EMEA Credit Comment 04 May 2020



European Banks - Credit Update

- Banks with sizeable investment banking operations have been able to navigate the current crisis from a stronger position than pure retail-focused peers.
- A strong performance in FICC earnings led European investment banks to outperform their American peers in Q1.
- Measures announced by the European Commission and the ECB will provide material capital relief and liquidity support to European banks.

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The beauty of diversification

The current crisis is providing evidence in favour of universal banking models, which combine retail and investment banking operations. The usefulness of diversification in a crisis was already evident in the results of the American names. It became clearer in the past week as the material profit generated in the global market divisions of UK banks allowed them to report record high provisions for expected retail loan losses without impacting their capital base. This was the case for HSBC, Barclays and even RBS, with the long underperforming NatWest Markets doubling its revenues base in the quarter. Meanwhile, Lloyds, a purely retail-focused name, only managed to report a bottom-line profit in Q1 due to a tax benefit. We note that the UK has been the only country to force the ring-fencing of banks' retail operations. This measure created distortions, and arguably fuelled a mortgage-lending war, led to higher market funding for UK non-retail operations than European peers, and forced the exit from certain activities by retail-focused names.

Elsewhere in Europe, UBS and Credit Suisse are on track to report the best performances in our coverage universe, as their strong global markets performance was further supported by their also strong performance in wealth management. It is clear now why they resisted the local regulator call for a full cancelation of their dividend payments, different to their peers elsewhere in Europe. Even Deutsche managed to halt the long declining revenues trend, backed by an increase in FICC gains, although the latter was still below peers. SocGen's results are the counterargument here, as it reported a 99% decline in Equity trading revenues, impacted by dividend cancellations. However, this was partly offset by 32% growth in FICC earnings, whilst SocGen global markets operations have in fact long been underperforming.

FICC gains in coming quarters are indeed likely to make less of a positive contribution as client activity normalizes. Moreover, the economic environment has only started to impact banks, so that material investment banking losses in the coming quarters cannot be ruled out. Yet those with sizeable investment banking operations are navigating the current crisis from a stronger position than pure retail-focused peers.

1Q20 Results

Results published in the past week were more challenging than the ones published the prior week, as banks continued to significantly build up their loan-loss reserves, leading to bottom-line losses by SocGen, Danske and Deutsche. Positively, Barclays and UBS reported solid numbers, as their geographic and business diversification make them well positioned to face the crisis. Barclays' and UBS' impressive FICC performance also meant European banks at last outperformed their American peers in terms of investment banking revenues growth.

Impairment charges, capital ratios and liquidity levels are key points of focus in the current crisis. Impairment volumes varied significantly, so did the scenarios on which they were based. Yet given the continued uncertainty of the magnitude of the crisis, additional material impairment charges are expected in the coming quarters. IFRS9 rules dictate for upfront charging of expected losses, yet the magnitude of the losses, and flexible approach being pushed by regulators, mean loan-loss provisions will be gradually booked in coming quarters. Liquidity levels continued to hold up well, supported by deposit growth and the different facilities being provided by central banks. LCRs reported last week ranged between 138% and 182%, comfortably above requirements. The impact on CET ratios ranged from -70bps and +40bps, as higher lending volumes, increased counterparty and market risk were often offset by the cancelation of dividends and the earnings retained in the quarter.

| IB F | Revenues Gr | owth (1Q20 \ | //Y) |
|-------------------|------------------------|--------------|--------|
| | Origination & Advisory | FICC | Equity |
| JPMorgan | -49% | 34% | 28% |
| Citi | 0% | 39% | 39% |
| Goldman Sachs | 8% | 33% | 22% |
| Morgan Stanley | -1% | 29% | 20% |
| BofA | 10% | 13% | 39% |
| Credit Suisse | 38% | 26% | 24% |
| Barclays | 12% | 106% | 21% |
| Deutsche | 8% | 13% | - |
| UBS | 44% | 99% | 18% |
| Average | 8% | 44% | 26% |

Source: Banks' financial statements. Figures may not be directly comparable.

In all, although profitability will remain under significant pressure in coming quarters, we continue to judge that most of the banks in our universe have sufficient capital to withstand even the most severe of the economic scenarios being predicted. That said, government support to corporates and individuals will become increasingly relevant for banks' financials. Moreover, the results reported so far made clear why central banks and regulators were so quick in providing a wide range of measures providing material support to capital, loan-loss provisions and liquidity, particularly in the euro area.

Regulatory updates

The **European Commission** approved <u>a set of banking rules</u> on Wednesday, aiming at preserving capital bases and hence facilitating bank lending, which will provide some relief to capital metrics. The key proposals include:

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- Postponement of the introduction of the G-SIB buffer to leverage ratios from 2022 to 2023. European G-SIBs will add 50% of their G-SIB buffer to their leverage ratio requirement of 3%. For instance, as Deutsche Bank has a G-SIB buffer of 1.5%, its leverage ratio requirement from 2023 will be 3.75%.
- The extension of the current transitional IFRS9 rules by two years, allowing banks to add back to their regulatory capital any increase in new expected credit loss provisions that they recognise in 2020 and 2021 which have not defaulted. Only provisions incurred as of 1 January 2020 would be eligible. This rule will allow banks to add back to their capital a substantial proportion of the provisions being booked ahead of actual defaults, and will have a sizeable impact on banks' CET1 ratio for 2020 and 2021. Out of the €506m Deutsche Bank booked in new impairment charges in Q1 for instance, €230m will be added back to its CET1 capital.

Explainer: Under IFRS9, loans are classified as Stage 1, 2 and 3. Stage 1 loans are newly originated or purchased loans, and have provisions booked for credit losses expected within the next 12 months. A loan becomes Stage 2 when its credit risk has increased significantly since initial recognition, and provisions are booked for credit losses expected within the loans' lifetime. Stage 3 loans are defined when the respective credit risk increases to the point whereby the loan is considered credit-impaired. Lifetime expected credit losses are recognised on Stage 3 loans, as in Stage 2. The European Commission's rule established that provisions for expected credit losses for Stage 1 and Stage 2 loans can be added back to regulatory capital.

Additional liquidity measures from the ECB

On Thursday the **ECB** eased further the conditions on the forthcoming **TLTRO III**, with a further 25bps cut to the interest rate on the loans. The rates on these long-term loans will now be as low as -1.00% for banks whose net lending reaches the necessary benchmark.

To further ease liquidity strains, the **ECB** also <u>announced</u> a new series of seven monthly **PELTROs** (non-targeted pandemic emergency longer-term refinancing operations) commencing from next month and maturing between July and September 2021, thus matching the duration of the recent collateral easing measures. These will have a fixed rate and be allocated with full allotment. The interest rate to be applied will be 25bps below the average main refinancing operations rate (currently at 0%). In addition to pricing, PELTROs differ from TLTROs in that

- (i) They will be offered on a monthly basis, whilst TLTROs are offered quarterly
- (ii) They have no borrowing allowance limits. TLTROs are limited to 50% of a bank's loans to the 'real economy' (loans to corporates and non-residential loans to individuals).
- (iii) Collateral is not restricted to lending to the real economy. It would thus be useful for banks with non-eligible lending (real estate, loans to public entities, etc.)
- (iv) They will be operationally simpler than TLTROs, and could hence be useful for less sophisticated banks.

In all, given the vast amount of liquidity already being provided by the TLTROs, and generous pricing, a high intake of PELTROs could be a signal of liquidity stress in the euro area banking sector. That said, the ECB also stated it "stands ready to provide additional liquidity, if needed". Total outstanding LTROs amount to €950bn.

Rating actions

S&P took action on a range of Italian, Spanish and Austrian banks last week, with the outlooks on Unicredit and Banco Santander revised to negative, whilst the outlooks on Intesa and BBVA were already negative. The agency revised the outlook on Nordea from stable to negative.

Fitch downgraded the sovereign rating of Italy from BBB to BBB-/Stable, which is likely to lead to an action on Unicredit and Intesa, both currently rated at BBB/Negative. A downgrade of Unicredit would likely lead to a downgrade of the bank's SNP debt from BBB-to BB+, i.e. sub-investment grade.

Primary and secondary markets

In the **primary market**, we saw the first non-French euro area banks returning to the market with Rabobank and Santander, whilst Barclays took advantage of the good results posted on Wednesday to place a senior HoldCo on Thursday. Demand was strong, yet backed by sizeable NIPs(15-25bps).

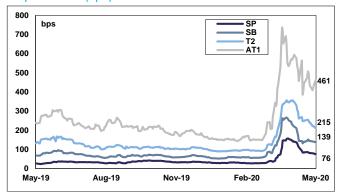
- Rabobank, SNP, EUR1bn, 8NC7, priced at MS+110, IPT was at MS+135bps, final books over EUR2bn.
- Banco Santander, SNP, 5.7Y, EUR1.5bn, price at MS + 170, IPT was at MS+200, final books over EUR4.8bn.
- Barclays, Sr HoldCo, USD1.75bn, 6NC5, priced at T+250bp, IPT+275bps.

In the **secondary market** spreads tightened somewhat following banks' results, the European Commission's capital relief measures, the additional liquidity facility and better pricing on TLTRO's announced by the ECB, and the largely risk-on sentiment observed during the week. Italian spreads saw the most benefit from the ECB announcement on liquidity, whilst Deutsche Bank's strong trading results, and lower leverage ratio supported a strong tightening of its spreads. EUR SP spreads remain 47bps above pre-crisis levels (+83bps for SNP paper), whilst USD SP/Sr OpCo debt remains 54bps above pre-crisis levels (+94bps for SNP/Sr HoldCo paper).

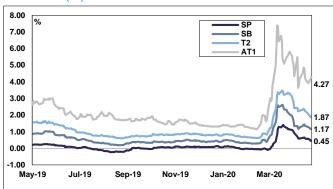


Western European Banks EUR Z spreads

Z-spread LTM (bps)



Yields LTM (%)



EUR SP/Senior Opco Z-Spread Net Change (bps)

| | YTD∆ | | La | st 5 Days | s Δ | |
|----------|------|-----|------|-----------|------|-------|
| | All | All | 1-3Y | 3-5Y | 5-7Y | > 7 Y |
| UK | 72 | -1 | 3 | -3 | -3 | -3 |
| DENMARK | 41 | -5 | -4 | -9 | | |
| FINLAND | 38 | -6 | -5 | -5 | -9 | -11 |
| FRANCE | 42 | -2 | -1 | -3 | -4 | -5 |
| GERMANY | 64 | -3 | 0 | -3 | -1 | -8 |
| ITALY | 129 | -12 | -10 | -12 | -12 | -15 |
| NETHERL. | 54 | -2 | 1 | -3 | -5 | -3 |
| SPAIN | 97 | -4 | -1 | -5 | -6 | |
| SWEDEN | 34 | -6 | | -6 | | |
| SWITZ. | 50 | -4 | -4 | | | |

EUR SP/Senior OpCo

| | Yield | | Z Spre | ead Value | e (bps) | |
|----------|-------|-----|--------|-----------|---------|-------|
| | (%) | All | 1-3Y | 3-5Y | 5-7Y | > 7 Y |
| UK | 0.70 | 101 | 104 | 95 | 95 | 95 |
| DENMARK | 0.47 | 75 | 74 | 75 | | |
| FINLAND | 0.35 | 63 | 59 | 67 | 66 | 73 |
| FRANCE | 0.42 | 71 | 65 | 70 | 76 | 77 |
| GERMANY | 0.82 | 102 | 93 | 120 | 89 | 98 |
| ITALY | 1.91 | 215 | 214 | 239 | 218 | 233 |
| NETHERL. | 0.50 | 79 | 74 | 93 | 70 | 146 |
| SPAIN | 1.14 | 145 | 108 | 145 | 158 | |
| SWEDEN | 0.40 | 69 | | 68 | 84 | |
| SWITZ. | 0.42 | 72 | 72 | | | |

FUR SNP/Senior HoldCO 7-Spread Net Change (bps)

| EOIT OIT 700 | YTDΔ Last 5 Days Δ | | | | | |
|--------------|--------------------|-----|------|------|------|-------|
| | | | | , | | |
| | All | All | 1-3Y | 3-5Y | 5-7Y | > 7 Y |
| UK | 121 | -9 | -6 | -9 | -9 | -13 |
| DENMARK | 94 | -7 | -6 | -8 | -8 | |
| FINLAND | 72 | -7 | | -7 | | |
| FRANCE | 75 | -5 | -1 | -4 | -5 | -6 |
| GERMANY | 114 | -18 | -21 | -11 | -30 | -15 |
| ITALY | 193 | -8 | -7 | -14 | -7 | -14 |
| NETHERL. | 65 | -7 | -5 | -7 | -7 | -9 |
| SPAIN | 113 | -4 | -3 | -4 | -4 | -2 |
| SWEDEN | 65 | -9 | | -4 | -8 | -10 |
| SWITZ. | 100 | -5 | | | -5 | -5 |

EUR SNP/Senior

| | Yield | | Z Spre | ead Value | e (bps) | |
|----------|-------|-----|--------|-----------|---------|-------|
| | (%) | All | 1-3Y | 3-5Y | 5-7Y | > 7 Y |
| UK | 1.53 | 181 | 157 | 173 | 202 | 178 |
| DENMARK | 1.35 | 161 | 140 | 163 | 178 | |
| FINLAND | 0.82 | 111 | | 111 | | |
| FRANCE | 1.03 | 129 | 119 | 115 | 128 | 133 |
| GERMANY | 1.54 | 182 | 283 | 169 | 241 | 164 |
| ITALY | 2.91 | 321 | 274 | 551 | 322 | 299 |
| NETHERL. | 0.85 | 108 | 100 | 93 | 121 | 118 |
| SPAIN | 1.55 | 177 | 131 | 202 | 172 | 201 |
| SWEDEN | 1.01 | 129 | | 130 | 112 | 122 |
| SWITLZ. | 1.41 | 166 | | | 167 | 166 |

| EUR Her 2 Z-Spread Net Change (bps) | | | | | | | |
|-------------------------------------|------|-----|------|------|------|-------|--|
| | YTD∆ | | | 5D∆ | | | |
| | All | All | 1-3Y | 3-5Y | 5-7Y | > 7 Y | |
| UK | 171 | -23 | -20 | -20 | -63 | -26 | |
| DENMARK | 148 | -15 | | | -20 | -14 | |
| FINLAND | 153 | -11 | -3 | | -34 | -7 | |
| FRANCE | 99 | -19 | -11 | -17 | -17 | -19 | |
| GERMANY | 246 | -12 | | | | | |
| ITALY | 173 | -27 | -24 | -25 | -21 | -33 | |
| NETHERL. | 141 | -17 | -14 | -10 | -16 | -18 | |
| SPAIN | 239 | -12 | | -11 | -12 | -13 | |
| SWEDEN | 112 | -12 | | | -19 | -12 | |

EUR Tier 2

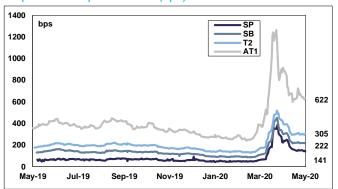
| | Yield | | Z Spre | ead Value | (bps) | |
|----------|-------|-----|--------|-----------|-------|-------|
| | (%) | All | 1-3Y | 3-5Y | 5-7Y | > 7 Y |
| UK | 2.31 | 259 | 230 | 257 | 489 | 292 |
| DENMARK | 2.31 | 260 | | | 297 | 259 |
| FINLAND | 2.19 | 245 | 134 | | 212 | 302 |
| FRANCE | 1.86 | 199 | 145 | 173 | 193 | 216 |
| GERMANY | 3.53 | 373 | | 373 | 431 | 206 |
| ITALY | 4.22 | 450 | 362 | 291 | 338 | 509 |
| NETHERL. | 2.44 | 263 | 162 | 155 | 281 | 295 |
| SPAIN | 3.50 | 370 | | 199 | 370 | 517 |
| SWITZ. | 2.24 | 247 | | | 242 | 249 |

Source: Bloomberg, Daiwa Capital Markets Europe. SP = Senior Preferred/Senior OpCp; SNP = Senior Non- Preferred/ Senior HoldCo; T2= Tier 2; AT1 = Additional Tier 1. All figures based on Z to worst spread of public benchmark issuances. Blank cells represent lack of statistically significant data. Figures may not be representative of the whole market and are not corrected for duration.

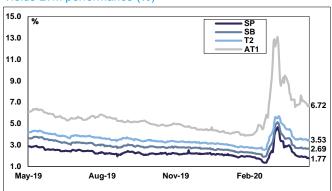


Western European Banks USD Z spreads

Z-spreads LTM performance (bps)



Yields LTM performance (%)



USD SP/Senior Opco Z-Spread Net Change (bps)

| | | | | • | | |
|----------|------|-----|------|------|------|-------|
| | YTD∆ | | | 5D∆ | | |
| | All | All | 1-3Y | 3-5Y | 5-7Y | > 7 Y |
| UK | 95 | 0 | -10 | 6 | | |
| DENMARK | 27 | 1 | -17 | | | |
| FINLAND | 10 | 0 | -20 | | | |
| FRANCE | 70 | -2 | 0 | -3 | -11 | |
| GERMANY | 9 | 0 | | | | |
| ITALY | 167 | -2 | -9 | -4 | 5 | |
| NETHERL. | 118 | -9 | -14 | | | |
| SPAIN | 59 | -1 | | -8 | | |
| SWEDEN | 16 | 0 | -42 | | | |
| SWITZ. | 126 | -15 | -15 | -9 | | |

USD SP/Senior OpCo

| | Yield | | Z Spre | ead Value | e (bps) | |
|----------|-------|-----|--------|-----------|---------|-------|
| | (%) | All | 1-3Y | 3-5Y | 5-7Y | > 7 Y |
| UK | 2.05 | 124 | 99 | 159 | | |
| DENMARK | 1.80 | 20 | 143 | | | |
| FINLAND | 0.59 | 23 | 66 | | | |
| FRANCE | 1.79 | 114 | 113 | 154 | 160 | |
| GERMANY | 0.50 | 12 | | | | |
| ITALY | 3.98 | 328 | 291 | 327 | | |
| NETHERL. | 3.17 | 243 | 96 | | | |
| SPAIN | 2.89 | 192 | | 160 | | |
| SWEDEN | 0.57 | 20 | 110 | | | |
| SWITZ. | 1.89 | 132 | 119 | 182 | | |

USD SNP/Senior HoldCo Z-Spread Net Change (bps)

| | YTD∆ | | | 5D∆ | | |
|----------|------|-----|------|------|------|-------|
| | All | All | 1-3Y | 3-5Y | 5-7Y | > 7 Y |
| UK | 115 | -4 | -17 | -7 | 0 | 4 |
| DENMARK | 158 | -15 | -27 | -55 | 0 | |
| FINLAND | 116 | 5 | | 5 | | |
| FRANCE | 126 | 1 | -3 | -2 | 4 | 8 |
| GERMANY | 231 | -15 | -37 | 22 | -20 | |
| ITALY | 295 | -15 | -2 | -29 | | |
| NETHERL. | 102 | -8 | -9 | -14 | 0 | -5 |
| SPAIN | 140 | -1 | -15 | | 10 | 10 |
| SWITZ. | 120 | -21 | -32 | -30 | | 10 |

USD SNP/Senior

| | Yield | | Z Spre | ad Value | s (bps) | |
|----------|-------|-----|--------|----------|---------|-------|
| | (%) | All | 1-3Y | 3-5Y | 5-7Y | > 7 Y |
| UK | 2.61 | 213 | 157 | 202 | 218 | 249 |
| DENMARK | 2.99 | 260 | 232 | 265 | 285 | |
| FINLAND | 2.37 | 194 | | 194 | | |
| FRANCE | 2.68 | 224 | 183 | 214 | 227 | 237 |
| GERMANY | 4.19 | 377 | 367 | 394 | 400 | |
| ITALY | 4.90 | 433 | 413 | 453 | | |
| NETHERL. | 2.35 | 186 | 136 | 166 | 199 | 216 |
| SPAIN | 2.91 | 240 | 209 | | 270 | 268 |
| SWITZ. | 2.68 | 187 | 173 | 183 | | 249 |

LISD Tier 2.7-Spread Net Change (hps)

| USD Her 2 Z | YTD∆ | | 5D∆ | | | | |
|-------------|------|-----|------|------|------|-------|--|
| | All | All | 1-3Y | 3-5Y | 5-7Y | > 7 Y | |
| UK | 169 | -2 | -7 | -2 | -2 | 0 | |
| FINLAND | 135 | -11 | -11 | | | | |
| FRANCE | 163 | 0 | | 1 | -1 | 0 | |
| GERMANY | 273 | -8 | | | | | |
| ITALY | 257 | -18 | | 0 | -24 | -18 | |
| NETHERL. | 166 | -6 | -3 | -6 | -7 | -7 | |
| SPAIN | 197 | -8 | | | -8 | | |

USD Tier 2

| USD Her 2 | | | | | | | |
|-----------|--------------|-----------------------|------|------|------|-------|--|
| | Yield (%) | Z Spread Values (bps) | | | | | |
| | | All | 1-3Y | 3-5Y | 5-7Y | > 7 Y | |
| UK | 3.90 | 321 | 298 | 304 | 268 | 292 | |
| FINLAND | 2.92 | 216 | 216 | | | | |
| FRANCE | 3.55 | 302 | | 300 | 277 | 339 | |
| GERMANY | 6.42 | 553 | | 553 | | 472 | |
| ITALY | 5.88 | 570 | | | 503 | 576 | |
| NETHERL. | 3.42 | 298 | 212 | 225 | 236 | 397 | |
| SPAIN | 3.78 | 320 | | | 320 | | |

Source: Bloomberg, Daiwa Capital Markets Europe. SP = Senior Preferred/Senior OpCp; SNP = Senior Non- Preferred/ Senior HoldCo; T2= Tier 2; AT1 = Additional Tier 1. All figures based on Z to worst spread of public benchmark issuances. Blank cells represent lack of statistically significant data. Figures may not be representative of the whole market and are not corrected for duration.



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[Standard & Poor's]

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[Moody's]

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The name of the Credit Rating Agencies group: Moody's Investors Service ("MIS")

The name and registration number of the Registered Credit Rating Agency in the group: Moody's Japan K.K. (FSA commissioner (Rating) No.2)

How to acquire information related to an outline of the rating policies and methods adopted by the person who determines Credit Ratings

The information is posted under "Unregistered Rating explanation" in the section on "The use of Ratings of Unregistered Agencies" on the website of Moody's Japan K.K. (The website can be viewed after clicking on "Credit Rating Business" on the Japanese version of Moody's website (https://www.moodys.com/pages/default_ja.aspx)

Assumptions, Significance and Limitations of Credit Ratings

Credit ratings are Moody's Investors Service's ("MIS") current opinions of the relative future credit risk of entities, credit commitments, or debt or debt-like securities. MIS defines credit risk as the risk that an entity may not meet its contractual, financial obligations as they come due and any estimated financial loss in the event of default. Credit ratings do not address any other risk, including but not limited to: liquidity risk, market value risk, or price volatility. Credit ratings do not constitute investment or financial advice, and credit ratings are not recommendations to purchase, sell, or hold particular securities. No warranty, express or implied, as to the accuracy, timeliness, completeness, merchantability or fitness for any particular purpose of any such rating or other opinion or information, is given or made by MIS in any form or manner whatsoever.

Based on the information received from issuers or from public sources, the credit risks of the issuers or obligations are assessed. MIS adopts all necessary measures so that the information it uses in assigning a credit rating is of sufficient quality and from sources MIS considers to be reliable. However, MIS is not an auditor and cannot in every instance independently verify or validate information received in the rating process.

This information is based on information Daiwa Securities Co. Ltd. has received from sources it believes to be reliable as of April 16th, 2018, but it does not guarantee accuracy or completeness of this information. For details, please refer to the website of Moody's Japan K.K. (https://www.moodys.com/pages/default_ja.aspx)

[Fitch]

The Name of the Credit Rating Agencies group, etc

The name of the Credit Rating Agencies group: Fitch Ratings ("Fitch")

The name and registration number of the Registered Credit Rating Agency in the group: Fitch Ratings Japan Limited (FSA commissioner (Rating) No.7)

How to acquire information related to an outline of the rating policies and methods adopted by the person who determines Credit Ratings

The information is posted under "Outline of Rating Policies" in the section of "Regulatory Affairs" on the website of Fitch Ratings Japan Limited (https://www.fitchratings.com/site/japan)

Assumptions, Significance and Limitations of Credit Ratings

Ratings assigned by Fitch are opinions based on established criteria and methodologies. Ratings are not facts, and therefore cannot be described as being "accurate" or "inaccurate". Credit ratings do not directly address any risk other than credit risk. Credit ratings do not comment on the adequacy of market price or market liquidity for rated instruments. Ratings are relative measures of risk; as a result, the assignment of ratings in the same category to entities and obligations may not fully reflect small differences in the degrees of risk. Credit ratings, as opinions on relative ranking of vulnerability to default, do not imply or convey a specific statistical probability of default.

In issuing and maintaining its ratings, Fitch relies on factual information it receives from issuers and underwriters and from other sources Fitch believes to be credible. Fitch conducts a reasonable investigation of the factual information relied upon by it in accordance with its ratings methodology, and obtains reasonable verification of that information from independent sources, to the extent such sources are available for a given security or in a given jurisdiction. The assignment of a rating to any issuer or any security should not be viewed as a guarantee of the accuracy, completeness, or timeliness of the information relied on in connection with the rating or the results obtained from the use of such information. If any such information should turn out to contain misrepresentations or to be otherwise misleading, the rating associated with that information may not be appropriate. Despite any verification of current facts, ratings can be affected by future events or conditions that were not anticipated at the time a rating was issued or affirmed.

For the details of assumption, purpose and restriction of credit ratings, please refer to "Definitions of ratings and other forms of opinion" on the website of Fitch Rating Japan Limited.

This information is based on information Daiwa Securities Co. Ltd. has received from sources it believes to be reliable as of September 27th, 2019, but it does not guarantee accuracy or completeness of this information. For details, please refer to the website of Fitch Rating Japan Limited (https://www.fitchratings.com/site/japan)

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