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Disclosure to Citi Markets' Institutional Equities Clients

Citigroup Inc. (together with its affiliates, “Citi”, “we” or “us”) is a global financial services firm that operates as a broker, dealer and market maker in Equities markets. Citi is dedicated to adhering to applicable laws and regulations in our dealings with our Clients in those markets. This document is intended to clarify aspects of the trading relationship between Citi and our clients, customers or counterparties (each, the “Client” or “you”) in Equities markets. The terms of dealing and disclosures set forth in this document are subject to (and, to the extent of any conflict, shall be governed by): (i) any written agreement with you or other written terms of business or other disclosures (including published policies) we have provided to you¹; and (ii) any applicable law or regulation (including, but not limited to, any applicable requirements regarding best execution or conflicts of interest). Laws and regulations in various jurisdictions may provide rights or obligations other than those discussed in this document.

You should review this document in connection with other applicable Citi agreements, terms of business and disclosures in order to fully understand your relationship with us in the context of a particular transaction. Citi may execute transactions on a trading venue (e.g., an exchange, or other market), on either (i) an agency or agency-like (i.e., riskless principal) basis, or (ii) a principal basis, in which case Citi’s capacity with respect to that particular trade will be noted on the relevant confirmation. In the case of transactions executed on an agency or riskless principal basis, Citi will be acting solely as agent (or riskless principal, as the case may be) for the purpose of execution and not otherwise as an agent. We do not act as your fiduciary, financial advisor or in any similar capacity on your behalf, and the terms of dealing set out in this document will also apply to the extent relevant.

Any Citi entity may, at its sole discretion, execute an order received from you as principal, riskless principal, agent, or any combination of the foregoing. Accordingly, statements we make to a Client in any such context should not be construed as recommendations or advice or that Citi has acted as the Client’s advisor. In addition, when we transact with our Clients, we rely on the apparent authority of the employees, representatives, advisers and agents who communicate with us on their behalf.

When you enter into Equities transactions with us, it will be on the basis that you have read and understood these terms of dealing. If you have questions after reading this document, please contact your senior Citi coverage representative.

This document is also available at [http://www.citibank.com/icg/about_us/reg_disclosures.html] and may be updated from time to time, including to address regulatory, market or industry developments.

I. Orders

In this document, an “order” refers to any request, instruction or offer by a Client to enter into a transaction on terms consistent with those specified by the Client, including orders with terms that permit us to exercise discretion as to the price, time or size. Unless the counterparty otherwise specifies, we assume that each order we receive remains valid until the end of the trading day in which we receive it.

When we indicate our willingness to “work” an order, we are indicating our willingness to attempt to fulfill the order for the Client within the price, time and size parameters requested. Our receipt of an order or any

¹ In particular, activities you undertake with (i) Citigroup Global Markets Limited, Citibank, N.A., London Branch or Citibank Europe PLC, UK Branch or (ii) Citigroup Global Markets Europe, or Citibank Europe PLC will be subject to the Terms of Business for Professional Clients and Eligible counterparties, available at, respectively, http://icg.citi.com/icg/global_markets/uk_terms.jsp and https://www.citi.com/icg/global_markets/EEA_terms.jsp

indication by us that we are working an order does not create a contract between us and a Client. No transaction or other contract will result from an order until and unless we respond to the Client that we have filled or executed against some or all of the order, at which point the Client will assume the risks associated with the filled or executed order, including market risk and credit risk

Where a Client submits or leaves an order on, or using, an electronic messaging or communication system permitted by us (*e.g.*, chat, email, instant messaging, voicemail system, etc.), the Client should not assume that Citi is aware and in receipt of the order unless a Citi representative has affirmatively acknowledged receipt of the order.

II. Principal Trading

When we execute a Client order as a principal, we do so on an arm's-length basis, for our own account. In such capacity, Citi (including its sales and trading personnel) does not act as a broker, agent, fiduciary, adviser or in any similar capacity on behalf of its Client, and Citi does not undertake the duties that an entity acting in any such capacity ordinarily would perform. Accordingly, when we execute a Client order as principal, statements we make to a Client should not be construed as recommendations or advice, nor should we be construed as the Client's advisor. In addition, when we transact with our Clients as principal, we rely on the apparent authority of the employees, representatives, advisers and agents who communicate with us on their behalf.

We generally do not disclose information regarding the market making, hedging, and pre-hedging activities described below to our Clients on an order- or transaction-specific basis, but we require our personnel to be truthful if they agree to provide such information. We also are under no obligation to pass on to a Client profits derived from those activities.

A. Market Making, Pre-Hedging & Execution

As a market maker, we may have positions and execute against the competing orders of multiple Clients, as well as trading to satisfy our own interests. As a result, we may trade with others prior to or alongside hedging, pre-hedging, pre-positioning, or executing against a Client's order.

Following the receipt of an order or an indication of interest, we may, in our reasonable discretion and subject to applicable law, engage in pre-hedging or pre-positioning as we determine appropriate to manage risks that we assume (or anticipate assuming) in connection with such transaction or to inform the pricing of such transaction (or anticipated transaction). Such pre-hedging or pre-positioning may be executed before (including, but not limited to, within the seconds and minutes before or during the pricing or consummation of any directly or indirectly related transactions between Citi and you. We also exercise reasonable discretion in deciding how, when and where to pre-hedge or pre-position, which may take into account both internal and external sources of liquidity, as well as other market conditions and Citi's overall market exposure. Pre-hedging or pre-positioning activity between Citi and third-parties, and any related discussions, will be conducted by Citi as principal, not as agent for you. Our intention in conducting such pre-hedging or pre-positioning activity is to facilitate order execution and reduce the potential market impact of filling your order, in addition to minimizing our risk of entering into the transaction. However, there is no guarantee that such activity will have the desired outcome. Our pre-hedging, pre-positioning and other market-making activities may, depending on market conditions, affect or negatively impact market levels; the prices we offer to a Client or at which execution occurs; the availability of liquidity at levels necessary to execute Client orders; the level at which a benchmark or reference market rate is set; and whether prices change in a manner that accelerates, triggers, or delays or prevents the triggering of, stop-loss orders, barriers, knock-outs, knock-ins or similar order conditions, including in relation to transactions you conduct or may conduct with Citi. Any such market impact may operate to a Client's disadvantage. Such negative impacts are particularly possible during times of low liquidity in the relevant markets.

B. Pricing and Quotes

All quotes provided to a Client are indicative quotes (unless we indicate otherwise e.g., by providing a quote in response to a request for a firm quote, or by displaying quotes with a clear reference that such quote is actionable not indicative.) We may quote a principal transaction as an all-in price or as a guaranteed price including the addition of a commission.

When determining prices at which we will trade as principal, we may take into account factors such as: product type; the market in which the transaction would occur; the type of order; the size and direction of the transaction; and other pricing information; and internal costs. We may also take into account Client and transaction specific factors such as: the volume, types, size, frequency or speed of trading the Client executes with Citi and in the market; the potential market impact of the Client's trading activity with Citi and in the market; the Client's credit quality and Citi's credit exposure to the Client; specific terms of the transaction or governing documentation; and the extent and nature of the Client's business relationship(s) with Citi. Local legal or regulatory requirements may also be determinative. Some of these factors might operate to a Client's disadvantage and may delay or prevent the execution against the order or increase the slippage or difference between any specified price trigger for the order and the actual execution price.

The relevant impact of each individual factor on the price of a transaction will differ depending upon the specific circumstances of that transaction. As a result, we may quote different prices to different Clients or at different times for the same or substantially similar type of transaction.

We generally do not disclose the amount of revenue we earn or expect to earn from a transaction or the components of our "all-in" price, but we require our personnel to be truthful if they agree to provide such information.

Where we provide quotes when acting as principal, we may, subject to applicable law: decide the transaction size or sizes of such quotes; update or withdraw such quotes at any time; execute orders at a better price than set out in such quotes; execute orders at a different price than such quotes in respect of transactions where execution in several securities is part of one transaction or in respect of orders that are subject to conditions other than market price; where we receive an order of a size bigger than our quotation size, decide to execute that part of the order which exceeds our quotation size at the quoted price, or at a different price; where we provide such quotes in different sizes and receive an order between those sizes, decide to execute the order at one of the quoted prices, or at a different price; limit both the number of transactions that we undertake to enter into with a Client pursuant to any quote and the total number of transactions that we undertake to enter into with different Clients pursuant to any quote; and make any other modifications to our quotes as we determine in our sole discretion are necessary or desirable.

III. Electronic Trading

Citi offers its Clients access to multiple electronic trading and order routing systems. These differ from traditional open outcry pit trading and manual order routing methods. Moreover each such system may be different than any other system. Transactions using such a system are subject to the rules and regulations of the venue, exchange or market offering the system and/or listing the contract. Before you engage in transactions using such a system, you should carefully review the rules and regulations of the market(s) offering the system and/or listing the financial instruments you intend to trade to understand, among other things, in the case of trading systems, the system's order matching procedure, opening and closing procedures and prices, error trade policies and trading limitations or requirements and in the case of all systems, qualifications for access and grounds for termination and limitations on the types of orders that may be entered into the system. Each of these matters may present different risk factors with respect to trading on or using a particular system.

Each system may also present risks related to system access, varying response times and security, as well as risks related to service providers and the receipt and monitoring of electronic mail. Trading through an electronic trading or order routing system exposes you to risks associated with system or component failure. In the event of system or component failure, it is possible that, for a certain time period, you may not be able to enter new orders, execute existing orders or modify or cancel orders that were previously entered. System or component failure may also result in loss of orders or order priority.

Market(s) offering an electronic trading or order routing system may have adopted rules to limit their liability, and the liability of clearing members and software and communication system vendors and the amount of damages you may collect for system failure and delays. These limitations of liability provisions vary among the Market(s). You should consult the rules and regulations of the relevant Market(s) in order to understand these liability limitations.

IV. Best Execution

Best execution means the requirement to take all sufficient steps with the goal of obtaining the best possible result for Clients, taking into account price, costs, speed, likelihood of execution and settlement, size, nature or any other consideration relevant to the execution of an order, when executing Client orders or using other affiliates to execute orders (or receiving and transmitting an order of yours). These factors are known as the “execution factors” and will provide the basis for us to explain how we will provide best execution. We will provide best execution when we are executing an order on your behalf or receiving and transmitting an order of yours. When we act as agent for you, or where we trade with you on a riskless or matched principal basis, it is generally clear that you will be relying on us to protect your interests and therefore we will provide best execution. In order to assess if we are executing an order on your behalf, we will determine whether you are placing legitimate reliance on us, a process that will take into account a number of relevant considerations, including circumstances of the transaction, market practice, relative levels of transparency with a market and terms of our agreement with you.

V. Confidentiality

We are bound by regulatory and certain contractual obligations relating to confidential information. Consequently, Citi has policies and procedures in place that are reasonably designed to protect such confidential information and ensure it is not inappropriately disclosed or otherwise used improperly. Where consistent with these obligations:

We may make use of information provided to us as principal in connection with potential or anticipated transactions between Citi and you in order to effectuate and risk manage transactions, as well as for other risk management purposes. Specifically, unless otherwise agreed, we may use the economic terms of a potential or anticipated transaction in order to evaluate and/or source liquidity and/or execute risk-mitigating transactions or determine what prices we quote to third parties. Such use could adversely affect the Client who provided the information to us.

We analyze information regarding executed transactions on an individual and aggregate basis for a variety of purposes, including credit and market risk management, sales coverage, and Client relationship management. We may analyze, comment on, and disclose anonymized and aggregated information regarding executed transactions, together with other relevant market information, internally and to third parties, as market color. We may also use such anonymized and aggregated information in products, services or data that we offer as part of our business. We may also use Client- or transaction-specific information regarding executed transactions for risk management or mitigation purposes.

In addition, as part of our obligations as a regulated entity, we share Client and transaction information as required by our global regulators.

VI. Conflicts of Interest

The fact that we act as a broker and a dealer in securities for multiple Clients with differing interests gives rise to inherent conflicts of interest between us and our Clients and among our Clients with respect to whether, when, to what extent and at what prices we execute transactions with our Clients.

In some Equities markets we may maintain inventory or pre-hedge or pre-position in anticipation of a future Client's order. We may derive additional benefits from that activity, including, among others, reduced transaction costs when we use internal liquidity and ownership or other economic interest (such as the right to receive payments or other fees or revenue sharing) in an external venue or platform where we trade to pre-hedge, pre-position, or fill a Client's order. This activity may present conflicts of interest, but it is our policy to conduct this activity in a manner designed to avoid disadvantaging our Clients. As described in Section II.A above, despite Citi's good faith efforts, it is possible that such pre-hedging, pre-positioning or other market-making activities may affect or negatively impact the terms of any transaction or potential transaction between Citi and you. Pre-hedging or pre-positioning activity between Citi and third-parties, and any related discussions, will be conducted by Citi as principal, not as agent for you, and all compensation or other economic interests resulting from such arrangements will accrue to Citi's account and not the Client's account.

Reference price transactions are transactions agreed with reference to a future determined auction price, benchmark, or other reference price. A Client should be aware of the key mechanics of reference prices and that the use of reference prices creates inherent conflicts of interest between Citi and its Clients. For example, binary options, also known as barrier or digital options are a class of option activated or cancelled when a pre-determined reference price is reached at a specified date or time (or during a specified date or time range). Our hedging activity related to these reference prices, may be conducted before, during or after the reference price is calculated, and may affect the underlying reference price. On occasion this hedging activity may operate to a Client's disadvantage. Our hedging activity is only for risk mitigation purposes and never to influence or manipulate the reference price. However, our hedging activity (including pre-hedging and pre-positioning activity) may impact the level of benchmark or reference market rates in a manner unfavorable to you.

Any Citi entity may transact business with you or on your behalf or (where separately agreed in writing) provide advice to you, in circumstances where it has, directly or indirectly, a material interest or a relationship of any description with a third party which may involve a conflict of interest or potential conflict of interest with you. In this context, material interests or relationships may include, without limitation, Citi interests through market ownership and personnel interests through shareholdings or board memberships. Subject to applicable law, no such conflict of interest or potential conflict of interest shall prevent any Citi entity from carrying out any transaction and no Citi entity shall be liable to account to you for any benefit made or received by it in such circumstances.

We have policies and procedures to identify, consider and manage potential conflicts of interest and protect the integrity of our relationships with our Clients. Citi personnel are required to comply with such policies and procedures and may not do anything directly or indirectly that is prohibited thereunder. A summary description of our conflicts of interest policy is available to you on request.

VII. Derivatives

Clients are encouraged to review important disclosures of material economic terms and risks of trading in Equities derivatives instruments, which are available at:

<https://www.citivelocity.com/cv2/go/DoddFrankMaterialDisclosures>