

Article Title: ARCHIVE | Criteria | Corporates | General: Reflecting Subordination Risk In Corporate Issue Ratings Data: (EDITOR'S NOTE: —This article is no longer current. It has been superseded by "Reflecting Subordination Risk In Corporate Issue Ratings," published March 28, 2018.) OVERVIEW AND SCOPE 1. S&P; Global Ratings is publishing its methodology for rating the debt of investment-grade corporate issuers and some speculative-grade corporate issuers. 2. We intend for these criteria to enhance the comparability and transparency of our issue credit ratings. 3. These criteria supersede our current criteria for issue credit ratings, "2008 Corporate Criteria: Rating Each Issue," published April 15, 2008, as well as several other criteria articles listed in the section Related Criteria And Research. This updated methodology follows our request for comment titled, "Request For Comment: Reflecting Subordination Risk In the Issue Ratings Of Corporate Issuers," published May 9, 2017. For a comparison of the changes between the RFC and the final criteria, see "RFC Process Summary: Reflecting Subordination Risk In Corporate Issue Ratings," also published Sept. 21, 2017. 4. We use these criteria to determine issue credit ratings for debt of issuers whose long-term issuer credit ratings (ICRs) we derive using one of our corporate ratings methodologies. These issuers include: Investment-grade (that is, a global scale ICR of 'BBB-' or higher) nonfinancial corporate issuers. These include national scale issuers, when the national scale rating on the issuer maps to an investment-grade rating on the global scale (see "S&P; Global Ratings' National And Regional Scale Mapping Tables," published Aug. 14, 2017). Speculative-grade (that is, a global scale ICR of 'BB+' or lower) nonfinancial corporate issuers domiciled in countries where we do not assign a jurisdiction ranking assessment or where we assign a jurisdiction ranking assessment of Group C (see "Methodology: Jurisdiction Ranking Assessments," published Jan. 20, 2016). These criteria also apply to national scale issuers domiciled in Group C and in unranked jurisdictions, whose creditworthiness maps to speculative-grade ratings on the global scale. Finally, our criteria apply to speculative-grade issuers in any Group A or B jurisdictions where we do not apply our recovery rating methodology. Certain nonbank financial institutions (NBFIs) and related entities, as detailed in the criteria article "Issue Credit Rating Methodology For Nonbank Financial Institutions And Nonbank Financial Services Companies," published Dec. 9, 2014, which indicates to which NBFIs we apply these criteria. 5. For those issuers or debt classes not in scope of these criteria, see Appendix 8: Scope Exclusions. Key Publication Dates Original publication date: Sept. 21, 2017. Effective date: Sept. 21, 2017, except in markets that require prior notification to, and/or registration by, the local regulator. In these markets, the criteria become effective when so notified by S&P; Global Ratings and/or registered by the regulator. •These criteria address the fundamentals set out in "Principles Of Credit Ratings," published on Feb. 16, 2011. IMPACT ON OUTSTANDING RATINGS 6. We expect up to 5% of in-scope issuers to see a ratings change in one or more of their rated debt issuances. We expect the rating changes to be about evenly split between upgrades and downgrades, with the overwhelming majority of changes limited to one notch. We intend to complete our review of all affected ratings within the next six months. METHODOLOGY 7. These criteria differentiate the issue credit ratings of debt that is materially subordinated to other better-positioned or more senior-ranking debt. 8. If a debt instrument is significantly subordinated to other debt, we signal its relative disadvantage by notching the issue credit rating down once from the ICR. 9. Our notching analysis framework comprises six steps (see chart 1). 10. These criteria outline our methodology for assigning issue credit ratings that signal whether certain debt instruments could potentially be significantly subordinated relative to other debt in the issuer's consolidated capital structure. Our methodology does not model a specific bankruptcy scenario and postdefault recovery amounts because the nature of such hypothetical developments is too uncertain to reliably forecast, especially for investment-grade issuers that are far from a potential default. 11. To apply these criteria to groups, we use the same scope of consolidation analysis as defined in "Corporate Methodology: Ratios And Adjustments," published Nov. 19, 2013, with the exception of hybrid debt and non-recourse debt, as explained in Appendix 9: Definitions and Appendix 6: Non-Recourse Debt, respectively. For a group that issues debt from more than one issuer, the six steps described below are applied to each class of debt to be rated at each entity. Step 1: Determine if the debt to be rated is contractually subordinated. 12. We typically notch the issue credit rating of contractually subordinated debt down once from the ICR to signal the higher risk that this class of debt carries relative to more senior debt. Contractually subordinated debt ranks below other debt regarding

claims against the issuer's assets, due to provisions in the debt instrument's documentation. When creditors explicitly agree to rank junior to other creditors, they have accepted a relatively higher risk of loss on their investment. Step 2: Determine if the debt to be rated is secured. 13. Secured debt is better positioned than unsecured debt because of the additional protection that the security may provide (see our definition of secured debt in Appendix 9: Definitions). We reflect the secured lenders' priority relative to other lenders by rating the secured debt at the same level as the ICR. Step 3: Determine if the issuer's leverage is sufficiently low to offset potential subordination. 14. If an issuer is relatively lowly leveraged, it is less likely that the debt to be rated would be significantly disadvantaged to more senior debt. 15. We consider that issuers whose financial risk profile (FRP) assessment is "minimal" or "modest" (as defined in one of our corporate methodologies such as "Corporate Methodology," published Nov. 19, 2013) have leverage that is low enough to limit the possibility of any lenders being significantly disadvantaged relative to other lenders. In such a case, we typically rate the debt of such issuers at the same level as the ICR of the issuer. 16. For the purpose of applying the rule in the preceding paragraph, for issuers that are members of groups (see "Group Rating Methodology" [GRM], published Nov. 19, 2013), we use either the FRP of the ultimate parent or of the issuer itself, depending on the issuer's importance to the group's identity and strategy. For non-insulated subsidiaries, if the issuer's group status, as reflected in its GRM classification, is "core" or "highly strategic," we would use the FRP of the group. If the issuer's group status is "strategically important," "moderately strategic," or "nonstrategic," we use the FRP of the issuer's stand-alone credit profile (see "Stand-Alone Credit Profiles: One Component Of A Rating," published Oct. 1, 2010). For insulated subsidiaries, we always use the FRP of the issuer's stand-alone credit profile. 17. If the entity or group credit profile does not have an FRP assessment because we derive the creditworthiness from a methodology that does not incorporate a FRP, we proceed to Step 4. Step 4: Determine if there is a significant proportion of secured debt in the issuer's consolidated capital structure, by calculating the secured debt ratio. 18. The secured debt ratio is used to determine if there is a significant proportion of secured debt in an issuer's consolidated capital structure--that is, when the secured debt comprises more than 50% of the issuer's total consolidated debt--we consider that the unsecured debt is inherently disadvantaged because the secured lenders have priority over the unsecured lenders. 19. If the secured debt ratio is more than 50%, we view the remaining unsecured debt as likely to be significantly disadvantaged, and reflect this by rating the unsecured debt one notch below the ICR. Step 5: Determine if the total secured debt issued by the issuer and its subsidiaries--combined with the unsecured debt issued by the subsidiaries of the issuer--comprises more than half of total consolidated debt, by calculating the priority debt ratio. 20. The priority debt ratio is used to determine if there is a significant proportion of total consolidated debt issued by the issuer's subsidiaries. If subsidiary debt is significant, we believe that lenders to the issuer of the debt to be rated could be meaningfully structurally subordinated if the group's income-generating assets are located in subsidiary operating companies, rather than at the level of the issuer of the debt to be rated. 21. If the priority debt ratio is more than 50%, we consider the issuer's unsecured debt to be subordinated, and rate it one notch lower than our ICR on the issuer. The existence of one or more of the following conditions mitigate subordination risk identified in Step 5: At least 30% of the issuer's and its subsidiaries' consolidated earnings, cash flow, or other similar financial metric is derived from operating assets owned by the issuer, and/or from guarantors that provide qualifying upstream guarantees of the total debt to be rated (see the section Upstream Guarantees). The issuer is a well-diversified company (see Appendix 3: Diversified Issuers). The issuer is a qualifying government-related entity (GRE) (see Appendix 5: Notching Of Debt Issued By Government-Related Entities). 22. If the priority debt ratio is less than 50%, then the preliminary notching outcome is the same as our ICR on the issuer. If the priority debt ratio is more than 50%, and none of the conditions in paragraph 24 are met, the preliminary notching outcome is one notch below the ICR. 23. We typically treat the debt issued by subsidiaries that are financing vehicles as if it were issued by their immediate parent (i.e. the owner of the financial vehicle). We consider financing vehicles to be entities that exist solely to issue debt on behalf of their immediate parent and that do not own any operating assets or shares in operating subsidiaries. The ICR on the parent is typically the reference point in determining the issue credit ratings of debt issued by such financing vehicle subsidiaries. Step 6: Determine if a notching adjustment applies. 24. In the vast majority of cases, the preliminary notching outcome will be

the final notching outcome. However, in rare situations, we may adjust the preliminary notching outcome if we believe that such an outcome does not fully capture the debt's relative subordination or, alternatively, priority ranking. We expect to apply this adjustment rarely and only in cases where we strongly believe that conditions support a final notching outcome that is different than the preliminary outcome. If we adjust the preliminary notching outcome, the final notching outcome will result in an issue credit rating in line with, or one notch below, the ICR. 25. A notching adjustment is potentially applicable to all preliminary notching outcomes, including those assigned to debt issued by qualifying utilities (see Appendix 1: Notching Of Investment-Grade Regulated Utilities' Senior Unsecured Debt) and by qualifying issuers in Group C jurisdictions (see Appendix 4: Notching Of Debt Issued By Companies Domiciled In Group C Jurisdictions). UPSTREAM GUARANTEES 26. Guarantees extended by subsidiaries to parent level debt (i.e., upstream guarantees) may overcome structural subordination by putting the claims of parent company creditors *pari passu* with those of operating company creditors. 27. The two main potential risks to upstream guarantees are: A court may consider an upstream guarantee to be invalid due to a lack of consideration, for example, if the subsidiary did not receive equivalent value in return for granting its guarantee; or A court may consider that the guarantee has created a "fraudulent conveyance" or "preferential payment," if it deems the guarantee to have been granted to hinder or defraud certain creditors or if the subsidiary was insolvent at the time it granted the guarantee. This could happen, for example, if the parent and subsidiaries file for insolvency proceedings soon after the subsidiaries grant the upstream guarantees. Different jurisdictions typically have different look-back time periods from the time of a bankruptcy filing to determine whether an entity was insolvent prior to a bankruptcy filing. The look-back period is often one to two years. 28. For us to consider an upstream guarantee to be sufficiently able to mitigate notching of parent level debt vis-à-vis operating level debt, we generally require that the guarantee be unconditional, irrevocable, and that it meets at least one of the following conditions, subject to relevant jurisdiction-specific considerations: The proceeds of the guaranteed obligation are downstreamed to the guaranteeing subsidiary/subsidiaries as an equity infusion or as a loan, thereby benefiting the subsidiary/subsidiaries that issued the guarantee(s). The subsidiary is considered to be solvent at the time of granting the guarantee. For example, our view of the guarantor's creditworthiness was equivalent to at least a 'B-' global scale ICR, at the time the guarantee was put in place. We rate the transaction after the legal look-back risk period in connection with fraudulent conveyance in the given jurisdiction. For example, if the look-back period is 90 days and we are rating a transaction 90 days after the upstream guarantees were put in place, this condition would be met. We have a legal opinion from outside counsel that the upstream guarantees are valid. On a jurisdiction-by-jurisdiction basis, we may determine different factors that can reduce, or that are required to reduce, risks in connection with the validity of upstream guarantees from subsidiaries. APPENDIXES 1. Notching Of Investment-Grade Regulated Utilities' Senior Unsecured Debt 29. We equalize the issue credit ratings on the unsecured debt of regulated investment-grade utility operating companies with their ICRs, to reflect our view that these unsecured lenders are not significantly disadvantaged compared with more senior lenders. This approach does not affect the unsecured issue credit ratings of investment-grade unregulated parent holding companies or unregulated affiliates that issue unsecured debt, both of which are subject to the framework detailed in the Methodology section. Nor does this approach apply to contractually subordinated debt, which we generally rate one notch below the ICR (subject to the potential application of a notching adjustment). 30. The equalization of the issue credit ratings to the ICR of these utility companies is supported by empirical data and applies if all of the following conditions are met: The issuer is a regulated utility that offers an essential or near-essential infrastructure product, commodity, or service with little or no practical substitute; has a business model that is shielded from competition; and is subject to either comprehensive regulation by a regulatory body or to implicit oversight of its rates or tariffs, service quality, and terms of service. The regulators set rates based on some form of cost recovery, including an economic return on assets, rather than relying on a market price. The utility is subject to regulatory constraints on its ability to add debt, which in our judgment would result in higher average recovery rates for unsecured creditors. The utility's mortgage indenture restricts the issuance of secured debt. As a result, we expect the amount of secured debt (including utility first mortgage bonds), to be less than 70% of the book value of the utility's net property plant and equipment. 31. These industry-specific

factors indicate that we can reasonably anticipate relatively good recovery rates for regulated utilities' unsecured debt. If the utility does not meet the above conditions, the debt to be rated will be analyzed according to the framework detailed in the Methodology section. 32. These utility companies are also subject to the application of Step 6 (notching adjustment) for rare situations where we may choose to rate regulated utilities' senior unsecured debt one notch below our ICR on the issuer, even if the conditions in paragraph 30 are met. 2. Implications Of Bank Loan Waivers For Issue Credit Ratings of Japanese Corporates 33. Loan waivers, mostly in the form of debt-for-equity swaps, are sometimes extended by Japanese banks to large troubled Japanese corporate borrowers. When Japanese corporates receive loan waivers from their key lender banks, they usually continue to honor other debts on a timely basis. If S&P; Global Ratings believes that other debts will continue to be honored during a loan waiver process, we may assign an issue rating above the ICR to these debt obligations. 34. Generally, we are more likely to assign an issue credit rating above the ICR to debt obligations that we expect to be honored during a loan waiver, when: The ICR is low. Only companies with speculative-grade ICRs may benefit from upward rating adjustments due to our anticipation of a loan waiver. The company is large. Historically, loan waivers are more common for large Japanese companies. Lender banks have a track record of providing support. This support may include rolling over short-term financing, appointing bank personnel to key management roles within the company, or assisting in business planning. Such support would likely indicate the banks' willingness to provide further support, including loan waivers if ultimately required, to keep borrowers afloat without forcing them into legal proceedings. The company's financial problems are largely attributable to its heavy debt burden, while its core business activities remain fundamentally sound. 35. We believe that the lower the ICR, the more pronounced the difference can be in the default probabilities of an issuer's debt instruments. However, we limit the issue credit rating to no more than two notches above the ICR if it is 'B-' or above. In addition, issue credit ratings that are notched up due to our expectation of a loan waiver do not exceed 'BB+'. If the ICR is 'CCC+' or below, and we are highly confident that a loan waiver will occur without the company defaulting on its other debt, the issue credit rating uplift may exceed two notches, but the issue credit rating would not exceed 'B+'. 36. We also consider potential notching down for Japanese companies' debt issues according to the main methodology framework as described in the Methodology section. To rate the debt issue, any downward notching due to subordination risk will be netted against any potential upward notching arising from expected loan waivers, as described in this section. 37. When a rated borrower receives a loan waiver, we revise the ICR to selective default ('SD'; see "Rating Implications Of Exchange Offers And Similar Restructurings, Update," published May 12, 2009). 3. Diversified Issuers 38. An issuer's business or geographic diversity may improve the prospect of the residual value remaining for holding company creditors because the company's individual subsidiaries could retain value differently based on their distinct businesses, some with shortfalls and others with surpluses. Diversity could mitigate subordination when there are no cross guarantees (or similar cross support mechanisms) between the subsidiaries, and one of the following applies: Under our "Corporate Methodology," published Nov. 19, 2013, we assess the company's diversification/portfolio effect as "moderately diversified" or "significantly diversified"; or The issuing entity has separate operating subsidiaries in at least three global regions; or the issuing entity has separate operating subsidiaries in at least three countries and we believe these countries to have low economic correlation. In addition, we believe that each of these subsidiaries (whether regional or by country) generates at least 10% and no more than 50% of the issuer's EBITDA or cash flow. 39. Diversity is likely to mitigate subordination when we have no information that leads us to believe that the current diversification benefits will dissipate in the foreseeable future, for example, because of a contemplated asset sale. If diversity is expected to diminish such that the conditions above are no longer met, we would not incorporate any benefit in our analysis. 40. For issuers that meet the conditions in paragraphs 38 and 39, a more liberal priority debt ratio may be applied to reflect the benefit the diversity of assets might provide. For such issuers, we may notch down for subordination risk if the priority debt ratio exceeds 75%. 4. Notching Of Debt Issued By Companies Domiciled In Group C Jurisdictions 41. We generally equalize the issue credit ratings with the ICRs for all issuers located (or issuers with the majority of their asset located) in certain Group C-ranked jurisdictions (see "Methodology: Jurisdiction Ranking Assessments," published Jan. 20, 2016) where we expect

bankruptcy proceedings will occur, subject to meeting all of the following conditions: Our rule-of-law risk assessment is '4', '5', or '6'; Our creditor-friendliness assessment is '4' or '5'; and The creditor-friendliness subfactor "Conformity of the distribution of proceeds to legal rankings of claims" is scored as '4'. 42. These companies are also subject to the application of Step 6 (notching adjustment) for rare situations where we may choose to rate a given debt issuance one notch below our ICR on the issuer, even if the conditions above are met, if specific terms or characteristics of the debt lead us to believe that notching down more appropriately captures the relative subordination of the debt. 5. Notching Of Debt Issued By Government-Related Entities 43. For all GREs, we notch down debt issues that are contractually subordinated or those that are disadvantaged relative to secured lenders as defined in Step 4 of the Methodology section. However, we equalize the issue credit ratings with the ICR for structurally subordinated debt issues of GREs that have an "almost certain" or "extremely high" likelihood of extraordinary government support when the GRE meets at least one of the following two conditions: The GRE or the majority of its assets is located in certain Group C-ranked jurisdictions where we expect bankruptcy proceedings will occur and the jurisdiction's: i) Rule-of-law risk assessment score is '4', '5', or '6'; ii) Creditor-friendliness assessment score is '4' or '5'; and iii) The creditor-friendliness subfactor "Conformity of the distribution of proceeds to legal rankings of claims" is scored as '4'. We have concluded that the GRE would not be subject to the local insolvency regime in case of a default as discussed in the "Rating GRE debt obligations" section of "Rating Government-Related Entities: Methodology And Assumptions," published March 25, 2015. 44. We also equalize the issue credit ratings with the ICR for structurally subordinated debt issues of GREs that have a "very high" or "high" likelihood of extraordinary government support in jurisdictions where we believe the government is willing and able to intervene so that structurally subordinated lenders would not have worse recovery prospects than structurally senior lenders. We equalize the ratings when all of the following conditions are met: The government has significant ownership interests in the domestic banking sector, which provides it with a dominant role in the allocation and enforcement of credit in the domestic market; We believe that there is a significant reputational and economic incentive for the government to ensure that structurally subordinated creditors are not materially disadvantaged in a postdefault scenario; and Historical recovery experience and future expected recovery outcomes are consistent with our expectation that structurally subordinated creditors will not be materially disadvantaged in the default scenario. 45. The notching treatment of certain GREs under this Appendix reflects our expectation that the government will heavily influence a potential debt restructuring and, as a result, we cannot reliably determine how subordination to structurally prioritized debt will impact the post default recovery prospects of unsecured debtholders. 6. Non-Recourse Debt 46. We generally exclude debt that is legally non-recourse to the issuing group from both the secured debt ratio and the priority debt ratio calculations if all of the following conditions are met: The lenders do not have legal recourse to seek a claim on the issuer (other than the assets pledged as security) or any entities in the issuing group, and we believe that the debt would not be consolidated in a bankruptcy; There are no loan documentation carve-out provisions or cross-default provisions that may allow non-recourse lenders to convert a loan into a full recourse loan in the event of bankruptcy or some other trigger, or that could result in debt of an entity in the issuing group being accelerated for repayment; and We conclude that the issuing group will not have a material economic, operational, or moral imperative to support the non-recourse debt. 47. Examples of debt that may be legally non-recourse are project finance debt, non-recourse mortgages, and joint-venture debt. 7. Notching of Hybrid Capital 48. These criteria partially supersede "Hybrid Capital Handbook: September 2008 Edition," published Sept. 15, 2008, with regard to how much we notch down the ratings on subordinated debt and preferred stock/shares (collectively, "junior instruments" in this Appendix) for subordination risk, for speculative-grade and investment-grade corporate issuers in all ranked and unranked jurisdictions. The rating on these junior instruments is derived by notching down for both (1) subordination risk, as we explain in this article, and (2) payment deferral risk, if any, as we explain in "Hybrid Capital Handbook: September 2008 Edition." Such notching down is cumulative, so notching down for subordination risk is in addition to any potential notching down for deferral risk. 49. Specifically, we notch down junior instruments for subordination risk as follows: We notch down twice for speculative-grade issuers of junior instruments in Group A and Group B jurisdictions. We notch down once for speculative-grade

issuers of junior instruments in Group C or unranked jurisdictions. We notch down once for investment-grade issuers of junior instruments regardless of the jurisdiction ranking.

8. Scope Exclusions These criteria do not apply to: Aircraft-backed equipment trust certificates and enhanced equipment trust certificates. We determine these issue credit ratings in accordance with "Criteria For Rating Aircraft-Backed Debt And Enhanced Equipment Trust Certificates," published Sept. 12, 2002. Debt issued by captive finance subsidiaries. For more detailed information see "Methodology: The Impact Of Captive Finance Operations On Nonfinancial Corporate Issuers," published Dec. 14, 2015. Similarly, we would not incorporate debt issued by captive finance subsidiaries into our notching analysis of its parent's debt, according to these criteria. For the methodology we use to assign ratings to debt issued by a captive finance subsidiary, see "Issue Credit Rating Methodology For Nonbank Financial Institutions And Nonbank Financial Services Companies," published Dec. 9, 2014. Secured and senior unsecured debt issued by companies in Group A-ranked and Group B-ranked jurisdictions in the real estate industry. We determine issue credit ratings for real estate investment-grade issuers according to "Key Credit Factors For The Real Estate Industry," published Feb. 26, 2018. For speculative-grade real estate issuers, we determine issue ratings according to "Recovery Rating Criteria For Speculative-Grade Corporate Issuers," published Dec. 7, 2016, unless we do not apply our recovery rating criteria in the jurisdiction. For speculative-grade real estate issuers in Group A-ranked or Group B-ranked jurisdictions where we do not apply our recovery rating criteria, we derive the issue credit ratings by applying the "Key Credit Factors For The Real Estate Industry," published Feb. 26, 2018. We derive issue credit ratings for investment-grade and speculative-grade real estate companies in Group C or in unranked jurisdictions by applying these "Reflecting Subordination Risk In Corporate Issue Ratings" criteria. Qualifying senior secured debt issued by investment-grade and speculative-grade utilities. We determine these issue credit ratings according to "Collateral Coverage And Issue Notching Rules For '1+' And '1' Recovery Ratings On Senior Bonds Secured By Utility Real Property," published Feb. 14, 2013. Structurally enhanced debt issued by regulated utilities and transportation infrastructure companies. We determine these issue credit ratings according to "Rating Structurally Enhanced Debt Issued By Regulated Utilities And Transportation Infrastructure Businesses," published Feb. 24, 2016. Debt issued by some railroads. We determine these issue credit ratings according to "Railroad Equipment Trust Certificate Rating Criteria," published Sept. 4, 2002.

9. Definitions Debt: These criteria only consider debt that we include in our assessment of the financial risk profile of the issuer, with the exception of hybrid debt, which we take at full face value, regardless of any equity content we may assign, and with the exception of non-recourse debt, which is generally excluded if it meets the conditions described in Appendix 6: Non-Recourse Debt. We also do not include adjustments for nondebt claims, such as unfunded pension liabilities, all lease obligations, and other nondebt liabilities, according to the criteria article, "Corporate Methodology: Ratios And Adjustments," published Nov. 19, 2013. In addition, we do not include inter-company loans, nor the undrawn portion of credit facilities, in our definition of debt. Contractually subordinated debt: Debt that, as detailed in the loan agreement or indenture, is subordinated to other debt instruments. Issuer: The entity that is issuing the debt to be rated. Secured debt: Generally includes debt to which the issuer (or borrower) pledges, on a first-priority basis, asset(s) as collateral for the obligation. While the nature of such pledges (or security interest) can vary between legal jurisdictions, typical types of security interests include mortgages, floating charges, pledges, and senior liens. Unsecured debt: Debt that is not defined as secured debt and that S&P Global Ratings uses to derive the FRP (see the Scope of Consolidation section in the criteria article "Corporate Methodology," published Nov. 19, 2013). Unsecured debt includes hybrid debt instruments at full face value. Subsidiary: Any company owned (either wholly or partly) by the issuer, whose debt (either wholly or partly) is part of the scope of consolidation (see "Corporate Methodology: Ratios And Adjustments," published Nov. 19, 2013), and which is used to derive the issuer's FRP. We typically treat debt issued by subsidiaries that are pure financing vehicles--that is, entities which exist solely to issue debt on behalf of their immediate parent and that do not own any operating assets or shares in operating subsidiaries--as if it were issued by the parent. Issuing group: Includes all entities whose debt obligations may be included in the calculation of total consolidated debt--that is to say the issuing group does not include entities that have been exclusively set up for secured non-recourse borrowings. Total consolidated debt: Unsecured debt and

secured debt issued by the issuer and its subsidiaries. Secured debt ratio: Total secured debt in an issuer's consolidated capital structure / total consolidated debt. Priority debt ratio: (Total secured debt in the issuer's consolidated capital structure + total unsecured debt issued by an issuer's subsidiaries) / total consolidated debt. RELATED CRITERIA AND RESEARCH Related criteria Key Credit Factors for The Real Estate Industry, Feb. 26, 2018 Recovery Rating Criteria For Speculative-Grade Corporate Issuers, Dec. 7, 2016 Methodology: Jurisdiction Ranking Assessments, Jan. 20, 2016 Rating Government-Related Entities: Methodology And Assumptions, March 25, 2015 Issue Credit Rating Methodology For Nonbank Financial Institutions And Nonbank Financial Services Companies, Dec. 9, 2014 National and Regional Scale Credit Ratings, Sept. 22, 2014 Corporate Methodology, Nov. 19, 2013 Group Rating Methodology, Nov. 19, 2013 Corporate Methodology: Ratios And Adjustments, Nov. 19, 2013 Collateral Coverage And Issue Notching Rules For '1+' And '1' Recovery Ratings On Senior Bonds Secured By Utility Real Property, Feb. 14, 2013 Principles Of Credit Ratings, Feb. 16, 2011 Stand-Alone Credit Profiles: One Component Of A Rating, Oct. 1, 2010 Hybrid Capital Handbook: September 2008 Edition, Sept. 15, 2008 Criteria For Rating Aircraft-Backed Debt And Enhanced Equipment Trust Certificates, Sept. 12, 2002 Railroad Equipment Trust Certificate Rating Criteria, Sept. 4, 2002 Superseded criteria 2008 Corporate Criteria: Rating Each Issue, April 15, 2008 Notching Of U.S. Investment-Grade Investor-Owned Utility Unsecured Debt Now Better Reflects Anticipated Absolute Recovery, Nov. 10, 2008 Rating Implications Of Loan Waivers For Japanese Corporates, Sept. 23, 2003 Partly superseded criteria Hybrid Capital Handbook: September 2008 Edition, Sept. 15, 2008 Group Rating Methodology, Nov. 19, 2013 These criteria represent the specific application of fundamental principles that define credit risk and ratings opinions. Their use is determined by issuer- or issue-specific attributes as well as S&P; Global Ratings' assessment of the credit and, if applicable, structural risks for a given issuer or issue rating. Methodology and assumptions may change from time to time as a result of market and economic conditions, issuer- or issue-specific factors, or new empirical evidence that would affect our credit judgment.