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## Citi Research Fixed Income Ratings Distribution

| -  |     | Rating |      |  |  |
|--|-----|--------|------|--|--|
| Data current as of 30 Sep 2020   | Buy | Hold   | Sell |  |  |
| Citi Research US High Yield Issuer Coverage                                | 0%  | 0%     | 0%   |  |  |
| % of companies in each rating category that are investment banking clients | 0%  | 0%     | 0%   |  |  |
| Citi Research Equity Ratings Distribution                                  |     |        | -    |  |  |

| 40.14 |  |   |   |   |  |
|-------|--|---|---|---|--|
| 12 Mo | nth Rating   |   | Catal   | yst Watch   |  |
| Buy   | Hold   | Sell  | Buy   | Hold  | Sell   |
| 55%   | 34%  | 11%   | 22%   | 68%   | 9%   |
| 65%   | 62%  | 59%   | 68%   | 62%   | 68%  |
| 0%    | 0%   | 0%  |   |   |  |
| 0%    | 0%   | 0%  |   |   |  |
| 30%   | 40%  | 30%   |   |   |  |
| 38%   | 36%  | 37%   |   |   |  |
| 20%   | 59%  | 21%   |   |   |  |
| 66%   | 66%  | 73%   |   |   |  |
| 20%   | 60%  | 20%   |   |   |  |
| 37%   | 32%  | 25%   |   |   |  |
| 48%   | 0%   | 52%   |   |   |  |
| 53%   | 0%   | 40%   |   |   |  |
|       | Buy<br>55%<br>65%<br>0%<br>0%<br>30%<br>38%<br>20%<br>66%<br>20%<br>37%<br>48% | Buy         Hold           55%         34%           65%         62%           0%         0%           0%         0%           30%         40%           38%         36%           20%         59%           66%         66%           20%         60%           37%         32%           48%         0% | Buy         Hold         Sell           55%         34%         11%           65%         62%         59%           0%         0%         0%           0%         0%         0%           0%         0%         0%           30%         40%         30%           38%         36%         37%           20%         59%         21%           66%         66%         73%           20%         60%         20%           37%         32%         25%           48%         0%         52% | Buy         Hold         Sell         Buy           55%         34%         11%         22%           65%         62%         59%         68%           0%         0%         0%           0%         0%         0%           0%         0%         0%           30%         40%         30%           38%         36%         37%           20%         59%         21%           66%         66%         73%           20%         60%         20%           37%         32%         25%           48%         0%         52% | Buy         Hold         Sell         Buy         Hold           55%         34%         11%         22%         68%           65%         62%         59%         68%         62%           0%         0%         0%         0%         0%           0%         0%         0%         0%         0%           30%         40%         30%         38%         36%         37%           20%         59%         21%         66%         66%         73%           20%         60%         20%         37%         20%         32%         25%           48%         0%         52%         48%         0%         52% |

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Leveraged and Inverse ETFs: Leveraged ETFs seek to provide a multiple of the returns of a given index or benchmark and will generally produce a different return than the cumulative returns of the index or benchmark. Inverse ETFs (which may also be leveraged) seek to provide the opposite of the returns of a given index or benchmark. Due to the effects of compounding and possible correlation errors, leveraged and inverse ETFs may experience greater losses than one would ordinarily expect and may experience losses even in situations where the underlying index or benchmark has performed as hoped. Aggressive investment techniques such as futures, forward contracts, swap agreements, derivatives and options can increase ETF volatility and decrease performance. Investors holding these ETFs should therefore monitor their holdings consistent with their strategies, as frequently as daily.

International investing and Sector Specific ETFs: International investing involves special risks such as currency fluctuation and political instability. Investing in emerging markets may accentuate these risks. Since sector- and commodity-specific ETFs are not diversified and focus their investments entirely in a single sector, commodity, or basket of commodities, these ETFs may involve a greater degree of risk than an investment in other diversified fund types.

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The performance data quoted represents past performance. Past performance is no guarantee of future results. The investment return and principal value of an investment will fluctuate so that an investor's shares, when redeemed, may be worth more or less than their original cost. Current performance may be higher or lower than the performance data quoted.

Inverse and Leveraged ETFs: Most leveraged ETFs seek to provide a multiple of the investment returns of a given index or benchmark on a daily basis. Inverse ETFs seek to provide the opposite of the investment returns, also daily, of a given index or benchmark, either in whole or by multiples. Due to the effects of compounding and possible correlation errors, leveraged and inverse ETFs may experience greater losses than one would ordinarily expect. Compounding can also cause a widening differential between the performances of an ETF and its underlying index or benchmark, so that returns over periods longer than one day can differ in amount and direction from the target return of the same period. Consequently, these ETFs may experience losses even in situations where the underlying index or benchmark has performed as hoped. Aggressive investment techniques such as futures, forward contracts, swap agreements, derivatives and options can increase ETF volatility and decrease performance. Investors holding these ETFs should therefore monitor their holdings consistent with their strategies, as frequently as daily.

International investing and Sector Specific ETFs: International investing involves special risks such as currency fluctuation and political instability. Investing in emerging markets may accentuate these risks. Since sector- and commodity-specific funds are not diversified and focus their investments entirely in a single sector, commodity, or basket of commodities, the funds will involve a greater degree of risk than an investment in other diversified fund types.

Exchange Traded Notes (ETNs): ETNs are not funds and are not registered under the Investment Company Act of 1940. ETNs are not secured debt and do not provide principal protection unless stated specifically in the prospectus. The repayment of the principal, interest (if any), and the payment of any returns at maturity or upon redemption are dependent on that issuer's ability to pay. Risks of investing in ETNs include limited portfolio diversification, trade price fluctuations, uncertain principal repayment, and illiquidity. ETNs may have call features that allow the issuer to call the ETN at the issuer's discretion due to the occurrence of certain market events. A call right by an issuer may adversely affect the value of the notes.

Investing in ETNs is not equivalent to investing directly in an index or in any particular index components. The investor fee will reduce the amount of your return at maturity or on redemption, and as a result you may receive less than the principal amount of your investment at maturity or upon redemption of your ETN even if the level of the relevant index has increased or decreased (as may be applicable to the particular series of ETNs). An investment in ETNs may not be suitable for all investors. Commissions may apply and there are tax consequences in the event of sale, redemption or maturity of Securities.

Investors should refer to the ETN's prospectus to obtain a complete discussion of the risks involved when investing.

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Guide to Citi Research High Yield Ratings: Coverage in the Citi Research High Yield universe is assigned a relative return based rating. Depending on the issuer under analysis ratings may be applied to either some or all of the issuer's debt securities, CDS or leveraged loans. These ratings and their definitions are: Guide to Citi Research High Yield Issue and Leveraged Loan Ratings:

Buy (1): The analyst expects the six-month total return of the rated instrument to exceed the market value weighted average six-month total return for the analyst's sector or comparable sub-index of the Citi High Yield Market Index (for debt securities and CDS) or Citi Leveraged Loan Tracker (for leveraged loans). Neutral (2): The analyst expects the six-month total return of the rated instrument to be in line with the market value weighted average six-month total return for the analyst's sector or comparable sub-index of the Citi High Yield Market Index (for debt securities and CDS) or Citi Leveraged Loan Tracker (for leveraged loans). Sell (3): The analyst expects the six-month total return of the rated instrument to be below the market value weighted average six-month total return for the analyst's sector or comparable sub-index of the Citi High Yield Market Index (for debt securities and CDS) or Citi Leveraged Loan Tracker (for leveraged loans). Sell (3): The analyst expects the six-month total return of the rated instrument to be below the market value weighted average six-month total return for the analyst's sector or comparable sub-index of the Citi High Yield Market Index (for debt securities and CDS) or Citi Leveraged Loan Tracker (for leveraged loans). The Citi High Yield Market Index and Citi Leveraged Loan Tracker are both available at

https://www.citivelocity.com/marketbuzz/public/research/MarketSnapshot.action

## Guide to Citi Research High Yield Credit Default Swap (CDS) Ratings:

Long Risk: The analyst expects the next three months' total return from selling CDS on the issuer to exceed that of selling CDS on the on-the-run CDX.HY index and/or sector comparables.

Neutral: The analyst expects the next three months' total return for buying or selling CDS on the issuer will be in line with the returns from on-the-run CDX.HY index and/or sector comparables.

Short Risk: The analyst expects the next three months' total return from buying CDS on the issuer to exceed that of buying CDS on the on-the-run CDX.HY index and/or sector comparables.

The on-the-run CDX.HY index is available at https://www.citivelocity.com/marketbuzz/public/research/MarketSnapshot.action

Guide to Citi Research High Yield Sector/Issuer Portfolio Weightings:

**Overweight (OW):** Over the next six months, the recommended sector or issuer is expected to outperform the returns on the relevant index or benchmark based on valuation and methodology provided below;

Marketweight (MW): Over the next six months, the recommended sector or issuer is expected to perform in line with the returns on the relevant index or benchmark based on valuation and methodology provided below;

Underweight (UW): Over the next six months, the recommended sector or issuer is expected to underperform the returns on the relevant index or benchmark based on valuation and methodology provided below;

**Under Review:** Citi Research has suspended the investment rating for this issuer because there is not a sufficient fundamental basis for determining an investment rating. The previous investment rating is no longer in effect for this issuer and should not be relied upon. To satisfy regulatory requirements, we correspond 'under review' to Hold in our ratings distribution table. However, we reiterate that we do not consider 'under review' to be a recommendation.

For purposes of complying with ratings-distribution-disclosure rules, a Citi Research High Yield rating of Overweight is considered to correspond to a Buy recommendation; Marketweight and Neutral to a Hold recommendation; and Underweight to a Sell recommendation.

HY Catalyst Watch calls: Citi HY Research may also include a HY Catalyst Watch call to highlight specific near-term catalysts or events impacting a high yield credit issuer or the market that are expected to influence the price or spread of an instrument over the next 30 days. A HY Catalyst Watch call will automatically expire at the end of the 30 day period; the analyst may also close a HY Catalyst Watch call prior to the end of the 30 day period in a published research note. A HY Catalyst Watch call may be different from and does not affect a fundamental issuer weighting or issue rating, which reflects a longer-term relative total return expectation. For all HY Catalyst Watch calls, risk exists that the catalyst(s) and associated price or spread movement will not materialize as expected. HY Catalyst Watch ratings are as follows:

Price Upside: The analyst expects the bond or loan price to rise in absolute terms over the next 30 days

Price Downside: The analyst expects the bond or loan price to fall in absolute terms over the next 30 days

Spread Tightening: The analyst expects the bond or loan yield spread (yield differential over benchmark US Treasury yield) or CDS spread (insurance premium as a percentage of notional) to tighten in absolute terms over the next 30 days

Spread Widening: The analyst expects the bond or loan yield spread (yield differential over benchmark US Treasury yield) or CDS spread (insurance premium as a percentage of notional) to widen in absolute terms over the next 30 days

Issuer, Sector, Bond and Loan Valuation and Methodology: In Citi's High Yield Credit Research we assign a rating (Buy, Neutral or Sell) that, depending on the company under analysis, may be assigned to some or all of the company's debt instruments. The rating is based on our credit view of the issuer and the relative value of its debt instruments, taking into account the ratings assigned to the issuer by credit rating agencies and the market prices for the issuer's debt instruments. Issuers with a non-investment grade or speculative rating by credit rating agencies will generally have a greater credit/default risk. Our credit view of an issuer is based upon our opinion as to whether the issuer will be able to service its debt obligations when they become due and payable. We may assess this by analyzing, among other things, the issuer's credit position using standard credit ratios such as cash flow to debt and fixed charge coverage (including and excluding capital investment). We also analyze the issuer's ability to generate cash flow by reviewing standard operational measures for comparable companies in the sector, such as revenue and earnings growth rates, margins, and the composition of the issuer's balance sheet relative to the operational leverage in its business. Sector weightings are based on general global macro factors, industry fundamentals, and broader high yield market and sector specific technicals.

CDS Valuation and Methodology: In Citi's High Yield Credit Research we assign a rating Long Risk (meaning Sell Protection), Neutral or Short Risk (meaning Buy Protection) that, depending on the issuer under analysis, may be assigned to some or all of the CDS on that issuer. Long Risk refers to selling the CDS, thereby assuming the risk of a credit event. Short Risk refers to buying the CDS, thereby transferring the risk of a credit event. The rating is based on our credit view of the issuer and the relative value versus the relevant index or benchmark, and or sector comparables. Our issuer view considers the fundamental and technical backdrop for the issuer and the market price of the issuer's CDS contracts. For purposes of complying with ratings-distribution-disclosure rules, a rating of Long Risk is considered to correspond to a Sell recommendation; Neutral to a Hold recommendation; and Short Risk to a Buy recommendation.

## Guide To Investment Ratings - Closed-End Funds:

Citi Research closed-end fund recommendations include a risk rating and an investment rating.

**Risk ratings**, which take into account the quality and liquidity of the underlying securities, financial leverage, and foreign currency exposure, are: Low [L] (fund invests in high quality, liquid securities with little to no financial leverage or foreign currency exposure); Medium [M] (overall, fund invests in moderate- to high-quality, liquid securities with reasonable financial leverage, and provides primarily United States dollar currency exposure); High [H] (fund may invest in low-quality, less-liquid securities, have exposure to foreign currencies, and use above-average degrees of financial leverage); and Speculative [S] (fund invests in low-grade, illiquid and/or highly volatile securities, have exposure to foreign currency, and may also use high degrees of financial leverage).

Investment ratings are based upon the Citi Research expectation of the funds total return relative to its peer group of closed-end-funds, and the ability to provide stable to rising dividends, where applicable. Investment ratings are: Outperform [1] (fund is expected to outperform its peer group, and/or the fund is expected to provide stable to rising dividends, where applicable); In-Line [2] (fund is expected to perform in line with its peer group, and/or the fund is expected to provide stable dividends, where applicable); In-Line [2] (fund is expected to perform in line with its peer group, and/or the fund is expected to provide stable dividends, where applicable); and Underperform [3] (fund is expected to underperform its peer group, and/or the fund is expected to provide a declining dividend, where applicable).

## Guide to Citi Research Quantitative Research Investment Ratings:

Citi Research Quantitative Research World Radar Screen recommendations are based on a globally consistent framework to measure relative value and momentum for a large number of stocks across global developed and emerging markets. Relative value and momentum rankings are equally weighted to produce a global attractiveness score for each stock. The scores are then ranked and put into deciles. A stock with a decile rating of 1 denotes an attractiveness score in the top 10% of the universe (most attractive). A stock with a decile rating of 10 denotes an attractiveness score in the bottom 10% of the universe (least attractive). Citi Research Asia Quantitative Radar Screen model recommendations are based on a regionally consistent framework to measure relative value and momentum for a large number of stocks across regional developed and emerging markets. Relative value and momentum rankings are equally weighted to produce a global attractiveness score for each stock. The scores are then ranked and put into guintiles. A stock with a guintile rating of 1 denotes an attractiveness score in the top 20% of the universe (most attractive). A stock with a quintile rating of 5 denotes an attractiveness score in the bottom 20% of the universe (least attractive). Citi Research Quantitative Research Latam Radar Screen recommendations are based on a globally consistent framework to measure relative value and momentum for a large number of stocks across markets in Latin America. Relative value and momentum rankings are equally weighted to produce a global attractiveness score for each stock. The scores are then ranked and put into guintiles. A stock with a guintile rating of 1 denotes an attractiveness score in the top 20% of the universe (most attractive). A stock with a quintile rating of 5 denotes an attractiveness score in the bottom 20% of the universe (least attractive). Citi Research Australia Quantitative Radar Screen model recommendations are based on a robust framework to measure relative value and momentum for a large number of stocks across the Australian market. Stocks with a ranking of 1 denotes a stock that is above average in terms of both value and momentum relative to the stocks in the Australian market. A ranking of 10 denotes a stock that is below average in terms of both value and momentum relative to the stocks in the Australian market.

For purposes of FINRA ratings-distribution-disclosure rules, a Citi Research Quantitative World Radar Screen recommendation of (1), (2) or (3) most closely corresponds to a buy recommendation; a recommendation from this product group of (4), (5), (6) or (7) most closely corresponds to a hold recommendation; and a recommendation of (8), (9) or (10) most closely corresponds to a sell recommendation. An (NR) recommendation indicates that the stock is no longer in the screen. For purposes of FINRA ratings-distribution-disclosure rules, a Citi Research Latam Radar Screen recommendation of (1) most closely corresponds to a buy recommendation; a recommendation of (2),(3) or (4) most closely corresponds to a hold recommendation; and a recommendation of (5) most closely corresponds to a sell recommendation. An one commendation of (5) most closely corresponds to a sell recommendation.

For purposes of FINRA ratings distribution disclosure rules, a Citi Research Asia Quantitative Radar Screen recommendation of (1) most closely corresponds to a buy recommendation; a Citi Research Asia Quantitative Radar Screen recommendation of (2), (3), (4) most closely corresponds to a hold recommendation; and a recommendation of (5) most closely corresponds to a sell recommendation. An (NR) recommendation indicates that the stock is no longer in the screen. For purposes of FINRA ratings-distribution-disclosure rules, a Citi Research Quantitative Research Australia Radar Screen recommendation of "attractive" (1) most closely corresponds to a buy recommendation. All other stocks in the sector are considered to be "unattractive" (10) which most closely corresponds to a sell recommendation. An (NR)/(0) recommendation indicates that the stock is no longer in the screen.

Recommendations are based on the relative attractiveness of a stock, thus can not be directly equated to buy, hold and sell categories. Accordingly, your decision to buy or sell a security should be based on your personal investment objectives and only after evaluating the stock's expected relative performance.

## NON-US RESEARCH ANALYST DISCLOSURES

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| Citigroup Global Markets Ltd       | Benjamin Nabarro |

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(2) provide clients with a summary of Citi's respective policies and procedures.

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2.2. To this end, we have policies in place to identify, consider and manage potential conflicts of interest and protect the integrity of our relationships with investing and corporate clients. Employee compliance with these policies (in addition to continuing training on their content) is mandatory. In addition, employees may not do indirectly that which they are prohibited from doing directly under these policies.

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3.2. Despite procedures and policies for the identification and management of potential conflicts, Citi Research may not be aware of all such potential conflicts.

because it may not be familiar with all the interests of the recipients of research and other clients.

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(2) Procedures to ensure that potential conflicts are escalated to the appropriate level within Citi.

(3) Legal monitoring of potential conflicts arising out of the publication of research in the period before, during and after investment banking transactions.

(4) Internal arrangements (including physical separation, Chinese walls and other information barriers) for regulating the flow of information between and within business areas.

(5) Editorial guidelines and procedures for supervisory and compliance review of research prior to publication.

(6) Employee Certification protocols to disclose personal conflicts and other personal information that could conflict with the production of independent investment research.

## 4. Structural Separation

4.1. Citi Research is part of the Citi Institutional Clients Group ("ICG"). ICG is the business unit of Citi composed of Capital Markets Origination and Corporate and Investment Banking (collectively, "Banking"), Citi Markets and Securities Services, Citi Private Bank, Citi Commercial Bank (ex. US), Citi Research, and Treasury and Trade Solutions.

4.2. The Global Head of Citi Research reports directly to the Head of Citi Global Markets. Banking senior management reports into the Chief Executive Officer of ICG.

4.3. Citi Research is physically separated from Banking by being located on different floors or segregated areas of the same floor subject to controls required by Legal/Compliance. Citi Research is also physically separated from other areas of the Firm to the extent advised by Legal/Compliance in light of local regulations and interpretations. Citi Research personnel must also use computer drives and research authoring systems that are not accessible by Banking or Markets employees.

## 5. Supervision and Remuneration of Citi Research Analysts

5.1. Compensation of Citi Research analysts is structured to align the interests of research analysts with Citi Research's investing clients and to avoid any incentive inconsistent with the provision of impartial research. As such, compensation of research analysts is determined exclusively by Citi Research management and Citi's senior management (excluding anyone from Banking or anyone who performs sales, trading or clearing activities or their direct supervisors) and is not linked to specific transactions or recommendations.

5.2. Citi Research analyst compensation is based on established criteria that include the quality and accuracy of the analyst's research and analysis. No Research analyst compensation may be based upon specific investment banking transactions or contributions to the Banking business or upon specific trading transactions or contributions to Markets' trading or clearing business. However, compensation may relate to the revenues or results of Citi as a whole (including Banking and Markets).

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5.5. All Citi Research reports must carry a certification from the research analyst that the views expressed accurately reflect the analyst's personal views about any and all of the subject issuer(s) or securities and that no part of their compensation was, is or will be directly or indirectly related to the specific recommendation(s) or view(s) in that report.

## 6. Involvement of analysts in other activities

6.1. Citi Research analysts are not permitted to participate in efforts to solicit investment banking business or to participate in any pitches to prospective investment banking clients.

6.2. Citi Research analysts are not permitted to participate in or attend any company or investment banking sponsored road shows related to a public offering or other investment banking transaction.

6.3. Interactions between Citi Research and Banking are permitted only if they do not compromise Citi's commitment to research independence. Email and certain other electronic communications between Banking and Equity Research are blocked, subject to limited exceptions.

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6.5. Interactions between research analysts and corporates, including private companies, are a legitimate and necessary part of an analyst's ordinary course work to understand their area of coverage (including the wider sector).

6.6. Nonetheless, to comply with regulatory requirements that exist in certain regions, Citi research analyst interactions with issuers, their advisers and

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6.8. Banking may not use research to win banking business and are only permitted to provide research to banking clients in limited circumstances, in order to maintain research independence.

6.9. Citi Research analysts are not permitted to collaborate with Markets on the production of research reports or market commentary.

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7.3. Neither Citi Research nor any non-Citi Research personnel may offer or accept any inducement to produce favourable research or a specific rating or price target.

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8.2. Research may also be concurrently posted to various third-party aggregation platforms and may be distributed via email (subsequent to its posting). Content that is not regularly posted to non-proprietary platforms or distributed via email subscriptions will not contain changes to earnings forecasts, target price, investment or risk rating or investment thesis or be otherwise inconsistent with the author's previously published research.

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9.1. In addition to published research, Citi Research analysts are permitted to have certain communications with clients, in line with internal policies. Such communications are generally required to be consistent with an analyst's published research. A research analyst may not communicate matters that could be perceived to be of general client interest unless they have previously published it.

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| Citi Research Equity Ratings Distribution                                  |     |                 |      |     |                |      |  |
|--|-----|-----------------|------|-----|----------------|------|--|
|  |     | 12 Month Rating |      |     | Catalyst Watch |      |  |
| Data current as of 30 Sep 2020   | Buy | Hold            | Sell | Buy | Hold           | Sell |  |
| Citi Research Global Fundamental Coverage                                  | 55% | 34%             | 11%  | 22% | 68%            | 9%   |  |
| % of companies in each rating category that are investment banking clients | 65% | 62%             | 59%  | 68% | 62%            | 68%  |  |
| Citi Research Global Closed End Fund Coverage                              | 0%  | 0%              | 0%   |     |                |      |  |
| % of companies in each rating category that are investment banking clients | 0%  | 0%              | 0%   |     |                |      |  |
| Citi Research Quantitative World Radar Screen Model Coverage               | 30% | 40%             | 30%  |     |                |      |  |
| % of companies in each rating category that are investment banking clients | 38% | 36%             | 37%  |     |                |      |  |
| Citi Research Quantitative Latam Radar Screen Model Coverage               | 20% | 59%             | 21%  |     |                |      |  |
| % of companies in each rating category that are investment banking clients | 66% | 66%             | 73%  |     |                |      |  |
| Citi Research Quantitative Asia Radar Screen Model Coverage                | 20% | 60%             | 20%  |     |                |      |  |
| % of companies in each rating category that are investment banking clients | 37% | 32%             | 25%  |     |                |      |  |
| Citi Research Quantitative Australia Radar Screen Model Coverage           | 48% | 0%              | 52%  |     |                |      |  |
| % of companies in each rating category that are investment banking clients | 53% | 0%              | 40%  |     |                |      |  |
|  |     |                 |      |     |                |      |  |

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## **CONFLICTS MANAGEMENT STATEMENT - CITI RESEARCH**

#### 1. Purpose

1.1. This document has been created to:

(1) disclose organisational and administrative arrangements for the identification and management of potential conflicts of interests with respect to Citi Research, and

(2) provide clients with a summary of Citi's respective policies and procedures.

1.2. The publication of this summary of our policies is not intended to create any third-party rights or duties between Citi and such third-parties that would not exist in the absence of such publication, or to form part of any contract with any client or third-party. Detailed internal policy documents and operating procedures may not be fully represented in the summary that appears below.

## 2. Overview

2.1. Citi Research is committed to providing high-quality, objective, and unbiased research to our clients. In general, these policies apply globally because basic principles of research independence are integral to our global research product regardless of where it is distributed. However, policies may vary according to local law, regulation or custom. Our objective is to maintain the highest professional standards and principles in publishing research. The interests of our investing clients must always come first, and these policies are intended to ensure that those interests are well served.

2.2. To this end, we have policies in place to identify, consider and manage potential conflicts of interest and protect the integrity of our relationships with investing and corporate clients. Employee compliance with these policies (in addition to continuing training on their content) is mandatory. In addition, employees may not do indirectly that which they are prohibited from doing directly under these policies.

### 3. Identification of Conflicts

3.1. Citi's senior management has considered the potential conflicts of interest arising out of the provision of research and determined that these policies are sufficient to manage these potential conflicts. In particular, these policies are designed to consider potential conflicts between recipients of our research and our corporate finance clients (including issuers of investments covered by our research), our investment clients (including sales and trading customers), the trading and investment banking activities of Citi and affiliates, and the personal interests of our officers and employees. References to investment banking in this document include but are not limited to departments within Citi that advise corporate clients with respect to capital raising activities and/or mergers and acquisitions activities.
3.2. Despite procedures and policies for the identification and management of potential conflicts, Citi Research may not be aware of all such potential conflicts.

because it may not be familiar with all the interests of the recipients of research and other clients. 3.3. Mechanisms for identifying and managing potential conflicts include:

Internal guidance and training regarding the identification of possible conflicts before they arise.

Procedures to ensure that potential conflicts are escalated to the appropriate level within Citi.

(3) Legal monitoring of potential conflicts arising out of the publication of research in the period before, during and after investment banking transactions.

(4) Internal arrangements (including physical separation, Chinese walls and other information barriers) for regulating the flow of information between and within business areas.

(5) Editorial guidelines and procedures for supervisory and compliance review of research prior to publication.

(6) Employee Certification protocols to disclose personal conflicts and other personal information that could conflict with the production of independent investment research.

## 4. Structural Separation

4.1. Citi Research is part of the Citi Institutional Clients Group ("ICG"). ICG is the business unit of Citi composed of Capital Markets Origination and Corporate and Investment Banking (collectively, "Banking"), Citi Markets and Securities Services, Citi Private Bank, Citi Commercial Bank (ex. US), Citi Research, and Treasury and Trade Solutions.

4.2. The Global Head of Citi Research reports directly to the Head of Citi Global Markets. Banking senior management reports into the Chief Executive Officer of ICG.

4.3. Citi Research is physically separated from Banking by being located on different floors or segregated areas of the same floor subject to controls required by Legal/Compliance. Citi Research is also physically separated from other areas of the Firm to the extent advised by Legal/Compliance in light of local regulations and interpretations. Citi Research personnel must also use computer drives and research authoring systems that are not accessible by Banking or Markets employees.

### 5. Supervision and Remuneration of Citi Research Analysts

5.1. Compensation of Citi Research analysts is structured to align the interests of research analysts with Citi Research's investing clients and to avoid any incentive inconsistent with the provision of impartial research. As such, compensation of research analysts is determined exclusively by Citi Research management and Citi's senior management (excluding anyone from Banking or anyone who performs sales, trading or clearing activities or their direct supervisors) and is not linked to specific transactions or recommendations.

5.2. Citi Research analyst compensation is based on established criteria that include the quality and accuracy of the analyst's research and analysis. No Research analyst compensation may be based upon specific investment banking transactions or contributions to the Banking business or upon specific trading transactions or contributions to Markets' trading or clearing business. However, compensation may relate to the revenues or results of Citi as a whole (including Banking and Markets).

5.3. The Research budget and allocation of expenses is determined by Research Management and Citi's senior management (with no involvement or input from Banking or, for certain elements, from senior management engaged in trading activities). Citi Research budgets shall be determined without regards to specific revenues or results derived from Banking, though revenues and results of the firm as a whole may be considered in determining Citi Research budget and the allocation of Citi Research expenses.

5.4. Citi Research analyst feedback is controlled in order to prevent improper influence from areas of the firm where a conflict may exist. For example, research analysts classified as "CFTC Derivatives Research Analysts" must not receive feedback from Citi's business trading unit, and Banking is not permitted to provide analyst feedback.

5.5. All Citi Research reports must carry a certification from the research analyst that the views expressed accurately reflect the analyst's personal views about any and all of the subject issuer(s) or securities and that no part of their compensation was, is or will be directly or indirectly related to the specific recommendation(s) or view(s) in that report.

### 6. Involvement of analysts in other activities

6.1. Citi Research analysts are not permitted to participate in efforts to solicit investment banking business or to participate in any pitches to prospective investment banking clients.

6.2. Citi Research analysts are not permitted to participate in or attend any company or investment banking sponsored road shows related to a public offering or other investment banking transaction.

6.3. Interactions between Citi Research and Banking are permitted only if they do not compromise Citi's commitment to research independence. Email and certain other electronic communications between Banking and Equity Research are blocked, subject to limited exceptions.

6.4. Citi Research analyst participation in the capital formation process may be required during several phases of the process, including assessing potential candidates for transactions; vetting of identifiable transactions; addressing Citi internal review committees; and educating investors and sales.

6.5. Interactions between research analysts and corporates, including private companies, are a legitimate and necessary part of an analyst's ordinary course work to understand their area of coverage (including the wider sector).

6.6. Nonetheless, to comply with regulatory requirements that exist in certain regions, Citi research analyst interactions with issuers, their advisers and representatives may be restricted in order to further mitigate any perceived impairment to a research analyst's independence during the capital formation process.
6.7. It is in the interest of Citi Research's investing clients to have independent research analysts comment on potential candidates for transactions and review identifiable transactions to assess the merits of such transactions. The purpose of research vetting is to allow equity research analysts to assess the investment merits and risks; assist Citi in determining the appropriateness of transactions for investing clients; and provide input to Citi's overall view of the proposed transaction.

6.8. Banking may not use research to win banking business and are only permitted to provide research to banking clients in limited circumstances, in order to maintain research independence.

6.9. Citi Research analysts are not permitted to collaborate with Markets on the production of research reports or market commentary.

## 7. Avoiding Inappropriate Influences

7.1. Citi Research management independently makes research coverage decisions (e.g., initiating, transferring, or terminating coverage). Banking may not provide any input on or discuss the coverage of individual companies with Research. Generally, Citi Research intends to provide coverage for all equity securities underwritten by Citi (regional nuances may exist, for example depending on the role Citi takes in the transaction). Notwithstanding the foregoing, Research Management will have final discretion and responsibility with respect to all coverage decisions including taking into account, among other things, whether sufficient capacity exists to provide coverage.

7.2. Non-research personnel must never attempt to influence a research analyst's rating or opinion or any other contents of a research publication.

7.3. Neither Citi Research nor any non-Citi Research personnel may offer or accept any inducement to produce favourable research or a specific rating or price target.

7.4. Citi Research analysts shall not provide draft, written research or models to any non-Citi Research personnel (including the subject company) prior to publication, except as expressly permitted by Legal/Compliance solely for the purpose for fact checking.

7.5. All Citi employees must adhere to policy restrictions and requirements regarding personal investment activities that have been reasonably designed to prevent conflicts of interest arising between the publication of research and personal investment activity. Such measures include (but are not limited to) the predisclosure of trading accounts, monitoring and surveillance on certain personal investment activity, pre-approval requirements to trade certain instruments, and disclosure of positions that may create the perception of a conflict of interest with the research analyst's investment research coverage.

7.6. All Citi employees must seek approval for outside directorships and business interests from business management and Compliance. Such disclosures will be reviewed for actual and perceived conflicts of interest with the research analyst's investment research coverage.

## 8. Means and Timing of Publication

8.1. Research is distributed through controlled channels. Citi considers research to be broadly disseminated when posted to or made available through its global institutional and retail proprietary electronic distribution platforms (e.g., Citi Velocity and Citi Personal Wealth Management).

8.2. Research may also be concurrently posted to various third-party aggregation platforms and may be distributed via email (subsequent to its posting). Content that is not regularly posted to non-proprietary platforms or distributed via email subscriptions will not contain changes to earnings forecasts, target price, investment or risk rating or investment thesis or be otherwise inconsistent with the author's previously published research.

8.3. Certain research is made available only to institutional investors to satisfy regulatory requirements.

8.4. Sales and Trading Staff are not permitted to produce "research" (broadly meaning written communications about a security, derivative or issuer including a recommendation and a substantive analysis of the risk, rewards and opportunities present in a security or detailed analysis of issuers operations or projected earnings growth) or hold themselves out as research analysts. Written materials produced or distributed by sales and trading may not therefore contain formal ratings, company or issuer specific earnings, projections or financial forecasts, and materials and formats must be clearly distinguished from Citi Research and labelled accordingly.

## 9. Client communications and ongoing service

9.1. In addition to published research, Citi Research analysts are permitted to have certain communications with clients, in line with internal policies. Such communications are generally required to be consistent with an analyst's published research. A research analyst may not communicate matters that could be perceived to be of general client interest unless they have previously published it.

9.2. Citi Research analysts are prohibited from disclosing the proposed timing or content of research prior to its public distribution.

9.3. Except as described above in the context of fact checking investor education research, Citi Research analysts or other employees may not communicate the substance of any research prior to publication either internally (other than to the necessary Citi Research personnel and Legal/Compliance) or outside Citi. Research analysts are permitted to verify factual information with the subject company only. Additional disclosures may be made accordingly.

9.4. Client confidential information may only be shared on a need-to-know basis and to better serve the particular client.

9.5. The level and types of services provided by Citi Research analysts to clients may vary depending on various factors such as the client's individual preferences as to the frequency and manner of receiving communications from research analysts, the client's risk profile and investment focus and perspective (e.g. market-wide, sector specific, long term, short-term etc.), the size and scope of the overall client relationship with Citi and legal and regulatory constraints, and any research-client agreement that may be required under local regulation.

### 10. Disclosures

10.1. For important disclosures regarding Citi Research, including disclosures with respect to any issuers, please refer to the Citi Research disclosure website at <a href="https://www.citivelocity.com/cvr/eppublic/citi">https://www.citivelocity.com/cvr/eppublic/citi</a> research disclosures

10.2. These disclosures are principally made to disclose actual or perceived conflicts of interest at the individual and firm level, as required by numerous regulations globally. Such disclosures are made notwithstanding the structural and procedural controls that have been outlined within this document (i.e., such disclosure is <u>not</u> made as a mechanism for controlling actual or perceived conflicts of interest under the MIFID II Article 34).

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