

FX Weekly

Balance Sheet Normalisation Fears Gradually Coming into Focus

The Week Ahead

- **Dollar Index - Fade.** Support at 94.50; Resistance at 96.90
- **USD/SGD - Sideways.** Support at 1.3540; Resistance at 1.3680
- **USD/MYR - Pullback.** Support at 4.1850; Resistance at 4.2160
- **AUD/SGD - Downside.** Support at 0.9590; Resistance at 0.9850
- **SGD/MYR - Sideways.** Support at 3.0850; Resistance at 3.1020

From Policy Rate Normalisation to Quantitative Tightening

FX markets started the new year on a cautious footing. USD strength was particularly pronounced vs. high beta FX including commodity-linked proxy FX (such as AUD, NZD) and AXJss (such as KRW, MYR and IDR). Omicron variant spread affecting medical capacity in US, UK, KR and tighter restrictions in some jurisdictions like HK, Korea was one factor but a major factor undermining risk sentiment was emerging fears of faster pace of Fed tightening as seen from recently published FoMC minutes. Markets are now facing a potential shift towards quantitative tightening (QT) or balance sheet normalisation from an era of QE taper, policy normalisation. Looking on there are a number of US data releases coming up, including payrolls (tonight) and for next week, CPI (Wed), PPI (Thu) and retail sales, industrial production (Fri) - that could influence USD direction and broad market sentiment. For US payrolls tonight (930pm SG/KL time), markets are looking for further improvement in labor market. In particular for NFP to pick up pace to +433k (vs. +210k prior), average hourly earnings to tick up sequentially to 0.4% m/m (vs. 0.3% prior) and for unemployment rate to fall further to 4.1% (vs. 4.2% prior). Stronger data reinforces expectations for Fed to front-load rate hikes and QT. This could further undermine sentiments and put a bid on USD while data in line with estimates or softer than expected can bring some relief. Nevertheless, we opined that with a hawkish Fed more or less priced, there may be somewhat limited room for USD bulls. For USDSGD we look for sideways trade in 1.3540 - 1.3680 with USD a likely driver while for USDMYR, we see some room for pullback towards 4.1850.

Fed Urgency to Tighten Un-Nerves Sentiments

FoMC minutes revealed that officials are potentially contemplating with a faster pace of policy rate normalisation given the speed of economic recovery as it also stressed on the importance of being flexible. The minutes also showed there was broad support for Fed to begin reducing the size of its balance sheet after the first interest rate increase with some officials saying that such a move could happen "relatively soon". In sum, the FoMC minutes exudes urgency on policy normalisation as inflation is running much higher than what Fed officials have earlier anticipated while labour market conditions are largely consistent with Fed's goals. Markets are now shifting its expectations for first rate hike to come as early as Mar (when bond purchase ends) or at the May FoMC. YTD, 2y UST yield has risen 15bps to 0.87% (nearing 2-year high).

US, China Inflation; US Activity Data; China Trade Next Week

Key data we watch next week include Malaysia IP; AU building approvals; EU unemployment rate on Mon. For Tue, AU trade, retail sales. For Wed, US CPI; EU IP; China CPI, PPI. For Thu, US PPI; NZ building permits. For Fri, US IP, retail sales, Uni of Michigan sentiment; German GDP; French CPI; UK IP; China trade.

Analysts

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

Christopher Wong
(65) 6320 1347
wongkl@maybank.com.sg

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

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

Our in-house model implies that S\$NEER is trading at +0.79% to the implied midpoint of 1.3747, suggesting that it is firmer vs. other trading partner currencies.

Bloomberg FX Ranking

2Q 2021












No. 2 for CNH
No. 3 for TWD, SGD, CAD
No. 5 for CNY
No. 10 for GBP

3Q 2021

No. 1 for VND
No. 3 for TWD

4Q 2021

No. 4 for TWD
No. 5 for CNY

Currency	Direction	Support/Resistance	Key Data and Events
Dollar Index		S: 94.50; R: 96.90	Mon: Wholesale trade sales (Nov); Tue: NFIB Small business optimism (Dec); Wed: CPI, real avg weekly earnings (Dec); Thu: PPI (Dec); Fed's Beige book; Fri: Retail sales, industrial production, import, export prices (Dec); Uni of Mich sentiment (Jan)
EURUSD		S: 1.1220; R: 1.1400	Mon: Sentix investor confidence (Jan); unemployment rate (Nov); Tue: - Nil - Wed: Industrial production (Nov); Thu: - Nil - Fri: Trade (Nov); German GDP (2021); French CPI (Dec)
AUDUSD		S: 0.7000; R: 0.7280	Mon: Building approvals (Nov); FX Reserves (Dec); Tue: Trade, retail sales (Nov); Wed: - Nil - Thu: - Nil - Fri: - Nil -
NZDUSD		S: 0.6700; R: 0.6900	Mon: - Nil - Tue: - Nil - Wed: Commodity price (Dec); Thu: Building permits (Nov) Fri: - Nil -
GBPUSD		S: 1.3420; R: 1.3620	Mon: - Nil - Tue: BRC sales (Dec); unit labor costs (3Q); Wed: - Nil - Thu: RICS House price balance (Dec); Fri: Monthly GDP, IP, construction output, Trade (Nov)
USDJPY		S: 114.50; R: 118.00	Mon: - Nil - Tue: Leading, coincident index (Nov) Wed: Current account (Nov) Thu: Machine tool orders (Dec); Fri: PPI (Dec)
USDCNH		S: 6.3500; R: 6.4000	Mon: - Nil - Tue: - Nil - Wed: CPI, PPI (Dec); Thu: - Nil - Fri: Trade (Dec)
USDSGD		S: 1.3550; R: 1.3750	Mon: - Nil - Tue: - Nil - Wed: - Nil - Thu: - Nil - Fri: - Nil -
USDMYR		S: 4.1850; R: 4.2160	Mon: Industrial production (Nov) Tue: - Nil - Wed: - Nil - Thu: - Nil - Fri: - Nil -
USDPHP		S: 50.80; R: 51.80	Mon: - Nil - Tue: Trade (Nov) Wed: - Nil - Thu: - Nil - Fri: - Nil -
USDIDR		S: 14,280; R: 14,450	Mon: - Nil - Tue: - Nil - Wed: - Nil - Thu: - Nil - Fri: - Nil -

Sources: Bloomberg, Maybank FX Research & Strategy

Selected G7 FX Views

Currency	Stories of the Week
DXY Index	<p><i>Keeping Eyes Peeled on US Data and Fed Speaks for Directional Bias.</i> Taking stock of 16th Dec FoMC, the Fed announced plans to double the pace of taper to \$30bn (from \$15bn currently) per month starting Jan-2022 and to end QE in Mar-2022 (earlier than Jun-2022 earlier anticipated) while dots plot reflected higher inflation and rate hikes projection. 12 out of 18 FoMC members expect at least 3 hikes in 2022 (vs. 1 hike from Sep's dot plot). The accompanying statement noted that "supply and demand imbalances related to the pandemic and the reopening of the economy have continued to contribute to elevated levels of inflation" and that "job gains have been solid in recent months, and unemployment rate has declined substantially". At the press conference, Fed Chair Powell said that "one of the two biggest threats to getting back to maximum employment is actually high inflation" (the other being pandemic). He also noted that Fed is keeping a close watch on wages "lest they begin rising so rapidly that they feed into already too high-inflation." We opined that though markets have fully priced in 3 hikes and faster pace of taper, there is still risk of Fed tilting even more hawkish if inflation does show signs of running out of control. At the same time there is risk of Fed tapering its balance sheet (not just bond purchases) as Powell indicated that debate on when to begin shrinking balance sheet is underway but no official decision on when the runoff would start.</p> <p>Indeed, FoMC minutes (released on 6 Jan) showed there was broad support for Fed to begin reducing the size of its balance sheet after the first interest rate increase with some officials saying that such a move could happen "relatively soon". Minutes also revealed that officials are potentially contemplating with a faster pace of policy rate normalisation given the speed of economic recovery as it also stressed on the importance of being flexible. In sum, the FoMC minutes exudes urgency on policy normalisation as inflation is running much higher than what Fed officials have earlier anticipated while labour market conditions are largely consistent with Fed's goals. OIS-implied suggests a rate hike as early as Mar or May FoMC (frontloading of rate hike expectations). Markets are now facing a potential shift towards quantitative tightening (QT) or balance sheet normalisation from an era of QE taper, policy normalisation. Play-up of QT fears can undermine sentiment and add to USD strength. We keep a look out on Fed speaks next week for clues on QT (or one can say shrinking of Fed balance sheet).</p> <p>DXY was last at 96.15 levels. Bearish momentum on daily chart shows signs of fading while rise in RSI paused. Slight upside risks ahead but we maintained bias to lean against strength. Support at 95.50 (50DMA), 94.50 levels (38.2% fibo retracement of 2020 high to 2021 low). Resistance at 96.20 (21DMA), 96.90 levels (2021 high, double top).</p> <p><i>Next week brings Wholesale trade sales (Nov) on Mon; NFIB Small business optimism (Dec) on Tue; CPI, real avg weekly earnings (Dec) on Wed; PPI (Dec); Fed's Beige book on Thu; Retail sales, industrial production, import, export prices (Dec); Uni of Mich sentiment (Jan) on Fri.</i></p>
EUR/USD	<p><i>Weighed by Re-widening of EU-UST Yield Differential.</i> EUR continued to trade with a heavy bias. Ongoing ECB-Fed policy divergence continued to see 2y EU-UST yield differentials widen to -146bps (from -133bps at the start of 2022) and this should still weigh on EUR in the interim. Elsewhere the omicron spread in Europe is also a risk to watch (if recovery momentum is derailed or restrictions tightened). Earlier this week, ECB's Kazaks stressed that ECB will act if inflation outlook picks up while he also spoke about flexibility and the need to be able to adapt. ECB's Klass Knot floated the idea of winding down QE by end-year and raising rates in early 2023. Nonetheless for ECB Lagarde's comments typically carried more weight than other members. EUR was last at 1.1295 levels. Mild bullish momentum on daily chart is fading while RSI fell. Risks skewed to the downside for now. Immediate support at 1.1270, 1.1220, 1.1185 (2021 low) before bigger support at 1.1040 (76.4% fibo retracement of 2020 low to 2021 high). Resistance at 1.1360/80 levels (50DMA), 1.14 and 1.1490 (50% fibo).</p> <p>Taking stock - at the last ECB meeting (16 Dec), the ECB confirmed that it would end its EUR1.85tn PEPP program, as scheduled in Mar-2022 and will expand its other bond purchase plan next year. Currently, the present pace of bond purchases at EUR80-90bn/month (via PEPP at EUR60-70bn per month and APP at EUR20bn per month) will be slow to EUR40bn per month, starting Apr-2022 and will continue at least through Oct-2022. The ECB also stressed that during this period of bond purchases, the ECB will not increase its deposit rate (currently at -0.5%). On macroeconomic update, ECB now projects inflation to average 3.2% in 2022, before easing to 1.8% for 2023 and 2024. ECB's Lagarde said that current surge due to high energy prices and constrained supply should pass eventually but later added that there is possible upside risks to inflation outlook as "numbers are not telling us that we are seeing second round effects". Overall, the ECB meeting can be</p>

interpreted as slightly hawkish and may have caught some economists off-guard. Nevertheless, ECB's hawkish tilt still lags behind other DM central banks including Fed, BoE, RBNZ. We still expect ECB to stick to their dovish rhetoric but reiterate our caution that the ECB may be underestimating the persistence of price pressures and that it may need to walk back on its words and normalise policies earlier. If this happens, it would be a positive turnaround for EUR.

Next week brings Sentix investor confidence (Jan); unemployment rate (Nov) on Mon; Industrial production (Nov) on Wed; Trade (Nov); German GDP (2021); French CPI (Dec) on Fri.

GBP/USD **Bias to Buy Dips.** GBP enjoyed a ~3% rally post BoE's surprise tightening at its MPC meeting in Dec. BoE MPC voted 8-1 to raise policy rate from record low of 0.1% to 0.25%. The timing of hike was earlier than expected as previous expectations for a Nov hike was disappointingly pushed back. BoE Governor Bailey said that evidence of a **very tight labor market and more persistent price pressures** were the push factors for BoE to act. He also said that "we're concerned about inflation in the medium term and we're seeing things now that can threaten that". Recall that BoE previously said that price pressures are transitory and CPI will return to 2% in medium term. Governor Bailey is now saying that inflation could top 6% in coming months. Nov headline CPI surged to decade high of 5.1% y/y. Markets are now pricing in 3 hikes by Aug with the next 25bps hike coming in around the 3 Feb or 17 Mar MPC. There is little forward guidance from BoE's statement except for the line, "modest tightening is likely to be necessary". That said, we believe that BoE on tightening path can be supportive of GBP gains.

GBP was last at 1.3535 levels. Bullish momentum on daily chart remains intact though there are very tentative signs of it fading while RSI is showing early signs of turning around from near overbought conditions. We still expect consolidative play in absence of fresh market catalyst. Support at 1.35 (50% fibo retracement of Oct high to Dec low), 1.3420/40 (50 DMA, 38.2% fibo). Resistance at 1.3560/80 (100 DMA, 61.8% fibo) and 1.3610 levels.

Next week brings BRC sales (Dec); unit labor costs (3Q) on Tue; RICS House price balance (Dec) on Thu; Monthly GDP, IP, construction output, Trade (Nov) on Fri.

USD/JPY **RSI Overbought.** USDJPY continued to trade one-way higher post-FoMC in Dec-2021 amid Fed-BoJ policy divergence play. UST-JGB 2y yield differentials widened to +91bps (from +65bps in Dec). USDJPY even traded a 4-year high of above 116-handle this year (4 Jan). Pair was last seen at 115.80 levels. Daily momentum is bullish but RSI is falling from overbought conditions. We do not rule out retracement place amid stretched technical and alongside the pullback in equity markets (risk aversion on fears of Fed QT and faster pace of policy normalization). Support at 115.50 (23.6% fibo retracement of Dec low to Jan high), 114.90 (38.2% fibo) and 114.50 (50% fibo, 21 DMA). Resistance at 116.35 (recent high) before 118 and 118.90 levels. Amidst Fed-BoJ policy divergence showing no signs of abating, preference goes with playing USDJPY from the long bias to express USD strength. But we opined there may be opportunity to buy on dips instead of chasing the highs.

Next week brings Leading, coincident index (Nov) on Tue; Current account (Nov) on Wed; Machine tool orders (Dec) on Thu; PPI (Dec) on Fri.

AUD/USD **Corrective Move Lower Underway; Buy Dips Preferred.** AUD fell so far this week in part reacting to surge in omicron cases globally but in large part, due to fears of Fed quickening its pace of policy normalisation and possibly embarking on shrinking its balance sheet (quantitative tightening). This undermined sentiment broadly and weighed on risk-proxy FX such as AUD.

Pair was last at 0.7165 levels. Bullish momentum on daily chart is fading while RSI is falling. Rising wedge pattern playing out - bearish reversal. Risks skewed to the downside for now. Support at 0.7120 (23.6% fibo), 0.7060 and 0.70 levels (2021 low). Resistance at 0.7190/0.7210 (21DMA, 38.2% fibo retracement of Oct high to Dec low) before 0.7260/80 (50% fibo, 50, 100DMAs).






Next week brings Building approvals (Nov); FX Reserves (Dec) on Mon; Trade, retail sales (Nov) on Tue.

NZD/USD **Will Interim Bottom at 0.67 Hold?** NZD drifted lower in the new year, tracking moves in AUD and in response to fears of Fed quickening its pace of policy normalisation and possibly embarking on shrinking its balance sheet.

Pair was last at 0.6745 levels. Bullish momentum on daily chart is fading while RSI is falling. Risks skewed to the downside. Support at 0.67 (2021 low). Decisive break below this support puts next key support at 0.6510 levels. Resistance at 0.6790 (21 DMA), 0.6825 (23.6% fibo retracement of Oct high to Dec low), 0.6860 and 0.69 levels (38.2% fibo).

Next week brings Commodity price (Dec) on Wed; Building permits (Nov) on Thu.

Technical View: MYR Crosses

MYR Crosses	Direction	Support/Resistance	Stories of the Week
SGD/MYR		S: 3.0850; R: 3.1020	Sideways Trade. SGDMYR traded sideways this week and was last seen hovering near its recent highs amid MYR softness. Cross was last at 3.0950 levels. Daily momentum and RSI are showing tentative signs of turning mild bullish at this point. We keep a lookout on the upper bound of recent range of 3.0850 - 3.0960. A decisive break could usher in more gains towards 3.1020, 3.1050 levels. Support remains at 3.0875 (100 DMA), 3.0850 (50 DMA).
AUD/MYR		S: 3.0000; R: 3.0500	Consolidation. AUDMYR traded sideways this week. Cross was last seen at 3.0160 levels. Bullish momentum on daily chart faded while RSI is flat for now. Consolidation likely. Support at 3.0030 (23.6% fibo retracement of Oct high to Nov low). Resistance at 3.0285 (38.2% fibo) and 3.0490 (50% fibo).
EUR/MYR		S: 4.7500; R: 4.8250	Upside Risks. EURMYR firmed this week amid MYR underperformance. Cross was last at 4.7630 levels. Mild bullish momentum on daily chart intact while RSI is rising. Directional bias still skewed towards upside for now. Resistance at 4.77 (50 DMA), 4.7950 before 4.8250 (100 DMA). Support at 4.75 (21DMA), 4.7050 (2021 low).
GBP/MYR		S: 5.6500; R: 5.7300	Retracement Eyed after Rally GBPMYR rose sharply after rebounding from its double bottom at 5.56 levels (which we highlighted in the last FX weekly in Dec-2021). Move higher came amid divergence in FX performance - GBP strength while MYR depreciated. Cross was last seen at 5.6885 levels. Daily momentum is bullish while RSI rose and is near overbought conditions. Resistance at 5.70 (38.2% fibo retracement of Jul high to Nov-Dec double bottom), 5.73 (200 DMA). Support at 5.67 (100 DMA), 5.6490 (23.6% fibo). We opined a corrective move lower led by GBP could occur in the near term.
JPY/MYR		S: 3.6000; R: 3.6800	Rebound Underway. After a 3.5% decline since mid-Dec, JPYMYR rebounded. This comes on the back of JPY strength while MYR fell. Cross was last at 3.66390. Bearish momentum on daily chart shows signs of fading while RSI is rising from oversold conditions. Rebound risk in the near term. Resistance at 3.66 (38.2% fibo retracement of Dec high to Jan low), 3.6785 (50% fibo) and 3.6970 (61.8% fibo). Support at 3.63, 3.60 levels (recent low).

Technical Chart Picks:

USDSGD Daily Chart - Sideways



After trading lower post-FoMC to a low of 1.3474 (32 Dec), USDSGD rebounded to as high as 1.3615 (6 Jan) in the first week of trading in 2022.

Pair was last at 1.3590 levels. Bearish momentum on daily chart is fading but rise in RSI also showed tentative signs of slowing. Pair may trade sideways in the interim.

Immediate resistance at 1.3615 (23.6% fibo retracement of Jun low to Nov high), 1.3680 and 1.3750 levels.

Support at 1.3580 (38.2% fibo), 1.3540 (23.6% fibo, 100 DMA)

USDMYR Daily Chart - Pace of Gain Likely to Moderate



USDMYR extended its run higher this week, in line with our call this week for rebound risk. Fears of faster pace of Fed normalisation, domestic flood woes and huge repair costs (estimated at MYR1bn) brought about the move higher.

Pair was last at 4.2065 levels. Bearish momentum on daily chart faded while rise in RSI paused. Potentially we see the pace of gains moderating. Resistance here at 4.2160 levels (61.8% fibo retracement of Nov high to Jan low).

Support at 4.2020 (21DMA), 4.1965 (38.2% fibo) and 4.1850 (23.6% fibo, 100 DMA).

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

AUDSGD Daily Chart: Interim Risks to the Downside



Our call in the last FX weekly for AUDSGD to trade sideways panned out over the last few weeks. Cross was last at 0.9725 levels.

Mild bullish momentum on daily chart shows signs of waning while RSI is falling. Risks to the downside. Support at 0.9720 (23.6% fibo), 0.9690 and 0.9590 levels (Nov lows).

immediate resistance at 0.9780 (21 DMA), 0.9810 (38.2% fibo retracement of Oct high to Dec low) and 0.9850 (50 DMA).

SGDMYR Daily Chart: Sideways



SGDMYR traded sideways this week and was last seen hovering near its recent highs amid MYR softness. Cross was last at 3.0950 levels.

Daily momentum and RSI are showing tentative signs of turning mild bullish at this point. We keep a lookout on the upper bound of recent range of 3.0850 - 3.0960. A decisive break could usher in more gains towards 3.1020, 3.1050 levels.

Support remains at 3.0875 (100 DMA), 3.0850 (50 DMA).

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
Head, FX Research
saktiandi@maybank.com.sg
(+65) 63201379

Christopher Wong
Senior FX Strategist
wongkl@maybank.com.sg
(+65) 63201347

Fiona Lim
Senior FX Strategist
Fionalim@maybank.com.sg
(+65) 63201374

Yanxi Tan
FX Strategist
tanyx@maybank.com.sg
(+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 Kim Eng Securities USA Inc ("Maybank KESUSA"), 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 Maybank KESUSA in the US shall be borne by Maybank KESUSA. 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 Maybank KESUSA 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 Kim Eng 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 Kim Eng Securities (London) Ltd ("Maybank KESL") 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:** MBST (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 ATRKES (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 KESUSA is a member of / and is authorized and regulated by the FINRA - Broker ID 27861. **UK:** Maybank KESL (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 7 January 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 7 January 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 7 January 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.

No part of this material may be copied, photocopied or duplicated in any form by any means or redistributed without the prior consent of Maybank IBG.