Navigating uncertainty with limited room for manoeuvre

19 March 2025

• Monthly GDP data showed the UK economy started the year on a weak footing, but we continue to expect a moderate expansion in Q1. Underlying macro conditions remain relatively supportive and we see annual growth at 1% this year. While we do expect some loosening of labour market conditions related to higher employer costs from April, we continue to stress that the government's first budget was ultimately expansionary. Public consumption is set to support overall growth, even if spending plans are pared back slightly.

• The government is clearly hoping that the UK will fly under the radar when it comes to Trump tariffs but uncertainty will continue to weigh on business sentiment. External demand conditions could also deteriorate: various warning lights are flashing around the US economy, and the blockbuster German fiscal package may not be sufficient to offset the drag from serious tariff escalation.

• Domestically, the focus remains on UK fiscal policy ahead of next week's Spring Statement. Higher interest rate costs and slower growth are likely to have entirely eroded the government's leeway against its (already-loosened) fiscal rules. In response, the government has announced that it will tighten working age benefit eligibility. We expect further measures will be required to restore a meaningful buffer.

• From a growth perspective, it is encouraging that the government is initially looking to trim current rather than capital spending. However, our sense is that the government is kicking the can down the road for now. Another adjustment to the fiscal rules would not be credible and so we judge that there is a clear risk that some tax rises will be required later in the year – even in the absence of a meaningful increase in defence spending.

Look past the noise - UK fundamentals remain broadly supportive for growth

The UK economy started the year on a weak footing with the monthly GDP data for January showing a 0.1% M/M contraction. There was a sharp fall in production (-0.9% M/M) which may have reflected trade policy uncertainty. Poor weather in January (yes, worse than usual) likely dragged on activity as well. As ever, we stress that these monthly GDP numbers are volatile and prone to revision and so caution against reading too much into single figures.

HENRY COOK

Senior Europe Economist

Economic Research Office

T: +44 (0)20 7577 1591 E: henry.cook@uk.mufg.jp

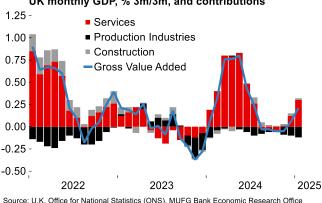
MUFG BANK, LTD.

A member of MUFG, a global financial group

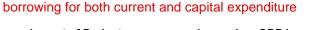


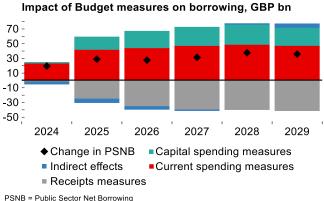
Looking at the broader picture, the contraction in January came after a solid 0.4% M/M expansion in December. That will help Q1 growth, which we are still tracking at 0.3% Q/Q. Stronger momentum in services is also encouraging. We see UK growth at 1.0% this year, a marginal improvement on the 2024 figure, with growth likely to be supported by public consumption. We continue to stress that the government's autumn budget was ultimately expansionary with a significant amount of front-loaded new spending. As we note below, the government looks set to pare back its spending plans slightly, but the apparent focus on cuts to current rather than capital spending is positive for the growth outlook.

UK growth faded sharply in H2 2024 but the economy has The last budget was expansionary with significant new carried some momentum into this year



UK monthly GDP, % 3m/3m, and contributions



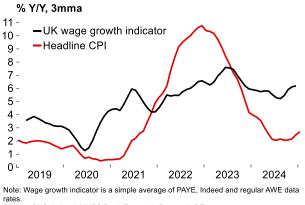


PSNB = Public Sector Net Borrowing Source: OBR, MUFG Bank Economic Research Office

That said, the most significant revenue measure from the last budget - the rise in employer social security contributions - is still a source of uncertainty. That will come into effect from next month. For now, the PAYE employment data remains stable but the composite employment PMI has slumped from above 50 in the summer to just 43.5 last month. Official redundancy notifications to the government (which are required 30-45 days in advance) also seem to be ticking upwards now (see here). This is in line with our expectations for some deterioration of the labour market over coming months.

With the rise in employer costs fast approaching, firms Real wage growth remains firmly in positive territory as seem cautious about hiring pay continues to catch up after the inflation shock





Source: ONS, Indeed, MUFG Bank Economic Research Office

Despite that, real wage growth is firmly in positive territory and is likely to remain so this year. The effect on growth has so far been diluted by the trend towards a higher household saving ratio since the pandemic, but survey evidence suggests the ratio may now be stabilising and we see consumer spending as a steady growth driver this



year. At the same time, business investment continues to trend upwards, supported by the BoE's gradual easing cycle and the still-fading effect of Brexit-related uncertainty.

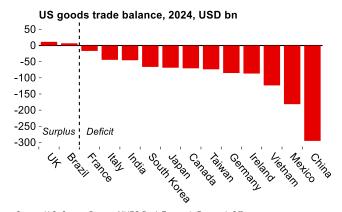
In short, the macro fundamentals still look reasonably supportive of UK economic growth. But we continue to judge that risks to the UK outlook are tilted to the downside with heightened uncertainty from both external sources (tariffs, global growth) and domestically (predominantly fiscal policy).

The UK *may* escape Trump's tariff crosshairs initially, but trade policy remains an obvious risk

Unlike the EU, the UK government has opted not to retaliate to the imposition of US tariffs of 25% on steel and aluminium. The UK, with relatively high energy costs, has a small steel industry and less than 10% of exports go to the US (~400m GBP annually). The calculation seems to be that it is preferable to avoid escalation given low direct exposure to the measures. The US administration has indicated that it is now looking to impose "reciprocal" tariffs. That would see tariffs match a range of measures (perhaps including VAT, which the US administration apparently sees as similar to a tariff) imposed by other countries, on an individual basis. This is a complicated task and we expect that the US administration would initially focus on trading partners with the largest surpluses vis-à-vis the US.

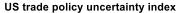
There is no great goods trade imbalance between the US and the UK (in fact, Census Bureau data suggests that the US may actually have a small surplus with the UK). On that basis, the UK government will hope to keep its head down and escape the Trump administration's crosshairs. Let's see if that approach works. Policy volatility will remain a feature of this US presidency and the UK would be especially vulnerable to tariffs on pharmaceutical products (8.8bn GBP total exports to the US in 2023) and autos (6.4bn).

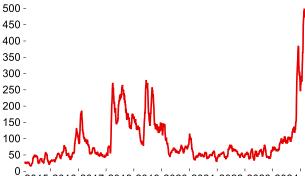
The UK may not be a priority for new US tariffs...



Source: U.S. Census Bureau, MUFG Bank Economic Research Office

... but trade policy uncertainty will remain a drag on growth





2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 Source: Matteo Iacoviello, MUFG Bank Economic Research Office

Don't expect much (or any) boost from external demand

The UK would also be exposed to a slowdown in the US economy. The US is the UK's largest (national) export partner, accounting for 27% of UK services exports and 15% of UK goods exports (see a summary of ONS data <u>here</u>). US consumption growth looks weaker at the start of the year even before any uptick in inflation related to tariffs. At the same time, volatility around trade, immigration and fiscal policy is likely to remain a headwind for fixed investment and employment growth.

Meanwhile, the huge fiscal measures planned in Germany (see <u>here</u>) are set to be mildly supportive for UK growth next year, but we would stress that there are plenty of risks around the euro area outlook over the near term given trade policy uncertainty. As expected, the EU announced targeted countermeasures last week which match the



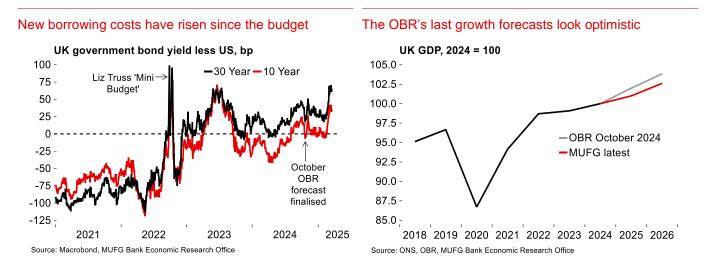
scope of new US tariffs – and Trump then responded by threatening 200% tariffs on US imports of EU alcohol.

The direct effects of any tit-for-tat tariff escalation as well as broader uncertainty around trade policy will weigh on the euro area's stuttering industrial sector. As noted last autumn (see <u>here</u>), we worry about the risk of second-round effects on the labour market. With difficulties in recruiting appropriately skilled workers, it seems that euro area manufacturing firms have 'hoarded' labour and avoided redundancies in the hope that demand conditions will eventually turn around. Trump tariffs could be the trigger for firms to push ahead with lay-offs that could tip the euro area economy into a more serious slowdown – which would be another headwind for UK growth.

Will the UK government row back on its spending plans?

Domestically, UK fiscal policy will remain in sharp focus this year. At its first budget in October, the new government loosened the fiscal rules to allow for significant, front-loaded spending increases (see <u>here</u>). Adherence to the fiscal rules is judged by the Office for Budget Responsibility (OBR), the UK's independent fiscal watchdog. According to their projections, the government left itself very limited headroom of just 10bn GBP (0.3% of GDP) at the end of the rolling five-year forecast horizon.

The OBR is legally required to provide two sets of forecasts a year and will publish its updated figures on 26 March alongside the chancellor's Spring Statement. We expect that these forecasts will show that the government's wafer-thin headroom against its own fiscal rules has been erased entirely by lower receipts (as noted at the time, the OBR's growth forecasts were certainly on the optimistic side) and higher interest costs since the Autumn Budget.



After last year's election the government stated that it is "is committed to one major fiscal event a year" to support economic stability – and so ideally it would avoid any changes at the stage. But the chancellor is now expected to prove her adherence to the fiscal rules in order to retain market credibility. Gilt yields rose markedly at the start of the year in response to weaker UK growth and concerns that policy rates would remain higher for longer than expected.

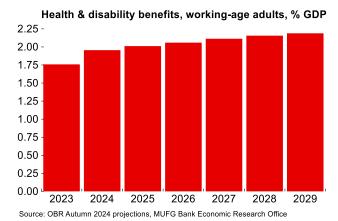
The government seems to have focused initially on health-related benefits (where the government spends 75bn GBP annually). Of that, 56bn is spent on working age adults (1.7% of GDP) and that is set to rise over coming years. The work and pensions secretary has already announced some changes to working age benefit eligibility, which she hopes will save 5bn by 2029. This alone does not look sufficient to restore any useful buffer against the fiscal rules and the government will likely make further fiscal adjustments at the Spring Statement.

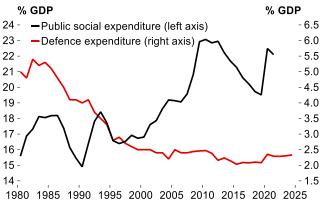


From a growth perspective, it is positive that the government is looking to trim current rather than capital expenditure. Infrastructure investment generally has good fiscal multipliers - it cannot be saved and has to be spent domestically. Politically, though, it can be easier to cut public capex plans given the benefits may not be obvious for years, or even decades. For reference, the OBR's estimates of year-ahead fiscal multipliers are 0.83 for public investment and 0.57 for welfare (see here).

Taking a wider view, a move to trim health-related benefit expenditure would fit into the wider debate about the 'peace dividend' in Europe. As defence spending fell as a share of GDP from the 1980s, welfare spending generally increased across the continent. The UK government has stated its initial aim is to increase defence spending from 2.3% in 2024 to 2.5% of GDP by 2027, funded directly by reducing the overseas aid budget. To our minds, this is clearly insufficient given the range of threats facing the UK and we suspect that the government will be forced to go further (i.e. at least 3% of GDP). That will require politically difficult trade-offs.

The UK's working age benefit costs are set to increase The 'peace dividend'? Social spending increased as over coming years defence was pared back





Source: NATO, OECD, MUFG Bank Economic Research Office

Tax rises may still be inevitable

Even in the absence of more meaningful defence pledges, our view is that the government will be forced to increase taxes at some point during this parliament. The reality is that market developments and slower growth have left the government with very limited leeway against its already-loosened fiscal rules. Moving the goalposts by tinkering with these rules again would clearly be damaging for credibility and likely result in counterproductively higher borrowing costs

Against that background, we see tax rises in the next autumn budget as fairly likely at this point. This would be a huge challenge in terms of official communication. The government bungled the messaging around its first budget by announcing months in advance that there would be 'painful' measures, without providing any guidance about where the axe might fall. Unsurprisingly, that encouraged speculation which weighed heavily on sentiment indicators and contributed to the UK economy losing momentum sharply in H2 2024.

As it was, the 'pain' was mostly in the form of increased employer social security contributions from April this year (which we discuss above). That was a function of the government's pre-election commitment not to raise income tax, employee national insurance, VAT or corporation tax, which together provide the bulk of government tax take. This pledge meant that the previous government's 2pp National Insurance cut last March – essentially a pre-election giveaway – couldn't simply be overturned. That cut reduced the tax take by around 10bn a year and came on the back of a similar cut the previous year. Reversing these would immediately restore the government's



headroom against its fiscal rules, but would mean backtracking on the pre-election pledges.

The government may instead opt to go along the well-trodden 'stealth' route by leaving income tax thresholds frozen (rather than uprated with inflation) beyond 2028, which is the current plan. Another option the government might consider is specific, separate packaging for a small tax rise – something along the lines of the Health and Social Care Levy (see here).

To leave a greater margin of leeway, or to increase defence spending meaningfully, would require more decisive action. Real game changers would require shifts along the lines of higher income tax rates on median earners, say, or watering down the triple lock (which uprates the state pension by the highest of inflation, earnings growth or 2.5%). Of course, such moves would be fraught with political risk, to put it mildly, but also economic risk if the messaging were to be handled badly and cause a confidence shock.

In short, there are no easy options for the government. The UK simply does not have the fiscal space to implement the sort of blockbuster fiscal stimulus announced in Germany (see <u>here</u>). Indeed, the government may be forced to backtrack on its (much more modest spending) plans which were announced only last October, at least to a limited extent. As ever, the gilt market will be the ultimate arbiter of whether it goes far enough, but our view is that the need for trade-offs is only likely to increase on the back of greater defence requirements. For now, it seems that the can is being kicked down the road on that and we don't expect fireworks at next week's Spring Statement announcement. However, tweaks to previous spending plans will still give some indication of the government's intentions around its wider strategy.



CERTIFICATION

The author(s) mentioned on the cover of this report hereby certify(ies) (or, where multiple authors are responsible, individually certify with respect to each security that the author covers in this report) that the views expressed in this report accurately reflect their personal views about the subject company(ies) and its (their) securities, and also certify(ies) that they have not been, are not, and will not be receiving direct or indirect compensation in exchange for expressing any specific recommendation(s) or view(s) in this report.

DISCLAIMERS

This report has been prepared by the Global Markets Research, US Rates and Credit Strategy desks within MUFG Bank, Ltd. ("MUBK") and MUFG Securities EMEA plc ("MUS(EMEA)") and may be distributed to you either by MUBK, MUS(EMEA) or by another subsidiary of the Mitsubishi UFJ Financial Group ("MUFG").

Legal entities and branches

The securities related businesses within MUFG (together referred to in this presentation as "MUFG Securities") are: (1) MUFG Securities EMEA plc ("MUS(EMEA)") which is authorised in the United Kingdom by the Prudential Regulation Authority ("PRA") and regulated by the Financial Conduct Authority ("FCA") and the PRA (FS Registration Number 124512). MUS(EMEA) has a branch office that is registered at Level 3, East Wing, The Gate, Dubai International Financial Centre, PO Box 506894, Dubai, UAE ("Dubai Branch"). The Dubai Branch is authorised to operate in the Dubai International Financial Centre ("DIFC") as a Non-DIFC Entity (Commercial License Number CL1656) and is regulated by the Dubai Financial Services Authority (Reference Number F002623); (2) MUFG Securities (Europe) N.V. ("MUS(EU)" which is authorized and regulated in the Netherlands by the Dutch Authority for the Financial Markets (AFM) and also regulated by De Nederlandsche Bank (DNB). MUS(EU) Paris Branch is regulated in France by the Autorité de contrôle prudentiel et de résolution (ACPR) and the Autorité des marchés financiers (AMF); (3) MUFG Securities Americas Inc. ("MUSA") which is registered in the United States with the Securities and Exchange Commission ("SEC") and regulated by the Financial Industry Regulatory Authority ("FINRA") (SEC# 8-43026; CRD# 19685); (4) MUFG Securities (Canada), Ltd. ("MUS(CAN)") is an investment dealer registered in Canada with the Ontario Securities Commission ("OSC") and in each province and territory of Canada, a member of the Investment Industry Regulatory Organization of Canada ("IIROC"), and a member of the Canadian Investor Protection Fund ("CIPF") Customers' accounts are protected by CIPF within the specified limits; (5) MUFG Securities Asia Limited ("MUS(ASIA)") which is incorporated in Hong Kong, licensed under the Hong Kong Securities and Futures Ordinance and regulated by the Hong Kong Securities and Futures Commission (Central Entity Number AAA889). MUS(ASIA) is registered as a foreign company under the Corporations Act 2001 of Australia (ARBN 169 329 453); and (6) MUFG Securities Asia Limited, Singapore Branch ("MUS(ASIA Singapore)") has a capital markets services licence under the Securities and Futures Act in Singapore. In respect of the financial services provided to wholesale clients in Australia, MUS(ASIA), MUS(EMEA) and MUSA are each exempt from the requirement to hold an Australian financial services licence under the Corporations Act 2001 of Australia under the Australian Securities and Investments Commission Class Order Exemption CO 03/1099, CO 03/1103, CO 03/1100, and CO 03/1102, respectively. Each of MUS(ASIA), MUS(EMEA), MUSA, are regulated under the laws of Hong Kong, the United Kingdom and the United States respectively, which differ from Australian laws.

MUFG Bank Ltd ("MUBK"), is a limited liability stock company incorporated in Japan and registered in the Tokyo Legal Affairs Bureau (company no. 0100-01-008846). MUBK's head office is at 1-4-5 Marunouchi, Chiyoda-Ku, Tokyo, Japan. MUBK's London branch is at Ropemaker Place, 25 Ropemaker Street, London EC2Y 9AN, and is registered as a UK establishment in the UK register of companies (registered no. BR002013). The principal office of MUBK's Canada branch (MUFG Bank, Ltd., Canada Branch) is located at 200 Bay Street, Suite 1800, Toronto, Ontario, M5J 2J1, Canada. MUFG Bank's Canada branch is an authorized foreign bank branch permitted to carry on business in Canada pursuant to the Bank Act (Canada); Deposits with MUFG Bank Canada are not insured by the Canada Deposit Insurance Corporation. MUBK is authorised and regulated by the Japanese Financial Services Agency. MUBK's London branch is authorised by the UK Prudential Regulation Authority ("PRA") and subject to regulation by the UK Financial Conduct Authority ("FCA") and limited regulation by the PRA. MUBK's Hong Kong branch is authorised as a bank by the Hong Kong Monetary Authority under the Banking Ordinance of Hong Kong and is registered with the Securities and Futures Commission of Hong Kong vot Type 1 and Type 4 regulated activities under the Securities and Futures Act and Financial Advisers Act of Singapore respectively. MUBK's line registered as a foreign company under the Corporation Act 2001 of Australia (ARBN 103 418 82) and is authorised by the Australian Prudential Regulation Authority to carry on banking business in New Zealand under the Banking (Prudential Supervision) Act 1989 of New Zealand.

General disclosures

This report is for information purposes only and should not be construed as investment research as defined by MIFID 2 or a solicitation of any offer to buy or sell any security, commodity, futures contract or related derivative (hereafter "instrument") or to participate in any trading strategy. This report does not constitute a personal recommendation and does not take into account the individual financial circumstances, needs or objectives of the recipients. Recipients should therefore seek their own financial, legal, tax or other advice before deciding to invest in any of the instruments mentioned in this report.

Certain information contained in this report has been obtained or derived from third party sources and such information is believed to be correct and reliable but has not been independently verified. MUBK and MUFG Securities do not make any guarantee, representation, warranty or undertaking, express or implied, as to the fairness, accuracy, reliability, completeness, adequacy or appropriateness of any information or comments contained in this report. Furthermore the information may not be current due to, among other things, changes in the financial markets or economic environment. MUBK and MUFG Securities has no obligation to update any such information contained in this report.

The information contained in this report may contain forward-looking information ("FLI"). FLI is information regarding possible events, conditions, or results of operations that is based on assumptions about future economic conditions and courses of action and may be presented as either a forecast or a projection. This report is not intended to forecast or predict future events. Past performance is not a guarantee or indication of future results. Upon receipt of this report, each recipient acknowledges and agrees that any FLI included herein should not be considered material. Recipients should consult their own legal and financial advisers for additional information. Any prices provided herein (other than those identified as being historical) are indicative only and do not represent firm quotes as to either price or size.

This report is proprietary to MUBK and MUFG Securities and may not be quoted, circulated or otherwise referred to without our prior written consent. Notwithstanding this, MUBK and MUFG Securities shall not be liable in any manner whatsoever for any consequences or loss (including but not limited to any direct, indirect or consequential loss, loss of profits and damages) arising from any reliance on or usage of this report and accepts no legal responsibility to any investor who directly or indirectly receives this material.

MUBK covers banking business and is responsible for the publication of related research reports. MUFG Securities covers the securities business and is responsible for the publication of securities related research reports. References to "MUBK" shall be interpreted as a reference only for all matters related to bank products and references to "MUFG Securities" shall be interpreted as a reference only for all matters related to bank products and references to "MUFG Securities" shall be interpreted as a reference only for all matters related to bank products.

MUBK and/or its directors, officers and employees, from time to time, may have interest and/or underwriting commitment in the relevant securities mentioned herein or related instruments and/or may have a position or holding in such securities or related instruments as a result of engaging in such transactions. Furthermore, MUBK may have, or have had a relationship with or may provide or have provided corporate finance or other services to any company mentioned herein.

Country and region specific disclosures

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 is located in any locality, state, country or other jurisdiction where such distribution, publication, availability or use would be contrary to any law, regulation or rule. Each entity and branch within MUFG is subject to distinct regulatory requirements and certain products and services discussed in this document may not be available in all jurisdictions or to all client types.

In this regard, please note the following in relation to the jurisdictions in which MUBK and MUFG Securities has a local presence:

- United Kingdom / European Economic Area (EEA): This report is intended for distribution to a "professional client" or "eligible counterparty" as those terms are defined in the rules of the FCA and PRA. In other EEA countries, this report is intended only for persons regarded as professional investors (or equivalent) in their home jurisdiction.
- United States of America: This report, when distributed by MUSA, is intended for Institutional Investors ("Institutional Accounts" as defined by FINRA Rule 4512(c)). When
 distributed by a non-US affiliate of MUSA, this report is intended for distribution solely to "major U.S. institutional investors" or "U.S. institutional investors" or "U.S. institutional investors" or "U.S. Securities Exchange Act of 1934, as amended. Securities referenced in this report may have been underwritten by MUSA and/or its affiliates. Nothing in this
 report should be considered an offer or solicitation of an offer to buy or sell securities or any other financial product or a commitment of any kind with respect to any transaction.

IRS Circular 230 Disclosure: MUFG Securities does not provide tax advice. Accordingly, any discussion of U.S. tax matters included herein (including any attachments) is not intended or written to be used, and cannot be used, in connection with the promotion, marketing or recommendation by anyone not affiliated with MUSA of any of the matters addressed herein or for the purpose of avoiding U.S. tax-related penalties.

- Hong Kong: This report is only intended for distribution to a "professional investor" as that term is defined in the Securities and Futures Ordinance and should not be passed
 onto any other person. All enquiries from recipients of this report in Hong Kong must be directed to your usual sales contact in Hong Kong.
- Singapore: This report is only intended for distribution to an "institutional investor", "accredited investor" or "expert investor" as those terms are defined under regulation 2 of the Financial Advisers Regulation. It is solely for the use of such investors and shall not be distributed, forwarded, passed on or disseminated to any other person. Investors should note that, as a result of exemptions that apply when this report is distributed to "accredited investors" and "expert investors", MUBK's Singapore branch and MUS(ASIA) Singapore is exempt from complying with certain requirements under the Financial Advisers Act, including section 34 of the Financial Advisers Act (which requires a financial adviser to disclose all material information on certain investment products), section 36 (which requires a financial adviser to have a reasonable basis for making recommendations on investments) and section 45 (which requires a financial adviser to disclose any interests that it holds in securities that it recommends). Please contact your respective financial advisor in Singapore in relation to any matters arising from this report.
- Canada: When distributed in Canada, this report is distributed by MUS(EMEA) or MUSA. MUS(EMEA) operates under an International Dealer Exemption from registration with the securities regulators in Alberta, British Columbia, Manitoba, Ontario and Québec. MUSA operates under an International Dealer Exemption from registration with the securities regulators in all Canadian Provinces and Territories. When distributed by MUS(EMEA) or MUSA, this report is only intended for a "permitted client" as that term is defined under the National Instrument 31-103 in Canada and is not intended for re-distribution to any other person. When distributed by MUS(CAN), this report is only intended for an "institutional client" as that term in defined under the IIROC dealer member rules and is not intended for re-distribution to any other person. The information contained herein is not, and under no circumstances is to be construed as, a prospectus, an advertisement, a public offering, an offer to sell securities described herein, in Canada or any province or territory thereof. Under no circumstance is the information contained herein to be construed as investment advice in any province or territory of Canada and is not tailored to the needs of the recipient.
- Japan: This Note, when distributed by MUFG Securities affiliates located outside of Japan, is intended for distribution in accordance with Article 58-2 of the Financial Instruments Exchange Act 1948 ("FIEA") i) to a "Financial Instruments Business Operator" engaged in "Securities-Related Business" as defined in the FIEA or ii) to the government, the Bank of Japan, a qualified financial institution defined in Article 209 of the Cabinet Office Ordinance Concerning Financial Instruments Business, Etc., or an Investment Manager.

When distributed by Mitsubishi UFJ Morgan Stanley Securities Co., Ltd. ("MUMSS"), this Note is intended for distribution to a "Professional Investor (tokutei-toushika)" as defined in the FIEA.

United Arab Emirates: This report is only intended for distribution to a "Professional Client" or "Market Counterparty" as those terms are defined under the rules of the Dubai Financial Services Authority and only a person meeting the criteria for these terms should act upon this report.

Australia: This Note is only intended for distribution to persons in Australia who are sophisticated or professional investors for the purposes of section 708 of the Corporations Act 2001, and are wholesale clients for the purposes of section 761G of the Corporations Act 2001. This Note is not intended to be distributed or passed on, directly or indirectly, to any other class of persons in Australia. This Note is for informational purposes only, it does not make any recommendations and should not be relied upon for any investment purposes. For information on how we collect, use, store and secure personal information, please review our <u>Privacy Policy</u>.

MUBK and MUFG Securities has established policies and procedures to identify and manage conflicts of interest to uphold the values of integrity, responsibility, accountability and trust, and to treat clients fairly. MUBK and MUFG Securities has put in place the following arrangements to prevent conflicts of interest: information barriers to prevent the unnecessary exchange or misuse of confidential information; segregated deal teams to manage competing interests in a transaction; defined procedures for dealing with conflicts of interest, including procedures on crossing information barriers; reasonable steps by Compliance to ensure that information barrier arrangements remain effective and are effectively monitored.

New Zealand: This Note is only intended for distribution to persons in New Zealand who are wholesale clients as defined in clause 4 of Schedule 5 of the Financial Markets Conduct Act 2013, or are wholesale investors as defined in clauses 3(2) and 3, and clauses 36(b) of Schedule 1 of the Financial Markets Conduct Act 2013. This Note is not intended to be distributed or passed on, directly or indirectly, to any other class of persons in New Zealand. For information on how we collect, use, store and secure personal information, please review our <u>Privacy Policy</u>.

Other jurisdictions:

MUFG Securities also relies on local registrations or regulatory exemptions in order to undertake certain securities business in other countries. In Thailand, MUS(EMEA) has a derivatives dealer registration with the Securities and Exchange Commission, Thailand. In Canada, MUS(EMEA) and MUSA each operate under an international dealer exemption registered with the securities regulators. MUS(EMEA) operates under the exemption in Alberta, Quebec, Ontario, British Columbia and Manitoba. MUSA operates under the exemption in all Canadian Provinces and Territories.

Investment recommendation

MUBK and MUSE(EMEA) prepare and disseminate a range of commentary to their clients ("General Sales and Trading Communications") prepared by sales, trading, capital markets or other non-Research functions, including but not limited to runs, axes, pricing indications, short term views and macro commentary which are for information purposes only and should not be construed as an investment recommendation to buy or sell any financial instrument or to participate in any trading strategy. These are not intended for dissemination to the public. In addition, sales and trading personnel also produce and disseminate strategy pieces, sales notes, trading and market commentary ("Sales and Trading Commentaries") which may be defined as investment recommendations under the Market Abuse Regulation. Investment Recommendations are marketing communications. General Sales and Trading Communications and Sales and Trading Commentaries do not contain a personal recommendation and do not take into account the individual financial circumstances, needs or objectives of the recipients. Recipients should therefore seek their own financial, legal, tax or other advice before deciding to invest in any of the instruments mentioned in such documents.

This Material and the contents therein are not intended for recipients outside of the United Kingdom ("UK") or the European Union ("EU").



Certain information contained in our General Sales and Trading Communications and Sales and Trading Commentaries has been obtained or derived from third party sources and while such information is believed to be correct and reliable it has not been independently verified. MUBK and MUS(EMEA) do not make any guarantee, representation, warranty or undertaking, express or implied, as to the fairness, accuracy, reliability, completeness, adequacy or appropriateness of any information or comments contained in these documents. Furthermore the information may not be current due to, among other things, changes in the financial markets or economic environment. MUBK and MUS(EMEA) do not, and have no obligation to update any such information contained in is Sales and Trading Commentaries. Any prices or quotations contained herein are indicative only, do not represent firm quotes as to either price or size and should not be used for valuation purposes.

General Sales and Trading Communications and Sales and Trading Commentaries are not intended to forecast or predict future events. Past performance is not a guarantee or indication of future results. Sales and Trading Commentaries are produced by non-Research functions, including sales and trading do not constitute investment research and are not prepared under conditions designed to promote the independence of investment research. It is not subject to any prohibition on dealing ahead of the dissemination of investment research. MUBK and MUS(EMEA) may make markets, provide liquidity, have (or may in the future enter into) principal or proprietary positions (long or short) in and effect transactions in the financial instruments or trading strategies mentioned or described in our General Sales and Trading Communications and Sales and Trading Commentaries and may also perform or seek to perform investment banking, brokerage, or other services for those companies including entering into transactions with them. In general, our Sales and Trading Commentaries are short term views in response to market movements and news.

The sales and trading staff who produce investment recommendations have received compensation based upon various factors, including individual performance competitive factors, firm revenues, sales and trading revenues and overall investment banking revenues.

Our General Sales and Trading Communications and Sales and Trading Commentaries are proprietary to MUBK and MUS(EMEA) and may not be quoted, circulated or otherwise referred to without our prior written consent. Notwithstanding this, MUBK and MUS(EMEA)shall not be liable in any manner whatsoever for any consequences or loss (including but not limited to any direct, indirect or consequential loss, loss of profits and damages) arising from any reliance on or usage of this report and accepts no legal responsibility to any investor who directly or indirectly receives this material.

This material has been prepared in accordance with MUBK's and MUS(EMEA)'s organisational and administrative arrangements for managing conflicts of interest. Such arrangements include policies which set out guidelines relating to (but not limited to) restrictions on access to information, personal dealing and inducements.

Any instruments referred to in this material may not be eligible for sale in all jurisdictions or to all categories of investors. This material is not directed to, or intended for distribution to or use by, any person or entity who is a citizen or resident of or is located in any locality, state, country or other jurisdiction where such distribution, publication, availability or use would be contrary to any law, regulation or rule. Certain products which may be mentioned in this material, including derivative products, give rise to substantial risk, including currency and volatility risk, and are not suitable for all investors.

This material, is only intended for distribution to a "professional client" or "eligible counterparty" (as defined in UK FCA and PRA rules) or their equivalent(s) within the EU and should not be passed onto any other person.

This material and all claims arising in connection with it are governed by, and to be construed in accordance with, English law.

Disclosures for the website concerning Investment Recommendations:

MUSE and MUFG Bank may own a net long or short position exceeding the threshold of 0,5 % of the total issued share capital of the issuer.

Entities mentioned in our Sales and Trading Commentaries may have interest in excess of 5% of the total issued share capital of Mitsubishi UFJ Financial Group. Information relating to Major Shareholders is available on <u>MUFG; Stock Information | Mitsubishi UFJ Financial Group</u>

MUSE and MUFG Bank may be market maker or liquidity provider in the financial instruments of the issuer and may have been lead manager or co-lead manager over the previous 12 months of any publicly disclosed offer of financial instruments of the issuer.

MUSE and MUFG Bank are not party to an agreement with the issuer relating to the production of the recommendation, neither disclose their recommendations to issuers, so they can't can make no amendment to the investment recommendation.

A description of the effective internal organisational and administrative arrangements and of any information barrier it has set up for the prevention and avoidance of conflicts of interest with respect to the recommendations is available on <u>MUFG; Policy for Conflicts of Interest Management | Mitsubishi UFJ Financial Group</u>

MUSE and MUFG Bank are part of the MUFG Group however owing to the organisation of the Group, employees involved in the production of Sales and Trading Commentaries do not know and are not expected to know what is done by other entities of the Group.

Our Credit Strategy recommendations incorporate valuations (relative value) and the author's fundamental view on the security. The fundamental credit view of an issuer may be based on the company's underlying credit trends, overall creditworthiness and our opinion on whether the issuer will be able to service its debt obligations when they become due and payable. We may review, among other things, the company's cash flow capacity and trends and standard credit ratios, such as gross and net leverage, interest coverage and liquidity ratios. We may also review profitability, capitalization and asset quality, among other variables, when assessing financials. We also take into account management strategy, financial policy and the overall competitive landscape in relevant industries insofar as these may impact credit quality. We may also assess market technical aspects such as the likely future supply of bonds or fund flows into the broader asset class. Unless we specify a different recommendation for the company's individual securities, an issuer recommendation applies to all of the bonds at the same level of the issuer's capital structure. The investment recommendations remain valid only at the point of publication, as they are not updated to take account of changes in the financial markets or new news about the issuer or instruments.

Definitions

Positive:

Credit: We expect the credit spread to tighten, on an interest rate hedged basis

Neutral:

Credit: We expect the credit spread to remain stable, on an interest rate hedged basis

