2,534	2,568	2,540	2,577
Weighted-average effect of dilutive RSUs	76	44	79	27
Shares used in computation of diluted EPS	2,610	2,612	2,619	2,604
Diluted EPS	\$ 5.16	\$ 2.98	\$ 9.86	\$ 5.18

(1) Include 2,189 million and 2,217 million shares of Class A common stock and 345 million and 351 million shares of Class B common stock, for the three months ended June 30, 2024 and 2023, respectively, and 2,193 million and 2,220 million shares of Class A common stock and 347 million and 357 million shares of Class B common stock, for the six months ended June 30, 2024 and 2023, respectively.

(2) The prior period EPS for Class A and Class B common stock has been presented together to conform with current period presentation, which had no impact on our previously reported basic or diluted EPS.

We declared and paid quarterly cash dividends totaling \$0.50 and \$1.00 for each share of common stock during the three and six months ended June 30, 2024, respectively. Total dividends paid were \$1.09 billion and \$2.19 billion for Class A common stock, and \$173 million and \$346 million for Class B common stock, during the three and six months ended June 30, 2024, respectively. EPS for Class B common stock is not presented separately as under the two-class method Class A and Class B EPS is not meaningfully different.

**Note 5. Financial Instruments**

***Fair Value Measurements***

We classify our cash equivalents and marketable debt securities within Level 1 or Level 2 because we use quoted market prices or alternative pricing sources and models utilizing market observable inputs to determine their fair value. Certain other assets are classified within Level 3 because factors used to develop the estimated fair value are unobservable inputs that are not supported by market activity.

The following tables summarize our assets measured at fair value on a recurring basis and the classification by level of input within the fair value hierarchy (in millions):

Description	June 30, 2024	Fair Value Measurement at Reporting Date Using		
		Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
Cash	\$ 6,159			
Cash equivalents:				
Money market funds	24,625	\$ 24,625	\$ —	\$ —
U.S. government and agency securities	791	791	—	—
Time deposits	263	—	263	—
Corporate debt securities	207	—	207	—
Total cash and cash equivalents	32,045	25,416	470	—
Marketable securities:				
U.S. government securities	10,448	10,448	—	—
U.S. government agency securities	3,544	3,544	—	—
Corporate debt securities	12,043	—	12,043	—
Total marketable securities	26,035	13,992	12,043	—
Restricted cash equivalents	857	857	—	—
Other assets	102	—	—	102
Total	\$ 59,039	\$ 40,265	\$ 12,513	\$ 102

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Description	December 31, 2023	Fair Value Measurement at Reporting Date Using		
		Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
Cash	\$ 6,265			
Cash equivalents:				
Money market funds	32,910	\$ 32,910	\$ —	\$ —
U.S. government and agency securities	2,206	2,206	—	—
Time deposits	261	—	261	—
Corporate debt securities	220	—	220	—
Total cash and cash equivalents	41,862	35,116	481	—
Marketable securities:				
U.S. government securities	8,439	8,439	—	—
U.S. government agency securities	3,498	3,498	—	—
Corporate debt securities	11,604	—	11,604	—
Total marketable securities	23,541	11,937	11,604	—
Restricted cash equivalents	857	857	—	—
Other assets	101	—	—	101
<b>Total</b>	<b>\$ 66,361</b>	<b>\$ 47,910</b>	<b>\$ 12,085</b>	<b>\$ 101</b>

**Unrealized Losses**

The following tables summarize our available-for-sale marketable debt securities and cash equivalents with unrealized losses as of June 30, 2024 and December 31, 2023, aggregated by major security type and the length of time that individual securities have been in a continuous loss position (in millions):

	June 30, 2024					
	Less than 12 months		12 months or greater		Total	
	Fair Value	Unrealized Losses	Fair Value	Unrealized Losses	Fair Value	Unrealized Losses
U.S. government securities	\$ 4,502	\$ (22)	\$ 5,353	\$ (252)	\$ 9,855	\$ (274)
U.S. government agency securities	448	(1)	3,092	(119)	3,540	(120)
Corporate debt securities	1,866	(8)	8,429	(386)	10,295	(394)
<b>Total</b>	<b>\$ 6,816</b>	<b>\$ (31)</b>	<b>\$ 16,874</b>	<b>\$ (757)</b>	<b>\$ 23,690</b>	<b>\$ (788)</b>

	December 31, 2023					
	Less than 12 months		12 months or greater		Total	
	Fair Value	Unrealized Losses	Fair Value	Unrealized Losses	Fair Value	Unrealized Losses
U.S. government securities	\$ 336	\$ (1)	\$ 7,041	\$ (275)	\$ 7,377	\$ (276)
U.S. government agency securities	71	—	3,225	(164)	3,296	(164)
Corporate debt securities	647	(3)	10,125	(491)	10,772	(494)
<b>Total</b>	<b>\$ 1,054</b>	<b>\$ (4)</b>	<b>\$ 20,391</b>	<b>\$ (930)</b>	<b>\$ 21,445</b>	<b>\$ (934)</b>

The allowance for credit losses and the gross unrealized gains on our marketable debt securities were not material as of June 30, 2024 and December 31, 2023.

### Contractual Maturities

The following table classifies our marketable debt securities by contractual maturities (in millions):

	June 30, 2024	
Due within one year	\$	7,808
Due after one year to five years		18,227
Total	\$	26,035

### Instruments Measured at Fair Value on Non-recurring Basis

Our non-marketable equity securities accounted for using the measurement alternative are measured at fair value on a non-recurring basis and are classified within Level 3 of the fair value hierarchy because we use significant unobservable inputs to estimate their fair value. As of June 30, 2024 and 2023, assets remeasured at fair value on a non-recurring basis within Level 3 during the six months ended June 30, 2024 and 2023 were \$289 million and \$119 million, respectively. During the three and six months ended June 30, 2024 and 2023, changes in the fair value recorded for these non-marketable equity securities were not material.

### Note 6. Non-marketable Equity Securities

Our non-marketable equity securities are investments in privately-held companies without readily determinable fair values. The following table summarizes our non-marketable equity securities that were measured using measurement alternative or equity method (in millions):

	June 30, 2024		December 31, 2023	
Non-marketable equity securities under measurement alternative:				
Initial cost	\$	6,397	\$	6,389
Cumulative upward adjustments		394		293
Cumulative impairment/downward adjustments		(640)		(599)
Carrying value		6,151		6,083
Non-marketable equity securities under equity method		56		58
Total	\$	6,207	\$	6,141

### Note 7. Property and Equipment

Property and equipment, net consists of the following (in millions):

	June 30, 2024		December 31, 2023	
Land	\$	2,086	\$	2,080
Servers and network assets		56,531		46,838
Buildings		42,840		37,961
Leasehold improvements		7,191		6,972
Equipment and other		6,457		7,416
Finance lease right-of-use assets		4,583		4,185
Construction in progress		21,666		24,269
Property and equipment, gross		141,354		129,721
Less: Accumulated depreciation		(38,395)		(33,134)
Property and equipment, net	\$	102,959	\$	96,587



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Construction in progress includes costs mostly related to construction of data centers, network infrastructure and servers. Depreciation expenses on property and equipment were \$3.58 billion and \$2.58 billion for the three months ended June 30, 2024 and 2023, respectively, and \$6.92 billion and \$5.06 billion for the six months ended June 30, 2024 and 2023, respectively. Within property and equipment, our servers and network assets depreciation expenses were \$2.64 billion and \$1.71 billion for the three months ended June 30, 2024 and 2023, respectively, and \$4.99 billion and \$3.22 billion for the six months ended June 30, 2024 and 2023, respectively.

**Note 8. Leases**

The following tables summarize the components of operating lease costs and supplemental lease information (in millions):

	Three Months Ended June 30,		Six Months Ended June 30,	
	2024	2023	2024	2023
<b>Lease cost:</b>				
Operating lease cost	\$ 589	\$ 516	\$ 1,124	\$ 1,073
Variable lease cost and other	\$ 207	\$ 112	\$ 403	\$ 236
			Six Months Ended June 30,	
			2024	2023
<b>Supplemental lease information:</b>				
Operating cash flows for operating leases			\$ 1,363	\$ 994
Operating lease liabilities arising from obtaining right-of-use assets			\$ 1,797	\$ 1,868

We also recorded impairment losses for operating lease right-of-use assets as a part of our facilities consolidation restructuring efforts of \$41 million and \$138 million for the three months ended June 30, 2024 and 2023, respectively, and \$282 million and \$811 million for the six months ended June 30, 2024 and 2023, respectively. For additional information, see Note 3 — Restructuring.

As of June 30, 2024, future undiscounted lease payments under operating leases was \$24.53 billion, with a weighted average remaining lease term of 11.2 years. As of June 30, 2024, we have additional operating leases, that have not yet commenced, with lease obligations of approximately \$6.20 billion mostly for data centers and colocations. These operating leases will commence between the remainder of 2024 and 2029 with lease terms of greater than one year to 25 years. Finance lease costs were not material for the periods presented.

**Note 9. Goodwill and Intangible Assets**

As of June 30, 2024 and December 31, 2023, the total carrying amount of goodwill was \$20.65 billion, of which \$19.25 billion was allocated to our FoA segment and \$1.41 billion was allocated to our RL segment.

The following table sets forth the major categories of the intangible assets and their weighted-average remaining useful lives (in millions):

	Weighted-Average Remaining Useful Lives (in years)	June 30, 2024			December 31, 2023		
		Gross Carrying Amount	Accumulated Amortization	Net Carrying Amount	Gross Carrying Amount	Accumulated Amortization	Net Carrying Amount
Acquired technology	4.6	\$ 479	\$ (235)	\$ 244	\$ 478	\$ (182)	\$ 296
Acquired patents	3.9	334	(226)	108	287	(233)	54
Other	3.2	227	(20)	207	28	(15)	13
Total finite-lived assets		1,040	(481)	559	793	(430)	363
Total indefinite-lived assets	N/A	425	—	425	425	—	425
Total intangible assets		<u>\$ 1,465</u>	<u>\$ (481)</u>	<u>\$ 984</u>	<u>\$ 1,218</u>	<u>\$ (430)</u>	<u>\$ 788</u>

**Note 10. Long-term Debt**

The carrying amount of our long-term debt in the form of senior unsecured notes (the Notes) was \$18.39 billion as of June 30, 2024 and December 31, 2023. The total estimated fair value of the Notes was \$17.69 billion and \$18.48 billion as of June 30, 2024 and December 31, 2023, respectively. The fair value was determined based on the quoted prices for the Notes as of June 30, 2024 and December 31, 2023, respectively, and is categorized accordingly as Level 2 in the fair value hierarchy.

**Note 11. Accrued Expenses and Other Current Liabilities**

The components of accrued expenses and other current liabilities are as follows (in millions):

	June 30, 2024	December 31, 2023
Legal-related accruals <sup>(1)</sup>	\$ 7,956	\$ 6,592
Accrued compensation and benefits	4,130	6,659
Accrued taxes	2,244	3,655
Accrued property and equipment	1,822	2,213
Other current liabilities	5,762	6,369
Total	<u>\$ 21,914</u>	<u>\$ 25,488</u>

(1) Includes accruals for estimated fines, settlements, or other losses in connection with legal and related matters, as well as other legal fees. For further information, see *Legal and Related Matters* in Note 12 — Commitments and Contingencies.

**Note 12. Commitments and Contingencies*****Contractual Commitments***

We have \$19.82 billion of non-cancelable contractual commitments as of June 30, 2024, which are primarily related to our investments in servers, network infrastructure, and consumer hardware products in Reality Labs. The following is a schedule, by years, of non-cancelable contractual commitments as of June 30, 2024 (in millions):

The remainder of 2024	\$	14,452
2025		1,334
2026		729
2027		388
2028		203
Thereafter		2,712
Total	\$	<u>19,818</u>

Additionally, as part of the normal course of business, we have entered into multi-year agreements to purchase renewable energy that do not specify a fixed or minimum volume commitment. We enter into these agreements in order to secure the price. Using the expected volume consumption, the total estimated spend related to our renewable energy agreements as of June 30, 2024 is approximately \$16.50 billion, a majority of which is due beyond five years. The ultimate spend under these agreements may vary and will be based on actual volume purchased.

***Legal and Related Matters***

With respect to the cases, actions, and inquiries described below, we evaluate the associated developments on a regular basis and accrue a liability when we believe a loss is probable and the amount can be reasonably estimated. In addition, we believe there is a reasonable possibility that we may incur a loss in some of these matters. Unless otherwise noted, with respect to the matters described below that do not include an estimate of the amount of loss or range of possible loss, such losses or range of possible losses either cannot be estimated or are not individually material, but we believe there is a reasonable possibility that they may be material in the aggregate.

We are also party to various other legal proceedings, claims, and regulatory, tax or government inquiries and investigations that arise in the ordinary course of business. Additionally, we are required to comply with various legal and regulatory obligations around the world. The requirements for complying with these obligations may be uncertain and subject to interpretation and enforcement by regulatory and other authorities, and any failure to comply with such obligations could eventually lead to asserted legal or regulatory action. With respect to these other legal proceedings, claims, regulatory, tax, or government inquiries and investigations, and other matters, asserted and unasserted, we evaluate the associated developments on a regular basis and accrue a liability when we believe a loss is probable and the amount can be reasonably estimated. In addition, we believe there is a reasonable possibility that we may incur a loss in some of these other matters. We believe that the amount of losses or any estimable range of possible losses with respect to these other matters will not, either individually or in the aggregate, have a material adverse effect on our business and condensed consolidated financial statements.

The ultimate outcome of the legal and related matters described in this section, such as whether the likelihood of loss is remote, reasonably possible, or probable, or if and when the reasonably possible range of loss is estimable, is inherently uncertain. Therefore, if one or more of these matters were resolved against us for amounts in excess of management's estimates of loss, our results of operations and financial condition, including in a particular reporting period in which any such outcome becomes probable and estimable, could be materially adversely affected.

For information regarding income tax contingencies, see Note 14 — Income Taxes.

*Privacy and Related Matters*

Beginning on March 20, 2018, multiple putative class actions were filed in state and federal courts in the United States and elsewhere against us and certain of our directors and officers alleging various causes of action in connection with our platform and user data practices as well as the misuse of certain data by a developer that shared such data with third parties in violation of our terms and policies, and seeking unspecified damages and injunctive relief. With respect to the putative class actions alleging fraud and violations of consumer protection, privacy, and other laws in connection with the same matters, several of the cases brought on behalf of consumers in the United States were consolidated in the U.S. District Court for the Northern District of California (*In re Facebook, Inc., Consumer Privacy User Profile Litigation*). On September 9, 2019, the court granted, in part, and denied, in part, our motion to dismiss the consolidated putative consumer class action. On December 22, 2022, the parties entered into a settlement agreement to resolve the lawsuit, which provides for a payment of \$725 million by us. The settlement was approved by the court on October 10, 2023, and the payment was made in November 2023. In addition, our platform and user data practices, as well as the events surrounding the misuse of certain data by a developer, became the subject of U.S. Federal Trade Commission (FTC), state attorneys general, and other government inquiries in the United States, Europe, and other jurisdictions. We entered into a settlement and modified consent order to resolve the FTC inquiry, which took effect in April 2020. Among other matters, our settlement with the FTC required us to pay a penalty of \$5.0 billion which was paid in April 2020 upon the effectiveness of the modified consent order. The state attorneys general inquiry and certain government inquiries in other jurisdictions remain ongoing. On July 16, 2021, a stockholder derivative action was filed in Delaware Court of Chancery against certain of our directors and officers asserting breach of fiduciary duty and related claims relating to our historical platform and user data practices, as well as our settlement with the FTC. On July 20, 2021, other stockholders filed an amended derivative complaint in a related Delaware Chancery Court action, asserting breach of fiduciary duty and related claims against certain of our current and former directors and officers in connection with our historical platform and user data practices. On November 4, 2021, the lead plaintiffs filed a second amended and consolidated complaint in the stockholder derivative action. The pending consolidated matter is *In re Facebook Inc. Derivative Litigation*. On January 19, 2022, we filed a motion to dismiss, which was denied in part on May 10, 2023. The insider trading claim was dismissed as to all defendants except Mark Zuckerberg, and the motion was denied as to the breach of fiduciary duty claims.

On May 3, 2023, the FTC filed a public administrative proceeding (*In the Matter of Facebook, Inc.*) seeking substantial changes to the modified consent order, which took effect in April 2020 after its entry by the U.S. District Court for the District of Columbia. The changes sought by the FTC are set forth in a proposed order and include, among others, a prohibition on our use of minors' data for any commercial purposes, changes to the composition of our board of directors, and significant limitations on our ability to modify and launch new products. On May 31, 2023, we filed a motion before the U.S. District Court for the District of Columbia (*USA v. Facebook, Inc.*) seeking to enjoin the FTC from further pursuing its agency process to modify the modified consent order. On November 27, 2023, the district court denied our motion, and we then appealed to the U.S. Court of Appeals for the District of Columbia Circuit (*U.S. v. Facebook, Inc.*) and sought to stay the FTC proceeding pending resolution of the appeal. Our motion for a stay pending appeal was denied in March 2024 and the underlying appeal is fully briefed with our reply brief filed on July 12, 2024. Oral argument has not been scheduled.

On November 29, 2023, we separately filed a complaint, also in the U.S. District Court for the District of Columbia (*Meta Platforms, Inc. v. FTC*), asserting constitutional challenges to the structure of the FTC, and seeking to preliminarily enjoin the FTC proceeding during the pendency of the litigation. On December 13, 2023, the FTC filed an opposition to our motion for preliminary injunction and a motion to dismiss the complaint. On March 14, 2024, the district court denied our motion to preliminarily enjoin the FTC proceeding during the pendency of the litigation, and also denied the FTC's motion to dismiss our complaint without prejudice, pending the Supreme Court's decision in *SEC v. Jarkesy* (*Jarkesy*). Our motion for a stay of the FTC proceeding pending appeal was denied in March 2024. Both the district court action and the appeal were stayed pending the Supreme Court's decision in *Jarkesy*. Following the Supreme Court's ruling in *Jarkesy* on June 27, 2024, the district court entered an agreed order requiring the FTC to file its anticipated renewed motion to dismiss by August 14, 2024. On July 18, 2024, we filed an unopposed motion to stay the appeal of the district court's denial of our motion for preliminary injunction pending resolution of the FTC's renewed motion to dismiss. On July 24, 2024, the circuit court granted the motion for a stay. The parties are required to report back to the circuit court within 30 days of the district court's disposition of the FTC's motion to dismiss.

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On April 1, 2024, we filed our response to the FTC's Order to Show Cause, arguing that the Order to Show Cause proceeding was legally improper. We filed a reply to the FTC's response on July 18, 2024 and expect the FTC to schedule oral argument on these legal issues. Through the administrative process, the FTC could amend the order to impose the additional requirements set forth in the proposed order. We should have the opportunity to appeal an FTC decision modifying the order and could request the appellate court to stay the enforcement of the modifications to the order while the appeal is pending. It is unclear whether the appeal or the request for a stay would be successful.

We also notify the Irish Data Protection Commission (IDPC), our lead European Union privacy regulator under the General Data Protection Regulation (GDPR), of certain other personal data breaches and privacy issues, and are subject to inquiries and investigations by the IDPC and other European regulators regarding various aspects of our regulatory compliance. For example, the IDPC is continuing to assess the compliance of our "subscription for no ads" consent model with requirements under the GDPR. In addition, on May 12, 2023, the IDPC issued a Final Decision concluding that Meta Platforms Ireland's reliance on Standard Contractual Clauses in respect of certain transfers of European Economic Area (EEA) Facebook user data was not in compliance with the GDPR. The IDPC issued an administrative fine of EUR €1.2 billion as well as corrective orders, which is described further in "Legal Proceedings" contained in Part II, Item 1 of this Quarterly Report on Form 10-Q. The interpretation of the GDPR is still evolving, including through decisions of the Court of Justice of the European Union, and draft decisions in investigations by the IDPC are subject to review by other European privacy regulators as part of the GDPR's cooperation and consistency mechanisms, which may lead to significant changes in the final outcome of such investigations. As a result, the interpretation and enforcement of the GDPR, as well as the imposition and amount of penalties for non-compliance, are subject to significant uncertainty. Although we are vigorously defending our regulatory compliance, we have accrued significant amounts for loss contingencies related to these inquiries and investigations in Europe, and we believe there is a reasonable possibility that additional accruals for losses related to these matters could be material individually or in the aggregate.

On February 14, 2022, the State of Texas filed a lawsuit against us in Texas state court (*Texas v. Meta Platforms, Inc.*) alleging that "tag suggestions" and other uses of facial recognition technology violate the Texas Capture or Use of Biometric Identifiers Act and the Texas Deceptive Trade Practices-Consumer Protection Act, and seeking statutory damages and injunctive relief. On July 29, 2024, the parties entered into a settlement agreement to resolve the lawsuit, which provides for a payment of \$1.4 billion by us. This settlement amount was accrued on our condensed consolidated balance sheet as of June 30, 2024. On July 30, 2024, the court entered judgment, dismissing the case.

Beginning on June 7, 2021, multiple putative class actions were filed against us alleging that we improperly received individuals' information from third-party websites or apps via our business tools in violation of our terms and various state and federal laws and seeking unspecified damages and injunctive relief (for example, *In re Meta Pixel Healthcare Litigation*; *In re Meta Pixel Tax Filing Cases*; *Frasco v. Flo Health, Inc.*; *Doe v. Hey Favor, Inc. et al.*; *Doe v. GoodRx Holdings, Inc. et al.* in the U.S. District Court for the Northern District of California; and *Rickwalder, et al. v. Meta Platforms, Inc.* in the Santa Clara County Superior Court). These cases are in different stages, but several of our motions to dismiss have been denied in whole or in part, while certain others have been granted in whole or in part. We are currently in discovery and litigating class certification in the cases that are most advanced.

### *Competition*

We are subject to various litigation and government inquiries and investigations, formal or informal, by competition authorities in the United States, Europe, and other jurisdictions. Such investigations, inquiries, and lawsuits concern, among other things, our business practices in the areas of social networking or social media services, digital advertising, and/or mobile or online applications, as well as our acquisitions. For example, in 2019 we became the subject of antitrust investigations by the FTC and U.S. Department of Justice. On December 9, 2020, the FTC filed a complaint (*FTC v. Meta Platforms, Inc.*) against us in the U.S. District Court for the District of Columbia alleging that we engaged in anticompetitive conduct and unfair methods of competition in violation of Section 5 of the Federal Trade Commission Act and Section 2 of the Sherman Act, including by acquiring Instagram in 2012 and WhatsApp in 2014 and by maintaining conditions on access to our platform. The FTC sought a permanent injunction against our company's alleged violations of the antitrust laws, and other equitable relief, including divestiture or reconstruction of Instagram and WhatsApp. On June 28, 2021, the court granted our motion to dismiss the complaint filed by the FTC with leave to amend. On August 19, 2021, the FTC filed an amended complaint, and on October 4, 2021, we filed a motion to dismiss this amended complaint. On January 11, 2022, the court denied our motion to dismiss the FTC's amended complaint. On April 5, 2024, we filed our motion for summary judgment and the FTC filed its opposition and its own motion for partial summary judgment on May 24, 2024. Briefing on the motions for summary judgment will conclude on August 9, 2024. Multiple putative class actions have also been filed in

state and federal courts in the United States and in the United Kingdom against us alleging violations of antitrust laws and other causes of action in connection with these acquisitions and/or other alleged anticompetitive conduct, and seeking damages and injunctive relief. Several of the cases brought on behalf of certain advertisers and users in the United States were consolidated in the U.S. District Court for the Northern District of California (*Klein et al. v. Meta Platforms, Inc.*). On January 14, 2022, the court granted, in part, and denied, in part, our motion to dismiss the consolidated actions. On March 1, 2022, a first amended consolidated complaint was filed in the putative class action brought on behalf of certain advertisers. On December 6, 2022, the court denied our motion to dismiss the first amended consolidated complaint filed in the putative class action brought on behalf of certain advertisers.

In December 2022, the European Commission issued a Statement of Objections alleging that we tie Facebook Marketplace to Facebook and use data in a manner that infringes European Union competition rules. Although we are vigorously defending this matter, we have accrued a significant amount related to this matter and we believe there is a reasonable possibility that the ultimate losses in this matter could be material.

In March 2024, the European Commission opened an investigation into the compliance of our "subscription for no ads" consent model with requirements under Article 5(2) of the Digital Markets Act. The European Commission issued preliminary findings on July 1, 2024 reflecting its preliminary view that our model does not comply with such requirements, and indicated that it will conclude its investigation by March 2025.

#### *Securities and Other Actions*

Beginning on March 20, 2018, multiple putative class actions and derivative actions were filed in state and federal courts in the United States and elsewhere against us and certain of our directors and officers alleging violations of securities laws, breach of fiduciary duties, and other causes of action in connection with our platform and user data practices as well as the misuse of certain data by a developer that shared such data with third parties in violation of our terms and policies, and seeking unspecified damages and injunctive relief. Beginning on July 27, 2018, two putative class actions were filed in federal court in the United States against us and certain of our directors and officers alleging violations of securities laws in connection with the disclosure of our earnings results for the second quarter of 2018 and seeking unspecified damages. These two actions subsequently were transferred and consolidated in the U.S. District Court for the Northern District of California (*In Re Facebook, Inc. Securities Litigation*) with the putative securities class action described above relating to our platform and user data practices. In a series of orders in 2019 and 2020, the district court granted our motions to dismiss the plaintiffs' claims. On January 17, 2022, the plaintiffs filed a notice of appeal of the order dismissing their case, and on October 18, 2023, the U.S. Court of Appeals for the Ninth Circuit issued its decision affirming in part and reversing in part the district court's order dismissing the plaintiffs' case. We filed a petition for writ of certiorari on March 4, 2024 with the U.S. Supreme Court, seeking review of the Ninth Circuit's order. On June 10, 2024, the U.S. Supreme Court granted in part our petition for writ of certiorari.

We are also subject to other government inquiries and investigations relating to our business activities and disclosure practices. For example, beginning in September 2021, we became subject to government investigations and requests relating to a former employee's allegations and release of internal company documents concerning, among other things, our algorithms, advertising and user metrics, and content enforcement practices, as well as misinformation and other undesirable activity on our platform, and user well-being. We have since received additional requests relating to these and other topics. Beginning on October 27, 2021, multiple putative class actions and derivative actions were filed in the U.S. District Court for the Northern District of California against us and certain of our directors and officers alleging violations of securities laws, breach of fiduciary duties, and other causes of action in connection with the same matters, and seeking unspecified damages. *Ohio Pub. Empl. Ret. Sys. v. Meta Platforms, Inc.*

On March 8, 2022, a putative class action was filed in the U.S. District Court for the Northern District of California against us and certain of our directors and officers alleging violations of securities laws in connection with the disclosure of our earnings results for the fourth quarter of 2021 and seeking unspecified damages (*Plumbers & Steamfitters Local 60 Pension Trust v. Meta Platforms, Inc.*). On July 18, 2023, the court dismissed the claims against Meta and its officers with leave to amend. On September 18, 2023, the plaintiffs filed an amended complaint.

### *Youth-Related Actions*

Beginning in January 2022, we became subject to litigation and other proceedings that were filed in various federal and state courts alleging that Facebook and Instagram cause "social media addiction" in users, with most proceedings focused on those under 18 years old, resulting in various mental health and other harms. Putative class actions have been filed in the United States and Canada on behalf of users in those jurisdictions, and numerous school districts, municipalities, and tribal nations, have filed public nuisance claims in the United States and/or Canada based on similar allegations. On October 6, 2022, these U.S. federal cases were centralized in the U.S. District Court for the Northern District of California (*In re Social Media Adolescent Addiction Product Liability Personal Injury Litigation*). Beginning in March 2023, U.S. states began filing lawsuits on these topics in various federal and state courts. These additional lawsuits include allegations regarding violations of the Children's Online Privacy Protection Act (COPPA) as well as violations of state laws concerning consumer protection, unfair business practices, public nuisance, and products liability, with proceedings focused on our alleged business practices (including the use of end-to-end encryption) and harms to users under 18 years old. These lawsuits seek damages and injunctive relief, and include cases filed by various state attorneys general in *In re Social Media Adolescent Addiction Product Liability Personal Injury Litigation* in the U.S. District Court for the Northern District of California, as well as various state courts around the country.

We are also subject to government investigations and requests from multiple regulators in various jurisdictions globally concerning the use of our products and services, and the alleged mental and physical health and safety impacts on users, particularly younger users. On May 16, 2024, the European Commission opened formal proceedings assessing our compliance with certain requirements under Articles 28, 34, and 35 of the Digital Services Act (DSA), including the way in which we identified, assessed, and mitigated against certain systemic risks to minors and other vulnerable users that may stem from the design and functioning of Instagram and Facebook.

### *Other Actions*

Beginning on August 15, 2018, multiple putative class actions were filed against us alleging that we inflated our estimates of the potential audience size for advertisements, resulting in artificially increased demand and higher prices. The cases were consolidated in the U.S. District Court for the Northern District of California (*DZ Reserve v. Facebook, Inc.*) and seek unspecified damages and injunctive relief. In a series of rulings in 2019, 2021, and 2022, the court dismissed certain of the plaintiffs' claims, but permitted their fraud and unfair competition claims to proceed. On March 29, 2022, the court granted the plaintiffs' motion for class certification. On March 21, 2024, the U.S. Court of Appeals for the Ninth Circuit affirmed in part and reversed in part the order granting class certification. On May 3, 2024, we filed a petition for panel rehearing and rehearing en banc.

Beginning on July 7, 2023, multiple putative class actions were filed against us in the U.S. District Court for the Northern District of California (*Kadrey, et al. v. Meta Platforms, Inc.* and *Chabon, et al. v. Meta Platforms, Inc.*) and U.S. District Court for the Southern District of New York (*Huckabee, et al. v. Meta Platforms, Inc. et al.*, which was subsequently transferred to the U.S. District Court for the Northern District of California) alleging that we used various copyrighted books and materials to train our artificial intelligence models, and seeking unspecified damages and injunctive relief. These cases have all been consolidated into *Kadrey, et al. v. Meta Platforms, Inc.*

On April 30, 2024, the European Commission opened formal proceedings against us to assess Facebook and Instagram's compliance with certain requirements under Articles 14, 16, 17, 20, 24, 25, 34, 35, and 40 of the DSA, regarding a range of topics including elections, content reporting and appeals, third-party access to data, political content recommendations, potential deceptive advertising and disinformation, including the way in which we identified, assessed, and mitigated against certain systemic risks on Instagram and Facebook.

In addition, we are subject to litigation and other proceedings involving law enforcement and other regulatory agencies, including in particular in Brazil, Russia, and other countries in Europe, in order to ascertain the precise scope of our legal obligations to comply with the requests of those agencies, including our obligation to disclose user information in particular circumstances. A number of such instances have resulted in the assessment of fines and penalties against us. We believe we have multiple legal grounds to satisfy these requests or prevail against associated fines and penalties, and we intend to vigorously defend such fines and penalties.

**Note 13. Stockholders' Equity****Capital Return Program***Share Repurchase*

Our board of directors has authorized a share repurchase program of our Class A common stock, which commenced in January 2017 and does not have an expiration date. As of December 31, 2023, \$30.93 billion remained available and authorized for repurchases under this program. In January 2024, an additional \$50 billion of repurchases was authorized under this program. During the six months ended June 30, 2024, we repurchased and subsequently retired 47 million shares of our Class A common stock for an aggregate amount of \$20.95 billion, which includes the 1% excise tax accruals as a result of the Inflation Reduction Act of 2022. As of June 30, 2024, \$60.10 billion remained available and authorized for repurchases.

The timing and actual number of shares repurchased under the repurchase program depend on a variety of factors, including price, general business and market conditions, and other investment opportunities. Shares may be repurchased through open market purchases or privately negotiated transactions, including through the use of trading plans intended to qualify under Rule 10b5-1 under the Securities Exchange Act of 1934, as amended.

*Dividend*

Beginning in February 2024, our board of directors declared quarterly cash dividends of \$0.50 per share to the holders of our Class A and Class B common stock. During the three and six months ended June 30, 2024, total dividend payments were \$1.09 billion and \$2.19 billion for Class A common stock, and \$173 million and \$346 million for Class B common stock, respectively.

All RSUs granted on or after March 1, 2024 under our 2012 Equity Incentive Plan, which was most recently amended in May 2024 (Amended 2012 Plan), are entitled to dividend equivalent rights. Subject to legally available funds and future declaration by our board of directors, we currently intend to continue to pay a quarterly cash dividend on our outstanding common stock. The declaration and payment of future dividends and dividend equivalents is at the sole discretion of our board of directors after taking into account various factors, including our financial condition, operating results, available cash, and current and anticipated cash needs.

**Share-based Compensation Plan**

As of June 30, 2024, there were 471 million shares of our Class A common stock reserved for future issuance under our Amended 2012 Plan.

The following table summarizes our share-based compensation expense, which consists of the RSU expense, by line item in our condensed consolidated statements of income (in millions):

	Three Months Ended June 30,		Six Months Ended June 30,	
	2024	2023	2024	2023
Cost of revenue	\$ 288	\$ 193	\$ 510	\$ 352
Research and development	3,780	3,305	6,691	5,754
Marketing and sales	287	289	513	509
General and administrative	261	273	464	496
Total share-based compensation expense	\$ 4,616	\$ 4,060	\$ 8,178	\$ 7,111



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The following table summarizes the activities for our unvested RSUs for the six months ended June 30, 2024:

	Number of Shares (in thousands)	Weighted-Average Grant Date Fair Value Per Share
Unvested at December 31, 2023	149,062	\$ 209.85
Granted	41,611	\$ 500.03
Vested	(32,718)	\$ 236.26
Forfeited	(5,240)	\$ 238.55
Unvested at June 30, 2024	152,715	\$ 282.28

The fair value as of the respective vesting dates of RSUs that vested during the three months ended June 30, 2024 and 2023 was \$7.89 billion and \$4.30 billion, respectively, and \$15.46 billion and \$6.74 billion during the six months ended June 30, 2024 and 2023, respectively. The income tax benefit recognized related to awards vested during the three months ended June 30, 2024 and 2023 was \$1.65 billion and \$915 million, respectively, and \$3.27 billion and \$1.43 billion during the six months ended June 30, 2024 and 2023, respectively.

As of June 30, 2024, there was \$40.84 billion of unrecognized share-based compensation expense related to RSU awards. This unrecognized compensation expense is expected to be recognized over a weighted-average period of approximately three years based on vesting under the award service conditions.

#### Note 14. Income Taxes

Our tax provision for interim periods is determined using an estimated annual effective tax rate, adjusted for discrete items arising in that quarter, including excess tax benefits recognized from share-based compensation and changes in unrecognized tax benefits. In each quarter, we update the estimated annual effective tax rate and make a year-to-date adjustment to the provision. The estimated annual effective tax rate is subject to significant volatility due to several factors, including our ability to accurately predict the proportion of our income (loss) before provision for income taxes in multiple jurisdictions, the U.S. tax benefits from foreign derived intangible income, and the effects of tax law changes.

Our gross unrecognized tax benefits were \$12.91 billion and \$11.67 billion on June 30, 2024 and December 31, 2023, respectively. These unrecognized tax benefits were primarily accrued for the uncertainties related to transfer pricing with our foreign subsidiaries, which include licensing of intellectual property, providing services and other transactions, as well as for uncertainties with our research tax credits. If the gross unrecognized tax benefits as of June 30, 2024 were realized in a future period, this would result in a tax benefit of \$8.37 billion within our provision for income taxes at such time. The amount of interest and penalties accrued was \$1.81 billion and \$1.48 billion as of June 30, 2024 and December 31, 2023, respectively. We expect to continue to accrue unrecognized tax benefits for certain recurring tax positions.

In July 2016, we received a Statutory Notice of Deficiency (Notice) from the Internal Revenue Service (IRS) related to transfer pricing with our foreign subsidiaries in conjunction with the examination of the 2010 tax year. While the Notice applies only to the 2010 tax year, the IRS stated that it will also apply its position for tax years subsequent to 2010 and has done so in years covered by the second Notice described below. We do not agree with the position of the IRS and have filed a petition in the Tax Court challenging the Notice. On January 15, 2020, the IRS's amendment to answer was filed stating that it planned to assert at trial an adjustment that is higher than the adjustment stated in the Notice. The first session of the trial was completed in March 2020 and the final trial session was completed in August 2022. We expect the Tax Court to issue an opinion in 2024 which will likely provide a transfer pricing value for intellectual property transferred. This value will need to be extrapolated into income adjustments to determine the specific tax liability, which will likely remain in dispute and will not be resolved until the Tax Court enters a decision. If the IRS prevails in its updated position, this could result in an additional federal tax liability of an estimated, aggregate amount of up to approximately \$9.0 billion in excess of the amounts in our originally filed U.S. return, plus interest and any penalties asserted. Once the Tax Court decision is entered, the IRS and Meta will each have the option to file an appeal to the Ninth Circuit Court of Appeals.

In March 2018, we received a second Notice from the IRS in conjunction with the examination of our 2011 through 2013 tax years. The IRS applied its position from the 2010 tax year to each of these years and also proposed new adjustments related to other transfer pricing with our foreign subsidiaries and certain tax credits that we claimed. If the IRS prevails in its

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position for these new adjustments, this could result in an additional federal tax liability of up to approximately \$680 million in excess of the amounts in our originally filed U.S. returns, plus interest and any penalties asserted. We do not agree with the positions of the IRS in the second Notice and have filed a petition in the Tax Court challenging the second Notice.

We have previously accrued an estimated unrecognized tax benefit consistent with the guidance in ASC 740, Income Taxes, that is lower than the potential additional federal tax liability from the positions taken by the IRS in the two Notices and its Pretrial Memorandum. In addition, if the IRS prevails in its positions related to transfer pricing with our foreign subsidiaries, the additional tax that we would owe would be partially offset by a reduction in the tax that we owe under the mandatory transition tax on accumulated foreign earnings from the 2017 Tax Cuts and Jobs Act. As of June 30, 2024, we have not resolved these matters and proceedings continue in the Tax Court.

**Note 15. Segment Information**

We report our financial results for our two reportable segments: Family of Apps (FoA) and Reality Labs (RL). FoA includes Facebook, Instagram, Messenger, WhatsApp, and other services. RL includes our virtual, augmented, and mixed reality related consumer hardware, software, and content. Our operating segments are the same as our reportable segments.

Revenue and costs and expenses are generally directly attributed to our segments. These costs and expenses include certain product development related operating expenses, costs associated with partnership arrangements, consumer hardware product costs, content costs, legal-related costs, and severance costs. Indirect costs are allocated to segments based on a reasonable allocation methodology, when such costs are significant to the performance measures of the operating segments. Indirect operating expenses, such as facilities, information technology, certain shared research and development activities, recruiting, physical security expenses, and certain restructuring costs, are mostly allocated based on headcount. Costs related to the operation of our data centers and technical infrastructure are generally allocated to our segments based on usage, most of which is allocated to the FoA segment.

The following table sets forth our segment information of revenue and income (loss) from operations (in millions):

	Three Months Ended June 30,		Six Months Ended June 30,	
	2024	2023	2024	2023
Revenue:				
Family of Apps	\$ 38,718	\$ 31,723	\$ 74,734	\$ 60,029
Reality Labs	353	276	793	616
Total revenue	<u>\$ 39,071</u>	<u>\$ 31,999</u>	<u>\$ 75,527</u>	<u>\$ 60,645</u>
Income (loss) from operations:				
Family of Apps	\$ 19,335	\$ 13,131	\$ 36,999	\$ 24,351
Reality Labs	(4,488)	(3,739)	(8,334)	(7,732)
Total income from operations	<u>\$ 14,847</u>	<u>\$ 9,392</u>	<u>\$ 28,665</u>	<u>\$ 16,619</u>

For information regarding revenue disaggregated by geography, see Note 2 — Revenue.

## **Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations**

*You should read the following discussion of our financial condition and results of operations in conjunction with our condensed consolidated financial statements and the related notes included elsewhere in this Quarterly Report on Form 10-Q and with our audited consolidated financial statements included in our Annual Report on Form 10-K for the year ended December 31, 2023, as filed with the Securities and Exchange Commission. In addition to our historical condensed consolidated financial information, the following discussion contains forward-looking statements that reflect our plans, estimates, and beliefs. Our actual results could differ materially from those discussed in the forward-looking statements. Factors that could cause or contribute to these differences include those discussed below and elsewhere in this Quarterly Report on Form 10-Q, particularly in Part II, Item 1A, "Risk Factors." For a discussion of limitations in the measurement of our Family metrics, see the section entitled "Limitations of Key Metrics and Other Data" in this Quarterly Report on Form 10-Q.*

*To supplement our condensed consolidated financial statements, which are prepared and presented in accordance with generally accepted accounting principles in the United States (GAAP), we present revenue on a constant currency basis, which is a non-GAAP financial measure. Revenue on a constant currency basis is presented in the section entitled "—Revenue—Foreign Exchange Impact on Revenue." To calculate revenue on a constant currency basis, we translated revenue for the three and six months ended June 30, 2024 using the prior year's monthly exchange rates for our settlement or billing currencies other than the U.S. dollar.*

*This non-GAAP financial measure is not intended to be considered in isolation or as a substitute for, or superior to, financial information prepared and presented in accordance with GAAP. This measure may be different from non-GAAP financial measures used by other companies, limiting its usefulness for comparison purposes. Moreover, presentation of revenue on a constant currency basis is provided for year-over-year comparison purposes, and investors should be cautioned that the effect of changing foreign currency exchange rates has an actual effect on our operating results. We believe this non-GAAP financial measure provides investors with useful supplemental information about the financial performance of our business, enables comparison of financial results between periods where certain items may vary independent of business performance, and allows for greater transparency with respect to key metrics used by management in operating our business.*

### **Executive Overview of Second Quarter Results**

Our mission is to give people the power to build community and bring the world closer together.

Our financial results and key Family metrics for the second quarter of 2024 are set forth below. Total revenue for the second quarter of 2024 was \$39.07 billion, an increase of 22% compared to the second quarter of 2023, due to an increase in advertising revenue. Revenue on a constant currency basis would have increased 23% compared to the second quarter of 2023. Ad impressions delivered across our Family of Apps in the second quarter of 2024 increased 10% year-over-year, and our average price per ad in the second quarter of 2024 increased 10% year-over-year.

## Consolidated and Segment Results

We report our financial results for our two reportable segments: Family of Apps (FoA) and Reality Labs (RL). FoA includes Facebook, Instagram, Messenger, WhatsApp, and other services. RL includes our virtual, augmented, and mixed reality related consumer hardware, software, and content.

	Family of Apps			Reality Labs			Total		
	Three Months Ended June 30,			Three Months Ended June 30,			Three Months Ended June 30,		
	2024	2023	% change	2024	2023	% change	2024	2023	% change
	<i>(in millions, except percentages)</i>								
Revenue	\$ 38,718	\$ 31,723	22%	\$ 353	\$ 276	28%	\$ 39,071	\$ 31,999	22%
Costs and expenses	\$ 19,383	\$ 18,592	4%	\$ 4,841	\$ 4,015	21%	\$ 24,224	\$ 22,607	7%
Income (loss) from operations	\$ 19,335	\$ 13,131	47%	\$ (4,488)	\$ (3,739)	(20)%	\$ 14,847	\$ 9,392	58%
Operating margin	50 %	41 %		(1,271)%	(1,355)%		38 %	29 %	

- Net income was \$13.47 billion, with diluted earnings per share (EPS) of \$5.16 for the three months ended June 30, 2024.
- Capital expenditures, including principal payments on finance leases, were \$8.47 billion for the three months ended June 30, 2024.
- Share repurchases were \$6.32 billion of our Class A common stock and dividend payments were \$1.27 billion for the three months ended June 30, 2024.
- Cash, cash equivalents, and marketable securities were \$58.08 billion as of June 30, 2024.
- Effective tax rate was 11% for the three months ended June 30, 2024.
- Headcount was 70,799 as of June 30, 2024, a decrease of 1% year-over-year.

### Family of Apps Metrics

- Family daily active people (DAP) was 3.27 billion on average for June 2024, an increase of 7% year-over-year.
- Ad impressions delivered across our Family of Apps in the second quarter of 2024 increased by 10% year-over-year.
- Average price per ad in the second quarter of 2024 increased by 10% year-over-year.

### Developments in Advertising

Substantially all of our revenue is currently generated from advertising on Facebook and Instagram. We rely on targeting and measurement tools that incorporate data signals from user activity on websites and services that we do not control, as well as signals generated within our products, in order to deliver relevant and effective ads to our users. Our advertising revenue has been, and we expect will continue to be, adversely affected by reduced marketer spending as a result of limitations on our ad targeting and measurement tools arising from changes to the regulatory environment and third-party mobile operating systems and browsers.

In particular, legislative and regulatory developments such as the General Data Protection Regulation, including its evolving interpretation through decisions of the Court of Justice of the European Union, ePrivacy Directive, European Digital Services Act, Digital Markets Act, and U.S. state privacy laws including the California Consumer Privacy Act, as amended by the California Privacy Rights Act, have impacted our ability to use data signals in our ad products, and we expect these and other developments will have further impact in the future. As a result, we have implemented, and we will continue to implement, whether voluntarily or otherwise, changes to our products and user data practices, which reduce our ability to effectively target and measure ads. For example, in response to regulatory developments in Europe, we announced our plans to change the legal basis for behavioral advertising on Facebook and Instagram in the EU, European Economic Area, and Switzerland from "legitimate interests" to "consent," and began offering users in the region a "subscription for no ads" alternative. We are engaging with regulators on our consent model. In addition, mobile operating system and browser providers, such as Apple and Google, have implemented product changes and/or announced future plans to limit the ability of websites and application developers to collect and use these signals to target and measure advertising. For example, in 2021, Apple made certain changes to its products and data use policies in connection with changes to its iOS operating system that

reduce our and other iOS developers' ability to target and measure advertising, which has negatively impacted, and we expect will continue to negatively impact, the size of the budgets marketers are willing to commit to us and other advertising platforms.

To mitigate these developments, we are continually working to evolve our advertising systems to improve the performance of our ad products. We are developing privacy enhancing technologies to deliver relevant ads and measurement capabilities while reducing the amount of personal information we process, including by relying more on anonymized or aggregated third-party data. In addition, we are developing tools that enable marketers to share their data into our systems, as well as ad products that generate more valuable signals within our apps. More broadly, we also continue to innovate our advertising tools to help marketers prepare campaigns and connect with consumers, including developing growing formats such as Reels ads and our business messaging ad products. Across all of these efforts, we are making significant investments in artificial intelligence (AI), including generative AI, to improve our delivery, targeting, and measurement capabilities. Further, we are focused on driving onsite conversions in our business messaging ad products by developing new features and scaling existing features.

We are also engaging with others across our industry to explore the possibility of new open standards for the private and secure processing of data for advertising purposes. We believe our ongoing improvements to ad targeting and measurement are continuing to drive improved results for advertisers. However, we expect that some of these efforts will be long-term initiatives, and that the legislative, regulatory and platform developments described above will continue to adversely impact our advertising revenue for the foreseeable future.

### ***Other Business and Macroeconomic Conditions***

Other global and regional business, macroeconomic, and geopolitical conditions also have had, and we believe will continue to have, an impact on our user growth and engagement and advertising revenue. In particular, we believe advertising budgets have been pressured from time to time by factors such as inflation, rising interest rates, and related market uncertainty, which has led to reduced marketer spending. While we saw improvement in business and macroeconomic conditions in recent periods, continued business, macroeconomic, and geopolitical uncertainty remains, which could impact our financial results in future periods. In addition, competitive products and services have reduced some users' engagement with our products and services. We are investing in Reels and in AI initiatives across our products, including our AI-powered discovery engine to recommend relevant content, which we have already seen results in improved user engagement and monetization of our products. While Reels is growing in usage, it monetizes at a lower rate than our Feed and Stories products and we expect it will continue to monetize at a lower rate for the foreseeable future. We also have seen fluctuations and declines in the size of our active user base in one or more regions from time to time. For example, in connection with the war in Ukraine, access to Facebook and Instagram was restricted in Russia and the services were then prohibited by the Russian government, which continued to adversely affect user growth and engagement in the second quarter of 2024. These trends adversely affected advertising revenue in the second quarter of 2024, and we expect will continue to affect our advertising revenue in the foreseeable future.

Although we regularly evaluate a variety of sources to understand trends in our advertising revenue, we do not have perfect visibility into the factors driving advertiser spending decisions and our assessments involve complex judgments about what is driving advertising decisions across a large and diversified advertiser base across the globe. Trends impacting advertising spend are also dynamic and interrelated. As a result, it is difficult to identify with precision which advertiser spending decisions are attributable to which trends, and we are unable to quantify the exact impact that each trend had on our advertising revenue during the periods presented.

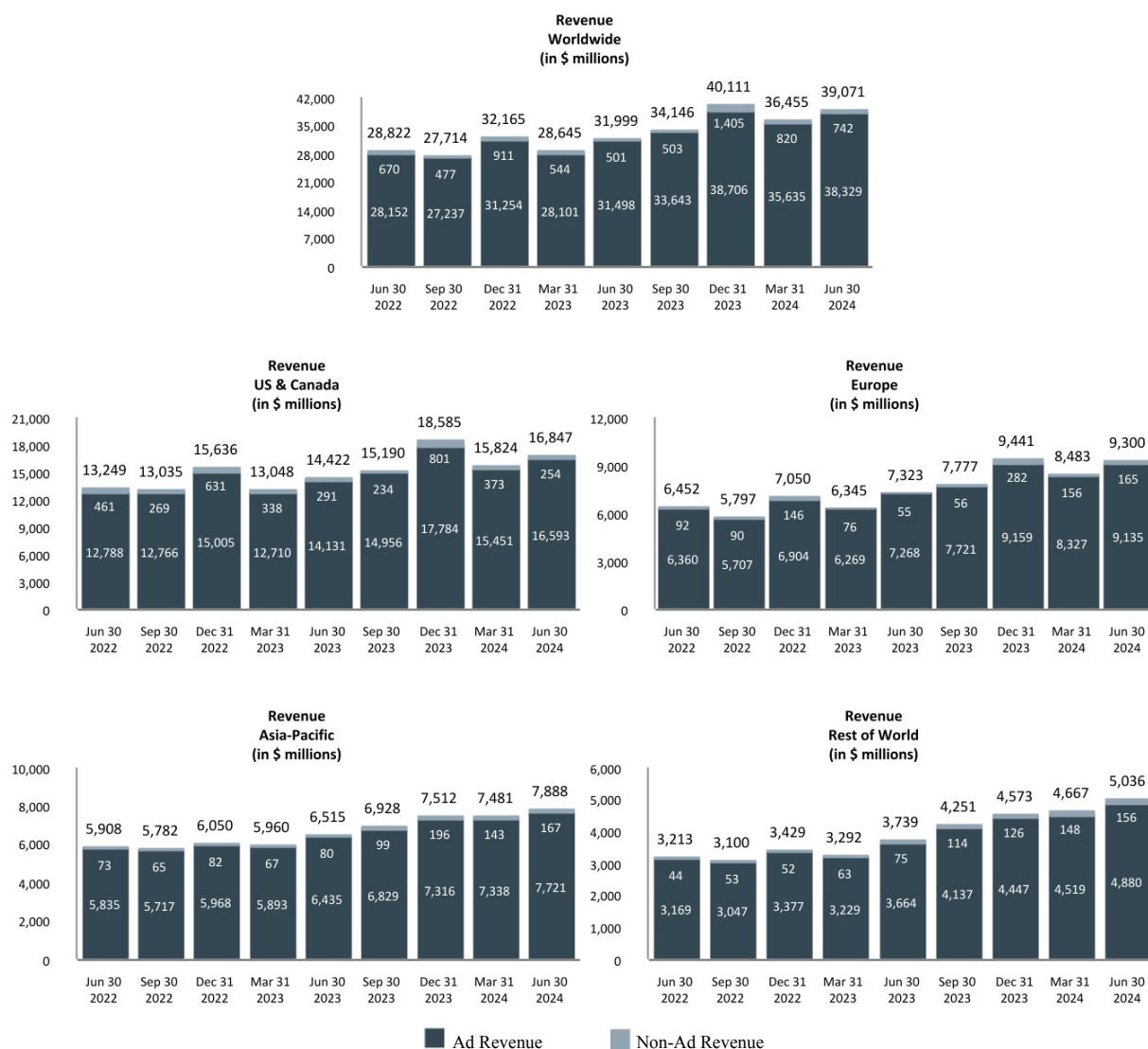
### ***Investment Philosophy***

We expect to continue to build on the discipline and habits that we developed in 2022 when we initiated several efforts to increase our operating efficiency, while still remaining focused on investing in significant opportunities. In the six months ended June 30, 2024, 81% of our total costs and expenses were recognized in FoA and 19% were recognized in RL. Our FoA investments include expenses relating to headcount, data centers, and technical infrastructure as part of our efforts to develop our apps and our advertising services. These efforts include significant investments in AI initiatives, including to recommend relevant content across our products, enhance our advertising tools, develop new products, and develop new features for existing products using generative AI. In particular, we expect our AI initiatives will require increased investment in infrastructure and headcount.

We are also making significant investments in our metaverse efforts, including developing virtual, augmented, and mixed reality devices, software for social platforms, neural interfaces, and other foundational technologies for the metaverse. Our RL investments include expenses relating to technology development across these efforts. Many of our RL investments are directed toward long-term, cutting-edge research and development for products for the metaverse that may only be fully realized in the next decade. During the six months ended June 30, 2024, our RL segment reduced our overall operating profit by approximately \$8.33 billion, and we continue to expect our RL operating losses to increase meaningfully in 2024. We expect this will be a complex, evolving, and long-term initiative, and our ability to support our metaverse efforts is dependent on generating sufficient profits from other areas of our business. We are investing now because we believe this is the next chapter of the internet and will unlock monetization opportunities for businesses, developers, and creators, including around advertising, hardware, and digital goods.

## Trends in Our Revenue by User Geography

We calculate our revenue by user geography based on our estimate of the geography in which ad impressions are delivered, virtual and digital goods are purchased, or consumer hardware products are shipped. The geography of our users affects our revenue and financial results. Our revenue in regions such as United States & Canada and Europe is relatively higher primarily due to the size and maturity of those online and mobile advertising markets, and ad impression growth is primarily in geographies that monetize at lower rates, such as Asia-Pacific and Rest of World. In the second quarter of 2024, revenue increased by 17% in United States & Canada, 27% in Europe, 21% in Asia-Pacific, and 35% in Rest of World, in each case relative to the same period in 2023.



Note: Non-advertising revenue includes RL revenue generated from the delivery of consumer hardware products and FoA Other revenue, which consists of revenue from WhatsApp Business Platform, net fees we receive from developers using our Payments infrastructure, and revenue from various other sources.

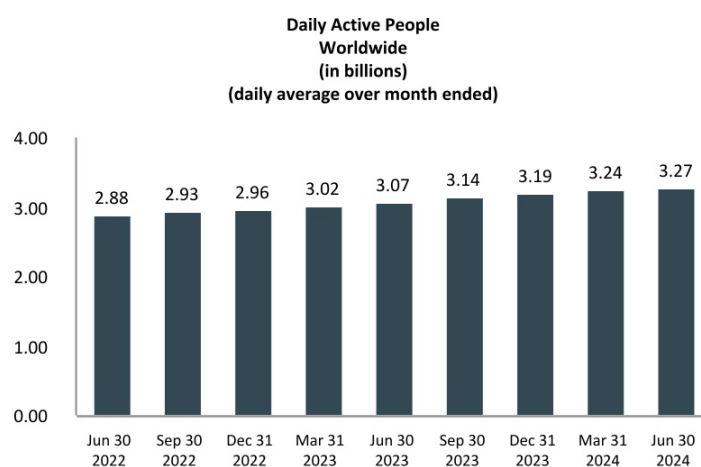
Our revenue by user geography in the charts above is geographically apportioned based on our estimation of the geographic location of our users when they perform a revenue-generating activity. This allocation differs from our revenue disaggregated by geography disclosure in Note 2 — Revenue in our condensed consolidated financial statements included in Part I, Item 1, "Financial Statements" where revenue is geographically apportioned based on the addresses of our customers.

## Trends in Our Family Metrics

The numbers for our key Family metrics, our DAP and average revenue per person (ARPP), do not include users on our other products unless they would otherwise qualify as DAP based on their other activities on our Family products.

Trends in the number of people in our community affect our revenue and financial results by influencing the number of ads we are able to show, the value of our ads to marketers, as well as our expenses and capital expenditures. Substantially all of our daily active people (as defined below) access our Family products on mobile devices.

- **Daily Active People (DAP).** We define a daily active person as a registered and logged-in user of Facebook, Instagram, Messenger, and/or WhatsApp (collectively, our "Family" of products) who visited at least one of these Family products through a mobile device application or using a web or mobile browser on a given day. We do not require people to use a common identifier or link their accounts to use multiple products in our Family, and therefore must seek to attribute multiple user accounts within and across products to individual people. Our calculations of DAP rely upon complex techniques, algorithms, and machine learning models that seek to estimate the underlying number of unique people using one or more of these products, including by matching user accounts within an individual product and across multiple products when we believe they are attributable to a single person, and counting such group of accounts as one person. As these techniques and models require significant judgment, are developed based on internal reviews of limited samples of user accounts, and are calibrated against user survey data, there is necessarily some margin of error in our estimates. We view DAP as a measure of engagement across our products. For additional information, see the section entitled "Limitations of Key Metrics and Other Data" in this Quarterly Report on Form 10-Q.

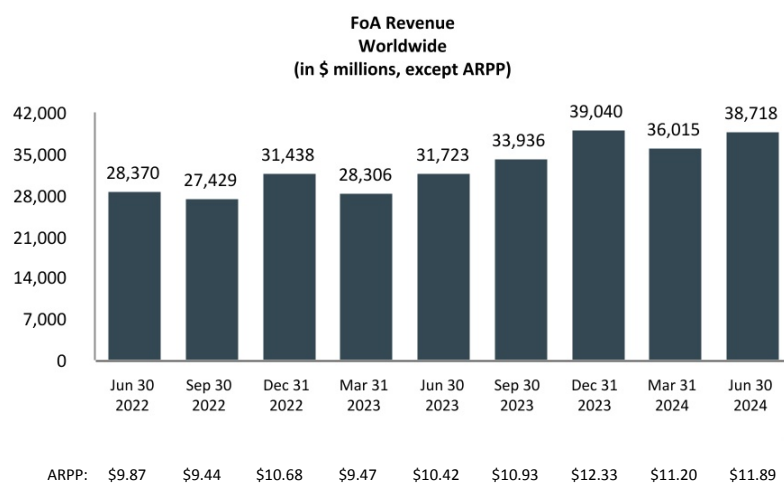


*Note: We report the numbers of DAP as specific amounts, but these numbers are estimates of the numbers of unique people using our products and are subject to statistical variances and errors. While we expect the error margin for these estimates to vary from period to period, we estimate that such margin generally will be approximately 3% of our worldwide DAP. At our scale, it is very difficult to attribute multiple user accounts within and across products to individual people, and it is possible that the actual numbers of unique people using our products may vary significantly from our estimates, potentially beyond our estimated error margins. For additional information, see the section entitled "Limitations of Key Metrics and Other Data" in this Quarterly Report on Form 10-Q. In the third quarter of 2022, we updated our Family metrics calculations to maintain calibration of our models against recent user survey data, and we estimate such update contributed an aggregate of approximately 30 million DAP to our reported worldwide DAP in September 2022. Beginning in the fourth quarter of 2023, our Family metrics no longer include Messenger Kids users.*

Worldwide DAP increased 7% to 3.27 billion on average during June 2024 from 3.07 billion during June 2023.



- **Average Revenue Per Person (ARPP).** Our Family of Apps (FoA) revenue represents the substantial majority of our total revenue. We define ARPP as our FoA revenue during a given quarter, divided by the average of the number of DAP at the beginning and end of the quarter.



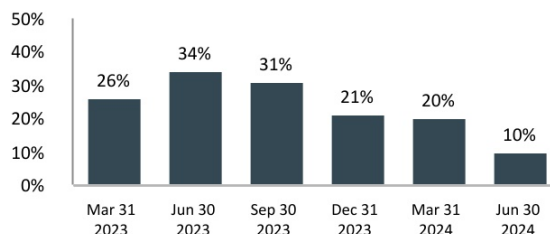
*Note: We updated our definition of ARPP beginning in the first quarter of 2024 and have recast ARPP in prior periods for comparative purposes.*

During the second quarter of 2024, worldwide ARPP was \$11.89, an increase of 14% from the second quarter of 2023.

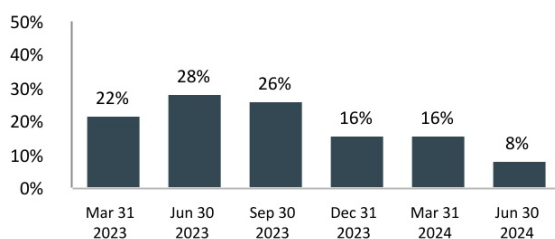
**Trends in Our Ad Impressions and Average Price Per Ad**

- **Ad Impressions.** Our advertising revenue is generated by displaying ad products on Facebook, Instagram, Messenger, and third-party mobile applications. Impressions are considered delivered when an ad is displayed to a user.

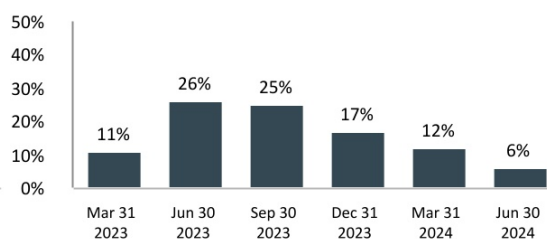
**Year-Over-Year Percentage Change  
in Ad Impressions Delivered  
Worldwide**



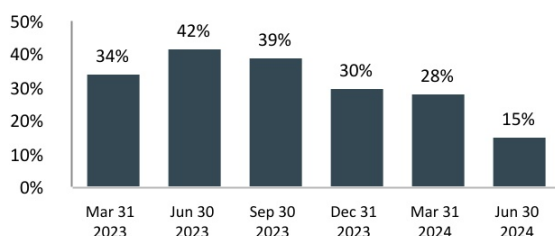
**Year-Over-Year Percentage Change  
in Ad Impressions Delivered  
US & Canada**



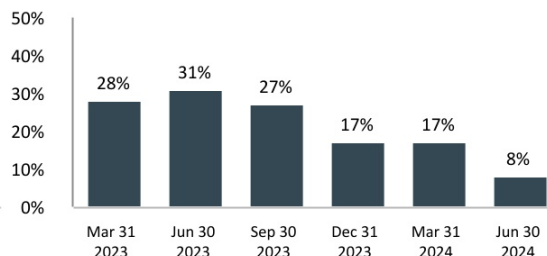
**Year-Over-Year Percentage Change  
in Ad Impressions Delivered  
Europe**



**Year-Over-Year Percentage Change  
in Ad Impressions Delivered  
Asia-Pacific**



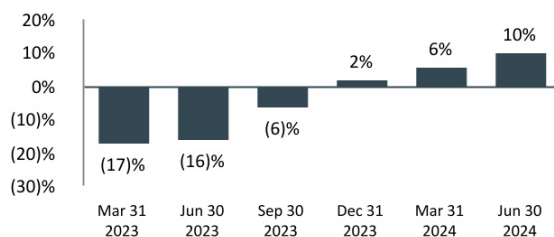
**Year-Over-Year Percentage Change  
in Ad Impressions Delivered  
Rest of World**



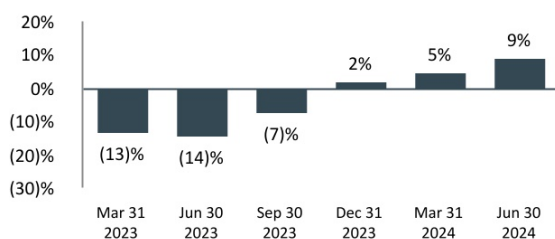
*Note: Our ad impressions growth by user geography in the charts above is geographically apportioned based on our estimation of the geographic location of our users when an ad impression is delivered.*

- **Average Price Per Ad.** We calculate average price per ad as total advertising revenue divided by the number of ads delivered.

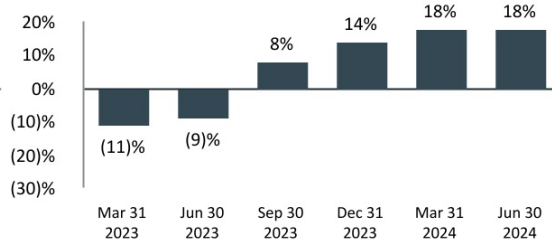
**Year-Over-Year Percentage Change  
in the Average Price Per Ad  
Worldwide**



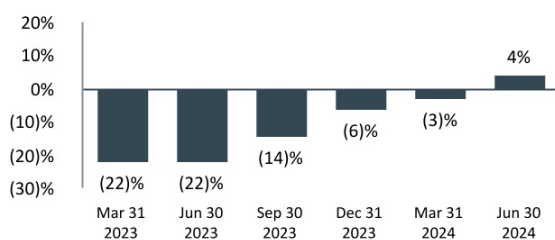
**Year-Over-Year Percentage Change  
in the Average Price Per Ad  
US & Canada**



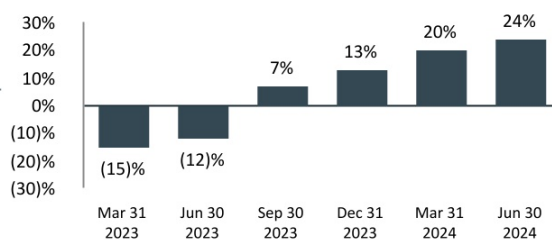
**Year-Over-Year Percentage Change  
in the Average Price Per Ad  
Europe**



**Year-Over-Year Percentage Change  
in the Average Price Per Ad  
Asia-Pacific**



**Year-Over-Year Percentage Change  
in the Average Price Per Ad  
Rest of World**



*Note: Our average price per ad growth by user geography in the charts above is geographically apportioned based on our estimation of the geographic location of our users when an ad impression is delivered.*

## Components of Results of Operations

### Revenue

#### *Family of Apps (FoA)*

**Advertising.** We generate substantially all of our revenue from advertising. Our advertising revenue is generated by displaying ad products on Facebook, Instagram, Messenger, and third-party mobile applications. Marketers pay for ad products either directly or through their relationships with advertising agencies or resellers, based on the number of impressions delivered or the number of actions, such as clicks, taken by users.

We recognize revenue from the display of impression-based ads in the contracted period in which the impressions are delivered. Impressions are considered delivered when an ad is displayed to a user. We recognize revenue from the delivery of action-based ads in the period in which a user takes the action the marketer contracted for. The number of ads we show is subject to methodological changes as we continue to evolve our ads business and the structure of our ads products. In particular, the ads we show may vary by product (for example, our video and Reels products are not currently monetized at the same rate as our Feed or Stories products), and from time to time we increase or decrease the number or frequency of ads we show as part of our product and monetization strategies. We calculate average price per ad as total advertising revenue divided by the number of ads delivered, representing the average price paid per ad by a marketer regardless of their desired objective such as impression or action. For advertising revenue arrangements where we are not the principal, we recognize revenue on a net basis.

**Other revenue.** Other revenue consists of revenue from WhatsApp Business Platform, net fees we receive from developers using our Payments infrastructure and revenue from various other sources.

#### *Reality Labs (RL)*

RL revenue is generated from the delivery of consumer hardware products, such as Meta Quest, wearables, and related software and content.

### Cost of Revenue and Operating Expenses

**Cost of revenue.** Our cost of revenue consists of expenses associated with the delivery and distribution of our products. These mainly include expenses related to the operation of our data centers and technical infrastructure, such as depreciation expense from servers, network infrastructure and buildings, as well as payroll and related expenses which include share-based compensation for employees on our operations teams, and energy and bandwidth costs. Cost of revenue also includes costs associated with partner arrangements, including traffic acquisition costs and credit card and other fees related to processing customer transactions; RL inventory costs, which consist of cost of products sold and estimated losses on non-cancelable contractual commitments; and content costs.

**Research and development.** Research and development expenses consist mostly of payroll and related expenses which include share-based compensation; RL technology development costs; facilities-related costs for employees on our engineering and technical teams who are responsible for developing new technologies and products as well as improving existing products; infrastructure costs; and restructuring charges.

**Marketing and sales.** Marketing and sales expenses consist mainly of marketing and promotional expenses as well as payroll and related expenses which include share-based compensation for our employees engaged in sales, sales support, marketing, business development, and customer service functions. Our marketing and sales expenses also include professional services such as content reviewers to support our community and product operations and restructuring charges.

**General and administrative.** General and administrative expenses consist primarily of legal-related costs, which include estimated fines, settlements, or other losses in connection with legal and related matters, as well as other legal fees; payroll and related expenses which include share-based compensation for certain of our executives as well as our legal, finance, human resources, corporate communications and policy, and other administrative employees; other taxes, such as digital services taxes and other non-income-based tax levies; professional services; and restructuring charges.

**Results of Operations**

The following table sets forth our condensed consolidated statements of income data (in millions):

	Three Months Ended June 30,		Six Months Ended June 30,	
	2024	2023	2024	2023
Revenue	\$ 39,071	\$ 31,999	\$ 75,527	\$ 60,645
Costs and expenses:				
Cost of revenue	7,308	5,945	13,948	12,054
Research and development	10,537	9,344	20,515	18,725
Marketing and sales	2,721	3,154	5,285	6,198
General and administrative	3,658	4,164	7,114	7,049
Total costs and expenses	24,224	22,607	46,862	44,026
Income from operations	14,847	9,392	28,665	16,619
Interest and other income (expense), net	259	(99)	624	(19)
Income before provision for income taxes	15,106	9,293	29,289	16,600
Provision for income taxes	1,641	1,505	3,455	3,102
Net income	\$ 13,465	\$ 7,788	\$ 25,834	\$ 13,498

The following table sets forth our condensed consolidated statements of income data (as a percentage of revenue)<sup>(1)</sup>:

	Three Months Ended June 30,		Six Months Ended June 30,	
	2024	2023	2024	2023
Revenue	100 %	100 %	100 %	100 %
Costs and expenses:				
Cost of revenue	19	19	18	20
Research and development	27	29	27	31
Marketing and sales	7	10	7	10
General and administrative	9	13	9	12
Total costs and expenses	62	71	62	73
Income from operations	38	29	38	27
Interest and other income (expense), net	1	—	1	—
Income before provision for income taxes	39	29	39	27
Provision for income taxes	4	5	5	5
Net income	34 %	24 %	34 %	22 %

(1) Percentages have been rounded for presentation purposes and may differ from unrounded results.

## Revenue

The following table sets forth our revenue by source and by segment:

	Three Months Ended June 30,			Six Months Ended June 30,		
	2024	2023	% change	2024	2023	% change
	<i>(in millions, except percentages)</i>					
Advertising	\$ 38,329	\$ 31,498	22 %	\$ 73,965	\$ 59,599	24 %
Other revenue	389	225	73 %	769	430	79 %
Family of Apps	38,718	31,723	22 %	74,734	60,029	24 %
Reality Labs	353	276	28 %	793	616	29 %
Total revenue	\$ 39,071	\$ 31,999	22 %	\$ 75,527	\$ 60,645	25 %

### Family of Apps

FoA revenue in the three and six months ended June 30, 2024 increased \$7.00 billion, or 22%, and \$14.70 billion, or 24%, respectively, compared to the same periods in 2023. The increases were almost entirely driven by advertising revenue.

#### Advertising

Advertising revenue in the three and six months ended June 30, 2024 increased \$6.83 billion, or 22%, and \$14.37 billion, or 24%, respectively, compared to the same periods in 2023 due to increases in ad impressions delivered and average price per ad. During the three and six months ended June 30, 2024, ad impressions delivered increased by 10% and 15%, respectively, year-over-year, as compared with increases of 34% and 30%, respectively, in the same periods in 2023 as ad impressions grew in all regions, especially in Asia-Pacific and Rest of World. The increases in ad impressions delivered were mostly driven by an increase in users and their engagement on our products. During the three and six months ended June 30, 2024, the average price per ad increased by 10% and 8%, respectively, year-over-year, as compared with decreases of 16% and 17%, respectively, in the same periods in 2023. The increases in average price per ad were driven by an increase in advertising demand which we believe is primarily due to ongoing improvements to our ad performance from our ad targeting and measurement tools. These increases were partially offset by a higher number of ad impressions delivered, especially in geographies and in products, such as Reels, that monetize at lower rates. Other factors are discussed in the section entitled "—Executive Overview of Second Quarter Results." In addition, year-over-year advertising revenue growth during the three and six months ended June 30, 2024 were mainly driven by increases in marketer spending in online commerce, gaming, as well as entertainment and media. We anticipate that future advertising revenue will be driven by a combination of price and ad impressions delivered.

#### Other revenue

FoA other revenue in the three and six months ended June 30, 2024 increased \$164 million, or 73%, and \$339 million, or 79%, respectively, compared to the same periods in 2023. The increases were primarily driven by WhatsApp Business Platform revenue.

### Reality Labs

RL revenue in the three and six months ended June 30, 2024 increased \$77 million, or 28%, and \$177 million, or 29%, respectively, compared to the same periods in 2023. The increases in RL revenue were driven by a net increase in the volume of Meta Quest sales.

### Foreign Exchange Impact on Revenue

Changes in foreign exchange rates had an unfavorable impact on our revenue in the three and six months ended June 30, 2024 compared to the same periods in 2023. To calculate revenue on a constant currency basis, we translated revenue using the prior year's monthly exchange rates for our settlement or billing currencies other than the U.S. dollar. Using these constant rates, for the three months ended June 30, 2024, our total revenue and advertising revenue would have been \$39.44 billion and \$38.70 billion, which were \$371 million and \$367 million higher than actual total revenue and

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advertising revenue, respectively. Using these constant rates, for the six months ended June 30, 2024, our total revenue and advertising revenue would have been \$75.79 billion and \$74.23 billion, which were \$265 million and \$261 million higher than actual total revenue and advertising revenue, respectively.

**Cost of revenue**

	Three Months Ended June 30,			Six Months Ended June 30,		
	2024	2023	% change	2024	2023	% change
	<i>(in millions, except percentages)</i>					
Cost of revenue	\$ 7,308	\$ 5,945	23 %	\$ 13,948	\$ 12,054	16 %
Percentage of revenue	19 %	19 %		18 %	20 %	

Cost of revenue in the three and six months ended June 30, 2024 increased \$1.36 billion, or 23%, and \$1.89 billion, or 16%, respectively, compared to the same periods in 2023. The increases were primarily due to increases in operational expenses related to our data centers and technical infrastructure, mostly from higher depreciation expense. In the three months ended June 30, 2024, the increase was also driven by higher RL inventory costs.

See Note 7 — Property and Equipment in the notes to the condensed consolidated financial statements included in Part I, Item 1, of this Quarterly Report on Form 10-Q for additional information regarding depreciation expense.

**Research and development**

	Three Months Ended June 30,			Six Months Ended June 30,		
	2024	2023	% change	2024	2023	% change
	<i>(in millions, except percentages)</i>					
Research and development	\$ 10,537	\$ 9,344	13 %	\$ 20,515	\$ 18,725	10 %
Percentage of revenue	27 %	29 %		27 %	31 %	

Research and development expenses in the three and six months ended June 30, 2024 increased \$1.19 billion, or 13%, or \$1.79 billion, or 10%, respectively, compared to the same periods in 2023. The increases were mostly due to higher payroll and related expenses and infrastructure costs for research and development, partially offset by lower restructuring charges.

The higher payroll and related expenses were mainly from a 9% growth in employee headcount from June 30, 2023 to June 30, 2024 in engineering and other technical functions supporting our continued investment in our family of products and Reality Labs.

See Note 3 — Restructuring in the notes to the condensed consolidated financial statements included in Part I, Item 1, of this Quarterly Report on Form 10-Q for additional information regarding restructuring charges.

**Marketing and sales**

	Three Months Ended June 30,			Six Months Ended June 30,		
	2024	2023	% change	2024	2023	% change
	<i>(in millions, except percentages)</i>					
Marketing and sales	\$ 2,721	\$ 3,154	(14)%	\$ 5,285	\$ 6,198	(15)%
Percentage of revenue	7 %	10 %		7 %	10 %	

Marketing and sales expenses in the three and six months ended June 30, 2024 decreased \$433 million, or 14%, and \$913 million, or 15%, respectively, compared to the same periods in 2023. The decreases were mainly due to decreases in restructuring charges and payroll and related expenses. In the six months ended June 30, 2024, the decrease was also driven by a decrease in product and community operations expenses.

See Note 3 — Restructuring in the notes to the condensed consolidated financial statements included in Part I, Item 1, of this Quarterly Report on Form 10-Q for additional information regarding restructuring charges.

### General and administrative

	Three Months Ended June 30,		% change	Six Months Ended June 30,		% change
	2024	2023		2024	2023	
	<i>(in millions, except percentages)</i>					
General and administrative	\$ 3,658	\$ 4,164	(12)%	\$ 7,114	\$ 7,049	1%
Percentage of revenue	9%	13%		9%	12%	

General and administrative expenses in the three months ended June 30, 2024 decreased \$506 million, or 12%, compared to the same period in 2023. The decrease was mostly due to lower legal-related costs.

General and administrative expenses in the six months ended June 30, 2024 increased \$65 million, or 1%, compared to the same period in 2023. The increase was driven by increases in other taxes and legal-related costs, partially offset by lower restructuring charges.

See Note 3 — Restructuring and Note 12 — Commitments and Contingencies in the notes to the condensed consolidated financial statements included in Part I, Item 1, of this Quarterly Report on Form 10-Q for additional information regarding restructuring charges and legal-related costs, respectively.

### Segment profitability

The following table sets forth income (loss) from operations by segment:

	Three Months Ended June 30,		% change	Six Months Ended June 30,		% change
	2024	2023		2024	2023	
	<i>(in millions, except percentages)</i>					
Family of Apps	\$ 19,335	\$ 13,131	47%	\$ 36,999	\$ 24,351	52%
Reality Labs	(4,488)	(3,739)	(20)%	(8,334)	(7,732)	(8)%
Total income from operations	\$ 14,847	\$ 9,392	58%	\$ 28,665	\$ 16,619	72%

#### Family of Apps

FoA income from operations in the three and six months ended June 30, 2024 increased \$6.20 billion, or 47%, and \$12.65 billion, or 52%, respectively, compared to the same periods in 2023. The increases in FoA income from operations were driven by higher advertising revenue which was partially offset by increases in costs and expenses. The increases in costs and expenses were mainly due to increases in operational expenses related to our data centers and technical infrastructure, mostly from higher depreciation expense as well as payroll and related costs. These increases were partially offset by lower restructuring charges.

#### Reality Labs

RL loss from operations in the three and six months ended June 30, 2024 increased \$749 million, or 20%, and \$602 million, or 8%, respectively, compared to the same periods in 2023, driven by increases in RL costs and expenses. RL costs and expenses increased primarily due to higher payroll and related costs. In the three months ended June 30, 2024, the increase was also driven by an increase in RL inventory costs.

See Note 3 — Restructuring, Note 7 — Property and Equipment, and Note 12 — Commitments and Contingencies in the notes to the condensed consolidated financial statements included in Part I, Item 1, of this Quarterly Report on Form 10-Q for additional information regarding restructuring charges, depreciation expense, and legal-related costs, respectively.



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**Interest and other income (expense), net**

	Three Months Ended June 30,			Six Months Ended June 30,		
	2024	2023	% change	2024	2023	% change
	<i>(in millions, except percentages)</i>					
Interest income	\$ 540	\$ 323	67 %	\$ 1,125	\$ 517	118 %
Interest expense	(128)	(116)	(10)%	(255)	(172)	(48)%
Foreign currency exchange losses, net	(168)	(145)	(16)%	(316)	(207)	(53)%
Other income (expense), net	15	(161)	109 %	70	(157)	145 %
Interest and other income (expense), net	\$ 259	\$ (99)	362 %	\$ 624	\$ (19)	NM

NM — not meaningful

Interest and other income (expense), net in the three and six months ended June 30, 2024 increased \$358 million and \$643 million, respectively, compared to the same periods in 2023. The increases in interest income were due to a combination of higher balances and higher interest rates, compared to the same periods in 2023.

**Provision for income taxes**

	Three Months Ended June 30,			Six Months Ended June 30,		
	2024	2023	% change	2024	2023	% change
	<i>(in millions, except percentages)</i>					
Provision for income taxes	\$ 1,641	\$ 1,505	9 %	\$ 3,455	\$ 3,102	11 %
Effective tax rate	11 %	16 %		12 %	19 %	

Our provision for income taxes in the three and six months ended June 30, 2024 increased \$136 million, or 9%, and \$353 million, or 11%, respectively, compared to the same periods in 2023, due to increases in income before provision for income taxes.

Our effective tax rate decreased in the three and six months ended June 30, 2024 compared to the same periods in 2023, primarily due to excess tax benefits recognized from share-based compensation.

*Effective Tax Rate Items.* Our effective tax rate in the future will depend upon the proportion between the following items and income before provision for income taxes: U.S. tax benefits from foreign-derived intangible income, tax effects from share-based compensation, research tax credit, tax effects from capital losses not expected to be utilized, restructurings, settlement of tax contingency items, tax effects of changes in our business, and the effects of changes in tax law.

The accounting for share-based compensation may increase or decrease our effective tax rate based upon the difference between our share-based compensation expense and the deductions taken on our tax return, which depend upon the stock price at the time of employee award vesting. If our stock price remains constant to the July 26, 2024 price, and absent any changes to our tax landscape, we expect our effective tax rate for the full year 2024 to be in the mid-teens. This includes the effects of the mandatory capitalization and amortization of research and development expenses incurred in 2024, as required by the 2017 Tax Cuts and Jobs Act (Tax Act). The mandatory capitalization requirement increases our 2024 cash tax liabilities materially but also decreases our effective tax rate due to increasing the foreign-derived intangible income deduction. If the mandatory capitalization is deferred, our effective tax rate in 2024 could be higher when compared to current law and our cash tax liabilities could be lower.

A number of countries have begun to enact legislation to implement the Organization for Economic Cooperation and Development's 15% global minimum tax regime with effect from January 1, 2024. We do not expect these changes to have a material impact on our consolidated financial statements for 2024. We continue to evaluate the impacts of proposed and enacted legislation with respect to the global minimum tax regime in the jurisdictions we operate in. Our effective tax rate and cash tax payments could increase in future years as further jurisdictions enact legislation.

See Note 14 — Income Taxes in the notes to the condensed consolidated financial statements included in Part I, Item 1, of this Quarterly Report on Form 10-Q for additional information regarding income tax contingencies.

## Liquidity and Capital Resources

Our principal sources of liquidity are our cash, cash equivalents, marketable securities, and cash generated from operations. Cash, cash equivalents, and marketable securities are comprised of cash on deposit with banks, time deposits, money market funds, U.S. government and agency securities, and investment grade corporate debt securities. As part of our cash management strategy, we concentrate cash deposits with large financial institutions and our investment holdings are in diversified highly rated securities. Cash, cash equivalents, and marketable securities were \$58.08 billion as of June 30, 2024, a decrease of \$7.32 billion from December 31, 2023. The decrease was mostly due to our capital returns of \$23.85 billion for repurchases of our Class A common stock and dividend payments, \$15.19 billion for capital expenditures, including principal payments on finance leases, and \$6.37 billion of taxes paid related to net share settlement of employee restricted stock unit (RSU) awards. These decreases were offset by \$38.62 billion of cash generated from operations.

The following table presents our cash flows (in millions):

	Six Months Ended June 30,	
	2024	2023
Net cash provided by operating activities	\$ 38,616	\$ 31,307
Net cash used in investing activities	\$ (17,032)	\$ (11,946)
Net cash used in financing activities	\$ (30,945)	\$ (5,224)

### *Cash Provided by Operating Activities*

Cash provided by operating activities during the six months ended June 30, 2024 mostly consisted of \$25.83 billion net income adjusted for certain non-cash items, such as \$8.18 billion of share-based compensation expense, and \$7.01 billion of depreciation and amortization expense. The increase in cash flows from operating activities during the six months ended June 30, 2024, compared to the same period in 2023, was due to an increase in cash collection from our customers driven by the increase in revenue, partially offset by higher cash paid for income taxes and other operational spending.

### *Cash Used in Investing Activities*

Cash used in investing activities during the six months ended June 30, 2024 mostly consisted of \$14.57 billion of net purchases of property and equipment as we continued to invest in servers, data centers, and network infrastructure and \$2.32 billion of net purchases of marketable debt securities. The increase in cash used in investing activities during the six months ended June 30, 2024, compared to the same period in 2023, was driven by increases in purchases of marketable debt securities and property and equipment.

We anticipate making capital expenditures of approximately \$37 billion to \$40 billion in 2024. We currently expect our capital expenditures to grow significantly in 2025 as we invest to support our AI research and product development efforts.

### *Cash Used in Financing Activities*

Cash used in financing activities during the six months ended June 30, 2024 mostly consisted of \$21.31 billion for repurchases of our Class A common stock, \$6.37 billion of taxes paid related to net share settlement of RSUs, and \$2.54 billion of cash dividends paid for our common stock. The increase in cash used in financing activities during the six months ended June 30, 2024, compared to the same period in 2023, was driven by increases in repurchases of our Class A common stock, taxes paid related to net share settlement of RSUs, and quarterly dividend payments that began in March 2024. In addition, the increase was also driven by net proceeds from debt offerings which took place in May 2023.

## **Material Cash Requirements**

We currently anticipate that our available funds and cash flow from operations and financing activities will be sufficient to meet our operational cash needs and fund our investments in infrastructure and AI initiatives, share repurchases and dividend payments for at least the next 12 months and thereafter for the foreseeable future. We continuously evaluate our liquidity and capital resources, including our access to external capital, to ensure we can finance our future capital requirements.

### ***Leases and Contractual Commitments***

Our operating lease obligations mostly include offices, data centers and colocations. Our facilities consolidation restructuring efforts did not materially change our operating lease obligations. Our contractual commitments are primarily related to our investments in servers, network infrastructure, and consumer hardware products in Reality Labs.

### ***Long-term Debt***

As of June 30, 2024, we had outstanding long-term debt in the form of senior unsecured notes for an aggregate principal amount of \$18.50 billion. These notes were issued in multiple series, which mature from 2027 through 2063. Short-term and long-term future interest payments obligations as of June 30, 2024 were \$848 million and \$15.97 billion, respectively.

### ***Capital Return Program***

Our board of directors has authorized a share repurchase program of our Class A common stock, which commenced in January 2017 and does not have an expiration date. During the six months ended June 30, 2024, we repurchased and subsequently retired 47 million shares of our Class A common stock for an aggregate amount of \$20.95 billion. As of June 30, 2024, \$60.10 billion remained available and authorized for repurchases.

During the six months ended June 30, 2024, we paid two quarterly cash dividends of \$0.50 per share of Class A and Class B common stock, totaling to \$2.54 billion. Subject to legally available funds and future declaration by our board of directors, we currently intend to continue to pay a quarterly cash dividend on our outstanding common stock.

### ***Taxes***

Cash paid for income taxes was \$6.56 billion during the six months ended June 30, 2024. As of June 30, 2024, we had taxes payable of \$718 million related to a one-time transition tax payable incurred as a result of the Tax Act, which is due within one year.

Our long-term income taxes include \$7.90 billion related to the uncertain tax positions as of June 30, 2024. Due to uncertainties in the timing of the completion of tax audits, the timing of the resolution of these positions is uncertain and we are unable to make a reasonably reliable estimate of the timing of payments.

### ***Loss Contingencies***

We are involved in legal proceedings, claims, and regulatory, tax or government inquiries and investigations. We record a liability when we believe that it is both probable that a liability has been incurred, and that the amount can be reasonably estimated. If we determine there is a reasonable possibility that we may incur a loss and the loss or range of loss can be estimated, we disclose the possible loss in the accompanying notes to the condensed consolidated financial statements to the extent material. Significant judgment is required to determine both probability and the estimated amount of loss. Such matters are inherently unpredictable and subject to significant uncertainties, some of which are beyond our control. Should any of these estimates and assumptions change or prove to be incorrect, it could have a material impact on our results of operations, financial position, and cash flows.

See Note 8 — Leases, Note 10 — Long-term Debt, Note 12 — Commitments and Contingencies, Note 13 — Stockholders' Equity, and Note 14 — Income Taxes in the notes to the condensed consolidated financial statements included in Part I, Item 1, and "Legal Proceedings" contained in Part II, Item 1 of this Quarterly Report on Form 10-Q for additional

information regarding leases and contractual commitments, debt, capital return program, taxes, and contingencies, respectively.

### **Critical Accounting Estimates**

Our condensed consolidated financial statements are prepared in accordance with U.S. GAAP. The preparation of these condensed consolidated financial statements requires us to make estimates and assumptions that affect the reported amounts of assets, liabilities, revenue, costs and expenses, and related disclosures. On an ongoing basis, we evaluate our estimates and assumptions based on historical experience and on various other assumptions that we believe are reasonable under the circumstances. Our actual results could differ from these estimates under different assumptions or conditions. Refer to "Critical Accounting Estimates" contained in Part II, Item 7 of our Annual Report on Form 10-K for the year ended December 31, 2023 for a complete discussion of our critical accounting estimates. There have been no material changes to our critical accounting estimates since our Annual Report on Form 10-K for the year ended December 31, 2023.

### **Item 3. Quantitative and Qualitative Disclosures About Market Risk**

There have been no material changes to our market risk during the six months ended June 30, 2024. For quantitative and qualitative disclosures about market risk, refer to Part II, Item 7A, Quantitative and Qualitative Disclosures About Market Risk, from our Annual Report on Form 10-K for the fiscal year ended December 31, 2023.

### **Item 4. Controls and Procedures**

#### **Evaluation of Disclosure Controls and Procedures**

Our management, with the participation of our chief executive officer (CEO) and chief financial officer (CFO), has evaluated the effectiveness of our disclosure controls and procedures (as defined in Rules 13a- 15(e) and 15d- 15(e) under the Securities Exchange Act of 1934, as amended (Exchange Act)), as of the end of the period covered by this Quarterly Report on Form 10-Q. Based on such evaluation, our CEO and CFO have concluded that as of June 30, 2024, our disclosure controls and procedures are designed at a reasonable assurance level and are effective to provide reasonable assurance that information we are required to disclose in reports that we file or submit under the Exchange Act is recorded, processed, summarized, and reported within the time periods specified in the rules and forms of the Securities and Exchange Commission, and that such information is accumulated and communicated to our management, including our CEO and CFO, as appropriate, to allow timely decisions regarding required disclosure.

#### **Changes in Internal Control**

There were no changes in our internal control over financial reporting identified in management's evaluation pursuant to Rules 13a-15(d) or 15d-15(d) of the Exchange Act during the period covered by this Quarterly Report on Form 10-Q that materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

#### **Limitations on Effectiveness of Controls and Procedures**

In designing and evaluating the disclosure controls and procedures and internal control over financial reporting, management recognizes that any controls and procedures, no matter how well designed and operated, can provide only reasonable assurance of achieving the desired control objectives. In addition, the design of disclosure controls and procedures and internal control over financial reporting must reflect the fact that there are resource constraints and that management is required to apply judgment in evaluating the benefits of possible controls and procedures relative to their costs.

## **PART II—OTHER INFORMATION**

### **Item 1. Legal Proceedings**

As a multinational company with a complex and evolving business, we are, and expect to continue to be, subject to numerous claims, litigation, regulatory, tax, and government inquiries and investigations, and other legal proceedings in jurisdictions around the world. Although we believe many of these matters are without merit and are vigorously defending them, we may not be successful. Any litigation to which we are a party may be resolved adversely or we may be subject to an unfavorable judgment that may not be reversed upon appeal. We may also decide to settle litigation, disputes, or other legal proceedings in some instances on terms that are unfavorable to us. In addition, we may become subject to orders or consent decrees imposed by government or regulatory authorities. Any such developments could cause us to incur substantial costs, expose us to civil and criminal liability (including liability for our personnel) or penalties (including substantial monetary remedies), interrupt or require us to change our business practices in a manner materially adverse to our business (including changes to our products and services or user data practices), result in negative publicity and reputational harm, divert resources and the time and attention of management from our business, or subject us to other structural or behavioral remedies that adversely affect our business. We have experienced such outcomes to varying degrees in the past, and we expect to continue to face a challenging litigation and regulatory environment, including in light of complex and evolving laws and regulations, as well as the scale of our business and the size of our user and advertiser base.

Over the last several years, the number and potential significance of the litigation and investigations involving the company have increased, and there can be no assurance that this trend will not continue. For example, we are facing numerous cases in the United States in which plaintiffs are attempting to avoid or limit the application of Section 230 of the Communications Decency Act to their claims and certain of those matters have survived motions to dismiss, including through the use of products liability theories. Outside of the United States, we are subject to new regulatory regimes, including the Digital Services Act, Digital Markets Act, and similar statutes in non-EU countries, and new fining guidelines under existing regulatory regimes like the General Data Protection Regulation (GDPR). We are facing inquiries and investigations regarding various aspects of our regulatory compliance, as well as private litigation in Europe, including class and mass actions, claiming damages and/or injunctions in respect of alleged failings to comply with such regulatory requirements. We are also responding to litigation and government investigations related to our alleged role in causing or contributing to various societal harms, including mental and physical health and safety impacts on users, particularly younger users, child and adult sexual exploitation, illegal activity with respect to drugs, fraud, unlawful discrimination, and other harms potentially impacting large numbers of people. This is in addition to significant tax, competition and antitrust, stockholder, commercial, consumer, and privacy litigation and investigations. Furthermore, as the number of our users and amount of our revenue have grown, our potential exposure to substantial damages awards and fines has increased.

In some instances, particularly with novel legal and factual claims, new regulatory regimes or statutes that have not previously been enforced, or where the nature or type of enforcement pursued against us is novel, it can be very difficult to assess the likelihood or extent of potential liabilities, including the nature and extent of injunctive or other non-monetary relief and the applicability and amount of any fines or penalties. While we have identified below certain matters that we believe to be material, there can be no assurance that additional material losses or limitations on our activities will not result from claims that have not yet been asserted or are not yet determined to be material.

### **Privacy and Related Matters**

Beginning on March 20, 2018, multiple putative class actions were filed in state and federal courts in the United States and elsewhere against us and certain of our directors and officers alleging various causes of action in connection with our platform and user data practices as well as the misuse of certain data by a developer that shared such data with third parties in violation of our terms and policies, and seeking unspecified damages and injunctive relief. With respect to the putative class actions alleging fraud and violations of consumer protection, privacy, and other laws in connection with the same matters, several of the cases brought on behalf of consumers in the United States were consolidated in the U.S. District Court for the Northern District of California (*In re Facebook, Inc., Consumer Privacy User Profile Litigation*). On September 9, 2019, the court granted, in part, and denied, in part, our motion to dismiss the consolidated putative consumer class action. On December 22, 2022, the parties entered into a settlement agreement to resolve the lawsuit, which provides for a payment of \$725 million by us. The settlement was approved by the court on October 10, 2023, and the payment was made in November 2023. In addition, our platform and user data practices, as well as the events surrounding the misuse of certain data by a developer, became the subject of U.S. Federal Trade Commission (FTC), state attorneys general, and other government inquiries in the United States, Europe, and other jurisdictions. We entered into a settlement and modified consent order to

resolve the FTC inquiry, which took effect in April 2020 and required us to pay a penalty of \$5.0 billion and to significantly enhance our practices and processes for privacy compliance and oversight. The state attorneys general inquiry and certain government inquiries in other jurisdictions remain ongoing and could subject us to additional substantial fines and costs, require us to change our business practices, divert resources and the attention of management from our business, or adversely affect our business. On July 16, 2021, a stockholder derivative action was filed in Delaware Court of Chancery against certain of our directors and officers asserting breach of fiduciary duty and related claims relating to our historical platform and user data practices, as well as our settlement with the FTC. On July 20, 2021, other stockholders filed an amended derivative complaint in a related Delaware Chancery Court action, asserting breach of fiduciary duty and related claims against certain of our current and former directors and officers in connection with our historical platform and user data practices. On November 4, 2021, the lead plaintiffs filed a second amended and consolidated complaint in the stockholder derivative action. The pending consolidated matter is *In re Facebook Inc. Derivative Litigation*. On January 19, 2022, we filed a motion to dismiss, which was denied in part on May 10, 2023. The insider trading claim was dismissed as to all defendants except Mark Zuckerberg, and the motion was denied as to the breach of fiduciary duty claims.

On May 3, 2023, the FTC filed a public administrative proceeding (*In the Matter of Facebook, Inc.*) seeking substantial changes to the modified consent order, which took effect in April 2020 after its entry by the U.S. District Court for the District of Columbia. The changes sought by the FTC are set forth in a proposed order and include, among others, a prohibition on our use of minors' data for any commercial purposes, changes to the composition of our board of directors, and significant limitations on our ability to modify and launch new products. On May 31, 2023, we filed a motion before the U.S. District Court for the District of Columbia (*USA v. Facebook, Inc.*) seeking to enjoin the FTC from further pursuing its agency process to modify the modified consent order. On November 27, 2023, the district court denied our motion, and we then appealed to the U.S. Court of Appeals for the District of Columbia Circuit (*U.S. v. Facebook, Inc.*) and sought to stay the FTC proceeding pending resolution of the appeal. Our motion for a stay pending appeal was denied in March 2024 and the underlying appeal is fully briefed with our reply brief filed on July 12, 2024. Oral argument has not been scheduled.

On November 29, 2023, we separately filed a complaint, also in the U.S. District Court for the District of Columbia (*Meta Platforms, Inc. v. FTC*), asserting constitutional challenges to the structure of the FTC, and seeking to preliminarily enjoin the FTC proceeding during the pendency of the litigation. On December 13, 2023, the FTC filed an opposition to our motion for preliminary injunction and a motion to dismiss the complaint. On March 14, 2024, the district court denied our motion to preliminarily enjoin the FTC proceeding during the pendency of the litigation, and also denied the FTC's motion to dismiss our complaint without prejudice, pending the Supreme Court's decision in *SEC v. Jarkesy* (*Jarkesy*). Our motion for a stay of the FTC proceeding pending appeal was denied in March 2024. Both the district court action and the appeal were stayed pending the Supreme Court's decision in *Jarkesy*. Following the Supreme Court's ruling in *Jarkesy* on June 27, 2024, the district court entered an agreed order requiring the FTC to file its anticipated renewed motion to dismiss by August 14, 2024. On July 18, 2024, we filed an unopposed motion to stay the appeal of the district court's denial of our motion for preliminary injunction pending resolution of the FTC's renewed motion to dismiss. On July 24, 2024, the circuit court granted the motion for a stay. The parties are required to report back to the circuit court within 30 days of the district court's disposition of the FTC's motion to dismiss.

On April 1, 2024, we filed our response to the FTC's Order to Show Cause, arguing that the Order to Show Cause proceeding was legally improper. We filed a reply to the FTC's response on July 18, 2024 and expect the FTC to schedule oral argument on these legal issues. Through the administrative process, the FTC could amend the order to impose the additional requirements set forth in the proposed order. We should have the opportunity to appeal an FTC decision modifying the order and could request the appellate court to stay the enforcement of the modifications to the order while the appeal is pending. It is unclear whether the appeal or the request for a stay would be successful.

We also notify the Irish Data Protection Commission (IDPC), our lead European Union privacy regulator under the GDPR, of certain other personal data breaches and privacy issues, and are subject to inquiries and investigations by the IDPC and other European regulators regarding various aspects of our regulatory compliance. For example, the IDPC is continuing to assess the compliance of our "subscription for no ads" consent model with requirements under the GDPR. In addition, on May 12, 2023, the IDPC issued a Final Decision concluding that Meta Platforms Ireland's reliance on Standard Contractual Clauses in respect of certain transfers of European Economic Area (EEA) Facebook user data was not in compliance with the GDPR. The IDPC issued an administrative fine of EUR €1.2 billion as well as corrective orders requiring Meta Platforms Ireland to suspend the relevant transfers and to bring its processing operations into compliance with Chapter V GDPR by ceasing the unlawful processing, including storage, of such data in the United States. We are appealing this Final Decision and it is currently subject to an interim stay from the Irish High Court. On October 7, 2022, President Biden signed the Executive Order on Enhancing Safeguards for United States Signals Intelligence Activities (E.O.), and on June 30, 2023, the

European Union and the three additional countries making up the EEA were designated by the United States Attorney General as a "qualifying state" under Section 3(f) of the E.O. On July 10, 2023, the European Commission adopted an adequacy decision in relation to the United States. The adequacy decision concludes that the United States ensures an adequate level of protection for personal data transferred from the European Union to organizations in the United States that are included in the "Data Privacy Framework List," maintained and made publicly available by the United States Department of Commerce pursuant to the EU-U.S. Data Privacy Framework (EU-U.S. DPF). The implementation of the EU-U.S. DPF and the adequacy decision are important and welcome milestones, and we are implementing steps to comply with the above corrective orders following engagement with the IDPC. For additional information, see Part II, Item 1A, "Risk Factors—Our business is subject to complex and evolving U.S. and foreign laws and regulations regarding privacy, data use, data combination, data protection, content, competition, safety and consumer protection, e-commerce, and other matters" in this Quarterly Report on Form 10-Q. Any such inquiries or investigations (including the IDPC proceedings) could subject us to substantial fines and costs, require us to change our business practices, divert resources and the attention of management from our business, or adversely affect our business.

On February 14, 2022, the State of Texas filed a lawsuit against us in Texas state court (*Texas v. Meta Platforms, Inc.*) alleging that "tag suggestions" and other uses of facial recognition technology violate the Texas Capture or Use of Biometric Identifiers Act and the Texas Deceptive Trade Practices-Consumer Protection Act, and seeking statutory damages and injunctive relief. On July 29, 2024, the parties entered into a settlement agreement to resolve the lawsuit, which provides for a payment of \$1.4 billion by us. On July 30, 2024, the court entered judgment, dismissing the case.

Beginning on June 7, 2021, multiple putative class actions were filed against us alleging that we improperly received individuals' information from third-party websites or apps via our business tools in violation of our terms and various state and federal laws and seeking unspecified damages and injunctive relief (for example, *In re Meta Pixel Healthcare Litigation*; *In re Meta Pixel Tax Filing Cases*; *Frasco v. Flo Health, Inc.*; *Doe v. Hey Favor, Inc. et al.*; *Doe v. GoodRx Holdings, Inc. et al.* in the U.S. District Court for the Northern District of California; and *Rickwalder, et al. v. Meta Platforms, Inc.* in the Santa Clara County Superior Court). These cases are in different stages, but several of our motions to dismiss have been denied in whole or in part, while certain others have been granted in whole or in part. We are currently in discovery and litigating class certification in the cases that are most advanced.

## Competition

We are subject to various litigation and government inquiries and investigations, formal or informal, by competition authorities in the United States, Europe, and other jurisdictions. Such investigations, inquiries, and lawsuits concern, among other things, our business practices in the areas of social networking or social media services, digital advertising, and/or mobile or online applications, as well as our acquisitions. For example, in 2019 we became the subject of antitrust investigations by the FTC and U.S. Department of Justice. On December 9, 2020, the FTC filed a complaint (*FTC v. Meta Platforms, Inc.*) against us in the U.S. District Court for the District of Columbia alleging that we engaged in anticompetitive conduct and unfair methods of competition in violation of Section 5 of the Federal Trade Commission Act and Section 2 of the Sherman Act, including by acquiring Instagram in 2012 and WhatsApp in 2014 and by maintaining conditions on access to our platform. The FTC sought a permanent injunction against our company's alleged violations of the antitrust laws, and other equitable relief, including divestiture or reconstruction of Instagram and WhatsApp. On June 28, 2021, the court granted our motion to dismiss the complaint filed by the FTC with leave to amend. On August 19, 2021, the FTC filed an amended complaint, and on October 4, 2021, we filed a motion to dismiss this amended complaint. On January 11, 2022, the court denied our motion to dismiss the FTC's amended complaint. On April 5, 2024, we filed our motion for summary judgment and the FTC filed its opposition and its own motion for partial summary judgment on May 24, 2024. Briefing on the motions for summary judgment will conclude on August 9, 2024. Multiple putative class actions have also been filed in state and federal courts in the United States and in the United Kingdom against us alleging violations of antitrust laws and other causes of action in connection with these acquisitions and/or other alleged anticompetitive conduct, and seeking damages and injunctive relief. Several of the cases brought on behalf of certain advertisers and users in the United States were consolidated in the U.S. District Court for the Northern District of California (*Klein et al. v. Meta Platforms, Inc.*). On January 14, 2022, the court granted, in part, and denied, in part, our motion to dismiss the consolidated actions. On March 1, 2022, a first amended consolidated complaint was filed in the putative class action brought on behalf of certain advertisers. On December 6, 2022, the court denied our motion to dismiss the first amended consolidated complaint filed in the putative class action brought on behalf of certain advertisers. In December 2022, the European Commission issued a Statement of Objections alleging that we tie Facebook Marketplace to Facebook and use data in a manner that infringes European Union competition rules.



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In March 2024, the European Commission opened an investigation into the compliance of our “subscription for no ads” consent model with requirements under Article 5(2) of the Digital Markets Act. The European Commission issued preliminary findings on July 1, 2024 reflecting its preliminary view that our model does not comply with such requirements, and indicated that it will conclude its investigation by March 2025.

On February 6, 2019, the German Federal Cartel Office (FCO) issued an antitrust injunction order claiming that our terms and policies on data sharing across our apps, and collection from third-party websites via our business tools, breached European data protection principles and German competition law. We brought a lawsuit seeking to invalidate the order on February 11, 2019.

The result of such litigation, investigations or inquiries could subject us to substantial monetary remedies and costs, interrupt or require us to change our business practices, divert resources and the attention of management from our business, or subject us to other structural or behavioral remedies that adversely affect our business.

### **Securities and Other Actions**

Beginning on March 20, 2018, multiple putative class actions and derivative actions were filed in state and federal courts in the United States and elsewhere against us and certain of our directors and officers alleging violations of securities laws, breach of fiduciary duties, and other causes of action in connection with our platform and user data practices as well as the misuse of certain data by a developer that shared such data with third parties in violation of our terms and policies, and seeking unspecified damages and injunctive relief. Beginning on July 27, 2018, two putative class actions were filed in federal court in the United States against us and certain of our directors and officers alleging violations of securities laws in connection with the disclosure of our earnings results for the second quarter of 2018 and seeking unspecified damages. These two actions subsequently were transferred and consolidated in the U.S. District Court for the Northern District of California (*In Re Facebook, Inc. Securities Litigation*) with the putative securities class action described above relating to our platform and user data practices. In a series of orders in 2019 and 2020, the district court granted our motions to dismiss the plaintiffs' claims. On January 17, 2022, the plaintiffs filed a notice of appeal of the order dismissing their case, and on October 18, 2023, the U.S. Court of Appeals for the Ninth Circuit issued its decision affirming in part and reversing in part the district court's order dismissing the plaintiffs' case. We filed a petition for writ of certiorari on March 4, 2024 with the U.S. Supreme Court, seeking review of the Ninth Circuit's order. On June 10, 2024, the U.S. Supreme Court granted in part our petition for writ of certiorari.

We are also subject to other government inquiries and investigations relating to our business activities and disclosure practices. For example, beginning in September 2021, we became subject to government investigations and requests relating to a former employee's allegations and release of internal company documents concerning, among other things, our algorithms, advertising and user metrics, and content enforcement practices, as well as misinformation and other undesirable activity on our platform, and user well-being. We have since received additional requests relating to these and other topics. Beginning on October 27, 2021, multiple putative class actions and derivative actions were filed in the U.S. District Court for the Northern District of California against us and certain of our directors and officers alleging violations of securities laws, breach of fiduciary duties, and other causes of action in connection with the same matters, and seeking unspecified damages. *Ohio Pub. Empl. Ret. Sys. v. Meta Platforms, Inc.*

On March 8, 2022, a putative class action was filed in the U.S. District Court for the Northern District of California against us and certain of our directors and officers alleging violations of securities laws in connection with the disclosure of our earnings results for the fourth quarter of 2021 and seeking unspecified damages (*Plumbers & Steamfitters Local 60 Pension Trust v. Meta Platforms, Inc.*). On July 18, 2023, the court dismissed the claims against Meta and its officers with leave to amend. On September 18, 2023, the plaintiffs filed an amended complaint.

### **Youth-Related Actions**

Beginning in January 2022, we became subject to litigation and other proceedings that were filed in various federal and state courts alleging that Facebook and Instagram cause "social media addiction" in users, with most proceedings focused on those under 18 years old, resulting in various mental health and other harms. Putative class actions have been filed in the United States and Canada on behalf of users in those jurisdictions, and numerous school districts, municipalities, and tribal nations, have filed public nuisance claims in the United States and/or Canada based on similar allegations. On October 6, 2022, these U.S. federal cases were centralized in the U.S. District Court for the Northern District of California (*In re Social Media Adolescent Addiction Product Liability Personal Injury Litigation*). Beginning in March 2023, U.S. states began filing

lawsuits on these topics in various federal and state courts. These additional lawsuits include allegations regarding violations of the Children's Online Privacy Protection Act (COPPA) as well as violations of state laws concerning consumer protection, unfair business practices, public nuisance, and products liability, with proceedings focused on our alleged business practices (including the use of end-to-end encryption) and harms to users under 18 years old. These lawsuits seek damages and injunctive relief, and include cases filed by various state attorneys general in *In re Social Media Adolescent Addiction Product Liability Personal Injury Litigation* in the U.S. District Court for the Northern District of California, as well as various state courts around the country. We are also subject to government investigations and requests from multiple regulators in various jurisdictions globally concerning the use of our products and services, and the alleged mental and physical health and safety impacts on users, particularly younger users. On May 16, 2024, the European Commission opened formal proceedings assessing our compliance with certain requirements under Articles 28, 34, and 35 of the Digital Services Act (DSA), including the way in which we identified, assessed, and mitigated against certain systemic risks to minors and other vulnerable users that may stem from the design and functioning of Instagram and Facebook.

## Other Actions

Beginning on August 15, 2018, multiple putative class actions were filed against us alleging that we inflated our estimates of the potential audience size for advertisements, resulting in artificially increased demand and higher prices. The cases were consolidated in the U.S. District Court for the Northern District of California (*DZ Reserve v. Facebook, Inc.*) and seek unspecified damages and injunctive relief. In a series of rulings in 2019, 2021, and 2022, the court dismissed certain of the plaintiffs' claims, but permitted their fraud and unfair competition claims to proceed. On March 29, 2022, the court granted the plaintiffs' motion for class certification. On March 21, 2024, the U.S. Court of Appeals for the Ninth Circuit affirmed in part and reversed in part the order granting class certification. On May 3, 2024, we filed a petition for panel rehearing and rehearing en banc.

Beginning on July 7, 2023, multiple putative class actions were filed against us in the U.S. District Court for the Northern District of California (*Kadrey, et al. v. Meta Platforms, Inc. and Chabon, et al. v. Meta Platforms, Inc.*) and U.S. District Court for the Southern District of New York (*Huckabee, et al. v. Meta Platforms, Inc. et al.*, which was subsequently transferred to the U.S. District Court for the Northern District of California) alleging that we used various copyrighted books and materials to train our artificial intelligence models, and seeking unspecified damages and injunctive relief. These cases have all been consolidated into *Kadrey, et al. v. Meta Platforms, Inc.*

In the first quarter of 2024, the U.S. Supreme Court heard argument in *Vivek H. Murthy, Surgeon General, et al. v. Missouri, et al.*, on the question of whether federal government officials violated the First Amendment in their communications with the company and others related to content moderation practices, and heard argument in *Netchoice, et al. v. Paxton and Moody, et al. v. Netchoice et al.*, regarding the application of the First Amendment relating to content moderation on tech platforms. As to *Murthy*, a majority of the Supreme Court decided the case on plaintiffs' standing, declining to rule on the First Amendment questions. As to *NetChoice*, the Supreme Court unanimously vacated the intermediate appellate court decisions, remanding the cases back to the lower courts. Although we are not a party in these actions, the ultimate resolution of the lawsuits could impact our business.

On April 30, 2024, the European Commission opened formal proceedings against us to assess Facebook and Instagram's compliance with certain requirements under Articles 14, 16, 17, 20, 24, 25, 34, 35, and 40 of the DSA, regarding a range of topics including elections, content reporting and appeals, third-party access to data, political content recommendations, potential deceptive advertising and disinformation, including the way in which we identified, assessed, and mitigated against certain systemic risks on Instagram and Facebook.

In addition, we are subject to litigation and other proceedings involving law enforcement and other regulatory agencies, including in particular in Brazil, Russia, and other countries in Europe, in order to ascertain the precise scope of our legal obligations to comply with the requests of those agencies, including our obligation to disclose user information in particular circumstances. A number of such instances have resulted in the assessment of fines and penalties against us. We believe we have multiple legal grounds to satisfy these requests or prevail against associated fines and penalties, and we intend to vigorously defend such fines and penalties.

We are also party to various other legal proceedings, claims, and regulatory, tax or government inquiries and investigations that arise in the ordinary course of business, and we expect to be subject to additional legal proceedings and disputes in the future.

## **Item 1A. Risk Factors**

*Certain factors may have a material adverse effect on our business, financial condition, and results of operations. You should consider carefully the risks and uncertainties described below, in addition to other information contained in this Quarterly Report on Form 10-Q, including our condensed consolidated financial statements and related notes. The risks and uncertainties described below are not the only ones we face. Additional risks and uncertainties that we are unaware of, or that we currently believe are not material, may also become important factors that adversely affect our business. If any of the following risks actually occurs, our business, financial condition, results of operations, and future prospects could be materially and adversely affected. In that event, the trading price of our Class A common stock could decline, and you could lose part or all of your investment.*

### **Summary Risk Factors**

Our business is subject to a number of risks, including risks that may prevent us from achieving our business objectives or may adversely affect our business, financial condition, results of operations, cash flows, and prospects. These risks are discussed more fully below and include, but are not limited to, risks related to:

#### ***Risks Related to Our Product Offerings***

- our ability to add and retain users and maintain levels of user engagement with our products;
- the loss of, or reduction in spending by, our marketers;
- reduced availability of data signals used by our ad targeting and measurement tools;
- ineffective operation with mobile operating systems or changes in our relationships with mobile operating system partners;
- failure of our new products, or changes to our existing products, to attract or retain users or generate revenue;

#### ***Risks Related to Our Business Operations and Financial Results***

- our ability to compete effectively;
- fluctuations in our financial results;
- unfavorable media coverage and other risks affecting our ability to maintain and enhance our brands;
- our ability to build, maintain, and scale our technical infrastructure, and risks associated with disruptions in our service, catastrophic events, and crises;
- operating our business in multiple countries around the world;
- acquisitions and our ability to successfully integrate our acquisitions;
- litigation, including class action lawsuits;

#### ***Risks Related to Government Regulation and Enforcement***

- government restrictions on access to Facebook or our other products, or other actions that impair our ability to sell or deliver advertising, in their countries;
- complex and evolving U.S. and foreign privacy, data use, data combination, data protection, content, competition, consumer protection, and other laws and regulations, including the General Data Protection Regulation (GDPR), Digital Markets Act (DMA), Digital Services Act (DSA), and the UK Digital Markets, Competition and Consumer Act (DMCC);
- the impact of government investigations, enforcement actions, and settlements, including litigation and investigations by privacy, consumer protection, and competition authorities, among others;
- our ability to comply with regulatory and legislative privacy requirements, including our consent order with the Federal Trade Commission (FTC);

***Risks Related to Data, Security, Platform Integrity, and Intellectual Property***

- the occurrence of security breaches, improper access to or disclosure of our data or user data, and other cyber incidents, as well as intentional misuse of our services and other undesirable activity on our platform;
- our ability to obtain, maintain, protect, and enforce our intellectual property rights; and

***Risks Related to Ownership of Our Class A Common Stock***

- limitations on the ability of holders of our Class A Common Stock to influence corporate matters due to the dual class structure of our common stock and the control of a majority of the voting power of our outstanding capital stock by our founder, Chairman, and Chief Executive Officer (CEO).

**Risks Related to Our Product Offerings**

***If we fail to retain existing users or add new users, or if our users decrease their level of engagement with our products, our revenue, financial results, and business may be significantly harmed.***

The size of our active user base and our users' level of engagement across our products are critical to our success. Our financial performance has been and will continue to be significantly determined by our success in adding, retaining, and engaging active users of our products that deliver ad impressions, particularly for Facebook and Instagram. We have experienced, and expect to continue to experience, fluctuations and declines in the size of our active user base in one or more markets from time to time, particularly in markets where we have achieved higher penetration rates. User growth and engagement are also impacted by a number of other factors, including competitive products and services, such as TikTok, that have reduced some users' engagement with our products and services, as well as global and regional business, macroeconomic, and geopolitical conditions. For example, the COVID-19 pandemic led to increases and decreases in the size and engagement of our active user base from period to period at different points during the pandemic. In addition, in connection with the war in Ukraine, access to Facebook and Instagram was restricted in Russia and these services were then prohibited by the Russian government, which contributed to slight decreases in the size of our active user base following the onset of the war. Any future declines in the size of our active user base may adversely impact our ability to deliver ad impressions and, in turn, our financial performance.

If people do not perceive our products to be useful, reliable, and trustworthy, we may not be able to attract or retain users or otherwise maintain or increase the frequency and duration of their engagement. A number of other social networking companies that achieved early popularity have since seen their active user bases or levels of engagement decline, in some cases precipitously. There is no guarantee that we will not experience a similar erosion of our active user base or engagement levels. Our user engagement patterns have changed over time, and user engagement can be difficult to measure, particularly as we and our competitors introduce new and different products and services. Any number of factors can negatively affect user retention, growth, and engagement, including if:

- users increasingly engage with other competitive products or services;
- we fail to introduce new features, products, or services that users find engaging or if we introduce new products or services, or make changes to existing products and services, that are not favorably received;
- users feel that their experience is diminished as a result of the decisions we make with respect to the frequency, prominence, format, size, and quality of ads that we display;
- users have difficulty installing, updating, or otherwise accessing our products on mobile devices as a result of actions by us or third parties that we rely on to distribute our products and deliver our services;
- user behavior on any of our products changes, including decreases in the quality and frequency of content shared on our products and services;
- we are unable to continue to develop products for mobile devices that users find engaging, that work with a variety of mobile operating systems and networks, and that achieve a high level of market acceptance;
- there are decreases in user sentiment due to questions about the quality or usefulness of our products or our user data practices, concerns about the nature of content made available on our products, or concerns related to privacy, safety, security, well-being, or other factors;

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- we are unable to manage and prioritize information to ensure users are presented with content that is appropriate, interesting, useful, and relevant to them;
- we are unable to obtain or attract engaging third-party content;
- we are unable to successfully maintain or grow usage of and engagement with applications that integrate with our products;
- users adopt new technologies where our products may be displaced in favor of other products or services, or may not be featured or otherwise available;
- there are changes mandated by legislation, government and regulatory authorities, or litigation that adversely affect our products or users;
- we are unable to offer a number of our most significant products and services, including Facebook and Instagram, in Europe, or are otherwise limited in our business operations, as a result of European courts invalidating the EU-U.S. DPF or regulators, courts, or legislative bodies determining that the legal bases we rely upon to transfer user data from the European Union to the United States are invalid;
- there is decreased engagement with our products, decreased efficiency of our advertising products, or failure to accept our terms of service, as part of changes that we have implemented or may implement in the future, whether voluntarily, in connection with the GDPR, the European Union's ePrivacy Directive, the DMA, the DSA, the DMCC, U.S. state privacy and youth social media laws including the California Consumer Privacy Act, as amended by the California Privacy Rights Act (CCPA), Arkansas Social Media Safety Act, Florida Digital Bill of Rights, Ohio Parental Notification Act, Utah Social Media Regulation Act, or other laws, regulations, or regulatory actions, or otherwise;
- technical or other problems prevent us from delivering our products in a rapid and reliable manner or otherwise affect the user experience, such as security breaches or failure to prevent or limit spam or otherwise objectionable content, or users feel their experience is diminished as a result of our efforts to protect the security and integrity of our platform;
- we adopt terms, policies, or procedures related to areas such as sharing, content, user data, or advertising, or we take, or fail to take, actions to enforce our policies, that are perceived negatively by our users or the general public, including as a result of decisions or recommendations from the independent Oversight Board regarding content on our platform;
- we elect to focus our product decisions on longer-term initiatives that do not prioritize near-term user growth and engagement (for example, we have announced plans to focus product decisions on optimizing the young adult experience in the long term);
- we make changes in our user account login or registration processes or changes in how we promote different products and services across our family of products;
- initiatives designed to attract and retain users and engagement, including the use of evolving technologies such as generative artificial intelligence, are unsuccessful or discontinued, whether as a result of actions by us, our competitors, or other third parties, or otherwise;
- third-party initiatives that may enable greater use of our products, including low-cost or discounted data plans, are scaled back or discontinued, or the pricing of data plans otherwise increases;
- there is decreased engagement with our products as a result of taxes imposed on the use of social media or other mobile applications in certain countries, internet shutdowns, or other actions by governments that affect the accessibility of our products in their countries (for example, beginning in the first quarter of 2022, our user growth and engagement were adversely affected by the war in Ukraine and service restrictions imposed by the Russian government);
- we fail to provide adequate customer service to users, marketers, developers, or other partners;

- we, developers whose products are integrated with our products, or other partners and companies in our industry are the subject of adverse media reports or other negative publicity, including as a result of our or their user data practices; or
- our current or future products, such as our development tools and application programming interfaces that enable developers to build, grow, and monetize applications, reduce user activity on our products by making it easier for our users to interact and share on third-party applications.

From time to time, certain of these factors have negatively affected user retention, growth, and engagement to varying degrees. If we are unable to maintain or increase our user base and user engagement, particularly for our significant revenue-generating products like Facebook and Instagram, our revenue and financial results may be adversely affected. Any significant decrease in user retention, growth, or engagement could render our products less attractive to users, marketers, and developers, which is likely to have a material and adverse impact on our ability to deliver ad impressions and, accordingly, our revenue, business, financial condition, and results of operations. As the size of our active user base fluctuates in one or more markets from time to time, we will become increasingly dependent on our ability to maintain or increase levels of user engagement and monetization in order to grow revenue.

***We generate substantially all of our revenue from advertising. The loss of marketers, or reduction in spending by marketers, could seriously harm our business.***

Substantially all of our revenue is currently generated from marketers advertising on Facebook and Instagram. As is common in the industry, our marketers do not have long-term advertising commitments with us. Many of our marketers spend only a relatively small portion of their overall advertising budget with us. Marketers will not continue to do business with us, or they will reduce the budgets they are willing to commit to us, if we do not deliver ads in an effective manner, if they do not believe that their investment in advertising with us will generate a competitive return relative to other alternatives, or if they are not satisfied for any other reason. We have implemented, and we will continue to implement, changes to our user data practices. Some of these changes reduce our ability to effectively target ads, which has to some extent adversely affected, and will continue to adversely affect, our advertising business. If we are unable to provide marketers with a suitable return on investment, the demand for our ads may not increase, or may decline, in which case our revenue and financial results may be harmed.

Our advertising revenue can also be adversely affected by a number of other factors, including:

- decreases in user engagement, including time spent on our products;
- our inability to continue to increase user access to and engagement with our products;
- product changes or inventory management decisions we may make that change the size, format, frequency, or relative prominence of ads displayed on our products or of other unpaid content shared by marketers on our products;
- our inability to maintain or increase marketer demand, the pricing of our ads, or both;
- our inability to maintain or increase the quantity or quality of ads shown to users;
- changes to the content or application of third-party policies that limit our ability to deliver, target, or measure the effectiveness of advertising, including changes by mobile operating system and browser providers such as Apple and Google;
- adverse litigation, government actions, or legislative, regulatory, or other legal developments relating to advertising, including developments that may impact our ability to deliver, target, or measure the effectiveness of advertising;
- user behavior or product changes that may reduce traffic to features or products that we monetize at a higher rate, such as our Feed and Stories products, including as a result of increased usage of our Reels or other video or messaging products;
- reductions of advertising by marketers due to our efforts to implement or enforce advertising policies that protect the security and integrity of our platform or that we believe are needed to comply with global content, security, or integrity obligations;

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- the availability, accuracy, utility, and security of analytics and measurement solutions offered by us or third parties that demonstrate the value of our ads to marketers, or our ability to further improve such tools;
- loss of advertising market share to our competitors, including if prices to purchase our ads increase or if competitors offer lower priced, more integrated, or otherwise more effective products;
- limitations on our ability to offer a number of our most significant products and services, including Facebook and Instagram, in Europe as a result of European courts invalidating the EU-U.S. DPF or regulators, courts, or legislative bodies determining that the legal bases we rely upon to transfer user data from the European Union to the United States are invalid;
- limitations on our ability to deliver ads to users under the age of 18 and, in some cases, to continue to offer certain products or services to certain cohorts of users, whether voluntarily, as a result of new laws and regulations in the United States and other jurisdictions, or otherwise;
- changes in our marketing and sales or other operations that we are required to or elect to make as a result of risks related to complying with laws or regulatory requirements or other government actions;
- decisions by marketers to reduce their advertising as a result of announcements by us or adverse media reports or other negative publicity involving us, our user data practices, our advertising metrics or tools, content on our products, our interpretation, implementation, or enforcement of policies relating to content on our products (including as a result of decisions or recommendations from the independent Oversight Board), developers with applications that are integrated with our products, or other companies in our industry;
- reductions of advertising by marketers due to illegal, illicit, or otherwise objectionable content made available on our products by third parties, questions about our user data practices or the security of our platform, concerns about brand safety or potential legal liability, or uncertainty regarding their own legal and compliance obligations;
- the effectiveness of our ad targeting or degree to which users consent to, opt out of, or reduce the use of data for ads, including as a result of product changes and controls that we have implemented or may implement in the future in connection with the GDPR, ePrivacy Directive, CCPA, DMA, DMCC, other laws, regulations, regulatory actions, or litigation, or otherwise, that impact our ability to use data for advertising purposes (for example, in November 2023, in response to regulatory developments in Europe, we began offering our users a "subscription for no ads" alternative in the EU, EEA, and Switzerland);
- the degree to which users cease or reduce the number of times they engage with our ads;
- changes in the way advertising on mobile devices or on personal computers is measured or priced;
- the success of technologies designed to block the display of ads or ad measurement tools;
- changes in the composition of our marketer base or our inability to maintain or grow our marketer base; and
- the impact of macroeconomic and geopolitical conditions, whether in the advertising industry in general, or among specific types of marketers or within particular geographies, which in turn can have broader effects in other regions (for example, the war in Ukraine and service restrictions imposed by the Russian government have adversely affected our advertising business in Europe and other regions, and advertiser spending also can be subject to adverse effects from the Israel-Hamas war).

From time to time, certain of these factors have adversely affected our advertising revenue to varying degrees. The occurrence of any of these or other factors in the future could result in a reduction in demand for our ads, which may reduce the prices we receive for our ads, or cause marketers to stop advertising with us altogether, either of which would negatively affect our revenue and financial results.

***Our ad targeting and measurement tools incorporate data signals from user activity on websites and services that we do not control, as well as signals generated within our products, and changes to the regulatory environment, third-party mobile operating systems and browsers, and our own products have impacted, and we expect will continue to impact, the availability of such signals, which will adversely affect our advertising revenue.***

Our ad targeting and measurement tools rely on data signals from user activity on websites and services that we do not control, as well as signals generated within our products, in order to deliver relevant and effective ads to our users, and any changes in our ability to use such signals will adversely affect our business. For example, legislative and regulatory developments, such as the GDPR, ePrivacy Directive, DMA, and U.S. state privacy laws, including the CCPA, have impacted, and we expect will continue to impact, our ability to use such signals in our ad products. In particular, we have seen increases in the number of users opting to control certain types of ad targeting in Europe following product changes implemented in connection with our GDPR and ePrivacy Directive compliance, and we have introduced product changes that limit data signal use for certain users in California following adoption of the CCPA. Several recently enacted U.S. state privacy laws, such as the Texas Data Privacy and Security Act, the Colorado Privacy Act, and the Oregon Consumer Privacy Act, are introducing additional rights for users and could result in restrictions on our use of signals from third-party apps and websites through certain browser- and device-based universal opt-out mechanisms. Judicial and regulatory guidance, decisions, or enforcement actions, or new legislation in these or other jurisdictions may require us to make additional changes to our products in the future that further reduce our ability to use these signals, which has occurred in the past. For example, in response to regulatory developments in Europe, we announced plans to change the legal basis for behavioral advertising on Facebook and Instagram in the European Union, European Economic Area, and Switzerland from "legitimate interests" to "consent," and in November 2023 we began offering users in the region a "subscription for no ads" alternative. We are engaging with regulators on our consent model, including regarding compliance with requirements under the GDPR, DMA, and EU consumer laws. For example, in March 2024, the European Commission opened formal proceedings regarding the compliance of our "subscription for no ads" model with requirements under the DMA, and it issued preliminary findings in July 2024. In addition, the European Data Protection Board has published an opinion on the operation of such models under GDPR and European consumer protection organizations have raised concerns regarding our compliance with consumer protection laws.

In addition, mobile operating system and browser providers, such as Apple and Google, have implemented product changes and/or announced future plans to limit the ability of websites and application developers to collect and use these signals to target and measure advertising. For example, in 2021, Apple made certain changes to its products and data use policies in connection with changes to its iOS operating system that reduce our and other iOS developers' ability to target and measure advertising, which has negatively impacted, and we expect will continue to negatively impact, the size of the budgets marketers are willing to commit to us and other advertising platforms. In addition, we have implemented, and may continue to implement, product changes that give users the ability to limit our use of such data signals to improve ads and other experiences on our products and services, including changes implemented in connection with the GDPR, ePrivacy Directive, DMA, and other regulatory frameworks.

These developments have limited our ability to target and measure the effectiveness of ads on our platform and negatively impacted our advertising revenue. For example, our advertising revenue has been negatively impacted by marketer reaction to targeting and measurement challenges associated with iOS changes beginning in 2021. If we are unable to mitigate these developments as they take further effect in the future, our targeting and measurement capabilities will be materially and adversely affected, which would in turn significantly impact our advertising revenue.

***Our user growth, engagement, and monetization on mobile devices depend upon effective operation with mobile operating systems, networks, technologies, products, and standards that we do not control.***

The substantial majority of our revenue is generated from advertising on mobile devices. There is no guarantee that popular mobile devices will continue to feature our products, or that mobile device users will continue to use our products rather than competing products. We are dependent on the interoperability of our products with popular mobile operating systems, networks, technologies, products, and standards that we do not control, such as the Android and iOS operating systems and mobile browsers. Changes, bugs, or technical issues in such systems, or changes in our relationships with mobile operating system partners, handset manufacturers, browser developers, or mobile carriers, or in the content or application of their terms of service or policies (which they have made in the past and continue to seek to implement) that degrade our products' functionality, reduce or eliminate our ability to update or distribute our products, give preferential treatment to competitive products, limit our ability to deliver, target, or measure the effectiveness of ads, or charge fees related to the distribution of our products or our delivery of ads have adversely affected, and could in the future adversely affect, the usage



of our products and monetization on mobile devices. For example, Apple previously released an update to its Safari browser that limits the use of third-party cookies, which reduces our ability to provide the most relevant ads to our users and impacts monetization, and also released changes to iOS that limit our ability to target and measure ads effectively, while expanding their own advertising business. In addition, in January 2024, Google began the process of phasing out third-party cookies in its Chrome browser. We expect that any similar changes to Apple's, Google's, or other browser or mobile platforms will further limit our ability to target and measure the effectiveness of ads and impact monetization. Additionally, in order to deliver high quality mobile products, it is important that our products work well with a range of mobile technologies, products, systems, networks, and standards that we do not control, and that we have good relationships with handset manufacturers, mobile carriers, and browser developers. We may not be successful in maintaining or developing relationships with key participants in the mobile ecosystem or in developing products that operate effectively with these technologies, products, systems, networks, or standards. In the event that it is more difficult for our users to access and use our products on their mobile devices, or if our users choose not to access or use our products on their mobile devices or use mobile products that do not offer access to our products, our user growth and user engagement could be harmed. From time to time, we may also take actions regarding the distribution of our products or the operation of our business based on what we believe to be in our long-term best interests. Such actions may adversely affect our users and our relationships with the operators of mobile operating systems, handset manufacturers, mobile carriers, browser developers, other business partners, or advertisers, and there is no assurance that these actions will result in the anticipated long-term benefits. In the event that our users are adversely affected by these actions or if our relationships with such third parties deteriorate, our user growth, engagement, and monetization could be adversely affected and our business could be harmed. We have experienced challenges in operating with mobile operating systems, networks, technologies, products, and standards that we do not control, and any such occurrences in the future may negatively impact our user growth, engagement, and monetization on mobile devices, which may in turn materially and adversely affect our business and financial results.

***Our new products and changes to existing products could fail to attract or retain users or generate revenue and profits, or otherwise adversely affect our business.***

Our ability to retain, increase, and engage our user base and to increase our revenue depends heavily on our ability to continue to evolve our existing products and to create successful new products, both independently and in conjunction with developers or other third parties. We may introduce significant changes to our existing products or acquire or introduce new and unproven products, including using technologies with which we have little or no prior development or operating experience. For example, we have relatively limited experience with consumer hardware products and virtual, augmented, and mixed reality technology, which may adversely affect our ability to successfully develop and market these evolving products and technologies. We are also making significant investments in artificial intelligence (AI) initiatives across our business. For example, we continue to launch new AI features on our products, including conversational AIs, stickers, and editing tools. We continue to incur substantial costs, and we may not be successful in generating profits, in connection with these efforts.

In addition, we have invested, and expect to continue to invest, significant resources in growing our messaging products to support increasing usage of such products. We have historically monetized messaging in only a limited fashion, and we may not be successful in our efforts to generate meaningful revenue or profits from messaging over the long term. We also recently commenced implementation of default end-to-end encryption across our messaging services on Facebook and Instagram, which has been subject to governmental and regulatory scrutiny in multiple jurisdictions. For example, the Nevada Attorney General is seeking to enjoin our offering of default end-to-end encryption on Messenger for all Nevada residents under the age of 18.

If our new products or changes to existing products fail to engage users, marketers, or developers, or if our business plans are unsuccessful, we may fail to attract or retain users or to generate sufficient revenue, operating margin, or other value to justify our investments, and our business may be adversely affected.

***We may not be successful in our artificial intelligence initiatives, which could adversely affect our business, reputation, or financial results.***

We are making significant investments in AI initiatives, including generative AI, to, among other things, recommend relevant content across our products, enhance our advertising tools, develop new products, and develop new features for existing products. In particular, we expect our AI initiatives will require increased investment in infrastructure and headcount. If our investments are not successful longer-term, our business and financial performance could be harmed.

There are significant risks involved in developing and deploying AI and there can be no assurance that the usage of AI will enhance our products or services or be beneficial to our business, including our efficiency or profitability. For example, our AI-related efforts, particularly those related to generative AI, subject us to risks related to harmful or illegal content, accuracy, misinformation and deepfakes (including related to elections), bias, discrimination, toxicity, intellectual property infringement or misappropriation, defamation, data privacy, cybersecurity, and sanctions and export controls, among others. It is also uncertain how various laws related to online services, intermediary liability, and other issues will apply to content generated by AI. In addition, we are subject to the risks of new or enhanced governmental or regulatory scrutiny, litigation, or other legal liability, ethical concerns, negative consumer perceptions as to automation and AI, activities that threaten people's safety or well-being on- or offline, or other complications that could adversely affect our business, reputation, or financial results.

As a result of the complexity and rapid development of AI, it is also the subject of evolving review by various governmental and regulatory agencies in jurisdictions around the world, which are applying, or are considering applying, platform moderation, intellectual property, cybersecurity, export controls, and data protection laws to AI and/or are considering general legal frameworks on AI (such as the recently passed EU AI Act). We may not always be able to anticipate how courts and regulators will apply existing laws to AI, predict how new legal frameworks will develop to address AI, or otherwise respond to these frameworks as they are still rapidly evolving. We may also have to expend resources to adjust our offerings in certain jurisdictions if the legal frameworks on AI are not consistent across jurisdictions.

Further, we face significant competition from other companies that are developing their own AI features and technologies. Other companies may develop AI features and technologies that are similar or superior to our technologies or are more cost-effective to develop and deploy. Given the long history of development in the AI sector, other parties may have (or in the future may obtain) patents or other proprietary rights that would prevent, limit, or interfere with our ability to make, use, or sell our own AI features. Our AI initiatives also depend on our access to data to effectively train our models. Further, our ability to continue to develop and effectively deploy AI technologies is dependent on access to specific third-party equipment and other physical infrastructure, such as processing hardware and network capacity, as to which we cannot control the availability or pricing, especially in a highly competitive environment.

We are also developing AI technology that we make available via open source, commercial, and non-commercial license agreements to third-parties that can use this technology for use in their own products and services. We may not have insight into, or control over, the practices of third parties who may utilize such AI technologies. As such, we cannot guarantee that third parties will not use such AI technologies for improper purposes, including through the dissemination of illegal, inaccurate, defamatory or harmful content, intellectual property infringement or misappropriation, furthering bias or discrimination, cybersecurity attacks including spear phishing attacks, data privacy violations, other activities that threaten people's safety or well-being on- or offline, or to develop competing technologies. While we may mitigate certain risks associated with the improper use of our AI models through both technical measures and the inclusion of contractual restrictions on third-party use in any agreement between us and any third party, we cannot guarantee that such measures will be effective. Such improper use by any third party could adversely affect our business, reputation, or financial results or subject us to legal liability.

It is not possible to predict all of the risks related to the use of AI and changes in laws, rules, directives, and regulations or other regulatory developments regarding the use of AI, including restrictions around the collection and use of data, may adversely affect our ability to develop and use AI or subject us to legal liability.

***We make product and investment decisions that may not prioritize short-term financial results and may not produce the long-term benefits that we expect.***

We frequently make product and investment decisions that may not prioritize short-term financial results if we believe that the decisions are consistent with our mission and benefit the aggregate user experience and will thereby improve our financial performance over the long term. For example, we have implemented, and we will continue to implement, changes to our user data practices. Some of these changes reduce our ability to effectively target ads, which has to some extent adversely affected, and will continue to adversely affect, our advertising business. For example, our "Your Activity off-Meta Technologies" tool enables users to place limits on our storage and use of information about their interactions with advertisers' apps and websites, which reduces our ability to deliver the most relevant and effective ads to our users. Similarly, from time to time we update our Feed display and ranking algorithms or other product features to improve the user experience, and these changes have had, and may in the future have, the effect of reducing time spent and some measures of user engagement with our products, which could adversely affect our financial results. From time to time, we also change the

size, frequency, or relative prominence of ads as part of our product and monetization strategies. In addition, we have made, and we expect to continue to make, other changes to our products which may adversely affect the distribution of content of publishers, marketers, and developers, and could reduce their incentive to invest in their efforts on our products. We also may introduce new features or other changes to existing products, or introduce new stand-alone products, that attract users away from properties, formats, or use cases where we have more proven means of monetization, such as our Feed products. In addition, as we focus on growing users and engagement across our family of products, from time to time these efforts have reduced, and may in the future reduce, engagement with one or more products and services in favor of other products or services that we monetize less successfully or that are not growing as quickly. For example, we plan to continue to promote Reels, which we expect will continue to monetize at a lower rate than our Feed and Stories products for the foreseeable future. These decisions may adversely affect our business and results of operations and may not produce the long-term benefits that we expect.

***We may not be successful in our metaverse strategy and investments, which could adversely affect our business, reputation, or financial results.***

We believe the metaverse, an embodied internet where people have immersive experiences beyond two-dimensional screens, is the next evolution in social technology. In 2021, we announced a shift in our business and product strategy to focus on helping to bring the metaverse to life. We expect this will be a complex, evolving, and long-term initiative that will involve the development of new and emerging technologies, continued investment in infrastructure as well as privacy, safety, and security efforts, and collaboration with other companies, developers, partners, and other participants. However, the metaverse may not develop in accordance with our expectations, and market acceptance of features, products, or services we build for the metaverse is uncertain. We regularly evaluate our product roadmaps and make significant changes as our understanding of the technological challenges and market landscape and our product ideas and designs evolve. In addition, we have relatively limited experience with consumer hardware products and virtual, augmented, and mixed reality technology, which may enable other companies to compete more effectively than us. We may be unsuccessful in our research and product development efforts, including if we are unable to develop relationships with key participants in the metaverse or develop products that operate effectively with metaverse technologies, products, systems, networks, or standards. For example, some of our consumer hardware products depend on the ability to operate with third-party mobile platforms and these platforms do not necessarily provide our products with the same levels of interoperability that they provide to their own competing products. In addition, our metaverse efforts may also divert resources and management attention from other areas of our business. We expect to continue to make significant investments in virtual, augmented, and mixed reality and other technologies to support these efforts, and our ability to support these efforts is dependent on generating sufficient profits from other areas of our business. In addition, as our metaverse efforts evolve, we may be subject to a variety of existing or new laws and regulations in the United States and international jurisdictions, including in the areas of privacy, safety, competition, content regulation, consumer protection, and e-commerce, which may delay or impede the development of our products and services, increase our operating costs, require significant management time and attention, or otherwise harm our business. As a result of these or other factors, our metaverse strategy and investments may not be successful in the foreseeable future, or at all, which could adversely affect our business, reputation, or financial results.

***If we are not able to maintain and enhance our brands, our ability to maintain or expand our base of users, marketers, and developers may be impaired, and our business and financial results may be harmed.***

We believe that our brands have significantly contributed to the success of our business. We also believe that maintaining and enhancing our brands is critical to maintaining and expanding our base of users, marketers, and developers. Many of our new users are referred by existing users. Maintaining and enhancing our brands will depend largely on our ability to continue to provide useful, reliable, trustworthy, and innovative products, which we may not do successfully. We may introduce new products, terms of service, or policies that users do not like, which may negatively affect our brands. Additionally, the actions of our developers or advertisers may affect our brands if users do not have a positive experience using third-party applications integrated with our products or interacting with parties that advertise through our products. We will also continue to experience media, legislative, or regulatory scrutiny of our actions or decisions regarding user privacy, data use, encryption, content, product design, algorithms, advertising, competition, generative AI, younger users, and other issues, including actions or decisions in connection with elections or geopolitical events, which has adversely affected, and may in the future adversely affect, our reputation and brands. For example, beginning in September 2021, we became the subject of media, legislative, and regulatory scrutiny as a result of a former employee's allegations and release of internal company documents relating to, among other things, our algorithms, advertising and user metrics, and content enforcement practices, as well as misinformation and other undesirable activity on our platform, and user well-being. In addition, in March 2018, we announced developments regarding the misuse of certain data by a developer that shared such data with third parties

in violation of our terms and policies. We also may fail to respond expeditiously or appropriately to the sharing of content on our services, or to practices by advertisers or developers, that are illegal, illicit, or in violation of our policies, or fail to otherwise enforce our policies, address objectionable content or practices on our services, or address other user concerns, which has occurred in the past and which could erode confidence in our brands.

Our brands may also be negatively affected by the actions of users that are deemed to be hostile or inappropriate to other users, by the actions of users acting under false or inauthentic identities, by the use of our products or services to disseminate information that is deemed to be misleading (or intended to manipulate opinions), by perceived or actual efforts by governments to obtain access to user information for security-related purposes or to censor certain content on our platform, by the use of our products or services for illicit or objectionable ends, including, for example, any such actions around geopolitical events or elections in the United States and around the world, by decisions or recommendations regarding content on our platform from the independent Oversight Board, by research or media reports concerning the perceived or actual impacts of our products or services on user well-being, by our decisions regarding whether to remove content or suspend participation on our platform by persons who violate our community standards or terms of service, or by any negative sentiment associated with our management.

Maintaining and enhancing our brands will require us to make substantial investments and these investments may not be successful. Certain of our actions, such as the foregoing matter regarding developer misuse of data and concerns around our handling of political speech and advertising, hate speech, and other content, as well as user well-being issues, have eroded confidence in our brands and may continue to do so in the future. If we fail to successfully promote and maintain our brands or if we incur excessive expenses in this effort, our business and financial results may be adversely affected.

***We may not be able to continue to successfully maintain or grow usage of and engagement with applications that integrate with our products.***

We have made and are continuing to make investments to enable developers to build, grow, and monetize applications that integrate with our products. Such existing and prospective developers may not be successful in building, growing, or monetizing applications that create and maintain user engagement. Additionally, developers may choose to build on other platforms, including platforms controlled by third parties, rather than building products that integrate with our products. We are continuously seeking to balance the distribution objectives of our developers with our desire to provide an optimal user experience, and we may not be successful in achieving a balance that continues to attract and retain such developers. For example, from time to time, we have taken actions to reduce the volume of communications from these developers to users on our products with the objective of enhancing the user experience, and such actions have reduced distribution from, user engagement with, and our monetization opportunities from, applications integrated with our products. In addition, as part of our efforts related to privacy, safety, and security, we conduct investigations and audits of platform applications from time to time, and we also have announced several product changes that restrict developer access to certain user data. In some instances, these actions, as well as other actions to enforce our policies applicable to developers, have adversely affected, or will adversely affect, our relationships with developers. If we are not successful in our efforts to maintain or grow the number of developers that choose to build products that integrate with our products or if we are unable to continue to build and maintain good relations with such developers, our user growth and user engagement and our financial results may be adversely affected.

### **Risks Related to Our Business Operations and Financial Results**

***Our business is highly competitive. Competition presents an ongoing threat to the success of our business.***

We compete with companies providing connection, sharing, discovery, and communication products and services to users online, as well as companies that sell advertising to businesses looking to reach consumers and/or develop tools and systems for managing and optimizing advertising campaigns. We face significant competition in every aspect of our business, including, but not limited to, companies that facilitate the ability of users to create, share, communicate, and discover content and information online or enable marketers to reach their existing or prospective audiences. We compete to attract, engage, and retain people who use our products, to attract and retain businesses that use our free or paid business and advertising services, and to attract and retain developers who build compelling applications that integrate with our products. We also compete with companies that develop and deliver consumer hardware and virtual, augmented, and mixed reality products and services. We also expect to face additional competition as we introduce or acquire new products, as our existing products evolve, or as other companies introduce new products and services, including as part of efforts to develop the metaverse or innovate through the development and application of new technologies such as AI.

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Some of our current and potential competitors may have greater resources, experience, or stronger competitive positions in certain product segments, geographic regions, or user demographics than we do. For example, some of our competitors may be domiciled in different countries and subject to political, legal, and regulatory regimes that enable them to compete more effectively than us. These factors may allow our competitors to respond more effectively than us to new or emerging technologies and changes in market conditions. We believe that some users, particularly younger users, are aware of and actively engaging with other products and services similar to, or as a substitute for, our products and services, and we believe that some users have reduced their use of and engagement with our products and services in favor of these other products and services. In addition, from time to time we make updates to our products and services to improve the user experience (including to help provide users with safe, positive, age-appropriate experiences), and these changes have had, and may in the future have, the effect of reducing time spent and some measures of user engagement with our products and services. In the event that users increasingly engage with other products and services, we may experience a decline in use and engagement in key user demographics or more broadly, in which case our business would likely be harmed.

Our competitors may develop products, features, or services that are similar to ours or that achieve greater acceptance, may undertake more far-reaching and successful product development efforts or marketing campaigns, or may adopt more aggressive pricing policies. Some competitors may gain a competitive advantage against us in areas where we operate, including: by making acquisitions; by limiting our ability to deliver, target, or measure the effectiveness of ads; by imposing fees or other charges related to our applications or our delivery of ads; by making access to our products more difficult or impossible; by making it more difficult to communicate with our users; by limiting the ability of our devices or products to interoperate with their popular platforms or products; or by integrating competing platforms, applications, or features into products they control such as mobile device operating systems, search engines, browsers, or e-commerce platforms. For example, each of Apple and Google have integrated competitive products with iOS and Android, respectively. In addition, Apple has released changes to iOS that limit our ability, and the ability of others in the digital advertising industry, to target and measure ads effectively. As a result, our competitors may, and in some cases will, acquire and engage users or generate advertising or other revenue at the expense of our own efforts, which would negatively affect our business and financial results. In addition, from time to time, we may take actions in response to competitive threats, but we cannot assure you that these actions will be successful or that they will not negatively affect our business and financial results.

We believe that our ability to compete effectively depends upon many factors both within and beyond our control, including:

- the popularity, usefulness, ease of use, performance, and reliability of our products compared to our competitors' products;
- the size and composition of our user base;
- the engagement of users with our products and competing products;
- our ability to attract and retain businesses who use our free or paid business and advertising services;
- the timing and market acceptance of products, including developments and enhancements to our or our competitors' products;
- our safety and security efforts and our ability to protect user data and to provide users with control over their data;
- our ability to distribute our products to new and existing users;
- our ability to monetize our products;
- the frequency, size, format, quality, and relative prominence of the ads displayed by us or our competitors;
- customer service and support efforts;
- marketing and selling efforts, including our ability to measure the effectiveness of our ads and to provide marketers with a compelling return on their investments;
- our ability to establish and maintain developers' interest in building applications that integrate with our products;

- our ability to establish and maintain publisher interest in integrating their content with our products;
- changes mandated by legislation, regulatory authorities, or litigation, some of which may have a disproportionate effect on us;
- acquisitions or consolidation within our industry, which may result in more formidable competitors;
- our ability to attract, retain, and motivate talented employees, particularly software engineers, designers, and product managers;
- our ability to cost-effectively manage our operations; and
- our reputation and brand strength relative to those of our competitors.

If we are not able to compete effectively, our user base, level of user engagement, and ability to deliver ad impressions may decrease, we may become less attractive to developers and marketers, and our revenue and results of operations may be materially and adversely affected.

***Our financial results will fluctuate from quarter to quarter and are difficult to predict.***

Our quarterly financial results have fluctuated in the past and will fluctuate in the future. Additionally, we have a limited operating history with the current scale of our business, which makes it difficult to forecast our future results. As a result, you should not rely upon our past quarterly financial results as indicators of future performance. You should take into account the risks and uncertainties frequently encountered by companies in rapidly evolving markets. Our financial results in any given quarter can be influenced by numerous factors, many of which we are unable to predict or are outside of our control, including:

- our ability to maintain and grow our user base and user engagement, particularly for our products that deliver ad impressions;
- our ability to attract and retain marketers in a particular period;
- our ability to recognize revenue or collect payments from marketers or advertising agencies or resellers in a particular period;
- fluctuations in spending by our marketers due to seasonality, such as historically strong spending in the fourth quarter of each year, episodic regional or global events, or other factors;
- the frequency, prominence, size, format, and quality of ads shown to users;
- the success of technologies designed to block the display of ads;
- changes to the content or application of third-party policies that limit our ability to deliver, target, or measure the effectiveness of advertising, including changes by mobile operating system and browser providers such as Apple and Google;
- the pricing of our ads and other products;
- the diversification and growth of revenue sources beyond advertising on Facebook and Instagram;
- our ability to generate revenue from Payments, or the sale of our consumer hardware products or other products we may introduce in the future;
- changes to existing products or services or the development and introduction of new products or services by us or our competitors;
- user behavior or product changes that may reduce traffic to features or products that we successfully monetize;
- increases in marketing, sales, and other operating expenses, as well as capital expenditures, that we will incur to grow and expand our business and to remain competitive, including costs related to our data centers and technical infrastructure as well as other costs relating to our AI initiatives;

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- costs related to our privacy, safety, security, and content review efforts, including as a result of implementing changes to our practices, whether voluntarily, in connection with laws, regulations, regulatory actions, or decisions or recommendations from the independent Oversight Board, or otherwise;
- costs and expenses related to the development, manufacturing, and delivery of our consumer hardware products;
- our ability to maintain gross margins and operating margins;
- costs related to acquisitions, including costs associated with amortization and additional investments to develop the acquired technologies;
- charges associated with impairment or abandonment of any assets on our balance sheet, including as a result of changes to our real property lease arrangements and data center assets;
- our ability to obtain equipment, components, and labor for our data centers and other technical infrastructure in a timely and cost-effective manner;
- system failures or outages or government blocking that prevent us from serving ads for any period of time;
- breaches of security or privacy, and the costs associated with any such breaches and remediation;
- changes in the manner in which we distribute our products or inaccessibility of our products due to third-party actions;
- fees paid to third parties for content or the distribution of our products;
- refunds or other concessions provided to advertisers;
- share-based compensation expense, including acquisition-related expense;
- adverse litigation judgments, settlements, or other litigation-related costs;
- changes in the legislative or regulatory environment, including with respect to privacy, data protection, antitrust, content, or AI, or actions by governments or regulators, including fines, orders, or consent decrees;
- the overall tax rate for our business, which is affected by the mix of income we earn in the U.S. and in jurisdictions with different tax rates, the effects of share-based compensation, the effects of integrating intellectual property from acquisitions, the effects of changes in our business or structure, and the effects of discrete items such as legal and tax settlements and tax elections;
- the impact of changes in tax laws or judicial or regulatory interpretations of tax laws, which are recorded in the period such laws are enacted or interpretations are issued, and may significantly affect the effective tax rate of that period;
- tax obligations that may arise from resolutions of tax examinations, including the examination we are currently under by the Internal Revenue Service (IRS), that materially differ from the amounts we have anticipated;
- fluctuations in currency exchange rates and changes in the proportion of our revenue and expenses denominated in foreign currencies;
- trading activity in our share repurchase program;
- fluctuations in the market values of our investments in marketable securities, in the valuation of our non-marketable equity securities, and in interest rates;
- the incurrence of indebtedness or our ability to refinance existing indebtedness on acceptable terms;
- changes in U.S. generally accepted accounting principles; and
- changes in regional or global business, macroeconomic, or geopolitical conditions, which may impact the other factors described above.

***Unfavorable media coverage negatively affects our business.***

We receive a high degree of media coverage around the world. Our reputation has been, and could in the future be, adversely affected by unfavorable publicity regarding, for example, our privacy practices, advertising policies, product decisions, product quality, litigation or regulatory activity, government surveillance, the actions of our advertisers, the actions of our developers whose products are integrated with our products, the use of our products or services for illicit or objectionable ends, the substance or enforcement of our community standards, terms of service, or other policies, the actions of our users, the quality and integrity of content shared on our platform, the perceived or actual impacts of our products or services on user well-being, our management, or the actions of other companies that provide similar services to ours. For example, we have been the subject of significant media coverage involving concerns around our handling of political speech and advertising, hate speech, and other content, as well as user well-being issues, and we continue to receive negative publicity related to these topics. Beginning in September 2021, we became the subject of significant media coverage as a result of allegations and the release of internal company documents by a former employee. In addition, we have been, and may in the future be, subject to negative publicity in connection with our handling of misinformation and other illicit or objectionable use of our products or services, including in connection with geopolitical events and elections in the United States and around the world. Any such negative publicity could have an adverse effect on the size, engagement, and loyalty of our user base and marketer demand for advertising on our products, which could result in decreased revenue and adversely affect our business and financial results, and we have experienced such adverse effects to varying degrees from time to time.

***We are subject to the risk of catastrophic events and crises, which may have a significant adverse impact on our business and operations.***

We are subject to the risk of public health crises such as pandemics, earthquakes, adverse weather conditions, other natural disasters, terrorism, geopolitical conflict, other physical security threats, power loss, cyber-attacks, and other catastrophic events and crises. For example, the COVID-19 pandemic previously significantly impacted our business and results of operations. In particular, the pandemic resulted in authorities implementing numerous preventative measures from time to time to contain or mitigate the outbreak of the virus, such as travel bans and restrictions, limitations on business activity, quarantines, and shelter-in-place orders, which caused business slowdowns or shutdowns in certain affected countries and regions. These developments led to volatility in the demand for and pricing of our advertising services at various points throughout the pandemic, and we may experience similar effects in the future as a result of the pandemic or other catastrophic events. Such events also expose our business, operations, and workforce to a variety of other risks, including: volatility in the size of our user base and user engagement; delays in product development or releases, or reductions in manufacturing production and sales of consumer hardware, as a result of inventory shortages, supply chain or labor shortages; significant volatility and disruption of global financial markets, which could cause fluctuations in currency exchange rates or negatively impact our ability to access capital in the future; illnesses to key employees, or a significant portion of our workforce, which may result in inefficiencies, delays, and disruptions in our business; and increased volatility and uncertainty in the financial projections we use as the basis for estimates used in our financial statements. Any of these developments may adversely affect our business, harm our reputation, or result in legal or regulatory actions against us.

***We incur significant expenses in operating our business, and some of our investments, particularly our investments in Reality Labs as well as our artificial intelligence initiatives, have the effect of reducing our operating margin and profitability. If our investments are not successful longer-term, our business and financial performance will be harmed.***

We incur significant expenses in operating our business, and we expect our expenses to continue to increase in the future as we broaden our user base, as users increase the amount and types of content they consume and the data they share with us, for example with respect to video, as we develop and implement new products, as we market new and existing products and promote our brands, as we continue to expand our technical infrastructure, as we continue to invest in new and unproven technologies, including AI and machine learning, and as we continue our efforts to focus on privacy, safety, security, and content review. We have previously undertaken cost reduction measures in light of a more challenging operating environment, which may adversely affect these or other business initiatives, and some of these measures have involved, and may in the future involve, up-front charges and outlays of cash to reduce certain longer-term expenses. In addition, from time to time we are subject to settlements, judgments, fines, or other monetary penalties in connection with legal and regulatory developments that may be material to our business. We are also continuing to increase our investments in new platforms and technologies, including as part of our efforts related to building the metaverse. Some of these investments, particularly our significant investments in Reality Labs, have generated only limited revenue and reduced our operating margin and profitability, and we expect the adverse financial impact of such investments to continue for the foreseeable future. For example, our investments in Reality Labs reduced our 2023 overall operating profit by approximately



\$16.12 billion, and we expect our Reality Labs investments and operating losses to increase meaningfully in 2024. If our investments are not successful longer-term, our business and financial performance will be harmed.

***Our business is dependent on our ability to maintain and scale our technical infrastructure, and any significant disruption in our products and services could damage our reputation, result in a potential loss of users and engagement, and adversely affect our financial results.***

Our reputation and ability to attract, retain, and serve our users is dependent upon the reliable performance of our products and services and our underlying technical infrastructure. We have experienced, and may in the future experience, interruptions in the availability or performance of our products and services from time to time. Our systems may not be adequately designed or may not operate with the reliability and redundancy necessary to avoid performance delays or outages that could be harmful to our business. If our products or services are unavailable when users attempt to access them, or if they do not load as quickly as expected, users may not use our products or services as often in the future, or at all, and our ability to serve ads may be disrupted, any of which could adversely affect our business and financial performance. We have experienced such issues to varying degrees from time to time. In addition, as the amount and types of information shared on our products continue to grow and evolve, as the usage patterns of our global community continue to evolve, and as our internal operational demands continue to grow, especially with the deployment of AI technologies, we will need an increasing amount of technical infrastructure, including network capacity, computing power, and related energy requirements, to continue to satisfy our needs. Although we are making significant investments in our technical infrastructure, it is possible that we may fail to continue to effectively scale and grow our technical infrastructure to accommodate these increased demands or achieve our business objectives, which may adversely affect our user engagement and advertising revenue. In addition, our business may be subject to interruptions, delays, or failures resulting from earthquakes, adverse weather conditions, other natural disasters, power loss, terrorism, geopolitical conflict, other physical security threats, cyber-attacks, or other catastrophic events and crises. Global climate change could result in certain types of natural disasters occurring more frequently or with more intense effects. Any such events may result in users being subject to service disruptions or outages and we may not be able to recover our technical infrastructure and user data in a timely manner to restart or provide our services, which may adversely affect our financial results. We also have been, and may in the future be, subject to increased energy and/or other costs to maintain the availability or performance of our products and services in connection with any such events.

A substantial portion of our technical infrastructure is provided by third parties. Any disruption or failure in the services we receive from these providers could harm our ability to handle existing or increased traffic and could significantly harm our business. Any financial or other difficulties these providers face may adversely affect our business, and we exercise little control over these providers, which increases our vulnerability to problems with the services they provide. We have experienced, and expect to continue to experience, various challenges with the supply chain related to supporting our technical infrastructure. As a result, we have adjusted, and may continue to adjust in the future, our procurement practices to adapt to the evolving landscape. We may not be able to secure sufficient components, equipment, or services from third parties to satisfy our needs, or we may be required to procure such components, equipment, or services on unfavorable terms.

Any of these developments may result in interruptions in the availability or performance of our products or services, require unfavorable changes to existing products or services, delay the introduction of future products or services, or otherwise adversely affect our business and financial results.

***We have experienced, and could experience in the future, difficulties in building and operating key portions of our technical infrastructure.***

We have designed and built our own data centers and key portions of our technical infrastructure through which we serve our products, and we plan to continue to significantly expand the size of our infrastructure primarily through data centers, subsea and terrestrial fiber optic cable systems, and other projects. The infrastructure expansion we are undertaking is complex and involves projects in multiple locations around the world, including in developing regions that expose us to increased risks relating to anti-corruption compliance, trade compliance, and political challenges, among others. We have changed, suspended, and terminated certain of these projects as a result of various factors, and may continue to do so in the future. Additional unanticipated delays or disruptions in the completion of these projects, including due to the availability of components, power or network capacity, or any shortage of labor necessary in building portions of such projects, challenges in obtaining required government or regulatory approvals, or other geopolitical challenges or actions by governments, whether as a result of trade disputes or otherwise, may lead to increased project costs, operational inefficiencies, interruptions in the delivery or degradation of the quality or reliability of our products and services, or impairment of assets on our balance

sheet. For example, like others in our industry, we rely on certain third-party equipment and components for our technical infrastructure that are manufactured by a small number of third parties, often with significant operations in a single region such as Asia. Any of the foregoing delays or disruptions, including actions by governments or geopolitical events such as international conflicts, could result in tariffs, sanctions, export or import controls, and other measures that restrict international trade, could reduce or eliminate the ability of our suppliers, manufacturers, or other third-party providers to continue their operations to manufacture, or limit or eliminate our ability to purchase, key components of our technical infrastructure.

In addition, there may be issues related to this infrastructure that are not identified during the testing phases of design and implementation, which may only become evident after we have started to fully utilize the underlying equipment, that could further degrade the user experience or increase our costs. Further, much of our technical infrastructure is located outside the United States, and action by a foreign government, or our response to such government action, has resulted, and may result in the future, in the impairment of a portion of our technical infrastructure, which may interrupt the delivery or degrade the quality or reliability of our products and lead to a negative user experience or increase our costs. Any of these events could adversely affect our business, reputation, or financial results.

***Real or perceived inaccuracies in our community and other metrics may harm our reputation and negatively affect our business.***

The numbers for our key metrics, which include our DAP and average revenue per person (ARPP), are calculated using internal company data based on the activity of user accounts. While these numbers are based on what we believe to be reasonable estimates of our user base for the applicable period of measurement, there are inherent challenges in measuring usage of our products across large online and mobile populations around the world. The methodologies used to measure these metrics require significant judgment and are also susceptible to algorithm or other technical errors. In addition, we are continually seeking to improve our estimates of our user base, and such estimates may change due to improvements or changes in our methodology. We regularly review our processes for calculating these metrics, and from time to time we discover inaccuracies in our metrics or make adjustments to improve their accuracy, which can result in adjustments to our historical metrics. Our ability to recalculate our historical metrics may be impacted by data limitations or other factors that require us to apply different methodologies for such adjustments. We generally do not intend to update previously disclosed Family metrics for any such inaccuracies or adjustments that are within the error margins disclosed below.

In addition, our Family metrics estimates will differ from estimates published by third parties due to differences in methodology or other factors such as data limitations or other challenges in measuring large online and mobile populations. For example, our methodologies include measurements of our user base that have in some instances exceeded estimates of addressable online and mobile populations that are based on data published by third parties.

Many people in our community have user accounts on more than one of our products, and some people have multiple user accounts within an individual product. Accordingly, for our Family metrics, we do not seek to count the total number of user accounts across our products because we believe that would not reflect the actual size of our community. Rather, our Family metrics represent our estimates of the number of unique people using at least one of Facebook, Instagram, Messenger, and WhatsApp. We do not require people to use a common identifier or link their accounts to use multiple products in our Family, and therefore must seek to attribute multiple user accounts within and across products to individual people. To calculate these metrics, we rely upon complex techniques, algorithms and machine learning models that seek to count the individual people behind user accounts, including by matching multiple user accounts within an individual product and across multiple products when we believe they are attributable to a single person, and counting such group of accounts as one person. These techniques and models require significant judgment, are subject to data and other limitations discussed below, and inherently are subject to statistical variances and uncertainties. We estimate the potential error in our Family metrics primarily based on user survey data as described further below, which itself is subject to error as well. While we expect the error margin for our Family metrics to vary from period to period, we estimate that such margin generally will be approximately 3% of our worldwide DAP. At our scale, it is very difficult to attribute multiple user accounts within and across products to individual people, and it is possible that the actual numbers of unique people using our products may vary significantly from our estimates, potentially beyond our estimated error margins. As a result, it is also possible that our Family metrics may indicate changes or trends in user numbers that do not match actual changes or trends.

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To calculate our estimates of DAP, we currently use a series of machine learning models that are developed based on internal reviews of limited samples of user accounts and calibrated against user survey data. We apply significant judgment in designing these models and calculating these estimates. For example, to match user accounts within individual products and across multiple products, we use data signals such as similar device information, IP addresses, and user names. We also calibrate our models against data from periodic user surveys of varying sizes and frequency across our products, which survey questions are based on monthly usage, and which are inherently subject to error. The timing and results of such user surveys have in the past contributed, and may in the future contribute, to changes in our reported Family metrics from period to period. In addition, our data limitations may affect our understanding of certain details of our business and increase the risk of error for our Family metrics estimates. Our techniques and models rely on a variety of data signals from different products, and we rely on more limited data signals for some products compared to others. For example, as a result of limited visibility into encrypted products, we have fewer data signals from WhatsApp user accounts and primarily rely on phone numbers and device information to match WhatsApp user accounts with accounts on our other products. Any loss of access to data signals we use in our process for calculating Family metrics, whether as a result of our own product decisions, actions by third-party browser or mobile platforms, regulatory or legislative requirements, or other factors, also may impact the stability or accuracy of our reported Family metrics, as well as our ability to report these metrics at all. Our estimates of Family metrics also may change as our methodologies evolve, including through the application of new data signals or technologies, product changes, or other improvements in our user surveys, algorithms, or machine learning that may improve our ability to match accounts within and across our products or otherwise evaluate the broad population of our users. In addition, such evolution may allow us to identify previously undetected violating accounts (as defined below).

We regularly evaluate our Family metrics to estimate the percentage of our DAP consisting solely of "violating" accounts. We define "violating" accounts as accounts which we believe are intended to be used for purposes that violate our terms of service, including bots and spam. In the first quarter of 2024, we estimated that less than 3% of our worldwide DAP consisted solely of violating accounts. Such estimation is based on an internal review of a limited sample of accounts, and we apply significant judgment in making this determination. For example, we look for account information and behaviors associated with Facebook and Instagram accounts that appear to be inauthentic to the reviewers, but we have limited visibility into WhatsApp user activity due to encryption. In addition, if we believe an individual person has one or more violating accounts, we do not include such person in our violating accounts estimation as long as we believe they have one account that does not constitute a violating account. From time to time, we disable certain user accounts, make product changes, or take other actions to reduce the number of violating accounts among our users, which may also reduce our DAP estimates in a particular period. We intend to disclose our estimates of the percentage of our DAP consisting solely of violating accounts on an annual basis in our Annual Report on Form 10-K. Violating accounts are very difficult to measure at our scale, and it is possible that the actual number of violating accounts may vary significantly from our estimates.

Other data limitations also may affect our understanding of certain details of our business. For example, while user-provided data indicates a decline in usage among younger users, this age data may be unreliable because a disproportionate number of our younger users register with an inaccurate age. Accordingly, our understanding of usage by age group may not be complete.

Our estimates for revenue by user location, as well as year-over-year percentage changes in ad impressions delivered and the average price per ad by user location, are also affected by data limitations and other challenges in measuring user geography. Our data regarding the geographic location of our users is estimated based on a number of factors, such as the user's IP address and self-disclosed location. These factors may not always accurately reflect the user's actual location. For example, a user may appear to be accessing our products from the location of the proxy server that the user connects to rather than from the user's actual location. The methodologies used to measure our metrics are also susceptible to algorithm or other technical errors.

In addition, from time to time we provide, or rely on, certain other metrics and estimates, including those relating to the reach and effectiveness of our ads. Many of our metrics involve the use of estimations and judgments, and our metrics and estimates are subject to software bugs, inconsistencies in our systems, and human error. Such metrics and estimates also change from time to time due to improvements or changes in our terminology or methodology, including as a result of loss of access to data signals we use in calculating such metrics and estimates. We have been, and may in the future be, subject to litigation as well as marketer, regulatory, and other inquiries regarding the accuracy of such metrics and estimates. Where marketers, developers, or investors do not perceive our metrics or estimates to be accurate, or where we discover material inaccuracies in our metrics or estimates, we may be subject to liability, our reputation may be harmed, and marketers and developers may be less willing to allocate their budgets or resources to our products that deliver ad impressions, which could negatively affect our business and financial results.

***We cannot assure you that we will effectively manage our scale.***

Our employee headcount and the scale and complexity of our business have increased significantly over time. The scale of our business and breadth of our products create significant challenges for our management, operational, and financial resources, including managing multiple relationships with users, marketers, developers, and other third parties, and maintaining information technology systems and internal controls and procedures that support the scale and complexity of our business. In addition, some members of our management do not have significant experience managing a large global business operation, so our management may not be able to manage our scale effectively. To effectively manage our scale, we must maintain, and continue to adapt, our operational, financial, and management processes and systems, manage our headcount and facilities, and effectively train and manage our personnel. Many of our personnel work remotely, which may lead to challenges in productivity and collaboration. In addition, from time to time, we implement organizational changes to pursue greater efficiency and realign our business and strategic priorities. For example, in 2022 and 2023, we announced several initiatives, including restructurings, employee layoffs, and measures to scale down our office facilities, but we cannot guarantee that they will achieve our intended results. These efforts also subject us to risks such as greater than anticipated costs, adverse effects on employee retention, and increased difficulty managing the scale and complexity of our business. For example, we could face delays or challenges with product development, other business and strategic initiatives, or legal and regulatory compliance, as well as other disruptions to our operations. As our organization continues to evolve, and we are required to implement and adapt complex organizational management structures, we may find it difficult to maintain the benefits of our corporate culture, including our ability to quickly develop and launch new and innovative products. Any of these developments could negatively affect our business, reputation, or financial results.

***We have significant international operations, which subject us to increased business, economic, and legal risks that could affect our financial results.***

We have significant international operations. We currently make our Family products available in more than 100 different languages, and we have offices or data centers in approximately 40 different countries. We may enter new international regions where we have limited or no experience in marketing, selling, and deploying our products. Our products are generally available globally, but some or all of our products or functionality may not be available in certain regions due to legal and regulatory complexities. For example, several of our products are not generally available in China. We also outsource certain operational functions to third parties globally. If we fail to deploy, manage, or oversee our international operations successfully, our business may suffer. In addition, we are subject to a variety of risks inherent in doing business internationally, including:

- political, social, or economic instability;
- risks related to legal, regulatory, and other government scrutiny applicable to U.S. companies with sales and operations in foreign jurisdictions, including with respect to privacy, tax, law enforcement, content, trade compliance, supply chain, competition, consumer protection, intellectual property, environmental, health and safety, accessibility, licensing, and infrastructure matters;
- potential damage to our brand and reputation due to compliance with local laws, including potential censorship or requirements to provide user information to local authorities;
- enhanced difficulty in reviewing content on our platform and enforcing our community standards across different languages and countries;
- fluctuations in currency exchange rates and compliance with currency controls;
- foreign exchange controls and tax and other regulations and orders that might prevent us from repatriating cash earned in countries outside the United States or otherwise limit our ability to move cash freely, and impede our ability to invest such cash efficiently;
- higher levels of credit risk and payment fraud;
- enhanced difficulties of integrating any foreign acquisitions;
- burdens of complying with a variety of foreign laws, including laws related to taxation, content removal, content moderation, data localization, data protection, competition, e-commerce and payments, and regulatory oversight;

- reduced protection for intellectual property rights in some countries;
- difficulties in staffing, managing, and overseeing global operations and the increased travel, infrastructure, and legal compliance costs associated with multiple international locations, including difficulties arising from personnel working remotely;
- compliance with statutory equity requirements and management of tax consequences; and
- geopolitical events affecting us, our marketers or our industry, including trade disputes, armed conflicts, and pandemics.

In addition, we must manage the potential conflicts between locally accepted business practices in any given jurisdiction and our obligations to comply with laws and regulations, including anti-corruption laws or regulations applicable to us, such as the U.S. Foreign Corrupt Practices Act and the U.K. Bribery Act 2010. We also must manage our obligations to comply with laws and regulations related to import and export controls, trade restrictions, and sanctions, including regulations established by the U.S. Office of Foreign Assets Control. Government agencies and authorities have a broad range of civil and criminal penalties they may seek to impose against companies for violations of anti-corruption laws or regulations, import and export controls, trade restrictions, sanctions, and other laws, rules, and regulations.

If we are unable to expand internationally and manage the complexity of our global operations successfully, our financial results could be adversely affected. We also may be required to or elect to cease or modify our operations or the offering of our products and services in certain regions, including as a result of the risks described above, which could adversely affect our business, user growth and engagement, and financial results.

***We face design, manufacturing, and supply chain risks with respect to our consumer hardware products that, if not properly managed, could adversely impact our financial results.***

We face a number of risks related to design, manufacturing, and supply chain management with respect to our consumer hardware products. For example, the consumer hardware products we sell from time to time have had, and in the future may have, quality issues resulting from the design or manufacture of the products, or from the software used in the products. Sometimes, these issues may be caused by components we purchase from other manufacturers or suppliers. Our brand and financial results could be adversely affected by any such quality issues, other failures to meet our customers' expectations, or findings of our consumer hardware products to be defective.

We rely on third parties to manufacture and manage the logistics of transporting and distributing our consumer hardware products, which subjects us to a number of risks. The manufacturing of our consumer hardware products depends on a small number of third parties, often with significant operations in a single region such as Asia. We have experienced, and may in the future experience, supply or labor shortages or other disruptions in logistics and the supply chain, which could result in shipping delays and negatively impact our operations, product development, and sales. We could be negatively affected if we are not able to engage third parties with the necessary capabilities or capacity on reasonable terms, or if those we engage with fail to meet their obligations (whether due to financial difficulties, manufacturing or supply constraints, or other reasons), or make adverse changes in the pricing or other material terms of such arrangements with them. The manufacturing, distribution, and sale of our consumer hardware products also may be negatively impacted by macroeconomic conditions, geopolitical challenges, trade disputes, or other actions by governments (including international conflicts that could result in tariffs, sanctions, export controls, and other measures that restrict international trade) that subject us to supply shortages, increased costs, or supply chain or logistics disruptions.

We also require the suppliers and business partners of our consumer hardware products to comply with laws and certain company policies regarding sourcing practices and standards on labor, trade compliance, health and safety, the environment, and business ethics, but we do not control them or their practices and standards. If any of them violates laws, fails to implement changes in accordance with newly enacted laws, or implements practices or standards regarded as unethical, corrupt, or non-compliant, we could experience supply chain disruptions, government action or fines, canceled orders, or damage to our reputation.

***We face inventory risk with respect to our consumer hardware products.***

We are exposed to inventory risks with respect to our consumer hardware products as a result of rapid changes in product cycles and pricing, unsafe or defective merchandise, supply chain disruptions, changes in consumer demand and consumer spending patterns, changes in consumer tastes with respect to our consumer hardware products, and other factors. The demand for our products can also change significantly between the time inventory or components are ordered and the date of sale. While we endeavor to accurately predict these trends and avoid overstocking or understocking consumer hardware products we may sell, from time to time we have experienced difficulties in accurately predicting and meeting the consumer demand for our products. In addition, when we begin selling or manufacturing a new consumer hardware product or enter new international regions, it may be difficult to establish vendor relationships, determine appropriate product or component selection, and accurately forecast demand. The acquisition of certain types of inventory or components may require significant lead-time and prepayment and they may not be returnable. Any one of the foregoing factors may adversely affect our operating results.

***We plan to continue to make acquisitions and pursue other strategic transactions, which could impact our financial condition or results of operations and may adversely affect the price of our common stock.***

As part of our business strategy, we have made and intend to continue to make acquisitions to add specialized employees and complementary companies, products, or technologies, and from time to time may enter into other strategic transactions such as investments and joint ventures. We may not be able to find suitable acquisition candidates, and we may not be able to complete acquisitions or other strategic transactions on favorable terms, or at all, including as a result of regulatory challenges. For example, we completed our divestiture of Giphy in 2023 following the United Kingdom Competition and Markets Authority's order directing us to divest Giphy post-acquisition. In addition, although we were able to successfully complete the acquisition after prevailing in federal court, the FTC sought to enjoin our proposed acquisition of Within Unlimited. In some cases, the costs of such acquisitions or other strategic transactions may be substantial, and there is no assurance that we will realize expected synergies and potential monetization opportunities for our acquisitions or a favorable return on investment for our strategic investments.

We may pay substantial amounts of cash or incur debt to pay for acquisitions or other strategic transactions, which has occurred in the past and could adversely affect our liquidity. The incurrence of indebtedness also results in increased fixed obligations and increased interest expense, and could also include covenants or other restrictions that would impede our ability to manage our operations. We may also issue equity securities to pay for acquisitions and we regularly grant restricted stock units to retain the employees of acquired companies, which could increase our expenses, adversely affect our financial results, and result in dilution to our stockholders. In addition, any acquisitions or other strategic transactions we announce could be viewed negatively by users, marketers, developers, or investors, which may adversely affect our business or the price of our Class A common stock.

We may also discover liabilities, deficiencies, or other claims associated with the companies or assets we acquire that were not identified in advance, which may result in significant unanticipated costs. The effectiveness of our due diligence review and our ability to evaluate the results of such due diligence are dependent upon the accuracy and completeness of statements and disclosures made or actions taken by the companies we acquire or their representatives, as well as the limited amount of time in which acquisitions are executed. In addition, we may fail to accurately forecast the financial impact of an acquisition or other strategic transaction, including tax and accounting charges. Acquisitions or other strategic transactions may also result in our recording of significant additional expenses to our results of operations and recording of substantial finite-lived intangible assets on our balance sheet upon closing. Any of these factors may adversely affect our financial condition or results of operations.

***We may not be able to successfully integrate our acquisitions, and we incur significant costs to integrate and support the companies we acquire.***

The integration of acquisitions requires significant time and resources, particularly with respect to companies that have significant operations or that develop products where we do not have prior experience, and we may not manage these processes successfully. We have made, and may in the future make, substantial investments of resources to support our acquisitions, which can result in significant ongoing operating expenses and the diversion of resources and management attention from other areas of our business. We cannot assure you that these investments will be successful. If we fail to successfully integrate the companies we acquire, we may not realize the benefits expected from the transaction and our business may be harmed.

***We are involved in numerous class action lawsuits and other litigation matters that are expensive and time consuming, and, if resolved adversely, could harm our business, financial condition, or results of operations.***

We are involved in numerous lawsuits, including stockholder derivative lawsuits and putative class action lawsuits, many of which claim statutory damages and/or seek significant changes to our business operations, and we anticipate that we will continue to be a target for numerous lawsuits in the future. Because of the scale of our user, advertiser, and developer base, the plaintiffs in class action cases filed against us typically claim enormous monetary damages even if the alleged per-user or entity harm is small or non-existent. In addition, we have faced, currently face, and will continue to face additional class action and other lawsuits based on claims related to advertising, antitrust, privacy, security, biometrics, content, algorithms, copyright, user well-being, employment, contingent workers, activities on our platform, consumer protection, or product performance or other claims related to the use of consumer hardware and software, including virtual reality technology and products, which are new and unproven. For example, we are currently the subject of multiple putative class action suits in connection with our platform and user data practices and the misuse of certain data by a developer that shared such data with third parties in violation of our terms and policies; the disclosure of our earnings results for the second quarter of 2018; our acquisitions of Instagram and WhatsApp, as well as other alleged anticompetitive conduct; a former employee's allegations and release of internal company documents beginning in September 2021; the disclosure of our earnings results for the fourth quarter of 2021; and allegations that we inflated our estimates of the potential audience size for advertisements, resulting in artificially increased demand and higher prices. We are also the subject of multiple lawsuits related to our alleged use of biometric technology, our alleged recommendation of and/or failure to remove harmful content, information from third-party websites or apps via our business tools, our alleged use of copyright-protected content to train our AI models, and allegations that Facebook and Instagram cause "social media addiction" in users and allegations of violations of the Children's Online Privacy Protection Act (COPPA). The results of any such lawsuits and claims cannot be predicted with certainty, and any negative outcome from any such lawsuits could result in payments of substantial monetary damages or fines, or undesirable changes to our products or business practices, and accordingly our business, financial condition, or results of operations could be materially and adversely affected.

There can be no assurances that a favorable final outcome will be obtained in all our cases, and defending any lawsuit is costly and can impose a significant burden on management and employees. Any litigation to which we are a party may result in an onerous or unfavorable judgment that may not be reversed upon appeal or in payments of substantial monetary damages or fines, or we may decide to settle lawsuits on similarly unfavorable terms, which has occurred in the past and which could adversely affect our business, financial conditions, or results of operations.

***We may have exposure to greater than anticipated tax liabilities.***

Our tax obligations, including income and non-income taxes, are based in part on our corporate operating structure and intercompany arrangements, including the manner in which we operate our business, develop, value, manage, protect, and use our intellectual property, and the valuations of our intercompany transactions. The tax laws applicable to our business, including the laws of the United States and other jurisdictions, are subject to interpretation and certain jurisdictions are aggressively interpreting their laws in new ways in an effort to raise additional tax revenue from companies such as Meta. We are subject to regular review and audit by U.S. federal, state, and foreign tax authorities. Tax authorities may disagree with certain positions we have taken, including our methodologies for valuing developed technology or intercompany arrangements, and any adverse outcome of such a review or audit could increase our worldwide effective tax rate, increase the amount of non-income taxes imposed on our business, and harm our financial position, results of operations, and cash flows. For example, in 2016 and 2018, the IRS issued formal assessments relating to transfer pricing with our foreign subsidiaries in conjunction with the examination of the 2010 through 2013 tax years. Although we disagree with the IRS's position and are litigating this issue, the ultimate resolution is uncertain and, if resolved in a manner unfavorable to us, may adversely affect our financial results.

The determination of our worldwide provision for income taxes and other tax liabilities requires significant judgment by management, and there are many transactions where the ultimate tax determination is uncertain. Our provision for income taxes is determined by the manner in which we operate our business, and any changes to such operations or laws applicable to such operations may affect our effective tax rate. Although we believe that our provision for income taxes and estimates of our non-income tax liabilities are reasonable, the ultimate settlement may differ from the amounts recorded in our financial statements and may materially affect our financial results in the period or periods for which such determination is made.

Our future income tax rates could be volatile and difficult to predict due to changes in jurisdictional profit split, changes in the amount and recognition of deferred tax assets and liabilities, or by changes in tax laws, regulations, or accounting principles.

***Changes in tax laws or tax rulings could materially affect our financial position, results of operations, and cash flows.***

The tax regimes we are subject to or operate under, including income and non-income taxes, are unsettled and may be subject to significant change. Changes in tax laws or tax rulings, or changes in interpretations of existing laws, could materially affect our financial position, results of operations, and cash flows. For example, the 2017 Tax Cuts and Jobs Act (Tax Act) enacted in December 2017 had a significant impact on our tax obligations and effective tax rate for the fourth quarter of 2017. The issuance of additional regulatory or accounting guidance related to the Tax Act, or other executive or Congressional actions in the United States or globally could materially increase our tax obligations and significantly impact our effective tax rate in the period such guidance is issued or such actions take effect, and in future periods. In addition, many countries have recently proposed or recommended changes to existing tax laws or have enacted new laws that could significantly increase our tax obligations in many countries where we do business or require us to change the manner in which we operate our business.

Over the last several years, the Organization for Economic Cooperation and Development (OECD) has been working on a Base Erosion and Profit Shifting Project that, if implemented, would change various aspects of the existing framework under which our tax obligations are determined in many of the countries in which we do business. A number of countries have begun to enact legislation to implement the OECD's 15% global minimum tax regime. Our effective tax rate and cash tax payments could increase in future years as further jurisdictions enact legislation. Similarly, the European Commission and several countries have issued proposals that would apply to various aspects of the current international tax rules under which we are taxed. These proposals include changes to the existing rules to calculate income tax, as well as proposals to change or impose new types of non-income taxes, including taxes based on a percentage of revenue. For example, several jurisdictions have proposed or enacted taxes applicable to digital services, which include business activities on digital advertising and online marketplaces, and which apply to our business. There are ongoing OECD negotiations that contemplate an alternative to these proposals, which may proliferate in the absence of multilateral agreement.

The European Commission has conducted investigations in multiple countries focusing on whether local country tax rulings or tax legislation provides preferential tax treatment that violates European Union state aid rules and concluded that certain member states, including Ireland, have provided illegal state aid in certain cases. These investigations may result in changes to the tax treatment of our foreign operations.

Due to the large and expanding scale of our international business activities, many of these types of changes to the taxation of our activities described above could increase our worldwide effective tax rate, increase the amount of non-income taxes imposed on our business, and harm our financial position, results of operations, and cash flows. Such changes may also apply retroactively to our historical operations and result in taxes greater than the amounts estimated and recorded in our financial statements.

***Given our levels of share-based compensation, our tax rate has in the past varied, and may in the future vary, significantly depending on our stock price.***

The tax effects of the accounting for share-based compensation have in the past impacted, and may in the future impact, our effective tax rate, sometimes significantly, from period to period. In periods in which our stock price varies from the grant price of the share-based compensation vesting in that period, we will recognize excess tax benefits or shortfalls that will impact our effective tax rate. For example, in the six months ended June 30, 2024, excess tax benefits recognized from share-based compensation decreased our provision for income taxes by \$1.48 billion and our effective income tax rate by five percentage points as compared to the tax rate without such benefits. In future periods in which our stock price varies in comparison to the grant price of the share-based compensation vesting in that period, our effective tax rate may be inversely impacted. The amount and value of share-based compensation issued relative to our earnings in a particular period will also affect the magnitude of the impact of share-based compensation on our effective tax rate. These tax effects are dependent on our stock price, which we do not control, and a decline in our stock price could significantly increase our effective tax rate and adversely affect our financial results.



***If our goodwill or intangible assets become impaired, we may be required to record a significant charge to earnings.***

We review our intangible assets for impairment when events or changes in circumstances indicate the carrying value may not be recoverable, such as a decline in stock price and market capitalization. We test goodwill for impairment at the reporting unit level at least annually. If such goodwill or intangible assets are deemed to be impaired, an impairment loss equal to the amount by which the carrying amount exceeds the fair value of the assets would be recognized. We may be required to record a significant charge in our financial statements during the period in which any impairment of our goodwill or intangible assets is determined, which would negatively affect our results of operations.

***The loss of one or more of our key personnel, or our failure to attract and retain other highly qualified personnel in the future, could harm our business.***

We currently depend on the continued services and performance of our key personnel, including Mark Zuckerberg. Mr. Zuckerberg and certain other members of management participate in various high-risk activities, such as combat sports, extreme sports, and recreational aviation, which carry the risk of serious injury and death. If Mr. Zuckerberg were to become unavailable for any reason, there could be a material adverse impact on our operations. The loss of other key personnel, including members of management as well as key engineering, product development, marketing, and sales personnel, could also disrupt our operations and have an adverse effect on our business.

In addition, we cannot guarantee we will continue to attract and retain the personnel we need to maintain our competitive position. In particular, we expect to continue to face significant challenges in hiring specialized technical personnel, particularly senior engineering talent, whether as a result of competition with other companies or other factors. As we continue to mature, the incentives to attract, retain, and motivate employees provided by our equity awards or by future arrangements may not be as effective as in the past, and if we issue significant equity to attract additional employees or to retain our existing employees, we would incur substantial additional share-based compensation expense and the ownership of our existing stockholders would be further diluted. Our ability to attract, retain, and motivate employees may also be adversely affected by stock price volatility. In addition, restrictive immigration policies or legal or regulatory developments relating to immigration may negatively affect our efforts to attract and hire new personnel as well as retain our existing personnel. If we do not succeed in attracting, hiring, and integrating excellent personnel, or retaining and motivating existing personnel, we may be unable to grow effectively.

***Our CEO has control over key decision making as a result of his control of a majority of the voting power of our outstanding capital stock.***

Mark Zuckerberg, our founder, Chairman, and CEO, is able to exercise voting rights with respect to a majority of the voting power of our outstanding capital stock and therefore has the ability to control the outcome of all matters submitted to our stockholders for approval, including the election of directors and any merger, consolidation, or sale of all or substantially all of our assets. This concentrated control could delay, defer, or prevent a change of control, merger, consolidation, or sale of all or substantially all of our assets that our other stockholders support, or conversely this concentrated control could result in the consummation of such a transaction that our other stockholders do not support. This concentrated control could also discourage a potential investor from acquiring our Class A common stock, which has limited voting power relative to the Class B common stock, and might harm the trading price of our Class A common stock. In addition, Mr. Zuckerberg has the ability to control the management and major strategic investments of our company as a result of his position as our CEO and his ability to control the election or, in some cases, the replacement of our directors. In the event of his death, the shares of our capital stock that Mr. Zuckerberg owns will be transferred to the persons or entities that he has designated. As a board member and officer, Mr. Zuckerberg owes a fiduciary duty to our stockholders and must act in good faith in a manner he reasonably believes to be in the best interests of our stockholders. As a stockholder, even a controlling stockholder, Mr. Zuckerberg is entitled to vote his shares in his own interests, which may not always be in the interests of our stockholders generally.

***We cannot guarantee that our share repurchase program will be fully consummated or that it will enhance long-term stockholder value. Share repurchases and dividend payments could also increase the volatility of the trading price of our stock and will diminish our cash reserves.***

Although our board of directors has authorized a share repurchase program that does not have an expiration date, the program does not obligate us to repurchase any specific dollar amount or to acquire any specific number of shares of our Class A common stock. The specific timing and amount of any share repurchases, and the specific timing and amount of any

dividend payments, will depend on prevailing share prices, general economic and market conditions, company performance, and other considerations. We cannot guarantee that the repurchase program will be fully consummated or that it will enhance long-term stockholder value. The repurchase program and dividend payments could affect the trading price of our stock and increase volatility, and any announcement of a termination of this repurchase program or dividend payments may result in a decrease in the trading price of our stock. In addition, this repurchase program and dividend payments will diminish our cash reserves.

*There can be no assurance that we will continue to declare cash dividends.*

On February 1, 2024, we announced the initiation of our first-ever quarterly cash dividend. The payment of any cash dividends in the future is subject to continued capital availability, market conditions, applicable laws and agreements, and our board of directors continuing to determine that the declaration of dividends are in the best interests of our stockholders. The declaration and payment of any dividend may be discontinued or reduced at any time, and there can be no assurance that we will declare cash dividends in the future in any particular amounts, or at all.

### **Risks Related to Government Regulation and Enforcement**

*Actions by governments that restrict access to Facebook or our other products in their countries, censor or moderate content on our products in their countries, or otherwise impair our ability to sell or deliver advertising in their countries, could substantially harm our business and financial results.*

Governments from time to time seek to censor or moderate content available on Facebook or our other products in their country, restrict access to our products from their country partially or entirely, or impose other restrictions that may affect the accessibility of our products in their country for an extended period of time or indefinitely. For example, user access to Facebook and certain of our other products has been or is currently restricted in whole or in part in China, Iran, and North Korea. In addition, government authorities in other countries may seek to restrict user access to our products if they consider us to be in violation of their laws or a threat to public safety or for other reasons, and certain of our products have been restricted by governments in other countries from time to time. For example, in 2020, Hong Kong adopted a National Security Law that provides authorities with the ability to obtain information, remove and block access to content, and suspend user services, and if we are found to be in violation of this law then the use of our products may be restricted. Hong Kong has passed additional national security legislation in 2024. In addition, if we are required to or elect to make changes to our marketing and sales or other operations in Hong Kong as a result of the National Security Law or other legislation, our revenue and business in the region will be adversely affected. In addition, in connection with the war in Ukraine in the first quarter of 2022, access to Facebook and Instagram was restricted in Russia and the services were then prohibited by the Russian government, which has adversely affected, and will likely continue to adversely affect, our revenue and business in the region.

It is also possible that government authorities could take action that impairs our ability to sell or deliver advertising, including in countries where access to our consumer-facing products may be blocked or restricted. For example, we generate meaningful revenue from a small number of resellers serving advertisers based in China, and it is possible that the Chinese, United States, or other government could take action that reduces or eliminates our China-based advertising revenue, whether as a result of the trade dispute with the United States, in response to content issues or information requests in Hong Kong or elsewhere, or for other reasons, or take other action against us, such as imposing taxes or other penalties, which could adversely affect our financial results.

Similarly, if we are found to be out of compliance with certain legal requirements for companies in Turkey, the Turkish government could take action to reduce or eliminate our Turkey-based advertising revenue or otherwise adversely impact access to our products. In the event that content shown on Facebook or our other products is subject to censorship, access to our products is restricted, in whole or in part, in one or more countries, we are required to or elect to make changes to our operations, or other restrictions are imposed on our products, or our competitors are able to successfully penetrate new geographic markets or capture a greater share of existing geographic markets that we cannot access or where we face other restrictions, our ability to retain or increase our user base, user engagement, or the level of advertising by marketers may be adversely affected, we may not be able to maintain or grow our revenue as anticipated, and our financial results could be adversely affected.

***Our business is subject to complex and evolving U.S. and foreign laws and regulations regarding privacy, data use, data combination, data protection, content, competition, safety and consumer protection, e-commerce, and other matters. Many of these laws and regulations are subject to change and uncertain interpretation, and could result in claims, changes to our products and business practices, monetary penalties, increased cost of operations, or declines in user growth or engagement, or otherwise harm our business.***

We are subject to a variety of laws and regulations in the United States and abroad that involve matters central to our business, including privacy, data use, data combination, data protection and personal information, the provision of our services to younger users, biometrics, encryption, rights of publicity, content, integrity, intellectual property, advertising, marketing, distribution, data security, data retention and deletion, data localization and storage, data disclosure, AI and machine learning, electronic contracts and other communications, competition, protection of minors, consumer protection, civil rights, accessibility, telecommunications, product liability, e-commerce, taxation, economic or other trade controls including sanctions, anti-corruption and political law compliance, securities law compliance, and online payment services. The introduction of new products, expansion of our activities in certain jurisdictions, or other actions that we may take may subject us to additional laws, regulations, or other government scrutiny. In addition, these U.S. and foreign laws and regulations may impose different obligations from each other and create the potential for significant fines to be imposed.

These U.S. federal and state, EU, and other international laws and regulations, which in some cases can be enforced by private parties in addition to government entities, are constantly evolving and can be subject to significant change. As a result, the application, interpretation, and enforcement of these laws and regulations are often uncertain, particularly in the new and rapidly evolving industry in which we operate, and may be interpreted and applied inconsistently from jurisdiction to jurisdiction and inconsistently with our current policies and practices. For example, regulatory or legislative actions or litigation concerning the manner in which we display content to our users, moderate content, provide our services to younger users, or are able to use data in various ways, including for advertising, could adversely affect user growth and engagement. Such actions could affect the manner in which we provide our services or adversely affect our financial results, including by imposing significant fines that increasingly may be calculated based on global revenue.

We are also subject to evolving laws and regulations that dictate whether, how, and under what circumstances we can transfer, process or receive certain data that is critical to our operations, including data shared between countries or regions in which we operate and data shared among our products and services. For example, in 2016, the European Union and United States agreed to a transfer framework for data transferred from the European Union to the United States, called the Privacy Shield, but the Privacy Shield was invalidated in July 2020 by the Court of Justice of the European Union (CJEU). In addition, the other bases upon which Meta relies to transfer such data, such as Standard Contractual Clauses (SCCs), have been subjected to regulatory and judicial scrutiny. For example, the CJEU considered the validity of SCCs as a basis to transfer user data from the European Union to the United States following a challenge brought by the Irish Data Protection Commission (IDPC). Although the CJEU upheld the validity of SCCs in July 2020, on May 12, 2023, the IDPC issued a Final Decision concluding that Meta Platforms Ireland’s reliance on SCCs in respect of certain transfers of European Economic Area (EEA) Facebook user data was not in compliance with the GDPR. The IDPC issued an administrative fine of EUR €1.2 billion as well as corrective orders requiring Meta Platforms Ireland to suspend the relevant transfers and to bring its processing operations into compliance with Chapter V GDPR by ceasing the unlawful processing, including storage, of such data in the United States. We are appealing this Final Decision and it is currently subject to an interim stay from the Irish High Court.

On March 25, 2022, the European Union and United States announced that they had reached an agreement in principle on a new EU-U.S. Data Privacy Framework (EU-U.S. DPF). On October 7, 2022, President Biden signed the Executive Order on Enhancing Safeguards for United States Signals Intelligence Activities (E.O.), and on June 30, 2023, the European Union and the three additional countries making up the EEA were designated by the United States Attorney General as a “qualifying state” under Section 3(f) of the E.O. On July 10, 2023, the European Commission adopted an adequacy decision in relation to the United States. The adequacy decision concludes that the United States ensures an adequate level of protection for personal data transferred from the European Union to organizations in the United States that are included in the “Data Privacy Framework List,” maintained and made publicly available by the United States Department of Commerce pursuant to the EU-U.S. DPF. The implementation of the EU-U.S. DPF and the adequacy decision are important and welcome milestones, and we are implementing steps to comply with the above corrective orders following engagement with the IDPC. The EU-U.S. DPF replaces two prior adequacy frameworks which were invalidated by the CJEU. A further invalidation of the EU-U.S. DPF by the CJEU could create considerable uncertainty and lead to us being unable to offer a

number of our most significant products and services, including Facebook and Instagram, in Europe, which would materially and adversely affect our business, financial condition, and results of operations.

In addition, we have been managing investigations and lawsuits in India and other jurisdictions regarding the 2021 updates to WhatsApp's terms of service and privacy policy and its sharing of certain data with other Meta products and services, including a lawsuit currently pending before the Supreme Court of India. If we are unable to transfer data between and among countries and regions in which we operate, or if we are restricted from sharing data among our products and services, it could affect our ability to provide our services, the manner in which we provide our services or our ability to target ads, which could adversely affect our financial results.

We have been subject to other significant legislative and regulatory developments, which together with proposed or new legislation and regulations could significantly affect our business in the future. For example, we have implemented a number of product changes and controls as a result of requirements under the European General Data Protection Regulation (GDPR), and may implement additional changes in the future. The GDPR also requires submission of personal data breach notifications to our lead European Union privacy regulator, the IDPC, and includes significant penalties for non-compliance with the notification obligation as well as other requirements of the regulation. The interpretation of the GDPR is still evolving, including through decisions of the CJEU, and draft decisions in investigations by the IDPC are subject to review by other European privacy regulators as part of the GDPR's consistency mechanism, which may lead to significant changes in the final outcome of such investigations. As a result, the interpretation and enforcement of the GDPR, as well as the imposition and amount of penalties for non-compliance, are subject to significant uncertainty, and as it evolves, could potentially have a negative impact on our business and/or our operations. In addition, Brazil, the United Kingdom, and other countries have enacted similar data protection regulations imposing data privacy-related requirements on products and services offered to users in their respective jurisdictions. The California Consumer Privacy Act, as amended by the California Privacy Rights Act (CCPA), also establishes certain transparency rules and creates certain data privacy rights for users, including limitations on our use of certain sensitive personal information and more ability for users to control the purposes for which their data is shared with third parties. Other states have proposed or enacted similar comprehensive privacy laws that afford users with similar data privacy rights and controls. These laws and regulations are evolving and subject to interpretation, and resulting limitations on our advertising services, or reductions of advertising by marketers, have to some extent adversely affected, and will continue to adversely affect, our advertising business. Some states have also proposed or enacted laws specifically focused on the privacy rights and controls for users under 18 years old and their parents or guardians. Like comprehensive privacy laws, these laws are evolving and subject to interpretation, and may restrict our ability to offer certain products and services provided to all or certain cohorts of users in those states, adversely affecting our advertising business. In Europe, regulators continue to enforce guidance concerning the ePrivacy Directive's requirements regarding the use of cookies and similar technologies, and may impose specific measures in the future which could directly impact our use of such technologies. In addition, the ePrivacy Directive and national implementation laws impose additional limitations on the use of data across messaging products and include significant penalties for non-compliance. Changes to our products or business practices as a result of these or similar developments have adversely affected, and may in the future adversely affect, our advertising business. For example, in response to regulatory developments in Europe, we announced plans to change the legal basis for behavioral advertising on Facebook and Instagram in the EU, EEA, and Switzerland from "legitimate interests" to "consent," and in November 2023 we began offering users in the region a "subscription for no ads" alternative. We are engaging with regulators on our consent model, including regarding compliance with requirements under the GDPR, DMA, and EU consumer laws. For example, in March 2024, the European Commission opened formal proceedings regarding the compliance of our "subscription for no ads" model with requirements under the DMA, and it issued preliminary findings in July 2024. In addition, the European Data Protection Board has published an opinion on the operation of such models under GDPR and European consumer protection organizations have raised concerns regarding our compliance with consumer protection laws. These or any similar developments in the future may negatively impact our user growth and engagement, revenue, and financial results.

Similarly, there are a number of legislative proposals or recently enacted laws in the European Union, the United States, at both the federal and state level, as well as other jurisdictions that could impose new obligations or limitations in areas affecting our business. For example, the DMA in the European Union imposes restrictions and requirements on companies like ours, including in areas such as the combination of data across services, mergers and acquisitions, and product design. The DMA also includes significant penalties for non-compliance, and its key requirements are enforceable against designated gatekeeper companies as of March 2024. The DMA has caused, and may in the future cause, us to incur significant compliance costs and make changes to our products or business practices. The requirements under the DMA will likely be subject to further interpretation and regulatory engagement. Pending or future proposals to modify competition laws in a number of jurisdictions could have similar effects. Further, the DSA, which started to apply to our business as of August

2023, imposes certain restrictions and requirements for our products and services and subjects us to increased compliance costs, and includes significant penalties for non-compliance. The interpretation and enforcement of the DMA and the DSA, as well as the imposition and amount of penalties for non-compliance, are subject to significant uncertainty. In addition, some countries, such as India and Turkey, are considering or have passed legislation implementing data protection requirements, new competition requirements, or requiring local storage and processing of data or similar requirements that could require substantial changes to our products, increase the cost and complexity of delivering our services, cause us to cease the offering of our products and services in certain countries, and/or result in fines or other penalties. New legislation or regulatory decisions that restrict our ability to collect and use information about minors may also result in limitations on our advertising services or our ability to offer products and services to minors in certain jurisdictions. Legislative proposals in Europe, Asia-Pacific, and other jurisdictions may also subject us to new requirements relating to allegedly fraudulent activities by third parties on our platform, which could cause us to incur significant compliance costs or make changes to our products or business practices, and could subject us to additional fines and penalties or liability for losses to users in such transactions. In addition, the Province of British Columbia is considering a bill that, if passed, would permit the government to recover public health-related costs potentially associated with providing goods and services in British Columbia, including potentially social media services.

We are also subject to disclosure, reporting, and diligence requirements regarding our social and environmental risks and initiatives. There has been increased focus on these initiatives by many regulators, investors, and other stakeholders and any actual or perceived failure by us to comply with applicable federal, state, local or international laws and regulations could result in legal and regulatory proceedings against us and materially and adversely affect our business, financial condition, and results of operations.

These laws and regulations, as well as any associated claims, inquiries, or investigations or any government actions, have led to, and may in the future lead to, unfavorable outcomes including increased compliance costs, changes to our products, loss of revenue, delays or impediments in the development of new products, negative publicity and reputational harm, increased operating costs, diversion of management time and attention, and remedies that harm our business, including fines, damages, or orders that we modify or cease existing business practices.

***We have been and remain subject to regulatory and other government investigations, enforcement actions, and settlements, and we expect to continue to be subject to such proceedings and other inquiries in the future, which could cause us to incur substantial costs or require us to change our business practices in a manner materially adverse to our business.***

We receive formal and informal inquiries from government authorities and regulators regarding our compliance with laws and regulations, many of which are evolving and subject to interpretation. We are and expect to continue to be the subject of investigations, inquiries, data requests, requests for information, actions, and audits in the United States, Europe, and around the world, particularly in the areas of privacy, data use, data combination, and data protection, including with respect to processing of sensitive data, data from third parties, data for advertising purposes, data security, minors, safety, law enforcement, consumer protection, civil rights, content and content moderation, use of our platform for illegal, illicit, or otherwise objectionable activity, competition, AI, and machine learning. In addition, we are currently, and may in the future be, subject to regulatory orders or consent decrees. For example, data protection, competition, content, and consumer protection authorities in the European Union, United States, and other jurisdictions have initiated actions, investigations, or administrative orders seeking to restrict the ways in which we collect and use information, or impose sanctions, and other authorities may do the same. In addition, we have been and continue to be the subject of litigation and investigations related to the ways in which we collect and use information, including where advertisers are subject to additional regulation such as housing, employment, credit, and financial services. In addition, beginning in March 2018, we became subject to FTC, state attorneys general, and other government inquiries in the United States, Europe, and other jurisdictions in connection with our platform and user data practices as well as the misuse of certain data by a developer that shared such data with third parties in violation of our terms and policies. In July 2019, we entered into a settlement and modified consent order to resolve the FTC inquiry, which took effect in April 2020 and, among other things, required us to significantly enhance our practices and processes for privacy compliance and oversight. The state attorneys general inquiry and certain government inquiries in other jurisdictions remain ongoing. The FTC also continues to monitor us and our compliance with the modified consent order and initiated an administrative proceeding against us, which we are challenging at the agency and in federal court, that alleges deficient compliance and violations of the Children's Online Privacy Protection Act (COPPA), the COPPA Rule, and Section 5 of the Federal Trade Commission Act and seeks changes to our business. If we are unsuccessful in our challenge to the FTC's action and the agency imposes its proposed order in its current form, we would be subject to significant limitations, including on our ability to launch new and modified products or use data of users under 18 years old. We also notify the

IDPC, our lead European Union privacy regulator under the GDPR, and other regulators of certain other personal data breaches and privacy issues, and are subject to inquiries and investigations by the IDPC and other regulators regarding various aspects of our regulatory compliance. In addition, we are subject to inquiries and investigations by the European Commission regarding our compliance with various provisions of the DSA relating to the use of Facebook and Instagram, including matters related to elections, content reporting and appeals, third-party access to data, political content recommendations, potential deceptive advertising and disinformation, and minors and other vulnerable users. We have been, and may in the future be, subject to penalties, fines, and requirements to change our business practices as a result of such inquiries and investigations. In addition, in July 2024, we entered into a settlement to resolve a lawsuit by the state of Texas in connection with the "tag suggestions" feature and other uses of facial recognition technology.

We are also subject to various litigation and formal and informal inquiries and investigations by competition authorities in the United States, Europe, and other jurisdictions, which relate to many aspects of our business, including with respect to users and advertisers. Such inquiries, investigations, and lawsuits concern, among other things, our business practices in the areas of social networking or social media services, messaging services, digital advertising, and/or mobile or online applications, as well as our acquisitions. For example, beginning in 2019, we became the subject of antitrust inquiries and investigations by the FTC and the U.S. Department of Justice. Beginning in 2020, we became subject to a lawsuit by the FTC alleging that we violated antitrust laws, including by acquiring Instagram in 2012 and WhatsApp in 2014. The complaint seeks a permanent injunction against our company's alleged violations of the antitrust laws, and other equitable relief, including divestiture or reconstruction of Instagram and WhatsApp. In addition, in December 2022, the European Commission issued a Statement of Objections alleging that we tie Facebook Marketplace to Facebook and use data in a manner that infringes European Union competition rules. We are also subject to other government inquiries and investigations relating to our business activities and disclosure practices. For example, beginning in September 2021, we became subject to government investigations and requests relating to allegations and the release of internal company documents by a former employee.

Orders issued by, or inquiries or enforcement actions initiated by, government or regulatory authorities could cause us to incur substantial costs, expose us to civil and criminal liability (including liability for our personnel) or penalties (including substantial monetary remedies), interrupt or require us to change our business practices in a manner materially adverse to our business (including changes to our products or user data practices), result in negative publicity and reputational harm, divert resources and the time and attention of management from our business, or subject us to other structural or behavioral remedies that adversely affect our business, and we have experienced some of these adverse effects to varying degrees from time to time.

***Compliance with our FTC consent order, the GDPR, U.S. state privacy and youth social media laws, the ePrivacy Directive, the DMA, the DSA, and other regulatory and legislative privacy requirements require significant operational resources and modifications to our business practices, and any compliance failures may have a material adverse effect on our business, reputation, and financial results.***

We are engaged in ongoing privacy compliance and oversight efforts, including in connection with our modified consent order with the FTC, requirements of the GDPR, and other current and anticipated regulatory and legislative requirements around the world, such as U.S. state privacy and youth social media laws, the ePrivacy Directive, DMA, DSA, the Korean Personal Information Protection Act, and the Indian Digital Personal Data Protection Act. In particular, we are maintaining a comprehensive privacy program in connection with the FTC consent order that includes substantial management and board of directors oversight, stringent operational requirements and reporting obligations, prohibitions against making misrepresentations relating to user data, a process to regularly certify our compliance with the privacy program to the FTC, and regular assessments of our privacy program by an independent third-party assessor, which has been and will continue to be challenging and costly to maintain and enhance. These compliance and oversight efforts are increasing demand on our systems and resources, and require significant new and ongoing investments, including investments in compliance processes, personnel, and technical infrastructure. We continually reallocate resources internally to assist with these efforts, and this has had, and will continue to have, an adverse impact on our other business initiatives. In addition, these efforts require substantial modifications to our business practices and make some practices such as product and ads development more difficult, time-consuming, and costly. As a result, we believe our ability to develop and launch new features, products, and services in a timely manner has been and will continue to be adversely affected. Further, our privacy compliance and oversight efforts have required, and we expect will continue to require, significant time and attention from our management and board of directors. The requirements of the FTC consent order and other privacy-related laws and regulations are complex and apply broadly to our business, and from time to time we notify relevant authorities of instances where we are not in full compliance with these requirements or otherwise discover privacy issues, and we expect to continue

to do so as any such issues arise in the future. In addition, regulatory and legislative privacy requirements are constantly evolving and can be subject to significant change and uncertain interpretation. For example, we are subject to restrictions and requirements under the DMA, including in areas such as the combination of data across services and product design, which will likely be subject to further interpretation and regulatory engagement.

The FTC initiated an administrative proceeding against us alleging, among other things, deficient compliance with the FTC consent order and seeking substantial modifications to the requirements of the consent order, including a prohibition on our use of minors' data for any commercial purposes, changes to the composition of our board of directors, and significant limitations on our ability to modify and launch new products. We are challenging the FTC's administrative proceeding. If the challenge is unsuccessful and the FTC is able to impose the proposed order in its current form, it would limit our ability to provide certain features and services, engage in certain business practices, require us to further increase the time, resources, and costs we spend on compliance and oversight efforts, and would adversely affect our business and financial results.

If we are unable to successfully implement and comply with the mandates of the FTC consent order (including any future modifications to the order), GDPR, U.S. state privacy and youth social media laws, ePrivacy Directive, DMA, DSA, or other regulatory or legislative requirements, or if any relevant authority believes that we are in violation of the consent order or other applicable requirements, we may be subject to regulatory or governmental investigations or lawsuits, which may result in significant monetary fines, judgments, penalties, or other remedies, and we may also be required to make additional changes to our business practices. Any of these events could have a material adverse effect on our business, reputation, and financial results.

***We may incur liability as a result of information retrieved from or transmitted over the internet or published using our products or as a result of claims related to our products, and legislation regulating content on our platform may require us to change our products or business practices and may adversely affect our business and financial results.***

We have faced, currently face, and will continue to face claims and government inquiries relating to information or content that is published or made available on our products, including claims, inquiries, and investigations relating to our policies, algorithms, and enforcement actions with respect to such information or content. In particular, the nature of our business exposes us to claims related to defamation, dissemination of misinformation or news hoaxes, deceptive and fraudulent advertising, discrimination, harassment, intellectual property rights, rights of publicity and privacy, personal injury torts, laws regulating hate speech or other types of content, on- or offline safety and well-being (such as acts of violence, terrorism, improper promotion or distribution of pharmaceuticals and illicit drugs, human exploitation, child exploitation, illegal gaming, and other fraudulent or otherwise illegal activity), products liability, consumer protection, and breach of contract, among others. For example, we have recently seen an increase in claims brought by younger users related to well-being issues based on allegedly harmful content that is shared on or recommended by our products. In addition, we have been subject to litigation alleging that our ad targeting and delivery practices constitute violations of anti-discrimination laws.

The potential risks relating to any of the foregoing types of claims are currently enhanced in certain jurisdictions outside the United States where our protection from liability for third-party actions may be unclear or where we may be less protected under local laws than we are in the United States. For example, in April 2019, the European Union passed a directive (the European Copyright Directive) expanding online platform liability for copyright infringement and regulating certain uses of news content online, which most member states have already implemented into their national laws. In addition, the European Union revised the European Audiovisual Media Service Directive to apply to online video-sharing platforms, which member states are implementing. In the United States, in 2023, the U.S. Supreme Court heard oral argument in a matter in which the scope of the protections available to online platforms under Section 230 of the Communications Decency Act (Section 230) was at issue, but it ultimately declined to address Section 230 in its decision. There also have been, and continue to be, various other litigation concerning, and state and federal legislative and executive efforts to remove or restrict, the scope of the protections under Section 230, as well as to impose new obligations on online platforms with respect to commerce listings, user access and content, counterfeit goods and copyright-infringing material, and our current protections from liability for third-party content in the United States could decrease or change. We could incur significant costs investigating and defending such claims and, if we are found liable, significant damages.

We could also face fines, orders restricting or blocking our services in particular geographies, or other judicial or government-imposed remedies as a result of content hosted on our services. For example, legislation in Germany and India has resulted, and may result in the future, in the imposition of fines or other penalties for failure to comply with certain content removal, law enforcement cooperation, and disclosure obligations. Numerous other countries in Europe, the Middle East, Asia-Pacific, and Latin America are considering or have implemented similar legislation imposing liability or

potentially significant penalties, including fines, service throttling, or advertising bans, for failure to remove certain types of content or follow certain processes. For example, we have been subject to fines and may in the future be subject to other penalties in connection with social media legislation in Turkey, and we have been subject to fines and service blocking and prohibition in Russia. Content-related legislation also has required us, and may require us in the future, to change our products or business practices, increase our costs, or otherwise impact our operations or our ability to provide services in certain geographies. For example, the European Copyright Directive requires certain online services to obtain authorizations for copyrighted content or to implement measures to prevent the availability of that content, which may require us to make substantial investments in compliance processes. Member states' laws implementing the European Copyright Directive may also require online platforms to pay for content. In addition, our products and services are subject to restrictions and requirements, and we are subject to increased compliance costs, as a result of the Digital Services Act in the European Union, which started to apply to our business as of August 2023, and other content-related legislative developments such as the Online Safety and Media Regulation Act in Ireland and the Online Safety Act in the United Kingdom. Certain countries have also implemented or proposed legislation that may require us to pay publishers for certain news content shared on our products. For example, as a result of such legislation in Canada, we have ended the availability of news content for Canadian users on Facebook and Instagram. In the United States, changes to the protections available under Section 230 or the First Amendment to the U.S. Constitution or new state or federal content-related legislation or investigations may increase our costs or require significant changes to our products, business practices, or operations, which could adversely affect user growth and engagement.

Any of the foregoing events could adversely affect our business and financial results.

***Payment-related activities may subject us to additional regulatory requirements, regulatory actions, and other risks that could be costly and difficult to comply with or that could harm our business.***

Several of our products offer Payments functionality, including enabling our users to purchase tangible, virtual, and digital goods from merchants and developers that offer applications using our Payments infrastructure, send money to other users, and make donations to certain charitable organizations, among other activities. We are subject to a variety of laws and regulations in the United States, Europe, and elsewhere, including those governing anti-money laundering and counter-terrorist financing, money transmission, stored value, gift cards and other prepaid access instruments, electronic funds transfer, virtual currency, consumer protection, charitable fundraising, economic sanctions, and import and export restrictions. In addition, we could become subject to new consumer protection laws and regulations that may be adopted or amended, including those related to payments activity as well as sharing, collection, and use of payments-related data. Depending on how our Payments products evolve, we may also be subject to other laws and regulations including those governing gambling, banking, and lending. In some jurisdictions, the application or interpretation of these laws and regulations is not clear. We have received certain payments licenses in the United States, the European Economic Area, and other jurisdictions for our regulated Payments-related products and activities. These licenses increase flexibility in how our use of Payments may evolve, help mitigate regulatory uncertainty, and will generally require us to demonstrate compliance with many domestic and foreign laws in relation to our regulated Payments products and activities. Our efforts to comply with these laws and regulations could be costly and result in diversion of management time and attention and may still not guarantee compliance. In the event that we are found to be in violation of any such legal or regulatory requirements, we may be subject to monetary fines or other penalties such as a cease and desist order, or we may be required to make product changes, any of which could have an adverse effect on our business and financial results.

In addition, we are subject to a variety of additional risks as a result of Payments transactions, including: increased costs and diversion of management time and attention and other resources to address bad transactions or customer disputes; potential fraudulent or otherwise illegal activity by users, developers, employees, or third parties; restrictions on the investment of consumer funds used to transact Payments; and additional disclosure and reporting requirements. We have also launched payments functionality on certain of our applications and may in the future undertake additional payments initiatives, including as part of our metaverse efforts, which may subject us to many of the foregoing risks and additional licensing requirements.



## Risks Related to Data, Security, Platform Integrity, and Intellectual Property

*Security breaches, improper access to or disclosure of our data or user data, other hacking and phishing attacks on our systems, or other cyber incidents could harm our reputation and adversely affect our business.*

Our industry is prone to cyber-attacks by parties seeking unauthorized access to our data or users' data or to disrupt our ability to provide service. Our products and services involve the collection, storage, processing, and transmission of a large amount of data. Any failure to prevent or mitigate security breaches and improper access to or disclosure of our data or user data, including personal information, content, or payment information from users, or information from marketers, could result in the loss, modification, disclosure, destruction, or other misuse of such data, which could harm our business and reputation and diminish our competitive position. In addition, computer malware, viruses, social engineering (such as spear phishing attacks), scraping, and general hacking continue to be prevalent in our industry, have occurred on our systems, and will occur on our systems in the future. We also regularly encounter attempts to create false or undesirable user accounts, purchase ads, or take other actions on our platform for purposes such as spamming, spreading misinformation, or other illegal, illicit, or otherwise objectionable ends. As a result of our prominence, the size of our user base, the types and volume of personal data and content on our systems, and the evolving nature of our products and services (including our efforts involving new and emerging technologies), we believe that we are a particularly attractive target for such breaches and attacks, including from nation states and highly sophisticated, state-sponsored, or otherwise well-funded actors, and we experience heightened risk from time to time as a result of geopolitical events. Our efforts to address undesirable activity on our platform also increase the risk of retaliatory attacks. Such breaches and attacks may cause interruptions to the services we provide, degrade the user experience or otherwise adversely affect users, cause users or marketers to lose confidence and trust in our products, impair our internal systems, or result in financial harm to us. Our efforts to protect our company data or the information we receive, and to disable undesirable activities on our platform, may also be unsuccessful due to software bugs, misconfigurations, vulnerabilities, or other technical malfunctions; employee, contractor, or vendor error or malfeasance; social engineering or other cyber-attacks directed towards our personnel or their access; misuse of company data or systems by our personnel; defects or vulnerabilities in our vendors' information technology systems or offerings; government exploitation or surveillance; breaches of physical security of our facilities, technical infrastructure, or other equipment; or other threats that evolve. In addition, other parties may attempt to fraudulently induce employees or users to disclose information in order to gain access to our data or our users' data. Cyber-attacks continue to evolve in sophistication and volume, and inherently may be difficult to detect for long periods of time. Although we have developed systems and processes that are designed to protect our data and user data, to reduce the risk of data loss or misuse, to disable undesirable accounts and activities on our platform, and to reduce the risk of or detect security breaches, such measures will not provide absolute security, and we cannot assure you that we will be able to react in a timely manner to any cyber-attacks or other security incidents, or that our remediation efforts will be successful. Our business and operations span numerous geographies around the world and involve thousands of employees, contractors, vendors, developers, partners, and other third parties. At any given time, we face known and unknown cybersecurity risks and threats that are not fully mitigated, and we discover vulnerabilities in our security efforts.

In addition, some of our developers or other partners, such as those that help us measure the effectiveness of ads, may receive or store information provided by us or by our users through mobile or web applications integrated with our products. We provide limited information to such third parties based on the scope of services provided to us. However, if these third parties or developers fail to adopt or adhere to adequate data security practices, or in the event of a breach of their networks, our data or our users' data may be improperly accessed, used, or disclosed.

We regularly experience such cyber-attacks and other security incidents of varying degrees, and we incur significant costs in protecting against or remediating such incidents. In addition, we are subject to a variety of laws and regulations in the United States and abroad relating to cybersecurity and data protection, as well as obligations under our modified consent order with the FTC. As a result, affected users or government authorities could initiate legal or regulatory actions against us in connection with any actual or perceived security breaches or improper access to or disclosure of data, which has occurred in the past and which could cause us to incur significant expense and liability or result in orders or consent decrees forcing us to modify our business practices. Such incidents or our efforts to remediate such incidents may also result in a decline in our active user base or engagement levels. Any of these events could have a material and adverse effect on our business, reputation, or financial results.

For example, in September 2018, we announced our discovery of a third-party cyber-attack that exploited a vulnerability in Facebook's code to steal user access tokens, which were then used to access certain profile information from approximately 29 million user accounts on Facebook. The events surrounding this cyber-attack became the subject of Irish Data Protection Commission and other government inquiries. Any such inquiries could subject us to substantial fines and

costs, require us to change our business practices, divert resources and the attention of management from our business, or adversely affect our business.

***Intentional misuse of our services and user data and other undesirable activity by third parties on our platform could adversely affect our business.***

We have experienced, and expect to continue to experience, intentional misuse of our services and user data by third parties, as well as other undesirable, illicit, or high-risk activity on our platform. We are making significant investments in privacy, safety, security, and content review efforts to combat these activities, including investigations and audits of platform applications, as well as other enforcement efforts. We have discovered and announced, and anticipate that we will continue to discover and announce, additional incidents of misuse of user data or other undesirable or illicit activity by third parties. We will not discover all such incidents or activity, whether as a result of our data or technical limitations, including our lack of visibility over our encrypted services, the scale of activity on our platform, the allocation of resources to other projects, or other factors, and we may be notified of such incidents or activity by the independent privacy assessor required under our modified consent order with the FTC, government authorities, the media, or other third parties.

Such incidents and activities include the use of user data or our systems in a manner inconsistent with our terms, contracts or policies, the existence of false or undesirable user accounts, election interference, improper advertising practices, activities that threaten people's safety or well-being on- or offline (such as acts of violence, terrorism, improper promotion or distribution of pharmaceuticals and illicit drugs, human exploitation, child exploitation, and illegal gaming), instances of spamming, surveillance, scraping, data harvesting, unsecured datasets, or spreading misinformation, or other fraudulent or otherwise illegal activity. We may also be unsuccessful in our efforts to enforce our policies or otherwise prevent or remediate any such incidents.

Consequences of any of the foregoing developments include negative effects on user trust and engagement, harm to our reputation and brands, changes to our business practices in a manner adverse to our business, and adverse effects on our business and financial results. Such developments have subjected, and may in the future subject, us to additional litigation and regulatory inquiries, which could subject us to monetary penalties and damages, divert management's time and attention, and lead to enhanced regulatory oversight.

***Our products and internal systems rely on software and hardware that is highly technical, and any errors, bugs, or vulnerabilities in these systems, or failures to address or mitigate technical limitations in our systems, could adversely affect our business.***

Our products and internal systems rely on software and hardware, including software and hardware developed or maintained internally and/or by third parties (including open source software and the operating systems and browsers which users rely on to run our applications and access our systems), that is highly technical and complex. In addition, our products and internal systems depend on the ability of such software and hardware to store, retrieve, process, and manage immense amounts of data. The software and hardware on which we rely has contained, and will in the future contain, errors, bugs, or vulnerabilities, and our systems are subject to certain technical limitations that may compromise our ability to meet our objectives. Some errors, bugs, or vulnerabilities inherently may be difficult to detect and may only be discovered after the code has been released for external or internal use. For example, in September 2018, we announced our discovery of a third-party cyber-attack that exploited a vulnerability in Facebook's code to steal user access tokens and access certain profile information from user accounts on Facebook. Errors, bugs, vulnerabilities, design defects, or technical limitations within the software and hardware on which we rely, or human error in using such systems, have led to, and may in the future lead to, outcomes including a negative experience or other adverse effects for users and marketers who use our products, compromised ability of our products to perform in a manner consistent with our terms, contracts, or policies, delayed product introductions or enhancements, targeting, measurement, or billing errors, compromised ability to protect the data of our users and/or our intellectual property or other data, or reductions in our ability to provide some or all of our services. For example, we make commitments to our users as to how their data will be collected, used, shared, and retained within and across our products, and our systems are subject to errors, bugs and technical limitations that may prevent us from fulfilling these commitments reliably. In addition, any errors, bugs, vulnerabilities, or defects in our systems or the software and hardware on which we rely, failures to properly address or mitigate the technical limitations in our systems, or associated degradations or interruptions of service or failures to fulfill our commitments to our users, have led to, and may in the future lead to, outcomes including damage to our reputation, loss of users, loss of marketers, loss of revenue, regulatory inquiries, litigation, or liability for fines, damages, or other remedies, any of which could adversely affect our business and financial results.

***If we are unable to protect our intellectual property, the value of our brands and other intangible assets may be diminished, and our business may be adversely affected.***

We rely and expect to continue to rely on a combination of confidentiality, assignment, and license agreements with our employees, consultants, and third parties with whom we have relationships, as well as trademark, copyright, patent, trade secret, and domain name protection laws, to protect our proprietary rights. In the United States and internationally, we have filed various applications for protection of certain aspects of our intellectual property, and we currently hold a significant number of registered trademarks and issued patents in multiple jurisdictions and have acquired patents and patent applications from third parties. Third parties may knowingly or unknowingly infringe our proprietary rights, third parties may challenge proprietary rights held by us, and pending and future trademark and patent applications may not be approved. In addition, effective intellectual property protection may not be available in every country in which we operate or intend to operate our business. In any or all of these cases, we may be required to expend significant time and expense in order to prevent infringement or to enforce our rights. Although we have generally taken measures to protect our proprietary rights, there can be no assurance that others will not offer products or concepts that are substantially similar to ours and compete with our business. In addition, we regularly contribute software source code under open source and other permissive licenses and have made other technology we developed available under such licenses, and we include open source software in our products. Additionally, our AI is trained on data sets that may include open source software and the outputs of our AI may be subject to open source license restrictions or obligations. As a result of our open source contributions and the use of open source in our products, we may license or be required to license or disclose code and/or innovations that turn out to be material to our business and may also be exposed to increased litigation risk. If the protection of our proprietary rights is inadequate to prevent unauthorized use or appropriation by third parties, the value of our brands and other intangible assets may be diminished and competitors may be able to more effectively mimic our products, services, and methods of operations. Any of these events could have an adverse effect on our business and financial results.

***We are currently, and expect to be in the future, party to patent, trademark, and copyright lawsuits and other intellectual property rights claims that are expensive and time consuming and, if resolved adversely, could have a significant impact on our business, financial condition, or results of operations.***

Companies in the internet, technology, and media industries own large numbers of patents, copyrights, trademarks, and trade secrets, and frequently enter into litigation based on allegations of infringement, misappropriation, or other violations of intellectual property or other rights. In addition, various "non-practicing entities" that own patents and other intellectual property rights often attempt to aggressively assert their rights in order to extract value from technology companies. Furthermore, from time to time we may introduce or acquire new products, including in areas where we historically have not competed, or introduce new features for existing products, which could increase our exposure to intellectual property claims from competitors, non-practicing entities, and other rights holders.

From time to time, we receive notice from patent, copyright, and trademark holders and other parties alleging that certain of our products and services, trademarks, or user content, infringe their intellectual property rights. We presently are involved in a number of intellectual property lawsuits, and as we face increasing competition and develop new products and services, we expect the number of intellectual property claims against us to grow. Defending intellectual property litigation is often costly and can impose a significant burden on management and employees, and there can be no assurances that favorable final outcomes will be obtained in all cases. In addition, plaintiffs may seek, and we may become subject to, preliminary or provisional rulings in the course of any such litigation, including potential preliminary injunctions requiring us to change or cease some or all of our operations. We may decide to settle such lawsuits and disputes on terms that are unfavorable to us. Similarly, if any litigation to which we are a party is resolved adversely, we may be subject to an unfavorable judgment that may not be reversed upon appeal. The terms of such a settlement or judgment may require us to change or cease some or all of our operations or pay substantial amounts to the other party. In addition, we may have to seek a license to continue practices found to be in violation of a third party's rights, which may not be available on reasonable terms, or at all, and may significantly increase our operating costs and expenses. As a result, we may also be required to develop alternative non-infringing technology or practices, or branding or discontinue the practices or branding. The development of alternative non-infringing technology, branding or practices could require significant effort and expense, could result in less effective technology, branding or practices or otherwise negatively affect the user experience, or may not be feasible. We have experienced unfavorable outcomes in such disputes and litigation in the past, and our business, financial condition, and results of operations could be adversely affected as a result of an unfavorable resolution of the disputes and litigation referred to above.

## Risks Related to Ownership of Our Class A Common Stock

*The trading price of our Class A common stock has been and will likely continue to be volatile.*

The trading price of our Class A common stock has been, and is likely to continue to be, volatile. Since shares of our Class A common stock were sold in our initial public offering in May 2012 at a price of \$38.00 per share, our stock price has ranged from \$17.55 to \$531.49 through June 30, 2024. In addition to the factors discussed in this Quarterly Report on Form 10-Q, the trading price of our Class A common stock has in the past fluctuated and may in the future fluctuate significantly in response to numerous factors, many of which are beyond our control, including:

- actual or anticipated fluctuations in our revenue and other operating results for either of our reportable segments;
- the financial projections we may provide to the public, any changes in these projections, or our failure to meet these projections;
- actions of securities analysts who initiate or maintain coverage of us, changes in financial estimates by any securities analysts who follow our company, or our failure to meet these estimates or the expectations of investors;
- additional shares of our stock being sold into the market by us, our existing stockholders, or in connection with acquisitions, or the anticipation of such sales;
- investor sentiment with respect to our competitors, our business partners, and our industry in general;
- announcements by us or our competitors of significant products or features, technical innovations, acquisitions, strategic partnerships, joint ventures, or capital commitments;
- announcements by us or estimates by third parties of actual or anticipated changes in the size of our user base, the level of user engagement, or the effectiveness of our ad products;
- changes in operating performance and stock market valuations of technology companies in our industry, including our developers and competitors;
- price and volume fluctuations in the overall stock market, including as a result of trends in the economy as a whole;
- the inclusion, exclusion, or deletion of our stock from any trading indices, such as the S&P 500 Index;
- media coverage of our business and financial performance;
- lawsuits threatened or filed against us, or developments in pending lawsuits;
- adverse government actions or legislative or regulatory developments relating to advertising, competition, content, privacy, or other matters, including interim or final rulings by tax, judicial, or regulatory bodies;
- trading activity in our share repurchase program; and
- other events or factors, including those resulting from war, incidents of terrorism, pandemics, and other disruptive external events, or responses to these events.

In addition, the stock markets have experienced extreme price and volume fluctuations that have affected and continue to affect the market prices of equity securities of many technology companies. We are currently subject to securities litigation in connection with our platform and user data practices and the misuse of certain data by a developer that shared such data with third parties in violation of our terms and policies; the disclosure of our earnings results for the second quarter of 2018; a former employee's allegations and release of internal company documents beginning in September 2021; and the disclosure of our earnings results for the fourth quarter of 2021. We may experience more such litigation following future periods of volatility. Any securities litigation could subject us to substantial costs, divert resources and the attention of management from our business, and adversely affect our business.

***The dual class structure of our common stock has the effect of concentrating voting control with our CEO and certain other holders of our Class B common stock; this will limit or preclude your ability to influence corporate matters.***

Our Class B common stock has ten votes per share and our Class A common stock has one vote per share. Holders of our Class B common stock, including our founder, Chairman, and CEO, together hold a majority of the combined voting power of our outstanding capital stock, and therefore are able to control the outcome of all matters submitted to our stockholders for approval so long as the shares of Class B common stock represent at least 9.1% of all outstanding shares of our Class A and Class B common stock. This concentrated control will limit or preclude your ability to influence corporate matters for the foreseeable future.

Transfers by holders of Class B common stock will generally result in those shares converting to Class A common stock, subject to limited exceptions, such as certain transfers effected for estate planning or charitable purposes. The conversion of Class B common stock to Class A common stock will have the effect, over time, of increasing the relative voting power of those holders of Class B common stock who retain their shares in the long term. If, for example, Mr. Zuckerberg retains a significant portion of his holdings of Class B common stock for an extended period of time, he could, in the future, continue to control a majority of the combined voting power of our outstanding capital stock.

***Our status as a "controlled company" could make our Class A common stock less attractive to some investors or otherwise harm our stock price.***

Because we qualify as a "controlled company" under the corporate governance rules for Nasdaq-listed companies, we are not required to have a majority of our board of directors be independent, nor are we required to have a compensation committee or an independent nominating function. In the future we could elect not to have a majority of our board of directors be independent or not to have a compensation committee or an independent nominating function. Accordingly, should the interests of our controlling stockholder differ from those of other stockholders, the other stockholders may not have the same protections afforded to stockholders of companies that are subject to all of the corporate governance rules for Nasdaq-listed companies. Our status as a controlled company could make our Class A common stock less attractive to some investors or otherwise harm our stock price.

***Delaware law and provisions in our certificate of incorporation and bylaws could make a merger, tender offer, or proxy contest difficult, thereby depressing the trading price of our Class A common stock.***

Our status as a Delaware corporation and the anti-takeover provisions of the Delaware General Corporation Law may discourage, delay, or prevent a change in control by prohibiting us from engaging in a business combination with an interested stockholder for a period of three years after the person becomes an interested stockholder, even if a change of control would be beneficial to our existing stockholders. In addition, our current certificate of incorporation and bylaws contain provisions that may make the acquisition of our company more difficult, including the following:

- until the first date on which the outstanding shares of our Class B common stock represent less than 35% of the combined voting power of our common stock, any transaction that would result in a change in control of our company requires the approval of a majority of our outstanding Class B common stock voting as a separate class;
- we currently have a dual class common stock structure, which provides Mr. Zuckerberg with the ability to control the outcome of matters requiring stockholder approval, even if he owns significantly less than a majority of the shares of our outstanding Class A and Class B common stock;
- when the outstanding shares of our Class B common stock represent less than a majority of the combined voting power of common stock, certain amendments to our certificate of incorporation or bylaws will require the approval of two-thirds of the combined vote of our then-outstanding shares of Class A and Class B common stock;
- when the outstanding shares of our Class B common stock represent less than a majority of the combined voting power of our common stock, vacancies on our board of directors will be able to be filled only by our board of directors and not by stockholders;

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- when the outstanding shares of our Class B common stock represent less than a majority of the combined voting power of our common stock, our board of directors will be classified into three classes of directors with staggered three-year terms and directors will only be able to be removed from office for cause;
- when the outstanding shares of our Class B common stock represent less than a majority of the combined voting power of our common stock, our stockholders will only be able to take action at a meeting of stockholders and not by written consent;
- only our board chair, our chief executive officer, our president, or a majority of our board of directors are authorized to call a special meeting of stockholders;
- advance notice procedures apply for stockholders to nominate candidates for election as directors or to bring matters before an annual meeting of stockholders;
- our certificate of incorporation authorizes undesignated preferred stock, the terms of which may be established, and shares of which may be issued, without stockholder approval; and
- certain litigation against us can only be brought in Delaware.

**Item 2. Unregistered Sales of Equity Securities and Use of Proceeds****a) Sales of Unregistered Securities**

None.

**c) Issuer Purchases of Equity Securities**

The following table summarizes the share repurchase activity for the three months ended June 30, 2024:

	<b>Total Number of Shares Purchased</b>	<b>Average Price Paid per Share <sup>(2)</sup></b>	<b>Total Number of Shares Purchased as Part of Publicly Announced Programs <sup>(1)</sup></b>	<b>Approximate Dollar Value of Shares that May Yet Be Purchased Under the Programs <sup>(1)</sup></b>
	<b>(in thousands)</b>		<b>(in thousands)</b>	<b>(in millions)</b>
April 1 - 30, 2024	2,045	\$ 440.00	2,045	\$ 65,495
May 1 - 31, 2024	10,818	\$ 464.31	10,818	\$ 60,472
June 1 - 30, 2024	793	\$ 474.40	793	\$ 60,096
Total	<u>13,656</u>		<u>13,656</u>	

(1) On November 18, 2016, we announced that our board of directors had authorized a share repurchase program of our Class A common stock, which commenced in January 2017 and does not have an expiration date. In January 2024, an additional \$50 billion of repurchases was authorized under this program. The timing and actual number of shares repurchased depend on a variety of factors, including price, general business and market conditions, and other investment opportunities, and shares may be repurchased through open market purchases or privately negotiated transactions, including through the use of trading plans intended to qualify under Rule 10b5-1 under the Exchange Act. See Note 13 — Stockholders' Equity in Part I, Item 1 of this Quarterly Report on Form 10-Q for additional information related to share repurchases.

(2) Average price paid per share includes costs associated with the repurchases but excludes the 1% excise tax accrued on our share repurchases as a result of the Inflation Reduction Act of 2022.

## **Item 5. Other Information**

### **Rule 10b5-1 Trading Plans**

During the quarter ended June 30, 2024, the officers and directors listed below adopted, modified, or terminated trading plans intended to satisfy the affirmative defense conditions of Rule 10b5-1(c) under the Securities Exchange Act of 1934, as amended. References to "net shares received" below refer to net shares received by an officer after excluding any shares withheld by us to satisfy our income tax withholding and remittance obligations in connection with the net settlement of equity awards.

On April 26, 2024, Peggy Alford, a member of our board of directors, entered into a trading plan that provides for the sale of an aggregate of up to \$1.5 million worth of shares of our Class A common stock. The plan will terminate on January 27, 2025, subject to early termination for certain specified events set forth in the plan.

On April 26, 2024, Christopher K. Cox, our Chief Product Officer, entered into a trading plan that provides for the sale of an aggregate of 30,000 shares of our Class A common stock. The plan will terminate on July 25, 2025, subject to early termination for certain specified events set forth in the plan.

On May 12, 2024, Nick Clegg, our President, Global Affairs, entered into a trading plan that provides for the sale of an aggregate of 7,528 shares of our Class A common stock and all of the net shares received during the duration of the plan pursuant to Mr. Clegg's outstanding equity awards and any future equity grants. The plan will terminate on May 16, 2025, subject to early termination for certain specified events set forth in the plan.

On May 28, 2024, Susan Li, our Chief Financial Officer, terminated her previously reported trading plan adopted on May 13, 2023 (Previous Plan). As of the termination of the Previous Plan, 75,311 shares of our Class A common stock had been sold under the plan. The adoption and subsequent termination of the Previous Plan each occurred during an open company trading window and in accordance with the company's policies. On May 28, 2024, Ms. Li entered into a new trading plan that provides for the sale of an aggregate of 14,376 shares of our Class A common stock and all of the net shares received during the duration of the plan pursuant to Ms. Li and her spouse's outstanding equity awards and any future equity award grants. The plan will terminate on November 25, 2024, subject to early termination for certain specified events set forth in the plan.



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**Item 6. Exhibits**

Exhibit Number	Exhibit Description	Incorporated by Reference				Filed Herewith
		Form	File No.	Exhibit	Filing Date	
3.1	<a href="#">Amended and Restated Certificate of Incorporation (including all amendments thereto).</a>					X
10.1+	<a href="#">Fourth Amendment to the 2012 Equity Incentive Plan.</a>					X
31.1	<a href="#">Certification of Mark Zuckerberg, Chief Executive Officer, pursuant to Rule 13a-14(a)/15d-14(a), as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.</a>					X
31.2	<a href="#">Certification of Susan Li, Chief Financial Officer, pursuant to Rule 13a-14(a)/15d-14(a), as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.</a>					X
32.1#	<a href="#">Certification of Mark Zuckerberg, Chief Executive Officer, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.</a>					X
32.2#	<a href="#">Certification of Susan Li, Chief Financial Officer, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.</a>					X
101.INS	Inline XBRL Instance Document (the instance document does not appear in the Interactive Data File because its XBRL tags are embedded within the Inline XBRL document).					X
101.SCH	Inline XBRL Taxonomy Extension Schema Document.					X
101.CAL	Inline XBRL Taxonomy Extension Calculation Linkbase Document.					X
101.DEF	Inline XBRL Taxonomy Extension Definition Linkbase Document.					X
101.LAB	Inline XBRL Taxonomy Extension Labels Linkbase Document.					X
101.PRE	Inline XBRL Taxonomy Extension Presentation Linkbase Document.					X
104	Cover Page Interactive Data File (formatted as inline XBRL and contained in Exhibit 101).					X

+ Indicates a management contract or compensatory plan.

# This certification is deemed not filed for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (Exchange Act), or otherwise subject to the liability of that section, nor shall it be deemed incorporated by reference into any filing under the Securities Act of 1933, as amended, or the Exchange Act.

**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this Quarterly Report on Form 10-Q to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Menlo Park, State of California, on this 31st day of July 2024.

Date: July 31, 2024

**META PLATFORMS, INC.**

/s/ SUSAN LI

Susan Li  
Chief Financial Officer  
*(Principal Financial Officer)*

Date: July 31, 2024

/s/ AARON ANDERSON

Aaron Anderson  
Chief Accounting Officer  
*(Principal Accounting Officer)*

**Facebook, Inc.**

**AMENDED & RESTATED CERTIFICATE OF INCORPORATION**

Facebook, Inc., a Delaware corporation, hereby certifies as follows.

1. The name of the corporation is Facebook, Inc. The date of filing its original Certificate of Incorporation with the Secretary of State was July 29, 2004, under the name TheFacebook, Inc.

2. The Amended & Restated Certificate of Incorporation of the corporation attached hereto as Exhibit A, which is incorporated herein by this reference, and which restates, integrates and further amends provisions of the Certificate of Incorporation of this corporation as heretofore amended and/or restated, has been duly adopted by the corporation's Board of Directors and by the stockholders in accordance with Sections 242 and 245 of the General Corporation Law of the State of Delaware.

3. The Amended & Restated Certificate of Incorporation shall be effective on the date of filing with the Secretary of State of Delaware.

4. The text of the Restated Certificate of Incorporation is hereby amended and restated in its entirety to read as Exhibit A hereto.

IN WITNESS WHEREOF, this corporation has caused this Amended & Restated Certificate of Incorporation to be signed by its duly authorized officer and the foregoing facts stated herein are true and correct.

FACEBOOK, INC.

Date: October 28, 2021

By: /s/ Mark Zuckerberg  
Name: Mark Zuckerberg  
Title: Chief Executive Officer

**EXHIBIT A**

**META PLATFORMS, INC.**

**AMENDED & RESTATED CERTIFICATE OF INCORPORATION**

**ARTICLE I: NAME**

The name of the corporation is Meta Platforms, Inc.

**ARTICLE II: AGENT FOR SERVICE OF PROCESS**

The address of the corporation's registered office in the State of Delaware is 251 Little Falls Drive, Wilmington, New Castle County, 19808. The name of the registered agent of the corporation at that address is Corporation Service Company.

**ARTICLE III: PURPOSE**

The purpose of the corporation is to engage in any lawful act or activity for which corporations may be organized under the General Corporation Law of the State of Delaware ("**General Corporation Law**").

**ARTICLE IV: AUTHORIZED STOCK**

**1. Total Authorized.**

The total number of shares of all classes of capital stock that the corporation has authority to issue is 9,241,000,000 shares, consisting of: 5,000,000,000 shares of Class A Common Stock, \$0.000006 par value per share ("**Class A Common Stock**"), 4,141,000,000 shares of Class B Common Stock, \$0.000006 par value per share ("**Class B Common Stock**" and together with the Class A Common Stock, the "**Common Stock**") and 100,000,000 shares of Preferred Stock, \$0.000006 par value per share. The number of authorized shares of Class A Common Stock or Class B Common Stock may be increased or decreased (but not below the number of shares thereof then outstanding) by the affirmative vote of the holders of capital stock representing a majority of the voting power of all the then-outstanding shares of capital stock of the corporation entitled to vote thereon, irrespective of the provisions of Section 242(b)(2) of the General Corporation Law.

**2. Designation of Additional Shares**

2.1. The Board of Directors is authorized, subject to any limitations prescribed by the laws of the State of Delaware, by resolution or resolutions, to provide for the issuance of the shares of Preferred Stock in one or more series, and, by filing a certificate of designation pursuant to the applicable law of the State of Delaware ("**Certificate of Designation**"), to establish from time to time the number of shares to be included in each such series, to fix the designation, powers (including voting powers), preferences and relative, participating, optional or other rights,

if any, of the shares of each such series and any qualifications, limitations or restrictions thereof, and to increase (but not above the total number of authorized shares of such class) or decrease (but not below the number of shares of such series then outstanding) the number of shares of any such series. The number of authorized shares of Preferred Stock may also be increased or decreased (but not below the number of shares thereof then outstanding) by the affirmative vote of the holders of a majority of the voting power of all the then-outstanding shares of capital stock of the corporation entitled to vote thereon, without a separate vote of the holders of the Preferred Stock or any series thereof, irrespective of the provisions of Section 242(b)(2) of the General Corporation Law, unless a vote of any such holders is required pursuant to the terms of any Certificate of Designation designating a series of Preferred Stock.

2.2. Except as otherwise expressly provided in any Certificate of Designation designating any series of Preferred Stock pursuant to the foregoing provisions of this ARTICLE IV, any new series of Preferred Stock may be designated, fixed and determined as provided herein by the Board of Directors without approval of the holders of Common Stock or the holders of Preferred Stock, or any series thereof, and any such new series may have powers, preferences and rights, including, without limitation, voting powers, dividend rights, liquidation rights, redemption rights and conversion rights, senior to, junior to or pari passu with the rights of the Common Stock, the Preferred Stock, or any future class or series of Preferred Stock or Common Stock.

### **3. Rights of Class A Common Stock and Class B Common Stock.**

3.1. Equal Status. Except as otherwise provided in this Restated Certificate of Incorporation or required by applicable law, shares of Class A Common Stock and Class B Common Stock shall have the same rights and powers, rank equally (including as to dividends and distributions, and upon any liquidation, dissolution or winding up of the corporation), share ratably and be identical in all respects and as to all matters.

3.2. Voting Rights. Except as otherwise expressly provided by this Restated Certificate of Incorporation or as provided by law, the holders of shares of Class A Common Stock and Class B Common Stock shall (a) at all times vote together as a single class on all matters (including the election of directors) submitted to a vote or for the consent (if action by written consent of the stockholders is permitted at such time under this Restated Certificate of Incorporation) of the stockholders of the corporation, (b) be entitled to notice of any stockholders' meeting in accordance with the Bylaws of the corporation and (c) be entitled to vote upon such matters and in such manner as may be provided by applicable law. Except as otherwise expressly provided herein or required by applicable law, each holder of Class A Common Stock shall have the right to one (1) vote per share of Class A Common Stock held of record by such holder and each holder of Class B Common Stock shall have the right to ten (10) votes per share of Class B Common Stock held of record by such holder.

3.3. Dividend and Distribution Rights. Shares of Class A Common Stock and Class B Common Stock shall be treated equally, identically and ratably, on a per share basis, with respect to any dividends or distributions as may be declared and paid from time to time by the Board of Directors out of any assets of the corporation legally available therefor; provided, however, that in the event a dividend is paid in the form of shares of Class A Common Stock or Class B Common Stock (or rights to acquire such shares), then holders of Class A Common Stock

shall receive shares of Class A Common Stock (or rights to acquire such shares, as the case may be) and holders of Class B Common Stock shall receive shares of Class B Common Stock (or rights to acquire such shares, as the case may be), with holders of shares of Class A Common Stock and Class B Common Stock receiving, on a per share basis, an identical number of shares of Class A Common Stock or Class B Common Stock, as applicable. Notwithstanding the foregoing, the Board of Directors may pay or make a disparate dividend or distribution per share of Class A Common Stock or Class B Common Stock (whether in the amount of such dividend or distribution payable per share, the form in which such dividend or distribution is payable, the timing of the payment, or otherwise) if such disparate dividend or distribution is approved in advance by the affirmative vote (or written consent if action by written consent of stockholders is permitted at such time under this Restated Certificate of Incorporation) of the holders of a majority of the outstanding shares of Class A Common Stock and Class B Common Stock, each voting separately as a class.

3.4. Subdivisions, Combinations or Reclassifications. Shares of Class A Common Stock or Class B Common Stock may not be subdivided, combined or reclassified unless the shares of the other class are concurrently therewith proportionately subdivided, combined or reclassified in a manner that maintains the same proportionate equity ownership between the holders of the outstanding Class A Common Stock and Class B Common Stock on the record date for such subdivision, combination or reclassification; provided, however, that shares of one such class may be subdivided, combined or reclassified in a different or disproportionate manner if such subdivision, combination or reclassification is approved in advance by the affirmative vote (or written consent if action by written consent of stockholders is permitted at such time under this Restated Certificate of Incorporation) of the holders of a majority of the outstanding shares of Class A Common Stock and Class B Common Stock, each voting separately as a class.

3.5. Liquidation, Dissolution or Winding Up. Subject to the preferential or other rights of any holders of Preferred Stock then outstanding, upon the dissolution, liquidation or winding up of the corporation, whether voluntary or involuntary, holders of Class A Common Stock and Class B Common Stock will be entitled to receive ratably all assets of the corporation available for distribution to its stockholders unless disparate or different treatment of the shares of each such class with respect to distributions upon any such liquidation, dissolution or winding up is approved in advance by the affirmative vote (or written consent if action by written consent of stockholders is permitted at such time under this Restated Certificate of Incorporation) of the holders of a majority of the outstanding shares of Class A Common Stock and Class B Common Stock, each voting separately as a class.

3.6. Merger or Consolidation. In the case of any distribution or payment in respect of the shares of Class A Common Stock or Class B Common Stock upon the consolidation or merger of the Corporation with or into any other entity, or in the case of any other transaction having an effect on stockholders substantially similar to that resulting from a consolidation or merger, such distribution or payment shall be made ratably on a per share basis among the holders of the Class A Common Stock and Class B Common Stock as a single class; provided, however, that shares of one such class may receive different or disproportionate distributions or payments in connection with such merger, consolidation or other transaction if (i) the only difference in the per share distribution to the holders of the Class A Common Stock and Class B Common Stock is that any securities distributed to the holder of a share Class B Common Stock have ten times the

voting power of any securities distributed to the holder of a share of Class A Common Stock, or (ii) such merger, consolidation or other transaction is approved by the affirmative vote (or written consent if action by written consent of stockholders is permitted at such time under this Restated Certificate of Incorporation) of the holders of a majority of the outstanding shares of Class A Common Stock and Class B Common Stock, each voting separately as a class.

3.7. Change of Control Class B Vote. Until the first date on which the outstanding shares of Class B Common Stock represent less than thirty-five percent (35%) of the total voting power of the then outstanding shares of the corporation then entitled to vote generally in the election of directors, the corporation shall not consummate a Change in Control Transaction (as defined in Section 4 of this ARTICLE IV) without first obtaining the affirmative vote (or written consent if action by written consent of stockholders is permitted at such time under this Restated Certificate of Incorporation) of the holders of a majority of the then outstanding shares of Class B Common Stock, voting as a separate class, in addition to any other vote required by applicable law, this Restated Certificate of Incorporation or the Bylaws.

3.8. Conversion of Class B Common Stock.

(a) Voluntary Conversion. Each share of Class B Common Stock shall be convertible into one (1) fully paid and nonassessable share of Class A Common Stock at the option of the holder thereof at any time upon written notice to the corporation. Before any holder of Class B Common Stock shall be entitled to voluntarily convert any shares of such Class B Common Stock, such holder shall surrender the certificate or certificates therefor (if any), duly endorsed, at the principal corporate office of the corporation or of any transfer agent for the Class B Common Stock, and shall give written notice to the corporation at its principal corporate office, of the election to convert the same and shall state therein the name or names (i) in which the certificate or certificates representing the shares of Class A Common Stock into which the shares of Class B Common Stock are so converted are to be issued if such shares are certificated or (ii) in which such shares are to be registered in book entry if such shares are uncertificated. The corporation shall, as soon as practicable thereafter, issue and deliver at such office to such holder of Class B Common Stock, or to the nominee or nominees of such holder, a certificate or certificates representing the number of shares of Class A Common Stock to which such holder shall be entitled as aforesaid (if such shares are certificated) or, if such shares are uncertificated, register such shares in book-entry form. Such conversion shall be deemed to have been made immediately prior to the close of business on the date of such surrender of the shares of Class B Common Stock to be converted following or contemporaneously with the written notice of such holder's election to convert required by this Section 3.8(a), and the person or persons entitled to receive the shares of Class A Common Stock issuable upon such conversion shall be treated for all purposes as the record holder or holders of such shares of Class A Common Stock as of such date. Each share of Class B Common Stock that is converted pursuant to this Section 3.8(a) shall be retired by the corporation and shall not be available for reissuance.

(b) Automatic Conversion. (i) Each share of Class B Common Stock shall be automatically, without further action by the holder thereof, converted into one (1) fully paid and nonassessable share of Class A Common Stock, upon the occurrence of a Transfer (as defined in Section 4 of this ARTICLE IV), other than a Permitted Transfer (as defined in Section 4 of this ARTICLE IV), of such share of Class B Common Stock and (ii) all shares of Class B

Common Stock shall be automatically, without further action by any holder thereof, converted into an identical number of shares of Class A Common Stock at such date and time, or the occurrence of an event, specified by the affirmative vote (or written consent if action by written consent of stockholders is permitted at such time under this Restated Certificate of Incorporation) of the holders of a majority of the then outstanding shares Class B Common Stock, voting as a separate class (the occurrence of an event described in clause (i) or (ii) of this Section 3.8(b), a “**Conversion Event**”). Each outstanding stock certificate that, immediately prior to a Conversion Event, represented one or more shares of Class B Common Stock subject to such Conversion Event shall, upon such Conversion Event, be deemed to represent an equal number of shares of Class A Common Stock, without the need for surrender or exchange thereof. The corporation shall, upon the request of any holder whose shares of Class B Common Stock have been converted into shares of Class A Common Stock as a result of a Conversion Event and upon surrender by such holder to the corporation of the outstanding certificate(s) formerly representing such holder’s shares of Class B Common Stock (if any), issue and deliver to such holder certificate(s) representing the shares of Class A Common Stock into which such holder’s shares of Class B Common Stock were converted as a result of such Conversion Event (if such shares are certificated) or, if such shares are uncertificated, register such shares in book-entry form. Each share of Class B Common Stock that is converted pursuant to this Section 3.8(b) of ARTICLE IV shall thereupon be retired by the corporation and shall not be available for reissuance.

(c) The corporation may, from time to time, establish such policies and procedures, not in violation of applicable law or the other provisions of this Restated Certificate, relating to the conversion of the Class B Common Stock into Class A Common Stock, as it may deem necessary or advisable in connection therewith. If the corporation has reason to believe that a Transfer giving rise to a conversion of shares of Class B Common Stock into Class A Common Stock has occurred but has not theretofore been reflected on the books of the corporation, the corporation may request that the holder of such shares furnish affidavits or other evidence to the corporation as the corporation deems necessary to determine whether a conversion of shares of Class B Common Stock to Class A Common Stock has occurred, and if such holder does not within ten (10) days after the date of such request furnish sufficient evidence to the corporation (in the manner provided in the request) to enable the corporation to determine that no such conversion has occurred, any such shares of Class B Common Stock, to the extent not previously converted, shall be automatically converted into shares of Class A Common Stock and the same shall thereupon be registered on the books and records of the corporation. In connection with any action of stockholders taken at a meeting or by written consent (if action by written consent of stockholders is permitted at such time under this Restated Certificate of Incorporation), the stock ledger of the corporation shall be presumptive evidence as to who are the stockholders entitled to vote in person or by proxy at any meeting of stockholders or in connection with any such written consent and the class or classes or series of shares held by each such stockholder and the number of shares of each class or classes or series held by such stockholder.

3.9. Reservation of Stock. The corporation shall at all times reserve and keep available out of its authorized but unissued shares of Class A Common Stock, solely for the purpose of effecting the conversion of the shares of Class B Common Stock, such number of shares of Class A Common Stock as shall from time to time be sufficient to effect the conversion of all outstanding shares of Class B Common Stock into shares of Class A Common Stock.



3.10. Protective Provision. The corporation shall not, whether by merger, consolidation or otherwise, amend, alter, repeal or waive Sections 3 or 4 of this Article IV (or adopt any provision inconsistent therewith), without first obtaining the affirmative vote (or written consent if action by written consent of stockholders is permitted at such time under this Restated Certificate of Incorporation) of the holders of a majority of the then outstanding shares of Class B Common Stock, voting as a separate class, in addition to any other vote required by applicable law, this Restated Certificate of Incorporation or the Bylaws.

4. **Definitions**. For purposes of this Restated Certificate of Incorporation:

4.1. "Change in Control Transaction" means the occurrence of any of the following events:

(a) the sale, lease, exchange, encumbrance or other disposition (other than licenses that do not constitute an effective disposition of all or substantially all of the assets of the corporation and its subsidiaries taken as a whole, and the grant of security interests in the ordinary course of business) by the corporation of all or substantially all of the corporation's assets; or

(b) the merger or consolidation of the corporation with or into any other entity, other than a merger or consolidation that would result in the Class B Common Stock of the corporation outstanding immediately prior thereto continuing to represent (either by remaining outstanding or by being converted into voting securities of the surviving entity or its sole parent entity) more than fifty percent (50%) of the total voting power represented by the voting securities of the corporation or such surviving entity or its sole parent entity outstanding immediately after such merger or consolidation.

4.2. "Charitable Trust" means a trust that is exempt from taxation under Section 501(c)(3) of the United States Internal Revenue Code of 1986, as amended (or any successor provision thereto) (whether a determination letter with respect to such exemption is issued before, at or after the Covered Security Date), and further includes any successor entity that is exempt from taxation under Section 501(c)(3) (or any successor provision thereto) upon a conversion of, or transfer of all or substantially all of the assets of, a Charitable Trust to such successor entity (whether a determination letter with respect to such successor's exemption is issued before, at or after the conversion date).

4.3. "Covered Security Date" means May 14, 2012.

4.4. "Family Member" shall mean with respect to any natural person who is a Qualified Stockholder, the spouse, parents, grandparents, lineal descendants, siblings and lineal descendants of siblings of such Qualified Stockholder. Lineal descendants shall include adopted persons, but only so long as they are adopted during minority.

4.5. "Qualified Stockholder" shall mean (a) the registered holder of a share of Class B Common Stock as of the Covered Security Date; (b) the initial registered holder of any shares of Class B Common Stock that are originally issued by the corporation after the Covered Security Date pursuant to the exercise or conversion of options or warrants or settlement of restricted stock units (RSUs) that, in each case, are outstanding as of the Covered Security Date;

(c) each natural person who Transferred shares of or equity awards for Class B Common Stock (including any option or warrant exercisable or convertible into or any RSU that can be settled in shares of Class B Common Stock) to a Permitted Entity that is or becomes a Qualified Stockholder pursuant to subclauses (a) or (b) of this Section 4.5; and (d) a Permitted Transferee.

4.6. “Parent” of an entity shall mean any entity that directly or indirectly owns or controls a majority of the voting power of the voting securities of such entity.

4.7. “Permitted Entity” shall mean with respect to a Qualified Stockholder (a) a Permitted Trust solely for the benefit of (i) such Qualified Stockholder, (ii) one or more Family Members of such Qualified Stockholder, (iii) any other Permitted Entity of such Qualified Stockholder and/or (iv) any entity that is described in Sections 501(c)(3), 170(b)(1)(A), 170(c), 2055(a) or 2522(a) of the United States Internal Revenue Code of 1986, as amended (or any successor provision thereto), (b) any general partnership, limited partnership, limited liability company, corporation or other entity exclusively owned by (i) such Qualified Stockholder, (ii) one or more Family Members of such Qualified Stockholder and/or (iii) any other Permitted Entity of such Qualified Stockholder, (c) any Charitable Trust created by a Qualified Stockholder, which Charitable Trust was (x) validly created and (y) a registered holder of shares of capital stock of the corporation, in each case prior to the Covered Security Date (whether or not it continuously holds such shares of capital stock or any other shares of capital stock of the corporation at all times before or after the Covered Security Date), (d) the personal representative of the estate of a Qualified Stockholder upon the death of such Qualified Stockholder solely to the extent the executor is acting in the capacity as personal representative of such estate, (e) a revocable living trust, which revocable living trust is itself both a Permitted Trust and a Qualified Stockholder, during the lifetime of the natural person grantor of such trust, or (f) a revocable living trust, which revocable living trust is itself both a Permitted Trust and a Qualified Stockholder, following the death of the natural person grantor of such trust, solely to the extent that such shares are held in such trust pending distribution to the beneficiaries designated in such trust. Except as explicitly provided for herein, a Permitted Entity of a Qualified Stockholder shall not cease to be a Permitted Entity of that Qualified Stockholder solely by reason of the death of that Qualified Stockholder.

4.8. “Permitted Transfer” shall mean, and be restricted to, any Transfer of a share of Class B Common Stock:

(a) by a Qualified Stockholder (or the estate of a deceased Qualified Stockholder) to (i) one or more Family Members of such Qualified Stockholder, or (ii) any Permitted Entity of such Qualified Stockholder; or (iii) to such Qualified Stockholder’s revocable living trust, which revocable living trust is itself both a Permitted Trust and a Qualified Stockholder;

(b) by a Permitted Entity of a Qualified Stockholder to (i) such Qualified Stockholder or one or more Family Members of such Qualified Stockholder, or (ii) any other Permitted Entity of such Qualified Stockholder; or

(c) by a Qualified Stockholder that is a natural person or revocable living trust to an entity that is exempt from taxation under Section 501(c)(3) of the United States Internal Revenue Code of 1986, as amended (or any successor provision thereto) (a “501(c)(3)”).

Organization) or an entity that is exempt from taxation under Section 501(c)(3) and described in Section 509(a)(3) of United States Internal Revenue Code of 1986, as amended (or any successor provision thereto) (a Supporting Organization), as well as any Transfer by a 501(c)(3) Organization to a Supporting Organization of which such 501(c)(3) Organization (x) is a supported organization (within the meaning of Section 509(f)(3) of the United States Internal Revenue Code of 1986, as amended (or any successor provision thereto)), and (y) has the power to appoint a majority of the board of directors, provided that such 501(c)(3) Organization or such Supporting Organization irrevocably elects, no later than the time such share of Class B Common Stock is Transferred to it, that such share of Class B Common Stock shall automatically be converted into Class A Common Stock upon the death of such Qualified Stockholder or the natural person grantor of such Qualified Stockholder.

4.9. Permitted Transferee shall mean a transferee of shares of Class B Common Stock received in a Transfer that constitutes a Permitted Transfer.

4.10. Permitted Trust shall mean a bona fide trust where each trustee is (a) a Qualified Stockholder, (b) a Family Member of a Qualified Stockholder, (c) a professional in the business of providing trustee services, including private professional fiduciaries, trust companies and bank trust departments, or (d) solely in the case of any such trust established by a natural person grantor prior to the Covered Security Date, any other bona fide trustee.

4.11. Transfer of a share of Class B Common Stock shall mean, directly or indirectly, any sale, assignment, transfer, conveyance, hypothecation or other transfer or disposition of such share or any legal or beneficial interest in such share, whether or not for value and whether voluntary or involuntary or by operation of law (including by merger, consolidation or otherwise), including, without limitation, a transfer of a share of Class B Common Stock to a broker or other nominee (regardless of whether there is a corresponding change in beneficial ownership), or the transfer of, or entering into a binding agreement with respect to, Voting Control (as defined below) over such share by proxy or otherwise. A Transfer shall also be deemed to have occurred with respect to a share of Class B Common Stock beneficially held by (i) an entity that is a Permitted Entity, if there occurs any act or circumstance that causes such entity to no longer be a Permitted Entity or (ii) an entity that is a Qualified Stockholder, if there occurs a Transfer on a cumulative basis, from and after the Covered Security Date, of a majority of the voting power of the voting securities of such entity or any direct or indirect Parent of such entity, other than a Transfer to parties that are, as of the Covered Security Date, holders of voting securities of any such entity or Parent of such entity. Notwithstanding the foregoing, the following shall not be considered a Transfer within the meaning of this ARTICLE IV:

(a) the granting of a revocable proxy to officers or directors of the corporation at the request of the Board of Directors in connection with actions to be taken at an annual or special meeting of stockholders or in connection with any action by written consent of the stockholders solicited by the Board of Directors (if action by written consent of stockholders is permitted at such time under this Restated Certificate of Incorporation);

(b) entering into a voting trust, agreement or arrangement (with or without granting a proxy) solely with stockholders who are holders of Class B Common Stock, which voting trust, agreement or arrangement (i) is disclosed either in a Schedule 13D filed with

the Securities and Exchange Commission or in writing to the Secretary of the corporation, (ii) either has a term not exceeding one (1) year or is terminable by the holder of the shares subject thereto at any time and (iii) does not involve any payment of cash, securities, property or other consideration to the holder of the shares subject thereto other than the mutual promise to vote shares in a designated manner;

(c) the pledge of shares of Class B Common Stock by a stockholder that creates a mere security interest in such shares pursuant to a bona fide loan or indebtedness transaction for so long as such stockholder continues to exercise Voting Control over such pledged shares; provided, however, that a foreclosure on such shares or other similar action by the pledgee shall constitute a "Transfer" unless such foreclosure or similar action qualifies as a "Permitted Transfer" at such time; or

(d) any change in the trustees or the person(s) and/or entity(ies) having or exercising Voting Control over shares of Class B Common Stock (i) of a Charitable Trust that qualifies as a Permitted Entity pursuant to ARTICLE IV, Section 4.7 above, or (ii) of a Permitted Entity provided that following such change such Permitted Entity continues to be a Permitted Entity pursuant to ARTICLE IV, Section 4.7 above.

4.12. "Voting Control" shall mean, with respect to a share of Class B Common Stock, the power (whether exclusive or shared) to vote or direct the voting of such share by proxy, voting agreement or otherwise.

4.13. "Voting Threshold Date" shall mean 5:00 p.m. (Eastern Time) on the first day falling on or after the date on which the outstanding shares of Class B Common Stock represent less than a majority of the total voting power of the then outstanding shares of the corporation then entitled to vote generally in the election of directors.

#### ARTICLE V: AMENDMENT OF BYLAWS

The Board of Directors of the corporation shall have the power to adopt, amend or repeal the Bylaws of the corporation. Any adoption, amendment or repeal of the Bylaws of the corporation by the Board of Directors shall require the approval of a majority of the Whole Board. For purposes of this Restated Certificate of Incorporation, the term "**Whole Board**" shall mean the total number of authorized directors whether or not there exist any vacancies in previously authorized directorships. The stockholders shall also have power to adopt, amend or repeal the Bylaws of the corporation. Prior to the Voting Threshold Date, in addition to any vote of the holders of any class or series of stock of the corporation required by applicable law or by this Restated Certificate of Incorporation (including any Preferred Stock issued pursuant to a Certificate of Designation), such adoption, amendment or repeal of the Bylaws of the corporation by the stockholders shall require the affirmative vote of a majority in voting power of all of the then outstanding shares of capital stock of the corporation entitled to vote generally in the election of directors, voting together as a single class. From and after the Voting Threshold Date, in addition to any vote of the holders of any class or series of stock of the corporation required by applicable law or by this Restated Certificate of Incorporation (including any Preferred Stock issued pursuant to a Certificate of Designation), such adoption, amendment or repeal of the Bylaws of the corporation by the stockholders shall require the affirmative vote of the holders of at least

two-thirds of the voting power of all of the then-outstanding shares of the capital stock of the corporation entitled to vote generally in the election of directors, voting together as a single class.

#### ARTICLE VI: MATTERS RELATING TO THE BOARD OF DIRECTORS

1. **Director Powers.** The business and affairs of the corporation shall be managed by or under the direction of the Board of Directors. In addition to the powers and authority expressly conferred upon them by statute or by this Restated Certificate of Incorporation or the Bylaws of the corporation, the directors are hereby empowered to exercise all such powers and do all such acts and things as may be exercised or done by the corporation.

2. **Number of Directors.** Subject to the rights of the holders of any series of Preferred Stock to elect additional directors under specified circumstances, the number of directors shall be fixed from time to time exclusively by resolution adopted by a majority of the Whole Board.

3. **Classified Board.** Subject to the rights of the holders of any series of Preferred Stock to elect additional directors under specified circumstances, immediately following the Voting Threshold Date, the directors shall be divided, with respect to the time for which they severally hold office, into three classes designated as Class I, Class II and Class III, respectively (the "**Classified Board**"). The Board of Directors may assign members of the Board of Directors in office immediately prior to the Classified Board becoming effective to the several classes of the Classified Board, which assignments shall become effective at the same time the Classified Board becomes effective. Directors shall be assigned to each class in accordance with a resolution or resolutions adopted by a majority of the Board of Directors, with the number of directors in each class to be divided as nearly equal as reasonably possible. The initial term of office of the Class I directors shall expire at the corporation's first annual meeting of stockholders following the date on which the Classified Board becomes effective, the initial term of office of the Class II directors shall expire at the corporation's second annual meeting of stockholders following the date on which the Classified Board becomes effective, and the initial term of office of the Class III directors shall expire at the corporation's third annual meeting of stockholders following the date on which the Classified Board becomes effective. At each annual meeting of stockholders following the date on which the Classified Board becomes effective, directors elected to succeed those directors of the class whose terms then expire shall be elected for a term of office to expire at the third succeeding annual meeting of stockholders after their election.

#### 4. **Term and Removal.**

(a) Each director shall hold office until such director's successor is elected and qualified, or until such director's earlier death, resignation or removal. Any director may resign at any time upon notice to the corporation given in writing or by any electronic transmission permitted in the corporation's Bylaws or in accordance with applicable law. No decrease in the number of directors constituting the Whole Board shall shorten the term of any incumbent director.

(b) Notwithstanding anything in this Section 4 of this ARTICLE VI to the contrary, subject to the rights of the holders of any series of Preferred Stock with respect to directors elected thereby, from and after the effectiveness of the Classified Board, no director

may be removed except for cause and only by the affirmative vote of the holders of at least a majority of the voting power of the then-outstanding shares of capital stock of the corporation then entitled to vote at an election of directors voting together as a single class.

(c) For so long as the Federal Trade Commission's Order Modifying Prior Decision and Order in Docket No. C-4365, dated as of April 27, 2020 (the "**Order**"), remains in effect, (i) no director serving on the Independent Privacy Committee, as that term is defined in the Order (any such director, a "**Privacy Committee Delegate**"), shall be removed solely for reasons related to actions taken in good faith in furtherance of such Privacy Committee Delegate's duties as a member of the Independent Privacy Committee as set forth in the Order (a "**Privacy Reason**"), except by the affirmative vote of the holders of at least two-thirds of the voting power of the then-outstanding shares of the capital stock of the corporation entitled to vote generally in the election of directors, voting together as a single class, and (ii) no Privacy Committee Delegate shall be removed for reasons other than a Privacy Reason with the intent to circumvent the requirements of clause (i) above, except by the affirmative vote of the holders of at least two-thirds of the voting power of the then-outstanding shares of the capital stock of the corporation entitled to vote generally in the election of directors, voting together as a single class.

**5. Board Vacancies.** Subject to the rights of the holders of any series of Preferred Stock to elect directors under specified circumstances, from and after the effectiveness of the Classified Board, any vacancy occurring in the Board of Directors for any cause, and any newly created directorship resulting from any increase in the authorized number of directors, shall (unless (a) the Board of Directors determines by resolution that any such vacancy or newly created directorship shall be filled by the stockholders or (b) otherwise required by applicable law) be filled only by the affirmative vote of a majority of the directors then in office, even if less than a quorum, or by a sole remaining director, and not by the stockholders. Any director elected in accordance with the preceding sentence shall hold office for a term expiring at the annual meeting of stockholders at which the term of office of the class to which the director has been elected expires or until such director's successor shall have been duly elected and qualified.

**6. Vote by Ballot.** Election of directors need not be by written ballot.

#### **ARTICLE VII: DIRECTOR LIABILITY; INDEMNIFICATION**

**1. Limitation of Liability.** To the fullest extent permitted by law, no director of the corporation shall be personally liable to the corporation or its stockholders for monetary damages for breach of fiduciary duty as a director. Without limiting the effect of the preceding sentence, if the General Corporation Law is hereafter amended to authorize the further elimination or limitation of the liability of a director, then the liability of a director of the corporation shall be eliminated or limited to the fullest extent permitted by the General Corporation Law, as so amended.

**2. Indemnification.** The corporation shall indemnify to the fullest extent permitted by law any person made or threatened to be made a party to an action or proceeding, whether criminal, civil, administrative or investigative, by reason of the fact that he, his testator or intestate is or was a director or officer of the corporation or any predecessor of the Corporation, or serves or served at any other enterprise as a director or officer at the request of the corporation or any predecessor to the corporation.

3. **Change in Rights.** Neither any amendment nor repeal of this ARTICLE VII, nor the adoption of any provision of this Restated Certificate of Incorporation inconsistent with this ARTICLE VII, shall eliminate or reduce the effect of this Article VII in respect of any matter occurring, or any action or proceeding accruing or arising or that, but for this Article VII, would accrue or arise, prior to such amendment, repeal or adoption of an inconsistent provision.

#### ARTICLE VIII: MATTERS RELATING TO STOCKHOLDERS

1. **No Action by Written Consent of Stockholders.** Subject to the rights of the holders of any series of Preferred Stock with respect to actions by the holders of shares of such series, from and after the Voting Threshold Date, (a) no action shall be taken by the stockholders of the corporation except at a duly called annual or special meeting of stockholders and (b) no action shall be taken by the stockholders of the corporation by written consent.

2. **Special Meeting of Stockholders.** Subject to the rights of the holders of any series of Preferred Stock with respect to actions by the holders of shares of such series, special meetings of the stockholders of the corporation may be called only by the Board of Directors acting pursuant to a resolution adopted by a majority of the Whole Board, the Chief Executive Officer, President or the Chairperson of the Board, and may not be called by any other person or persons. Business transacted at special meetings of stockholders shall be confined to the purpose or purposes stated in the notice of meeting.

3. **Advance Notice of Stockholder Nominations.** Advance notice of stockholder nominations for the election of directors of the corporation and of business to be brought by stockholders before any meeting of stockholders of the corporation shall be given in the manner provided in the Bylaws of the corporation.

4. **Business Combinations.** The corporation elects not to be governed by Section 203 of the General Corporation Law.

#### ARTICLE IX: CHOICE OF FORUM

Unless the corporation consents in writing to the selection of an alternative forum, the Court of Chancery of the State of Delaware shall, to the fullest extent permitted by law, be the sole and exclusive forum for (1) any derivative action or proceeding brought on behalf of the corporation, (2) any action asserting a claim of breach of a fiduciary duty owed by, or other wrongdoing by, any director, officer, employee or agent of the corporation to the corporation or the corporation's stockholders, (3) any action asserting a claim arising pursuant to any provision of the General Corporation Law or the corporation's Restated Certificate of Incorporation or Bylaws, (4) any action to interpret, apply, enforce or determine the validity of the corporation's Restated Certificate of Incorporation or Bylaws or (5) any action asserting a claim governed by the internal affairs doctrine, in each such case subject to said Court of Chancery having personal jurisdiction over the indispensable parties named as defendants therein. Any person or entity purchasing or otherwise acquiring any interest in shares of capital stock of the corporation shall be deemed to have notice of and consented to the provisions of this ARTICLE IX.

**ARTICLE X: AMENDMENT OF RESTATED CERTIFICATE OF INCORPORATION**

The corporation reserves the right to amend or repeal any provision contained in this Restated Certificate of Incorporation in the manner prescribed by the laws of the State of Delaware and all rights conferred upon stockholders are granted subject to this reservation; provided, however, that, notwithstanding any other provision of this Restated Certificate of Incorporation or any provision of applicable law that might otherwise permit a lesser vote or no vote, but in addition to any vote of the holders of any class or series of the capital stock of this corporation required by applicable law or by this Restated Certificate of Incorporation, from and after the Voting Threshold Date, any amendment to or repeal of this ARTICLE X or ARTICLE V, ARTICLE VI, ARTICLE VII, ARTICLE VIII or ARTICLE IX of this Restated Certificate of Incorporation (or the adoption of any provision inconsistent therewith) shall require the affirmative vote of the holders of at least two-thirds of the voting power of the then outstanding shares of capital stock of the corporation entitled to vote generally in the election of directors, voting together as a single class.

\* \* \* \* \*



**CERTIFICATE OF AMENDMENT**  
**OF**  
**THE AMENDED AND RESTATED CERTIFICATE OF INCORPORATION**  
**OF**  
**META PLATFORMS, INC.**

**June 18, 2024**

Pursuant to Section 242 of the General  
Corporation Law of the State of Delaware

\* \* \* \* \*

Meta Platforms, Inc., a Delaware corporation (hereinafter called the “**Corporation**”), does hereby certify as follows:

1. The title of Article VII of the Corporation’s Amended and Restated Certificate of Incorporation is hereby amended to read in its entirety as set forth below:

**ARTICLE VII: DIRECTOR AND OFFICER LIABILITY; INDEMNIFICATION**

2. Clause 1 of Article VII of the Corporation’s Amended and Restated Certificate of Incorporation is hereby amended to read in its entirety as set forth below:

**1. Limitation of Liability.** A director or officer of the corporation shall not be liable to the corporation or its stockholders for monetary damages for breach of fiduciary duty as a director or officer, as applicable, except to the extent such exemption from liability or limitation thereof is not permitted under the General Corporation Law, as the same exists or may hereafter be amended. Any amendment, modification or repeal of the foregoing sentence shall not adversely affect any right or protection of a director or officer of the corporation hereunder in respect of any act or omission occurring prior to the time of such amendment, modification or repeal.

3. The foregoing amendments were duly adopted in accordance with Section 242 of the General Corporation Law of the State of Delaware.

IN WITNESS WHEREOF, the undersigned has executed this Certificate of Amendment as of the date first written above.

**META PLATFORMS, INC.**

By: /s/ Katherine R. Kelly  
Name: Katherine R. Kelly  
Title: Secretary

**FOURTH AMENDMENT TO THE  
META PLATFORMS, INC.  
2012 EQUITY INCENTIVE PLAN**

This Fourth Amendment (the “Amendment”) to the Meta Platforms, Inc. 2012 Equity Incentive Plan (as amended and restated on June 20, 2016 and amended on February 13, 2018 and March 1, 2023) (as further amended from time to time, the “Plan”) is approved and adopted to be effective as of May 29, 2024 (the “Amendment Effective Date”).

RECITALS

A. Section 24 of the Plan provides that the Board may amend the Plan, subject to stockholder approval under circumstances where stockholder approval is required, including for the addition of a type of Award which may be granted under the Plan.

B. This Amendment is subject to the approval of stockholders of Meta Platforms, Inc., a Delaware corporation (the “Company”).

C. The Company now desires to amend the Plan in accordance with the terms and conditions of this Amendment.

AMENDMENT

NOW THEREFORE, effective as of the Amendment Effective Date,

A. Section 6 of the Plan is hereby amended and restated by adding a new Section 6.6, which shall read as follows:

“6.6 Dividend Equivalents. The Committee may, in its discretion, specify in the applicable Award Agreement that any or all dividends or other distributions paid on Awards of Restricted Stock prior to vesting be paid either in cash or in additional Shares and either on a current or deferred basis and that such dividends or other distributions may be reinvested in additional Shares, which may be subject to the same restrictions as the underlying Awards.”

B. Section 9 of the Plan is hereby amended and restated by adding a new Section 9.5, which shall read as follows:

“9.5 Dividend Equivalents. The Committee may, in its discretion, specify in the applicable Award Agreement that any or all dividend equivalents or other distributions paid on Awards of RSUs prior to vesting or settlement, as applicable, be paid either in cash or in additional Shares and either on a current or deferred basis and that such dividend equivalents or other distributions may be reinvested in additional Shares, which may be subject to the same restrictions as such Awards.”

C. Section 15.1 of the Plan is hereby amended as follows:

“15.1 Voting and Dividends. No Participant will have any of the rights of a stockholder with respect to any Shares until the Shares are issued to the Participant, except for any rights permitted by an applicable Award Agreement or any dividend equivalent rights granted in accordance with Section 6.6 or Section 9.5. After Shares are issued to the Participant, the Participant will be a stockholder and have all the rights of a stockholder with respect to such Shares, including the right to vote and receive all dividends or other distributions made or paid with respect to such Shares; provided, that if such Shares are Restricted Stock, then any new, additional or different securities the Participant may become entitled to receive with respect to such Shares by virtue of a stock dividend, stock split or any other change in the corporate or capital structure of the Company will be subject to the same restrictions as the Restricted Stock; provided, further, that the Participant will have no right to retain such stock dividends or stock distributions with respect to Shares that are repurchased at the Participant’s Purchase Price or Exercise Price, as the case may be, pursuant to Section 15.2.”

D. The definition of “Award” set forth in Section 27 of the Plan is hereby amended as follows:

“**Award** means any award granted pursuant to the provisions of the Plan, including any Option, Restricted Stock, Stock Bonus, Stock Appreciation Right, Restricted Stock Unit, award of Performance Shares or dividend equivalent Shares or units awarded pursuant to Section 6.6 or Section 9.5.”

**CERTIFICATION OF PERIODIC REPORT UNDER SECTION 302 OF  
THE SARBANES-OXLEY ACT OF 2002**

I, Mark Zuckerberg, certify that:

1. I have reviewed this quarterly report on Form 10-Q of Meta Platforms, Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
  - a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
  - b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
  - c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
  - d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
  - a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
  - b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: July 31, 2024

/s/ MARK ZUCKERBERG

Mark Zuckerberg

*Chairman and Chief Executive Officer*

(Principal Executive Officer)

**CERTIFICATION OF PERIODIC REPORT UNDER SECTION 302 OF  
THE SARBANES-OXLEY ACT OF 2002**

I, Susan Li, certify that:

1. I have reviewed this quarterly report on Form 10-Q of Meta Platforms, Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
  - a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
  - b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
  - c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
  - d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
  - a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
  - b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: July 31, 2024

/s/ SUSAN LI

Susan Li

*Chief Financial Officer*

(Principal Financial Officer)

**CERTIFICATION PURSUANT TO  
18 U.S.C. SECTION 1350  
AS ADOPTED PURSUANT TO SECTION 906  
OF THE SARBANES-OXLEY ACT OF 2002**

I, Mark Zuckerberg, Chairman and Chief Executive Officer of Meta Platforms, Inc. (Company), do hereby certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that to the best of my knowledge:

- the Quarterly Report on Form 10-Q of the Company for the quarter ended June 30, 2024 (Report) fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
- the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company for the periods presented therein.

Date: July 31, 2024

/s/ MARK ZUCKERBERG

Mark Zuckerberg

*Chairman and Chief Executive Officer*

(Principal Executive Officer)

**CERTIFICATION PURSUANT TO  
18 U.S.C. SECTION 1350  
AS ADOPTED PURSUANT TO SECTION 906  
OF THE SARBANES-OXLEY ACT OF 2002**

I, Susan Li, Chief Financial Officer of Meta Platforms, Inc. (Company), do hereby certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that to the best of my knowledge:

- the Quarterly Report on Form 10-Q of the Company for the quarter ended June 30, 2024 (Report) fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
- the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company for the periods presented therein.

Date: July 31, 2024

/s/ SUSAN LI

Susan Li

*Chief Financial Officer*

(Principal Financial Officer)

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**WARRANT AGENT**

**THE CENTRAL DEPOSITORY (PTE) LIMITED**

4 Shenton Way  
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Singapore 068807

**LEGAL ADVISERS TO THE ISSUER**

*(as to Singapore law)*

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