Macro | FX Research & Strategy

Global

August 19, 2022

Maybank

FX Weekly

Interim Dollar Support Ahead of PMIs, Jackson Hole

The Week Ahead

- **Dollar – Interim Support.** Support at 106.30; Resistance at 109.30
- **USD/SGD - Sell Rallies.** Support at 1.3670; Resistance at 1.4000
- **USD/MYR - Buoyant.** Support at 4.4360; Resistance at 4.50
- **AUD/SGD - Mildly Bearish.** Support at 0.9530; Resistance at 0.9780
- **SGD/MYR - Mildly Bearish.** Support at 3.20; Resistance at 3.25

Analysts

Saktiandi Supaat
(65) 6320 1379
saktiandi@maybank.com.sg

Tan Yanxi
(65) 6320 1378
tanyx@maybank.com.sg

Fiona Lim
(65) 6320 1374
fionalim@maybank.com.sg

Dollar Still Supported Near-term

In line with our assessment in the last weekly that bets for Fed dovish tilt triggered by US Jul CPI downside surprise were likely overdone (see here), the dollar has retraced higher by around +2% this week, bringing DXY to Aug highs. On data, latest retail sales, jobless claims suggest some resilience in US consumption and labor, but Empire Mfg and housing starts data are already marking signs of softening in production activity and corners of the property market. With monetary stimulus withdrawal underway, US growth moderation could yet become more discernible in the coming months. On prices, supported-on-dips oil prices could translate to a slow grind lower in CPI readings over time, but Fed officials will likely continue to stick to the rhetoric that it's too soon to declare victory on inflation. In particular, the recent bout of equity recovery has led to some easing in financial conditions, running counter to Fed plans for modest demand destruction. On net, interim US growth resilience versus Europe and China, broadly hawkish Fedspeaks, incremental haven demand etc., could still lend support to the dollar near-term, especially with key PMIs and Jackson Hole due next week. But likelihood of DXY breaching Jul high of 109.30 could be somewhat low at this point, given that UST yields remain some distance away from recent peaks.

Our in-house model implies that S$NEER is trading at +1.10% to the implied midpoint of 1.4022, suggesting that it is modestly firmer vs. other trading partner currencies

Divergent Policy Paths—PBoC, BI, BoK

For China, focus remains on the LPR on Mon and there are wide expectations for Chinese banks to fully transmit the 10bps cut to the MLF and 7-day reverse repo to the 1Y and 5Y loan prime rates. The 1Y loan prime rates are used to price corporate loans while the 5Ys will affect mortgage rates. The unexpected slowdown in the economy was rather broad-based and PBoC could remain in easing mode as long as the economy is under pressure from zero-Covid strategy, weak property sector and more recently, power crunch in Sichuan and Chongqing that is halting factory operations. For BI, decision is due Tues but Governor Warjiyo said yesterday that there is no need to rush into raising rates, with subsidies and price caps keeping inflation somewhat manageable. For BoK, decision is due Thurs and we cannot rule out +50bps given recent KRW softening and elevated Jul CPI (6.3% vs. 6.0% prior), but BoK comments on larger hikes not becoming new norm suggest that a more measured +25bps hike is likely.

Key Data/Events Due Next Week

Key data we watch next week include US Chicago Fed Nat. Activity index (Jul) and China's LPRs on Mon. Tue brings prelim. Svc and Mfg PMI from JN, AU, Europe, US, etc., SG CPI and BI policy decision. Wed has Fed Kashkari speaking along with US durable goods order and pending home sales. Jackson hole forum dominates towards the end of next week (25-27 Aug). Thu has US and GE 2Q GDP, Kansas Fed Mfg activity (Aug), ECB's account of Jul meeting. Fri has PCE Core, SG IP and MY CPI.

SEE PAGE 8 FOR IMPORTANT DISCLOSURES AND ANALYST CERTIFICATIONS

Currency	Direction	Support/Resistance	Key Data and Events
Dollar Index	→	S: 106.30; R: 109.30	**Mon:** Chicago Fed Nat Activity Index (Jul) **Tue:** Prelim. Mfg, Services, Composite PMI (Jul), new home sales (Jul) **Wed:** Fed Kashkari speaks; durable goods order (Jul P); pending home sales (Jul) **Thu:** Weekly jobless claims; GDP (2Q); Kansas Fed Mfg Activity (Aug); Annual Jackson Hole Forum (25-27 Aug) **Fri:** Personal income, personal spending (Jul), PCE Core Deflator (Jul), Powell discusses Economic Outlook; Univ. of Mich. Sentiment (Aug)
EURUSD	→	S: 0.9950; R: 1.0280	**Mon:** - Nil - **Tue:** Prelim. Mfg, Services, Composite PMI (Aug); ECB Panetta speaks **Wed:** - Nil - **Thu:** GE GDP (2Q); FR business confidence (Aug); GE IFO business survey (Aug); ECB publishes Account of Jul Policy Meeting **Fri:** GE GfK Consumer confidence (Sep); FR Consumer confidence (Aug)
AUDUSD	→	S: 0.6790; R: 0.7060	**Mon:** - Nil - **Tue:** Prelim. Mfg, Services, Composite PMI (Aug) **Wed:** - Nil - **Thu:** - Nil - **Fri:** - Nil -
NZDUSD	→	S: 0.6060; R: 0.6310	**Mon:** - Nil - **Tue:** - Nil - **Wed:** - Nil - **Thu:** Retail sales ex inflation (2Q) **Fri:** ANZ consumer confidence (Aug)
GBPUSD	→	S: 1.1760; R: 1.2270	**Mon:** - Nil - **Tue:** Prelim. Mfg, Services, Composite PMI (Aug) **Wed:** - Nil - **Thu:** - Nil - **Fri:** - Nil -
USDJPY	→	S: 133.00; R: 139.40	**Mon:** - Nil - **Tue:** Prelim. Mfg, Services, Composite PMI (Aug) **Wed:** BoJ Outright Bond purchases **Thu:** BoJ Board Nakamura Speech in Fukuoka **Fri:** Tokyo CPI (Aug)
USDCNH	→	S: 6.7675; R: 6.8570	**Mon:** 1Y, 5Y LPRs **Tue:** - Nil - **Wed:** - Nil - **Thu:** - Nil - **Fri:** - Nil - **Sat:** Industrial Profits (Jul)
USDSGD	→	S: 1.3670; R: 1.4000	**Mon:** - Nil - **Tue:** CPI (Jul) **Wed:** - Nil - **Thu:** - Nil - **Fri:** Industrial Production (Jul)
USDMYR	→	S: 4.4360; R: 4.5000	**Mon:** - Nil - **Tue:** - Nil - **Wed:** - Nil - **Thu:** - Nil - **Fri:** CPI (Jul)
USDPHP	→	S: 55.35; R: 56.45	**Mon:** BoP (Jul) due 19-23 Aug **Tue:** - Nil - **Wed:** - Nil - **Thu:** - Nil - **Fri:** - Nil -
USDIDR	→	S: 14,670; R: 15,040	**Mon:** - Nil - **Tue: BI Policy Decision** **Wed:** - Nil - **Thu:** - Nil - **Fri:** - Nil -

Sources: Bloomberg, Maybank FX Research & Strategy

Selected G7 FX Views

Currency	*Stories of the Week*
DXY Index	***Interim Support; Fade Rallies.*** The DXY index continued to see net upward pressures. It has retraced higher by around +2% this week, bringing DXY to Aug highs. Aside from broadly hawkish Fedspeaks, geopolitical concerns likely provided incremental support for the dollar in the latter part of this week. We note reports of Xi, Putin's potential appearance at G20 in Nov (i.e., confrontation risks with Western leaders) as well as North Korea's rejection of South Korea's aid-for-denuclearization offer. While these are unlikely to be strong risk-off triggers, some profit-taking activity could also be in play ahead of key PMI releases and Jackson Hole next week. Softer-than-expected activity readings or hawkish undertones from Powell could potentially exacerbate global growth concerns; i.e., dollar supportive. On data, latest retail sales, jobless claims suggest some resilience in US consumption and labor, but Empire Mfg and housing starts data are already marking signs of softening in production activity and corners of the property market. With monetary stimulus withdrawal underway, US growth moderation could yet become more discernible in the coming months. On prices, supported-on-dips oil prices could translate to a slow grind lower in CPI readings over time, but Fed officials will likely continue to stick to the rhetoric that it's too soon to declare victory on inflation. In particular, the recent bout of equity recovery has led to some easing in financial conditions, running counter to Fed plans for modest demand destruction. On net, interim US growth resilience versus Europe and China, broadly hawkish Fedspeaks, incremental haven demand etc., could still lend support to the dollar near-term, but likelihood of DXY breaching Jul high of 109.30 could be somewhat low at this point, given that UST yields remain some distance away from recent peaks. Bias to sell DXY rallies. Back on the chart, the DXY index was last seen around 107.70. Resistance levels now seen around 108.20 before 109.30 (2022-high). Support levels remain at the 21-DMA (106.30) and 100-DMA (104.10). *Next week brings Chicago Fed Nat Activity Index (Jul) on Mon; Tue has Prelim. Mfg, Services, Composite PMI (Jul), new home sales (Jul); Wed has Fed Kashkari speaks; durable goods order (Jul P); pending home sales (Jul); Thu has Weekly jobless claims; GDP (2Q); Kansas Fed Mfg Activity (Aug); Annual Jackson Hole Forum (25-27 Aug); Fri has Personal income, personal spending (Jul), PCE Core Deflator (Jul), Powell to speak on Economic Outlook; Univ. of Mich. Sentiment (Aug).*
EUR/USD	***Gains Likely Constrained***. Pair headed lower this week alongside bouts of broader dollar strength. Into next week, we are bracing for another set of PMI prints that could portend further weakness in European activity as energy shortages have forced more manufacturers to halt operations. Apart from low NG supply from Russia that has driven the Dutch natural gas futures to EUR241/mwh at last seen, supply disruptions tied to transport challenges at the Rhine add to sentiment drags. Water-level of the narrow and shallow point of the Rhine river, at Kaub is projected to creep up to 67cm by 22 Aug from current 36cm as Germany forecasts rainfall. Barges need 40cm of water depth to transit there economically. However, there are also expectations for water levels to fall again thereafter as the temperature rises again. As such, relief may be temporary and coal shipments may continue to face weather-related hurdles. On a brighter note, there are signs that earlier drags from Italian political troubles could be easing a tad. I.e., even if brothers of Italy (leading in polls) gains more prominence in Italian government after the snap elections on 25 Sep, there are signs that they will deviate from their Eurosceptic roots and avoid disrupting broader EU policy prongs. I.e., they might be a bit more of a team-player on the EU stage and stick along with supporting Ukraine against Russia, supporting reforms required to unlock European funding, discard previous talk of leaving the Euro etc. But on the other hand, any EUR recovery could still be somewhat constrained, given that that abovementioned energy crunches across the continent would likely dampen interim growth sentiments. EURUSD pair remains largely within the falling trend channel. Resistance remains at 1.0280 (marked by the 50-DMA) and support is seen around par, before 0.9950 (Jul low).

Next week brings Prelim. Mfg, Services, Composite PMI (Aug) from the Euro-area bloc. ECB Panetta speaks on Tue. Thu has GE GDP (2Q); FR business confidence (Aug); GE IFO business survey (Aug); ECB publishes Account of Jul Policy Meeting. Fri has GE GfK Consumer confidence (Sep); FR Consumer confidence (Aug).

GBP/USD ***Falling Trend Channel Intact***. GBP continues to be weighed by dollar bounce, record-low UK consumer confidence (that are below levels seen during major recessions) according to the measures of GfK, with outlook for personal finances falling the most. Consumers are increasingly concerned about rising inflation and the risk of recession.

Despite 2Q (P) GDP coming in slightly higher than expected at 2.9%y/y. In sequential terms, it was a slight sequential contraction (-0.1%q/q) versus the modest gain (+0.8%q/q) in the prior quarter. Monthly indicators suggest a broader slowdown in various activity categories, including in services, manufacturing and construction. Risks of UK entering recession by year-end remains significant. Meanwhile, all eyes remain trained on the two candidates vying for Tory leadership (UK premiership); Truss currently leading Sunak by wide margin. Truss' recent calls for review of BoE mandate could be additional risk for GBP.

Back on the GBPUSD chart, support remains at 1.1890, 1.1760. Resistance at 1.2270 before the next at 1.2370 (100-DMA). Potentially more room for cable to decline further within the falling trend channel.

Next week brings Prelim. Mfg, Services, Composite PMI (Aug) on Tue.

USDJPY ***Pressured Higher by Dollar, UST Yields***. Pair saw significant upside pressures this week, emanating from broader dollar strength and buoyant UST yields. Aside from broadly hawkish Fedspeaks, geopolitical concerns likely provided incremental support for the dollar towards the latter part of the week. We note reports of Xi, Putin's potential appearance at G20 in Nov as well as North Korea's rejection of South Korea's aid-for-denuclearization offer. Interim haven appeal of JPY (vs. USD) could be diminished alongside recently-wide trade deficits.

But on a forward-looking note though, more two-way swings in UST yields after recent run-up, signs of easing in energy import burden given recent oil decline etc., can help relieve upward pressures on the pair. Japan Jul inflation came in at 2.6%y/y, on par with expectations and slightly higher than 2.4% prior. The ex-fresh food and energy reading also inched higher to 1.2% from 1.0% prior. Continued signs of rising CPI domestically can potentially revive bets for a more hawkish tilt from BoJ over time.

On technicals, momentum on daily chart has turned slight bullish; RSI is also creeping higher. Wider two-way moves may be seen in the interim, with bias to lean against strength in pair. Support at 134.50 (38.2% fibo retracement from May low to Jul high), 133.00 (50.0% fibo), 131.45 (61.8% fibo). Resistance nearby at 136.40 (23.6% fibo) is being tested as we write; next some way off at 139.40 (Jul high).

Next week brings Prelim. Mfg, Services, Composite PMI (Aug) on Tue. Wed has BoJ Outright Bond purchases Thu: BoJ Board Nakamura Speech in Fukuoka. Fri has Tokyo CPI (Aug).

AUD/USD ***Bearish Skew***. AUDUSD slid for most of the week and was last seen around 0.6910. Aside from broader dollar strength, we also note lingering effects from weaker-than-expected labour report/wage growth released earlier this week. Concerns on global growth slowdown and signs of softening demand conditions at home could continue to weigh on pro-cyclical AUD in the near-term.

On the daily chart, bullish momentum has waned and stochastics are falling from overbought conditions. Support at 0.6830 could be tested, before next at 0.6790. Risks are now tilted to the downside for AUDUSD. Resistance around 0.6980 (21-dma) before the next at 0.7060 (100-dma).

Next week brings Prelim. Mfg, Services, Composite PMI (Aug) on Tue.

NZD/USD ***Mild Bearish***. RBNZ hiked by +50bps to 3.00% as expected on 17 Aug, maintaining pace for a fourth straight meeting, and in effect leading the global pack in policy normalization. It assesses that the OCR could hit 3.69% by end-2022 before peaking around 4.1% in 2Q next year (higher than prior forecast). NZD initially saw some support from adjustments in expectations for peak RBNZ rate but this was more than offset by broader dollar strength.

On the daily chart, momentum has turned mild bearish while RSI is dipping lower. Support at 0.6160

(76.4% fibo retracement from Jul low to Aug high), 0.6060 (Jul low). Resistance at 0.6310 (38.2% fibo), 0.6400 (100-DMA).

Next week brings Retail sales ex inflation (2Q) on Thu. Fri has ANZ consumer confidence (Aug).

Technical View: MYR Crosses

MYR Crosses	Direction	Support/Resistance	Stories of the Week
SGD/MYR		S: 3.2000; R: 3.2500	**Mild Bearish**. SGDMYR was last at 3.2250 levels. Cross has been retracing lower from highs near 3.25, in line with our caution for downside risks. Momentum on daily chart has turned mild bearish, while RSI is dipping lower from overbought conditions. Support at 3.2265 (23.6% fibo retracement from Jul low to Aug high) is being tested, next at 3.1980 (50.0% fibo), 3.1860 (61.8% fibo). Key resistance at 3.25 levels, before next some way off at 3.30.
AUD/MYR		S: 3.0510; R: 3.1240	**Mild Bearish.** AUDMYR was last seen near 3.09 levels. Momentum on daily chart has turned mild bearish while RSI is on the dip. Support at 3.0730 (50.0% fibo retracement from Sep low to Aug high), 3.0510 (61.8% fibo). Resistance at 3.0960 (76.4% fibo), 3.1240 (23.6% fibo), 3.1690 (Aug high).
EUR/MYR		S: 4.4380; R: 4.5810	**Bullish Momentum Moderated.** EURMYR headed lower on net over the past week. Last seen at 4.5155 levels. Bullish momentum on daily chart has largely moderated while RSI is showing tentative signs of dipping lower. Support at 4.5055 (23.6% fibo retracement from Jun high to Jul low), 4.4380 (Jul low). Resistance at 4.5470 (38.2% fibo), 4.5810 (50.0% fibo), 4.6150 (61.8% fibo).
GBP/MYR		S: 5.2410; R: 5.4140	**Cautious of Further Pullback.** GBPMYR swung lower over the last week, in line with our caution in the last weekly. Cross was last seen at 5.3230 levels. Momentum and RSI on daily chart has turned mild bearish. Support at 5.2945 (76.4% fibo retracement from Jul low to Aug high), 5.2410 (Jul low). Resistance at 5.3540 (50.0% fibo), 5.4140 (23.6% fibo).
JPY/MYR		S: 3.2420; R: 3.3620	**Mild Bearish.** JPYMYR headed lower alongside significant JPY softening this week. Cross was last at 3.2810 levels. Daily momentum has turned mild bearish while RSI is dipping lower. Resistance at 3.3020 (50.0% fibo retracement from Jul low to Aug high); 3.3290 (38.2% fibo), 3.3620 (23.6% fibo). Support nearby at 3.2750 (61.8% fibo), before 3.2420 (76.4% fibo), 3.1880 (Jul low).

Technical Chart Picks:

USDSGD Daily Chart – Momentum Turned Modestly Bullish

USDSGD found support around 1.3660 (May low) late last week, and has been on a sharp upswing since.

Momentum has turned modestly bullish, while RSI has bounced higher from oversold conditions.

Pair is testing resistance at 1.3880 (50.0% fibo retracement from May low to Jul high) as we write, and preference is to lean against strength gradually. Besides 1.3880, next resistance at 1.40 (23.6% fibo). Support at 1.3770 (76.4% fibo), 1.3670 (May low).

USDMYR Daily Chart – Buoyant But Overbought; Gains Could Slow

Pair was last seen just below 4.48 levels, continuing to push higher against a backdrop of broader dollar recovery.

Momentum on daily chart is not showing a clear bias while RSI has reached overbought conditions. Gains could slow.

Support at 4.4360 (50-DMA), 4.3770 (100-DMA). Resistance at 4.50 (2017 high).

Note: blue line – 21SMA; red line – 50 SMA; green line – 100 SMA; yellow line – 200 SMA

SGDMYR Daily Chart: Dipping from Overbought Conditions

Note: blue line – 21SMA; red line – 50 SMA; green line - 100 SMA; yellow line - 200 SMA

SGDMYR was last at 3.2265 levels, having dipped steadily lower over the course of the past week.

Cross has been retracing lower from highs near 3.25, in line with our caution for downside risks.

Momentum on daily chart has turned mild bearish, while RSI is dipping lower from overbought conditions. Support at 3.2265 (23.6% fibo retracement from Jul low to Aug high) is being tested as we write; next at 3.1980 (50.0% fibo), 3.1860 (61.8% fibo). Key resistance at 3.25 levels, before next some way off at 3.30.

DISCLAIMER

This report is for information purposes only and under no circumstances is it to be considered or intended as an offer to sell or a solicitation of an offer to buy the securities or financial instruments referred to herein, or an offer or solicitation to any person to enter into any transaction or adopt any investment strategy. Investors should note that income from such securities or financial instruments, if any, may fluctuate and that each security's or financial instrument's price or value may rise or fall. Accordingly, investors may receive back less than originally invested. Past performance is not necessarily a guide to future performance. This report is not intended to provide personal investment advice and does not take into account the specific investment objectives, the financial situation and the particular needs of persons who may receive or read this report. Investors should therefore seek financial, legal and other advice regarding the appropriateness of investing in any securities and/or financial instruments or the investment strategies discussed or recommended in this report.

The information contained herein has been obtained from sources believed to be reliable but such sources have not been independently verified by Malayan Banking Berhad and/or its affiliates and related corporations (collectively, "Maybank") and consequently no representation is made as to the accuracy or completeness of this report by Maybank and it should not be relied upon as such. Accordingly, no liability can be accepted for any direct, indirect or consequential losses or damages that may arise from the use or reliance of this report. Maybank and its officers, directors, associates, connected parties and/or employees may from time to time have positions or be materially interested in the securities and/or financial instruments referred to herein and may further act as market maker or have assumed an underwriting commitment or deal with such securities and/or financial instruments and may also perform or seek to perform investment banking, advisory and other services for or relating to those companies whose securities are mentioned in this report. Any information or opinions or recommendations contained herein are subject to change at any time, without prior notice.

This report may contain forward looking statements which are often but not always identified by the use of words such as "anticipate", "believe", "estimate", "intend", "plan", "expect", "forecast", "predict" and "project" and statements that an event or result "may", "will", "can", "should", "could" or "might" occur or be achieved and other similar expressions. Such forward looking statements are based on assumptions made and information currently available to us and are subject to certain risks and uncertainties that could cause the actual results to differ materially from those expressed in any forward looking statements. Readers are cautioned not to place undue relevance on these forward looking statements. Maybank expressly disclaims any obligation to update or revise any such forward looking statements to reflect new information, events or circumstances after the date of this publication or to reflect the occurrence of unanticipated events.

This report is prepared for the use of Maybank's clients and may not be reproduced, altered in any way, transmitted to, copied or distributed to any other party in whole or in part in any form or manner without the prior express written consent of Maybank. Maybank accepts no liability whatsoever for the actions of third parties in this respect. This report is not directed to or intended for distribution to or use by any person or entity who is a citizen or resident of or located in any locality, state, country or other jurisdiction where such distribution, publication, availability or use would be contrary to law or regulation.

Published by:

Malayan Banking Berhad
(Incorporated in Malaysia)

Saktiandi Supaat	Fiona Lim	Yanxi Tan
Head, FX Research	Senior FX Strategist	FX Strategist
saktiandi@maybank.com.sg	Fionalim@maybank.com.sg	tanyx@maybank.com.sg
(+65) 63201379	(+65) 63201374	(+65) 63201378

APPENDIX I: TERMS FOR PROVISION OF REPORT, DISCLAIMERS AND DISCLOSURES

DISCLAIMERS

This research report is prepared for general circulation and for information purposes only and under no circumstances should it be considered or intended as an offer to sell or a solicitation of an offer to buy the securities referred to herein. Investors should note that values of such securities, if any, may fluctuate and that each security's price or value may rise or fall. Opinions or recommendations contained herein are in form of technical ratings and fundamental ratings. Technical ratings may differ from fundamental ratings as technical valuations apply different methodologies and are purely based on price and volume-related information extracted from the relevant jurisdiction's stock exchange in the equity analysis. Accordingly, investors' returns may be less than the original sum invested. Past performance is not necessarily a guide to future performance. This report is not intended to provide personal investment advice and does not take into account the specific investment objectives, the financial situation and the particular needs of persons who may receive or read this report. Investors should therefore seek financial, legal and other advice regarding the appropriateness of investing in any securities or the investment strategies discussed or recommended in this report.

The information contained herein has been obtained from sources believed to be reliable but such sources have not been independently verified by Maybank Investment Bank Berhad, its subsidiary and affiliates (collectively, "Maybank IBG") and consequently no representation is made as to the accuracy or completeness of this report by Maybank IBG and it should not be relied upon as such. Accordingly, Maybank IBG and its officers, directors, associates, connected parties and/or employees (collectively, "Representatives") shall not be liable for any direct, indirect or consequential losses or damages that may arise from the use or reliance of this report. Any information, opinions or recommendations contained herein are subject to change at any time, without prior notice.

This report may contain forward looking statements which are often but not always identified by the use of words such as "anticipate", "believe", "estimate", "intend", "plan", "expect", "forecast", "predict" and "project" and statements that an event or result "may", "will", "can", "should", "could" or "might" occur or be achieved and other similar expressions. Such forward looking statements are based on assumptions made and information currently available to us and are subject to certain risks and uncertainties that could cause the actual results to differ materially from those expressed in any forward looking statements. Readers are cautioned not to place undue relevance on these forward-looking statements. Maybank IBG expressly disclaims any obligation to update or revise any such forward looking statements to reflect new information, events or circumstances after the date of this publication or to reflect the occurrence of unanticipated events.

Maybank IBG and its officers, directors and employees, including persons involved in the preparation or issuance of this report, may, to the extent permitted by law, from time to time participate or invest in financing transactions with the issuer(s) of the securities mentioned in this report, perform services for or solicit business from such issuers, and/or have a position or holding, or other material interest, or effect transactions, in such securities or options thereon, or other investments related thereto. In addition, it may make markets in the securities mentioned in the material presented in this report. One or more directors, officers and/or employees of Maybank IBG may be a director of the issuers of the securities mentioned in this report to the extent permitted by law.

This report is prepared for the use of Maybank IBG's clients and may not be reproduced, altered in any way, transmitted to, copied or distributed to any other party in whole or in part in any form or manner without the prior express written consent of Maybank IBG and Maybank IBG and its Representatives accepts no liability whatsoever for the actions of third parties in this respect.

This report is not directed to or intended for distribution to or use by any person or entity who is a citizen or resident of or located in any locality, state, country or other jurisdiction where such distribution, publication, availability or use would be contrary to law or regulation. This report is for distribution only under such circumstances as may be permitted by applicable law. The securities described herein may not be eligible for sale in all jurisdictions or to certain categories of investors. Without prejudice to the foregoing, the reader is to note that additional disclaimers, warnings or qualifications may apply based on geographical location of the person or entity receiving this report.

Malaysia

Opinions or recommendations contained herein are in the form of technical ratings and fundamental ratings. Technical ratings may differ from fundamental ratings as technical valuations apply different methodologies and are purely based on price and volume-related information extracted from Bursa Malaysia Securities Berhad in the equity analysis.

Singapore

This report has been produced as of the date hereof and the information herein may be subject to change. Maybank Research Pte. Ltd. ("MRPL") in Singapore has no obligation to update such information for any recipient. For distribution in Singapore, recipients of this report are to contact MRPL in Singapore in respect of any matters arising from, or in connection with, this report. If the recipient of this report is not an accredited investor, expert investor or institutional investor (as defined under Section 4A of the Singapore Securities and Futures Act), MRPL shall be legally liable for the contents of this report, with such liability being limited to the extent (if any) as permitted by law.

Thailand

Except as specifically permitted, no part of this presentation may be reproduced or distributed in any manner without the prior written permission of Maybank Securities (Thailand) Public Company Limited. Maybank Securities (Thailand) Public Company Limited ("MST") accepts no liability whatsoever for the actions of third parties in this respect.

Due to different characteristics, objectives and strategies of institutional and retail investors, the research products of MST Institutional and Retail Research departments may differ in either recommendation or target price, or both. MST reserves the rights to disseminate MST Retail Research reports to institutional investors who have requested to receive it. If you are an authorised recipient, you hereby tacitly acknowledge that the research reports from MST Retail Research are first produced in Thai and there is a time lag in the release of the translated English version.

The disclosure of the survey result of the Thai Institute of Directors Association ("IOD") regarding corporate governance is made pursuant to the policy of the Office of the Securities and Exchange Commission. The survey of the IOD is based on the information of a company listed on the Stock Exchange of Thailand and the market for Alternative Investment disclosed to the public and able to be accessed by a general public investor. The result, therefore, is from the perspective of a third party. It is not an evaluation of operation and is not based on inside information. The survey result is as of the date appearing in the Corporate Governance Report of Thai Listed Companies. As a result, the survey may be changed after that date. MST does not confirm nor certify the accuracy of such survey result.

The disclosure of the Anti-Corruption Progress Indicators of a listed company on the Stock Exchange of Thailand, which is assessed by Thaipat Institute, is made in order to comply with the policy and sustainable development plan for the listed companies of the Office of the Securities and Exchange Commission. Thaipat Institute made this assessment based on the information received from the listed company, as stipulated in the form for the assessment of Anti-corruption which refers to the Annual Registration Statement (Form 56-1), Annual Report (Form 56-2), or other relevant documents or reports of such listed company. The assessment result is therefore made from the perspective of Thaipat Institute that is a third party. It is not an assessment of operation and is not based on any inside information. Since this assessment is only the assessment result as of the date appearing in the assessment result, it may be changed after that date or when there is any change to the relevant information. Nevertheless, MST does not confirm, verify, or certify the accuracy and completeness of the assessment result.

US

This third-party research report is distributed in the United States ("US") to Major US Institutional Investors (as defined in Rule 15a-6 under the Securities Exchange Act of 1934, as amended) only by Maybank Securities USA Inc ("MSUS"), a broker-dealer registered in the US (registered under Section 15 of the Securities Exchange Act of 1934, as amended). All responsibility for the distribution of this report by MSUS in the US shall be borne by MSUS. This report is not directed at you if Maybank IBG is prohibited or restricted by any legislation or regulation in any jurisdiction from making it available to you. You should satisfy yourself before reading it that MSUS is permitted to provide research material concerning investments to you under relevant legislation and regulations. All U.S. persons receiving and/or accessing this report and wishing to effect transactions in any security mentioned within must do so with: Maybank Securities USA Inc. 400 Park Avenue, 11th Floor, New York, New York 10022, 1-(212) 688-8886 and not with, the issuer of this report.

UK

This document is being distributed by Maybank Securities (London) Ltd ("MSUK") which is authorized and regulated, by the Financial Conduct Authority and is for Informational Purposes only. This document is not intended for distribution to anyone defined as a Retail Client under the Financial Services and Markets Act 2000 within the UK. Any inclusion of a third party link is for the recipients convenience only, and that the firm does not take any responsibility for its comments or accuracy, and that access to such links is at the individuals own risk. Nothing in this report should be considered as constituting legal, accounting or tax advice, and that for accurate guidance recipients should consult with their own independent tax advisers.

DISCLOSURES

Legal Entities Disclosures

Malaysia: This report is issued and distributed in Malaysia by Maybank Investment Bank Berhad (15938- H) which is a Participating Organization of Bursa Malaysia Berhad and a holder of Capital Markets and Services License issued by the Securities Commission in Malaysia. **Singapore:** This report is distributed in Singapore by MRPL (Co. Reg No 198700034E) which is regulated by the Monetary Authority of Singapore. **Indonesia:** PT Maybank Sekuritas Indonesia ("PTMSI") (Reg. No. KEP-251/PM/1992) is a member of the Indonesia Stock Exchange and is regulated by the Financial Services Authority (Indonesia). **Thailand:** MST (Reg. No.0107545000314) is a member of the Stock Exchange of Thailand and is regulated by the Ministry of Finance and the Securities and Exchange Commission. **Philippines:** Maybank Securities Inc (Reg. No.01-2004-00019) is a member of the Philippines Stock Exchange and is regulated by the Securities and Exchange Commission. **Vietnam:** Maybank Securities Limited (License Number: 117/GP-UBCK) is licensed under the State Securities Commission of Vietnam. **Hong Kong:** MIB Securities (Hong Kong) Limited (Central Entity No AAD284) is regulated by the Securities and Futures Commission. **India:** MIB Securities India Private Limited ("MIBSI") is a participant of the National Stock Exchange of India Limited and the Bombay Stock Exchange and is regulated by Securities and Exchange Board of India ("SEBI") (Reg. No. INZ000010538). MIBSI is also registered with SEBI as Category 1 Merchant Banker (Reg. No. INM 000011708) and as Research Analyst (Reg No: INH000000057) **US:** Maybank Securities USA Inc is a member of/and is authorized and regulated by the FINRA – Broker ID 27861. **UK:** Maybank Securities (London) Ltd (Reg No 2377538) is authorized and regulated by the Financial Conduct Authority.

Disclosure of Interest

Malaysia: Maybank IBG and its Representatives may from time to time have positions or be materially interested in the securities referred to herein and may further act as market maker or may have assumed an underwriting commitment or deal with such securities and may also perform or seek to perform investment banking services, advisory and other services for or relating to those companies.

Singapore: As of 19 August 2022, Maybank Research Pte. Ltd. and the covering analyst do not have any interest in any companies recommended in this research report.

Thailand: MST may have a business relationship with or may possibly be an issuer of derivative warrants on the securities /companies mentioned in the research report. Therefore, Investors should exercise their own judgment before making any investment decisions. MST, its associates, directors, connected parties and/or employees may from time to time have interests and/or underwriting commitments in the securities mentioned in this report.

Hong Kong: As of 19 August 2022, MIB Securities (Hong Kong) Limited and the authoring analyst do not have any interest in any companies recommended in this research report.

India: As of 19 August 2022, and at the end of the month immediately preceding the date of publication of the research report, MIBSI, authoring analyst or their associate / relative does not hold any financial interest or any actual or beneficial ownership in any shares or having any conflict of interest in the subject companies except as otherwise disclosed in the research report.

In the past twelve months MIBSI and authoring analyst or their associate did not receive any compensation or other benefits from the subject companies or third party in connection with the research report on any account what so ever except as otherwise disclosed in the research report.

Maybank IBG may have, within the last three years, served as manager or co-manager of a public offering of securities for, or currently may make a primary market in issues of, any or all of the entities mentioned in this report or may be providing, or have provided within the previous 12 months, significant advice or investment services in relation to the investment concerned or a related investment and may receive compensation for the services provided from the companies covered in this report.

OTHERS

Analyst Certification of Independence

The views expressed in this research report accurately reflect the analyst's personal views about any and all of the subject securities or issuers; and no part of the research analyst's compensation was, is or will be, directly or indirectly, related to the specific recommendations or views expressed in the report.

Reminder

Structured securities are complex instruments, typically involve a high degree of risk and are intended for sale only to sophisticated investors who are capable of understanding and assuming the risks involved. The market value of any structured security may be affected by changes in economic, financial and political factors (including, but not limited to, spot and forward interest and exchange rates), time to maturity, market conditions and volatility and the credit quality of any issuer or reference issuer. Any investor interested in purchasing a structured product should conduct its own analysis of the product and consult with its own professional advisers as to the risks involved in making such a purchase.