

Default & Recovery Database – Technical Specification

DATA SET

Moody's Default & Recovery Database (DRD) contains the following data for 550,000 debts and 60,000 global sovereigns and corporate entities, including Real Estate, Insurance, and Financial Institutions. The data is updated monthly and spans from 1970 to present, with select data going back to 1920.

- » Defaults
- » Rating History
- » Issuer Domicile
- » External Identifiers
- » Debt Enhancement
- » Recovery: 30-day Trading Prices
- » Industry Classifications
- » Outlook & Watchlist Status
- » Debt Seniority & Class

A comprehensive set of ultimate recovery data is also fully integrated into DRD, found in the tables beginning "RECOVERY_". This is the starting point of the data used by Moody's to develop its LGD rating methodology; it covers over 1,000 events of U.S. companies emerging from restructuring, liquidations, and distressed exchanges since 1987.

KEY BENEFITS

- » 50,000+ issuers
- » 550,000+ issues
- » 7,000+ recovery observations worldwide
- » 1,000 In-depth recoveries from URD
- » Data through several credit cycles, back to 1920

DATA SOURCE

All data is derived from Moody's own proprietary database of issuer, default, and recovery information. Moody's analysts use this data to produce the Annual Default Study, read by more than 40,000 market participants globally. Clients frequently use this data to conduct credit research as well as build and update credit risk models, particularly those focused on probability of default & loss given default.

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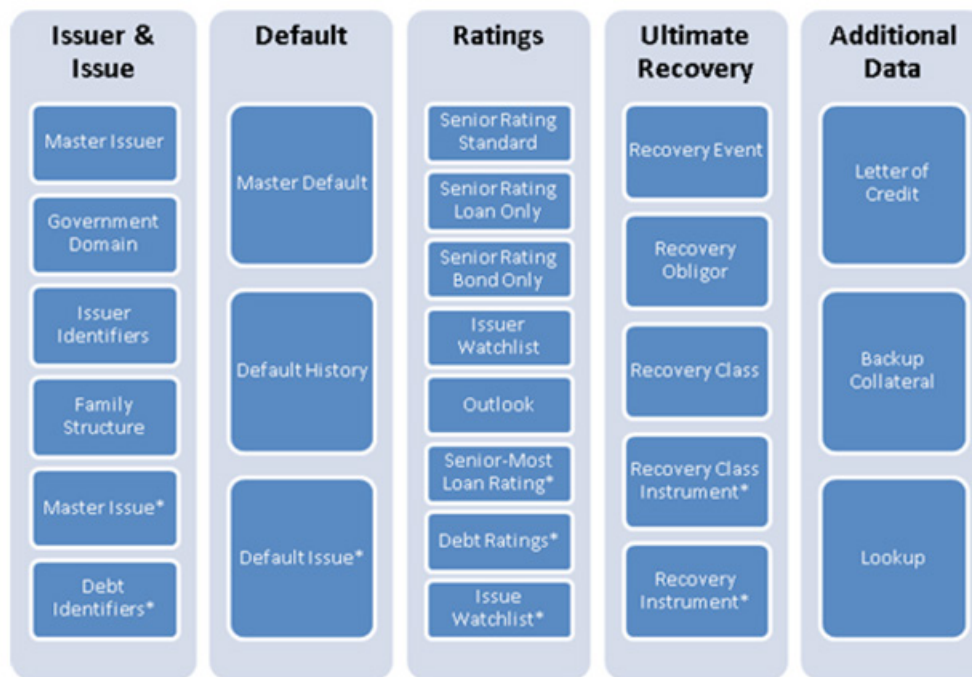
Moody's has a team of professionals dedicated to making sure that our ratings process applies consistent standards to the ever-advancing market. This team works directly with the data in DRD to create the Monthly Default Report and the Annual Default Study.

Each month, this team researches the financial markets, publications, and publically filed documents to identify any defaults that have occurred over the previous 30 days and add them to the database. Where available, recovery pricing is sourced from external vendors and added to the database. Occasionally the researchers will identify new information about historical defaults and will add this to the database, resulting in historical changes.

The DRD database is available for download via Text and Microsoft Access on www.moody.com as well as via FTP.

DATA MODEL

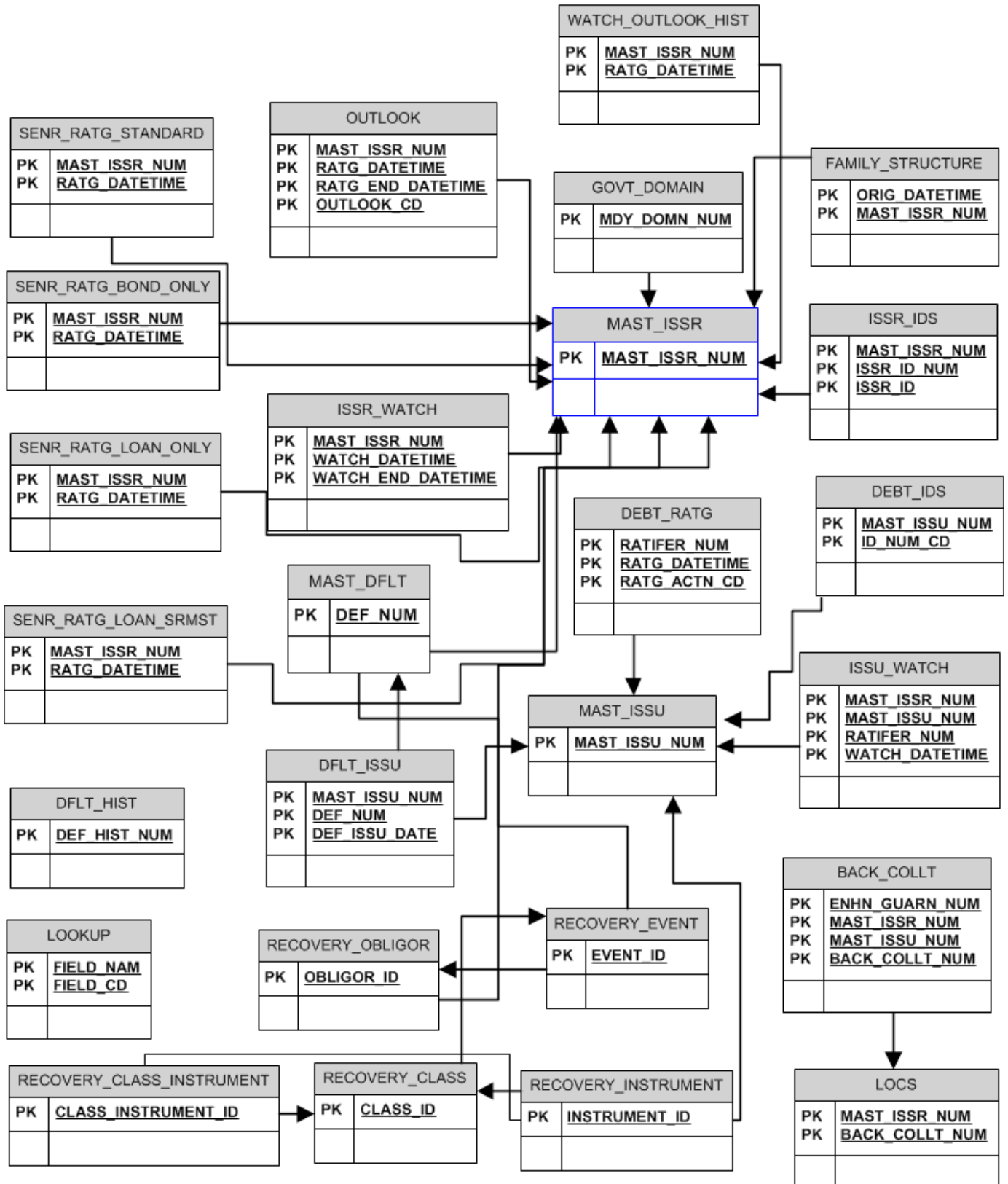
The DRD data is comprised of 26 models housing all Moody's debt, issuer, default, and recovery information. Primary keys enables users to build relationships between tables and perform complex queries. Universal identifiers included in many tables facilitate the use of external data sources, making DRD a truly versatile resource. Please see the mapping diagram on page 4.



**Indicates Issue level data*

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PRIMARY KEY MAPPING DIAGRAM



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LIST OF TABLES

This section provides list of the 26 tables and mapping to help build relationships using Primary Keys.

Table	Database Table Name	Table Description	Page #
Issuer & Issue Level Data			
Master Issuer	MAST_ISSR	Descriptive details on each issuer in the data set, including name, industry & domicile information (mapped to GOVT_DOMAIN table).	6
Government Domain	GOVT_DOMAIN	Location mapping which corresponds to the domain number found in the MDY_DOMN_NUM field in MAST_ISSR.	6
Issuer Identifiers	ISSR_IDS	Links Moody's Issuer Number to one or more identifiers external to this database (such as Moodys.com identifiers, tickers, and Base CUSIPs), where available.	7
Family Structure	FAMILY_STRUCTURE	FAMILY_STRUCTURE	7
Master Issue*	MAST_ISSU	Stores descriptive debt details of each issue in the data set including coupon rate, currency, maturity, etc.	8
Debt Identifiers*	DEBT_IDS	Links Moody's rated debts to third-party identifiers	9
Default Data			
Master Default	MAST_DFLT	Stores details on the periods of default for each issuer, including start date and resolution. For event specific data use DFLT_HIST, for issue specific information use DFLT_ISSU	9
Defaulted History	DFLT_HIST	Short text descriptions of defaults and dates associated. Each default instance is explained and dated, including multiple credit events considered to be a part of the same default.	10
Defaulted Issues*	DFLT_ISSU	For each defaulted issuer, this table has information on the debt issues outstanding at the time of default (including non-defaulted issues).	10
Ratings Data			
Senior Ratings	SENR_RATG_STANDARD	This table stores the issuer-level estimated senior unsecured rating & history for issuers of long term debt, specially formatted and filtered for default rate and rating migration calculations.	11
Senior Ratings Loan Only	SENR_RATG_LOAN_ONLY	This table stores the issuer-level estimated senior unsecured rating & history based only on the loans that an issuer has outstanding.	11
Senior Ratings Bond Only	SENR_RATG_BOND_ONLY	This table stores the issuer-level estimated senior unsecured rating & history based only on the bonds that an issuer has outstanding.	11
Issuer Watchlist	ISSR_WATCH	Stores information about Issuers' status on Moody's Watchlist, where available.	12
Outlook	OUTLOOK	Stores current & historical Moody's rating outlook, which is an opinion regarding the likely direction of a rating	12
Senior-Most Loan Rating*	SENR_RATG_LOAN_SRMST	This table stores the rating of an issuer's most senior outstanding loan. This rating is issue-specific.	13
Debt Rating*	DEBT_RATG	Stores rating histories of Moody's rated debts, organized by Moody's Debt Number.	13
Issue Watchlist*	ISSU_WATCH	Stores information about debts on Moody's watchlist, where available.	14

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Table	Database Table Name	Table Description	Page #
Ultimate Recovery Data			
Recovery Event	RECOVERY_EVENT	Stores details of the credit events associated with each issuer, associated dates, and outcomes; similar to MAST_DFLT, but specific to ultimate recovery calculations.	14
Recovery Obligor	RECOVERY_OBLIGOR	Stores information on individual obligors; similar to MAST_ISSR, but specific to ultimate recovery calculations	15
Recovery Class	RECOVERY_CLASS	Describes the settlement and instrument type (i.e. a Senior unsecured bond) of debts in the data set; relevant for ultimate recovery calculations.	16
Recovery Class Instrument*	RECOVERY_CLASS_INSTRUMENT	Stores recovery information for instruments according to their class; relevant for ultimate recovery calculations.	17
Recovery Instrument*	RECOVERY_INSTRUMENT	Stores information on individual debt issues including collateral, maturity & issue date, debt amount, etc. Relevant for ultimate recovery calculations	18
Additional Data			
Letter of Credit	LOCS	Stores information about letters of credit.	21
Backup Collateral	BACK_COLLT	Stores guarantor and collateral information for each debt in the dataset, where available.	22
Lookup	LOOKUP	For fields in other tables using abbreviated codes (except for MDY_DOMN_NUM), use this table to look up the text descriptions.	22
Moody's Ratings Matrix	N/A	This table contains numerical representations of the ratings codes; they are not values.	23
FAQ	N?A	Frequently Asked Questions	24

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Master Issuer

Table: MAST_ISSR

Purpose: Stores descriptive details of each issuer in the data set.

Field	Field Name	Data Type (Length)	Field Definition
MAST_ISSR_NUM*	Moody's Issuer Number	INT	Unique identifier of the issuer. Additional information on this issuer, such as name and industry, can be found using the ISSUER_NAM and MOODYS_35_CODE fields.
ISSUER_NAM	Issuer Name	NVARCHAR (4000)	Name used by Moody's for this issuer; usually the company's legal name in English
MDY_DOMN_NUM	Moody's Domain Number	NUMERIC (11, 0)	Primary country where this entity conducts its business, as defined by Moody's. This code can be translated using the GOVT_DOMAIN table.
MOODYS_11_CODE	Specific Industry Classification	VARCHAR (225)	11 Moody's-defined broad industry categories which correspond with Moody's 35. Used by the Annual Default Report. Recommended.
MOODYS_35_CODE	Specific Industry Classification	VARCHAR (225)	35 Moody's-defined specific industry categories which correspond with Moody's 11. Used by the Annual Default Report. Recommended.
MDY_IND_BRD_CD	New Moody's Broad	NVARCHAR (4000)	Categorizes issuer into one of the general business sectors (banking, industrial, sovereign etc). Corresponds with MDY_SPEC_IND_CD
MDY_SPEC_IND_CD	New Moody's Specific	NVARCHAR (4000)	Sub categories corresponding to Moody's Broad Industries(MDY_IND_BRD_CD) that are more narrowly defined.
SIC_CODE_CD	SIC Code 2	NVARCHAR (4000)	Broad (2-digit) SIC code
SIC_CODE_SPEC_CD	SIC Code 4	NVARCHAR (4000)	Specific (4-digit) SIC code
NAIC	North American Industry Classification	NVARCHAR (4000)	3-digit industry code corresponding to the North American Industry Classification System. The corresponding text definition can be found in the LOOKUP table.
SOURCE_F	Source Flag	VARCHAR (50)	Indicates the source of an issuer (U=Ultimate Recovery Database, R=Ratings Database, D=Default Research Database, S=SRA(QTOOLS)) Multiple letters indicate multiple sources.

Note: Fields labeled with an asterisk (*) indicate a primary key relationship.

Government Domain

Table: GOVT_DOMAIN

Purpose: Stores information about the effective domicile, as determined by Moody's, of each issuer in the database.

Field	Field Name	Data Type (Length)	Field Definition
CURRENCY_CD	Domain Currency Code	NVARCHAR(50)	Domicile's local currency code. This can be translated using the LOOKUP table.
DOMN_ABBR	Domain Abbreviation	NVARCHAR(6)	Abbreviated name of country, state, city.
DOMN_NAM	Domain Name	NVARCHAR(50)	Name of the domain where debt was issued.
DOMN_TYP_CD	Domain Type Code	NVARCHAR(3)	A code indicating what type of domain, e.g. CTY for Country. This can be translated using the LOOKUP table.
MDY_DOMN_NUM*	Domain Number	NVARCHAR(11, 0)	A unique identifier for the domain, used in MAST_ISSR to link to this table.
REGN_CD	Region Code	NVARCHAR(50)	Region in which this domain is located, e.g. EMA for Europe, Middle East, & Africa. Can be translated using the LOOKUP table.

Note: Fields labeled with an asterisk (*) indicate a primary key relationship.

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Issuer Identifiers

Table: ISSR_IDS

Purpose: Links Moody's Issuer Number to one or more third-party identifiers, where available.

Field	Field Name	Data Type (Length)	Field Definition
MAST_ISSR_NUM*	Moody's Issuer Number	INT	Unique identifier for each issuer in the database. Since DRD contains unrated issuers, this number is unique to DRD.
ISSR_ID_NUM*	Issuer ID Number Code	NVARCHAR(50)	Code identifying what type of entity identifier is shown ISSR_ID, e.g. RTG (Rating Agency Id), BLO (Ticker) & CUS (Base CUSIP). Can be translated using the LOOKUP table.
ISSR_ID*	Issuer ID	NVARCHAR(50)	Entity Identifiers External to this database such as Moodys.com identifiers, tickers, and Base CUSIPs (1st six CUSIP digits, issuer-specific).

Note: Fields labeled with an asterisk (*) indicate a primary key relationship.

Family Structure

Table: FAMILY_STRUCTURE

Purpose: Stores information about the family structure for each issuer in the data since late 2010.

Field	Field Name	Data Type (Length)	Field Definition
MAST_ISSR_NUM*	Moody's Issuer Number	INT	Unique identifier for each issuer in the database, can be translated into a company name using the MAST_ISSR table.
ORIG_DATETIME*	Origination Date	DATETIME	Either the earliest date that this family structure was tracked by Moody's, or the date on which this structure was implemented. Data begins in late 2010.
IMMED_PARNT_NUM	Immediate Parent	INT	Moody's Issuer Number for the issuer immediately above the MAST_ISSR_NUM issuer in the ownership hierarchy.
ULT_PARNT_NUM	Ultimate Parent Number	INT	Moody's Rating Agency Issuer Number for the issuer at the top of the company's ownership hierarchy. This number can be translated into an ID for this database, using the ISSR_ID column of the ISSR_IDS table. This number matches Moodys.com identifiers.
ULT_PARNT_NAM	Ultimate Parent Name	NVARCHAR (4000)	Name of the issuer at the top of the company's ownership hierarchy, corresponds with ULT_PARNT_NUM.
EXPIRE_DATETIME	Expiration Date	DATETIME	Date on which this row's family structure changed.

Note: Fields labeled with an asterisk (*) indicate a primary key relationship.

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Master Issue

Table: MAST_ISSU

Purpose: Stores Descriptive debt details of each issue in the data set including coupon rate, currency, maturity, etc.

Field	Field Name	Data Type (Length)	Field Definition
MAST_ISSU_NUM*	Moody's Issue Number	INT	Unique identifier for each obligation in the database. Additional information on this issue can be found using the MAST_ISSU table.
MAST_ISSR_NUM	Moody's Issuer Number	INT	Unique identifier for each issuer in the database, can be translated into a company name using the MAST_ISSR table. Since DRD contains unrated issuers, this number is unique to DRD.
DEBT_TYP_CD	Debt Type	NVARCHAR (4000)	Description of the debt obligation; more specific than DEBT_CLASS_CD. Can be translated into text using the LOOKUP Table.
DEBT_CLASS_CD	Debt Class	NVARCHAR (4000)	Broad description of the obligation; more general than DEBT_TYP_CD. Can be translated into text using the LOOKUP Table.
COUP_RATE	Coupon Rate	NUMERIC (24, 14)	Interest rate percentage on the obligation, expressed in this field as numbers.
MATR_DATETIME	Maturity Date	Datetime	Date on which the obligation comes due.
DEBT_SENR_CD	Seniority	NVARCHAR (4000)	Moody's description of the seniority ranking of this obligation (e.g. SS = Senior Secured, SR = Senior Subordinated). This be translated into text using the LOOKUP Table.
SERIES_CLASS_TXT	Series	NVARCHAR (4000)	This debt's series label as determined by the issuer e.g. "Series A".
SALE_DATETIME	Sale Date	Datetime	Day on which the instrument was issued.
FACE_AMNT	USD Face Amount	NUMERIC (18, 0)	Face amount of instrument expressed in local currency (in millions).
FACE_US_AMNT	USD Face Amount	NUMERIC (18, 0)	Face amount of instrument expressed in U.S. Dollars (in millions).
FACE_US_AMNT_DATETIME	Date of USD Face	Datetime	Currency conversion date used to compute us dollar amount found in FACE_US_AMNT.
EXCH_RATE	Exchange Rate	Float	Exchange rate used to convert FACE_AMNT into US Dollars (FACE_US_AMNT). Rate as of the date in FACE_US_AMNT_DATETIME.
OFFR_PRC_PCT	Offering Price	NUMERIC (18, 0)	Offering price expressed as a percent of par.
CURRENT_CD	Currency	NVARCHAR (4000)	Currency in which the debt is issued. This can be translated into text using the LOOKUP Table.
MKT_TYP_CD	Market	NVARCHAR (4000)	Market in which the debt was issued. This can be translated into text using the LOOKUP Table.
COUP_FREQ_CD	Coupon Frequency	NVARCHAR (4000)	Frequency of coupon payments, e.g. semi-annually. This can be translated into text using the LOOKUP Table.
BACK_F	Backing Indicator	BIT	"-1" Indicates this obligation has backing in addition to the direct issuer. For additional information on backer identity & type of guarantee, Use the BACK_COLLT Table.
SOURCE_F	Source Flag	VARCHAR (3)	Indicates the source of an issuer (U=Ultimate Recovery Database, R=Rating Database, D=Default Research Database, S=SRA(QTOOLS)) Multiple letters indicate multiple sources.

Note: Fields labeled with an asterisk (*) indicate a primary key relationship.

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Debt Identifiers

Table: DEBT_IDS

Purpose: Links Moody's rated debts to third-party identifiers (CUSIP, etc)

Field	Field Name	Data Type (Length)	Field Definition
ID_NUM	ID Number	NVARCHAR(4000)	Debt Identifiers External to Moody's such as ISINs, CUSIPs, & Common Codes
ID_NUM_CD*	ID Number Code	NVARCHAR(50)	Code identifying what type of debt identifier is shown in id_num, e.g. ISI (ISIN), CUS (CUSIP), & COM (Common Code)
MAST_ISSU_NUM*	Moody's Issue Number	INT	Moody's Unique identifier for each debt obligation in this database. Since the Default and Recovery Database (DRD) contains unrated issues, this number is unique to the DRD.

Note: Fields labeled with an asterisk (*) indicate a primary key relationship.

Master Default

Table: MAST_DFLT

Purpose: Stores details of each issuer's default event and analyst summary. Lists major milestones, including the initial default event, bankruptcy, and resolution, if any. For a history of every credit event that happened during a period of default see DFLT_HIST. If a company recovers per Moody's definition, then defaults again, both will be listed in this table.

Field	Field Name	Data Type (Length)	Field Definition
BANKRUPTCY_DATETIME	Bankruptcy Date	DATETIME	Date the company filed for bankruptcy, if any during this default period.
BANKRUPTCY_DEF_DATETIME	Obligor Bankruptcy Date	DATETIME	Obligor default date at time of bankruptcy or restructuring, used for ultimate recovery calculations.
BANKRUPTCY_TYP_CD	Bankruptcy Type	NVARCHAR (75)	Type of bankruptcy the company filed for, if any.
BLURB	Default Description	VARCHAR (4000)	Moody's Investor Service Analyst-written description of the default events, if available.
DEF_NUM*	Moody's Default Number	INT	Unique identifier for each default period recorded by Moody's.
DEF_TYP_CD	Default Type	NVARCHAR (4000)	Brief description of the default period, such as 'Missed interest payment', 'Chapter 11', or 'Distressed exchange'.
MAST_ISSR_NUM	Master Issuer Number	INT	Unique identifier for each issuer in the database, can be translated into a company name using the MAST_ISSR table.
OBLIGOR_ID	Obligor ID	INT	Unique identifier for each obligor in the Ultimate Recovery database, where available. These issuers can be found in the RECOVERY_OBLIGOR table.
RATING_AGENCY_DEF_DATETIME	Date of Rating Agency	DATETIME	Initial date this issuer went into default as determined by Moody's.
REORG_CONF_DATETIME	Reorganization Date	DATETIME	Date that the reorganization was confirmed.
RESOLUTION_DATETIME	Bankruptcy Date	DATETIME	Date the issuer technically came out of default, if available. This is not the date Moody's considers the period of default to be over.
RESOLUTION_TYP	Resolution Type	NVARCHAR (75)	Brief description on how the issuer came out of default, if available.

Note: Fields labeled with an asterisk (*) indicate a primary key relationship.

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Defaulted History

Table: DFLT_HIST

Purpose: Short text descriptions of defaults and dates associated; Each default instance is explained and dated, including multiple credit events considered to be a part of the same default period.

Field	Field Name	Data Type (Length)	Field Definition
DEF_DATETIME	Default Date	DATETIME	Date on which the credit event, enumerated in DEF_HIST_NUM, occurred.
DEF_HIST_NUM	Default History Number	INT	Unique identifier for each credit event. There can be more than one credit event(DEF_HIST_NUM) per default period (DEF_NUM).
DEF_NUM	Moody's Default	INT	A unique identifier for each default period as recorded by Moody's. Coincides with DEF_NUM in the MAST_DFLT table.
RATING_AGENCY_INST_DEF_DT	Rating Agency	DATETIME	Instrument default date according to rating agency definition of default, includes grace period defaults.
SHORT_EVENT_DESC	Event Description	NVARCHAR (4000)	Brief text describing the credit event occurring on the corresponding DEF_DATETIME date.

Note: Fields labeled with an asterisk (*) indicate a primary key relationship.

Defaulted Issues

Table: DFLT_ISSU

Purpose: For each defaulted issuer, this table has information on all known outstanding debt issues at the initial time of default (including non-defaulted issues). Corresponds with the issuer default date (RATING_AGENCY_DEF_DATETIME) in MAST_DFLT.

Field	Field Name	Data Type (Length)	Field Definition
DEF_AMNT	Default Amount	NUMERIC (18, 2)	Default amount in US dollars at time of initial default, expressed in millions. Initial default date can be found in RATING_AGENCY_DEF_DATETIME in the MAST_DFLT table listed under the same DEF_NUM. For Distressed exchanges it is the amount exchanged.
DEF_DEBT_SENR	Defaulted Debt Seniority	VARCHAR (50)	Denotes the seniority of the defaulted issue. Used in the Annual Default Report.
DEF_ISSU_DATE	Issue Default Date	DATETIME	Date this issue went into default, which is not necessarily the same date as the issuer. If blank, this issue was outstanding at the time of default, but did not default itself.
DEF_NUM	Moody's Default Number	INT	A unique identifier for each default period as recorded by Moody's. Coincides with DEF_NUM in the MAST_DFLT table.
DEF_PRICE	Default Price	NUMERIC (18, 2)	Trading price of defaulted debt, expressed as a percentage of par, as of the default date for distressed exchanges, or 30 days after default for all other types of default. Type of default can be found in the MAST_DFLT table, listed under the same DEF_NUM.
EXCH_RATE_AT_DEF	Exchange Rate at Default	FLOAT	Exchange rate used to convert DEF_AMNT into US Dollars.
IS_DUP_DEBT	Duplicate Debt Flag	VARCHAR (1)	A "1" indicates this issue is listed again in this table under another DEF_NUM. This may occur when both an obligor and a guarantor are simultaneously in financial distress. Only one issue listing will have a flag.
MAST_ISSU_NUM	Moody's Issue Number	INT	Moody's Unique identifier for this debt obligation. Additional information on this issue can be found in the MAST_ISSU table.

Note: Fields labeled with an asterisk (*) indicate a primary key relationship.

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Senior Ratings (Bond, Loan & Standard)

Table: SENR_RATG_BOND_ONLY, SENR_RATG_LOAN_ONLY, and SENR_RATG_STANDARD

Purpose: Stores the “senior rating” history for issuers of long-term debt using the senior rating algorithm. Three versions are included which are company-level ratings: one that selects the rating based on the whole debt structure (SENR_RATG_STANDARD), one that selects the issuer’s rating based only on the issuer’s outstanding loans (SENR_RATG_LOAN_ONLY), and one that selects the issuer’s rating based only on the issuers outstanding bonds (SENR_RATG_BOND_ONLY).

Defaulted issuers are found by the following combination of CENSOR and TERM_DATETIME: CENSOR = 0, and TERM_DATETIME <> update date and <> WR date.

Field	Field Name	Data Type (Length)	Field Definition
CENSOR	Censor	INT	0= default; 1= non-default; When "0", this indicates a period of default starting as of the Term Date. When "1", this indicates the entity is not in a state of default, last verified on the corresponding Term Date. Only related to the TERM_DATETIME column, censor does not correspond with other dates in this table.
CHANGE	Change	INT	Indicates number of notches that the credit rating (EST_SENR_RTG_TXT) moved as of the rating date (RATG_DATETIME) from the previous rating.
DEBT_CLASS_CD	Debt Class	NVARCHAR (50)	A broad classification of debt instruments, e.g. Regular Bond("REG") or Medium-Term Note ("MTN"). These can be translated to text using the "LOOKUP" table.
DEBT_SENR_CD	Seniority	NVARCHAR (50)	Moody's description of the seniority ranking of this debt. Use the LOOKUP Table to interpret.
EST_SENR_RTG_TXT	Rating	NVARCHAR (4000)	Moody's Estimated Senior Unsecured Rating, calculated by Moody's Senior Rating Algorithm. Effective as of RATG_DATETIME until RATG_EXPIRE_DATETIME.
LM	Large Move	INT	Indicates when the current rating action causes the cumulative rating change over the previous year to be three or more notches. 1= Large Move; 0= Not Large Move.
MAST_ISSR_NUM*	Moody's Issuer Number	INT	Unique identifier for each issuer in the database, can be translated into a company name using the MAST_ISSR table.
MAST_ISSU_NUM	Moody's Issue Number	INT	The Issue number for the issue which best represents this Issuer's senior unsecured risk, or most equivalent.
METH	Methodology	INT	Indicates rating change due to a change in Moody's rating methodology, rather than a change in the fundamental credit quality of the issuer. 0=Not Methodology change; 1=Loss Given Default; 2 & 3= Joint Default Analysis.
RATG_DATETIME*	Rating Date	DATETIME	Effective date of Moody's rating, found in EST_SENR_RTG_TXT. Active until the rating Expiration date (RATG_EXPIRE_DATETIME).
RATG_EXPIRE_DATETIME	Rating Expiration Date	DATETIME	Date EST_SENR_RTG_TXT is no longer in force, either because of a rating change or withdrawal; ratings current as of the file-creation date will have a blank in this field.
REV	Reverse	INT	Indicates when a rating change is in the opposite direction from the previous rating change within the last year. 1= Reverse Change; 0=Not Reverse Change/No Change.
TERM_DATETIME	Term Date	DATETIME	When censor is '0' this is the date the company went into default. When censor is '1' this indicates the last update date of the senior rating. Only related to the censor column, TERM_DATETIME does not correspond with other columns in this table.
ULT_PARNT_NUM	Ultimate Parent Issuer	INT	Moody's Issuer Number for the issuer at the top of this issuer's ownership hierarchy.
UNIV_RATG_NUM	Universal Rating	INT	Numerical representation of the rating codes. Please reference the rating matrix table for mapping and explanation.

Note: Fields labeled with an asterisk (*) indicate a primary key relationship.

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Issuer Watchlist

Table: ISSR_WATCH

Purpose: Stores information about issuer's status on Moody's Watchlist, where available.

Field	Field Name	Data Type (Length)	Field Definition
MAST_ISSR_NUM*	Moody's Issuer Number	INT	Unique identifier for each issuer in the database, can be translated into a company name using the MAST_ISSR table.
WATCH_DATETIME*	Watch Date	DATETIME	Effective date of the Moody's watchlist action found in WATCH_CD. Active until the watchlist end date (WATCH_END_DATETIME).
WATCH_END_DATE TIME*	Watch End Date	DATETIME	Date the corresponding watchlist status (found in WATCH_CD) is no longer in effect. This field will remain blank for tranches whose most recent watch status is still in force.
WATCH_CD	Watch Code	NVARCHAR (50)	Code representing Moody's watchlist status, effective as of the WATCH_DATETIME. Use the LOOKUP table to translate these codes into full text (e.g. possible upgrade, possible downgrade, uncertain, & confirmed).

Note: Fields labeled with an asterisk (*) indicate a primary key relationship.

Outlook

Table: OUTLOOK

Purpose: Stores Moody's rating outlook, an opinion regarding the likely direction of an issuer's rating over the medium term.

Field	Field Name	Data Type (Length)	Field Definition
MAST_ISSR_NUM*	Moody's Issuer Number	INT	Unique identifier for each issuer in the database, can be translated into a company name using the MAST_ISSR table.
RATG_DATETIME*	Rating Date	Datetime	Effective date of Moody's rating outlook, found in OUTLOOK_CD. Active until the rating outlook end date (RATG_END_DATETIME).
OUTLOOK_CD*	Outlook	NVARCHAR (50)	Code representing Moody's rating outlook effective as of the RATG_DATETIME in this table. Use the LOOKUP table to translate these codes into full text (e.g. negative, positive, stable).
RATG_END_ DATETIME*	Rating End Date	Datetime	Date this rating is no longer in force, due to either a rating change or withdrawal; ratings current as of the database-creation date will have a blank in this field.

Note: Fields labeled with an asterisk (*) indicate a primary key relationship.

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Senior-Most Loan Rating

Table: SENR_RATG_LOAN_SRMST

Purpose: The senior-most loan (SENR_RATG_LOAN_SRMST) is an issue-specific table, which shows the rating for the company's senior-most loan.

Field	Field Name	Data Type (Length)	Field Definition
CENSOR	Censor	INT	0= default; 1= non-default; When "0", this indicates a period of default starting as of the Term Date. When "1", this indicates the entity is not in a state of default, last verified on the corresponding Term Date. Only related to the TERM_DATETIME column, censor does not correspond with other dates in this table.
EST_SENR_RTG_TXT	Rating	NVARCHAR (4000)	Moody's Estimated Senior Unsecured Rating, calculated by Moody's Senior Rating Algorithm. Effective as of RATG_DATETIME until RATG_EXPIRE_DATETIME.
MAST_ISSR_NUM*	Moody's Issuer Number	INT	Unique identifier for each issuer in the database, can be translated into a company name using the MAST_ISSR table.
RATG_DATETIME*	Rating Date	DATETIME	Effective date of Moody's rating, found in EST_SENR_RTG_TXT. Active until the rating Expiration date (RATG_EXPIRE_DATETIME).
RATG_EXPIRE_DATETIME	Rating Expiration Date	DATETIME	Date EST_SENR_RTG_TXT is no longer in force, either because of a rating change or withdrawal; ratings current as of the file-creation date will have a blank in this field.
TERM_DATETIME	Term Date	DATETIME	When censor is '0' this is the date the company went into default. When censor is '1' this indicates the last update date of the senior rating. Only related to the censor column, TERM_DATETIME does not correspond with other columns in this table.

Note: Fields labeled with an asterisk (*) indicate a primary key relationship.

Debt Rating

Table: DEBT_RATG

Purpose: Stores rating histories of Moody's rated debts, organized by Moody's Debt Number.

Field	Field Name	Data Type (Length)	Field Definition
DEBT_RTG_SF_IND_TXT	Structured Finance	VARCHAR (5)	Flag, "(sf)", indicating that this obligation is structured finance.
MAST_ISSU_NUM	Moody's Issue Number	INT	Moody's Unique identifier for this debt obligation. Additional information on this issue can be found in the MAST_ISSU table.
RATG_ACTN_CD*	Rating Action Code	NVARCHAR (5)	Description of Rating action and/or rationale, e.g. 'Rating Lowered' or 'Rated After Sale'. Can be translated into text using the LOOKUP Table.
RATG_DATETIME*	Rating Date	DATETIME	Effective date of Moody's rating on this debt, found in RATG_TXT in this table. Active until the rating Expiration date (RATG_END_DATETIME).
RATG_END_DATETIME	Rating End Date	DATETIME	Date this rating is no longer in force, due to either a rating change or withdrawal; ratings current as of the database-creation date
RATG_TXT	Rating	NVARCHAR (25)	Moody's Rating on this debt (enumerated in MAST_ISSU_NUM). Effective as of RATG_DATETIME until RATG_END_DATETIME.
RATG_TYP_CD	Rating Type	NVARCHAR (3)	Indicates the type of rating shown in RATG_TXT for this debt, such as LT (long-term) or ST (short-term). Can be translated into text using the LOOKUP Table.
RATIFER_NUM*	Ratifier Number	INT	Unique identifier for each debt, used internally at Moody's.

Note: Fields labeled with an asterisk (*) indicate a primary key relationship.

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Issue Watchlist

Table: ISSU_WATCH

Purpose: Stores Information about debts on Moody's Watchlist, where available.

Field	Field Name	Data Type (Length)	Field Definition
MAST_ISSU_NUM*	Moody's Issue Number	INT	Unique identifier for each obligation in the database. Additional information on this issue can be found using the MAST_ISSU table.
MAST_ISSR_NUM*	Moody's Issuer Number	INT	Unique identifier for each issuer in the database, can be translated into a company name using the MAST_ISSR table. Since DRD contains unrated issuers, this number is unique to DRD.
RATIFIER_NUM*	Ratifier Numer	INT	Unique identifier for each debt, used internally to Moody's.
WATCH_CD	Watch Date	Date Time	Code representing Moody's watchlist status effective as of the WATCH_DATETIME. Use the LOOKUP table to translate these codes into full text (i.e. possible upgrade, possible downgrade, uncertain, & confirmed).
WATCH_DATETIME*	Watch Code	NVARCHAR (50)	Effective date of the Moody's watchlist action found in WATCH_CD for this debt. Active until the watchlist end date (WATCH_END_DATETIME).
WATCH_END_DATETIME	Watch End Date	DateTime	Date the corresponding watchlist status (found in WATCH_CD) is no longer in effect. This field will be blank where the watchlist status is active as of the database-creation date.

Note: Fields labeled with an asterisk (*) indicate a primary key relationship.

Recovery Event

Table: RECOVERY_EVENT

Purpose: Stores details of the credit events associated with each issuer, associated dates, and outcomes; similar to MAST_DFLT, but used for ultimate recovery calculations

Field	Field Name	Data Type (Length)	Field Definition
CLASS_LIST_COMMENT	Event Class List	NVARCHAR (4000)	Comments kept on the class list tab on the event form.
COMMENT	Event Comment	NVARCHAR (4000)	Event Comment
DEF_NUM	Moody's Default Number	INT	Moody's Unique identifier for each default, as listed in the MAST_DFLT table.
DEFAULT_EVENT_DESC	Default Description	NVARCHAR (4000)	Description of default event
DEFAULT_REASON	Default Reason	NVARCHAR (4000)	Reason for default
EMERGENCE_DATETIME	Emergence Date	DATETIME	The date for which a default resolution becomes official. In the instances of certain restructurings and distressed exchanges the default date may be the same as the emergence date.
EVENT_ID*	Event ID	INT	Unique Ultimate Recovery Identifier for each event.
FAMILY_RECOVERY	Family Recover	FLOAT	Family Recovery of the Event.
ISSUER_DEFAULT_DATETIME	Issuer Default Date	DATETIME	Date the issuer filed a petition for Chapter 11 or Chapter 7. In a non-bankruptcy scenario, this is the date of the exchange or the date that the restructuring is completed.

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Field	Field Name	Data Type (Length)	Field Definition
LIST_COMMENT	Event List Comment	NVARCHAR (4000)	Event List Comment
MAST_ISSR_NUM Number	Moody's Issuer	INT	Moody's Unique identifier for each issuer in the database, as listed in the MAST_ISSR table.
OBLIGOR_ID	Obligor ID	INT	Unique Ultimate Recovery identifier for each obligor, found in the RECOVERY_OBLIGOR table.
OUTCOME	Outcome	NVARCHAR(50)	Outcome of the event; liquidated, emerged, or acquired
PREPACK_F	Pre-packaged Bankruptcy	BIT	Indicates whether default is a pre-packaged bankruptcy
TOTAL_DEBT	Issuer Total Debt	NUMERIC	Total defaulted debt for each default obligor. Note: May vary if obligor has multiple defaults

Note: Fields labeled with an asterisk (*) indicate a primary key relationship.

Recovery Obligor

Table: RECOVERY_OBLIGOR

Purpose: Stores information on individual obligors. Similar to the MAST_ISSR table, but specific to ultimate recovery calculations.

Field	Field Name	Data Type (Length)	Field Definition
BUSINESS_DESC	Business Description	NVARCHAR (4000)	Business description- background on companies' role in industry.
COMMENT	Comment Field	NVARCHAR (4000)	Comment field relevant for ultimate recovery calculations.
CUSIP	CUSIP	NVARCHAR (4000)	CUSIP
EVENT_LIST_ COMMENTS	Event List Comment	NVARCHAR (4000)	Comments on the events list tab on the obligor screen
LIST_COMMENT	Obligor List Comment Field	NVARCHAR (4000)	Obligor list comment field relevant for ultimate recovery calculations
MAST_ISSR_NUM	Moody's Issuer Number	INT	Unique identifier for each issuer in the database, can be translated into a company name using the MAST_ISSR table.
NAM	Name	NVARCHAR (4000)	Obligor name
OBLIGOR_ID*	Obligor ID	INT	Unique identifier for each obligor
SIC_CODE	SIC Code	INT	U.S. Standard Industry Code
SIC_DESC	SIC Code Description	NVARCHAR (4000)	Description of the SIC code
TICKER	Ticker ID	NVARCHAR (225)	Ticker ID

Note: Fields labeled with an asterisk (*) indicate a primary key relationship.

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Recovery Class

Table: RECOVERY_CLASS

Purpose: Stores descriptive details of each class in the data set. Class is a group of related instruments involved in a company event (see RECOVERY_EVENT table). Instruments are grouped by Moody's analysts or court proceedings, based on seniority. Relevant for ultimate recovery calculations.

Field	Field Name	Data Type (Length)	Field Definition
CALCULATE_LIQUID_F	Calculate Liquidity	BIT	Field used to determine what will be recalculated on the class screen
CALCULATE_SETTLE_F	Calculate Settlement	BIT	Field used to determine what will be recalculated on the class screen
CALCULATE_TRADE_F	Calculate Trade	BIT	Field used to determine what will be recalculated on the class screen
CLASS_ID*	Class ID	INT	Unique identifier for each class.
CLASS_NAM	Class Name	NVARCHAR (225)	Title of each class of defaulted debt claims. These are tied to the Creditor Class Tag
CLASS_TAG	Creditor Class Tag	VARCHAR (225)	Class grouping from the bankruptcy documents as assigned by the court. In the cases of distressed exchanges or other types of restructurings, debt is classified in a similar fashion to that of a bankruptcy court.
COMMENT	Class Comment	VARCHAR (8000)	Analyst's notes on the class
ESTIMATED_CLAIMS	Estimated Claims	NUMERIC (18, 0)	If the class is part of a larger class, this field is used to estimate the claims against this class
EVENT_ID	Event ID	INT	ID number for each default event, specific to ultimate recovery calculations.
LIST_COMMENT	List Comments	NUMERIC (8000)	Analyst's comments on the list
PART_OF_LARGER_CLASS_F	Part of Larger Class	BIT	Indicates whether it is part of a larger class
PART_OF_LARGER_CLASS_VALUE	Value for Part of Larger Class	BIT	If the instrument is part of a larger class, indicates the value of that part
PREFERRED_METHOD	Preferred Method	NVARCHAR (50)	Text description of the preferred method: trading price, settlement, or liquidity
SETTLEMENT_DESC	Settlement Description	VARCHAR (8000)	Analyst's notes on how the settlement was handled
TOTAL_CLASS_DEBT	Total Debt of Class	NUMERIC (18, 0)	Total debt of class
TOTAL_WITH_AMNT_EXCHANGED	Total Amount	NUMERIC (18, 0)	Total debt of class with amount exchanged at emergence date values used. This is now used for calculating per 1000 nominal values
USE_LIQUIDITY_F	Use Liquidity	BIT	Indicates whether the liquidity method is the preferred method for calculating instrument recovery found in the DISCOUNT_TRADING_PRICE field in the INSTRUMENT table
USE_SETTLEMENT_F	Use Settlement	BIT	Indicates whether the settlement method is the preferred method for calculating instrument recovery found in the DISCOUNT_TRADING_PRICE field in the INSTRUMENT table
USE_TRADING_PRICE_F	Use Trading Price	BIT	Indicates whether the trading price at emergence method is the preferred method for calculating instrument recovery found in the DISCOUNT_TRADING_PRICE field in the INSTRUMENT table

Note: Fields labeled with an asterisk (*) indicate a primary key relationship.

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Recovery Class Instrument

Table: RECOVERY_CLASS_INSTRUMENT

Purpose: Stores recovery information for instruments according to their class. For more information about the class itself, please refer to the CLASS table.

Field	Field Name	Data Type (Length)	Field Definition
CLASS_ID	Class ID	INT	Unique Identifier for each class
CLASS_INSTRUMENT_ID*	Instrument ID	INT	Unique Identifier for each instrument
LIQUID_AMNT	Liquidity Amount	FLOAT	Liquidity amount
LIQUID_BOND_PRICE	Liquidity Bond Price	FLOAT	Liquidity bond price
LIQUID_BOND_TRADE_DATETIME	Liquidity Bond Trade Date	DATEIME	Liquidity bond trade date
LIQUID_METHOD	Liquidity Method	FLOAT	Liquidity method
LIQUID_PERCENT_DIS_VAL	Liquidity Percent Discount Value	NUMBER (18,2)	Liquidity percent discount value calculated using original face value
LIQUID_PERCENT_NOM_VAL	Liquidity Percent Nominal Value	NUMBER (18,2)	Liquidity percent nominal value
LIQUID_SHARE_PRICE	Liquidity Share Price	FLOAT	Liquidity share price
LIQUID_SHARE_TRADE_DATETIME	Liquidity Share Trade Date	DATETIME	Liquidity share trade date
LIQUID_VALUE	Liquidity Value	FLOAT	Liquidity value, market price at settlement
SETTLE_AMNT	Settlement Amount	NUMBER (18,2)	Settlement amount, total % accrued
SETTLE_BOND_PRICE	Settlement Bond Price	FLOAT	Settlement bond price, market price of bond at settlement
SETTLE_BOND_TRADE_DATETIME	Settlement Bond Trade Price	DATETIME	Settlement bond trade date
SETTLE_METHOD	Settlement Method	NVARCHAR (50)	Settlement method instruments
SETTLE_PERCENT_DIS_VAL	Settlement Percent Discount Value	NUMBER (18,2)	Settlement method discount value calculated using original face value
SETTLE_PERCENT_NOM_VAL	Settlement Percent Nominal Value	NUMBER (18,2)	Nominal value (%) estimated using settlement method.
SETTLE_SHARE_PRICE	Liquidity Share Price	FLOAT	Settlement share price as of SETTLE_SHARE_TRADE_DATETIME.
SETTLE_SHARE_TRADE_DATETIME	Settlement Share Trade Date	DATETIME	Trade date of new shares at settlement.
SETTLE_VALUE	Settlement Value	NUMBER (18,2)	Settlement value as % of par, unless PIK
SOURCE	Source	NVARCHAR (4000)	Empty
TYPE	Instrument Type	NVARCHAR (50)	Instrument type classification (i.e. Term Loan, Senior Secured bonds)

Note: Fields labeled with an asterisk (*) indicate a primary key relationship.

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Recovery Instrument

Table: RECOVERY_INSTRUMENT

Purpose: Stores information on individual instruments, a set of debts that are from the same issuance which is in a class related to a recovery event.

Field	Field Name	Data Type (Length)	Field Definition
ACCREDITED_AMNT	Accreted amount	NUMERIC (18, 0)	Accreted amount (applies only to Payment-in-Kind and zero-coupon bonds)
AMNT_EXCHANGED	Amount Exchanged	FLOAT	The amount exchanged within the settlement, in the event of a distressed exchange. This may not be the same figure as the full default amount.
BORROWING_BASE_F	Borrowing Base	NVARCHAR (4000)	Indicates if the defaulted instrument had a borrowing base. A bank loan is characterized as borrowing base when labeled as such in public filings, usually a 10-K or 10-Q credit agreements, count documents.
CLASS_ID	Class ID	NVARCHAR (4000)	Unique identifier for each class.
COLLATERAL_DESC	Collateral Description	NVARCHAR (4000)	Analyst comments on COLLATERAL_TYPE, when needed.
COLLATERAL_RANK	Collateral Rank	INT	The instruments in each event are ranked in relation to each other based on the structure prior to default, taking into consideration collateral and instrument type, based on analyst assessment.
COLLATERAL_TYPE	Collateral Type	NVARCHAR (50)	One of 16 collateral types (i.e. "All Assets", "Second Line", "Unsecured").
COMMENT	COMMENT	NVARCHAR (4000)	Comments
CUSIP	CUSIP	NVARCHAR (4000)	Unique instrument identifier
DEBT_ABOVE	Debt Above	NVARCHAR (18,0)	The total dollar amount outstanding, at the time of default, of all defaulted debt that is contractually senior (per COLLATERAL_RANK) to the current instrument.
DEBT_BELOW	Debt Below	NVARCHAR (18,0)	The total dollar amount outstanding, at the time of default, of all defaulted debt that is contractually subordinate (per COLLATERAL_RANK) to the current instrument.
DEBT_CURRENT	Debt in Current Rank	NUMERIC (18, 0)	The total dollar amount outstanding, at the time of default, of all defaulted debt that is neither senior nor subordinate (per COLLATERAL_RANK) to the current instrument.
DECS	Instrument Description	NVARCHAR (4000)	The descriptive name of each instrument as researched from SEC filings, court documents and prices sources.
DID_NOT_DEFAULT_F	Did Instrument Default	BIT	Indicates whether this instrument defaulted during the event. There are cases, most often in distressed exchanges or restructurings where only some of the instruments will default. An effective rate is not calculated when an instrument did not default.
DISCOUNT_LIQUIDITY_TOTAL	Discount Liquidity Total	NUMERIC (18, 2)	The nominal liquidity recovery total discounted back from each settlement instrument's trading date to the last date cash paid of the individual defaulted instruments, using the defaulted instrument's effective interest rate
DISCOUNT_RECOMMENDED	Recommended Discounted Recovery Price	FLOAT	The discounted recovery rate recommended by Moody's Investor Service(MIS), based on internal research standards. This rate is based on either the liquidity, settlement or trading price method for recovery.
DISCOUNT_SETTLEMENT_TOTAL	Discount Settlement Total	NUMERIC (18, 0)	The nominal settlement recovery amount discounted back from each settlement instrument's trading date to the last date cash paid of the individual defaulted instruments, using the defaulted instrument's effective interest rate

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Field	Field Name	Data Type (Length)	Field Definition
DISCOUNT_TRADING_PRICE	Discount Trading Price	NUMERIC (18, 2)	The trading price nominal recovery value discounted from the trading date to the instrument's last date cash paid using the effective interest rate of the pre-defaulted instrument
EFFECTIVE_INTEREST_RATE	Effective Interest Rate	NUMERIC (18, 5)	The sum of the interest rate index, taken at last date of cash paid, and the spread over the index (INTEREST_BASE_RATE) or the fixed rate of the instrument
HOLDING_COMPANY_F	Holding Company	BIT	"-1" indicates that this instrument is Holding Company debt, otherwise this column will show "0".
INSTRUMENT_ID*	Instrument ID	INT	Unique identifier for each instrument
INTEREST_BASE_RATE	Interest Base Rate	NVARCHAR (50)	Interest base rate type, The kind of interest rate on which the effective e.g. Libor, Treasury, Prime or fixed rates.
INTEREST_FREQUENCY	Interest Frequency	NVARCHAR (50)	Frequency of interest and/or principal payments
INTEREST_PAYMENT_DATES	Interest Payment	NVARCHAR (50)	Scheduled dates of interest payments.
LAST_CASH_PAID_DATETIME	Last Date of Cash Paid	DATETIME	The last date prior to default that principal or interest was paid on this instrument. For discount instruments, this date is set at the date of instrument default.
LIQUID_DIS_F	Liquidity Discount Flag	BIT	Flags the liquidity discount values.
LIQUID_NOM_F	Liquidity Nominal Flag	BIT	Flags the liquidity nominal values.
LIST_COMMENT	List Comments	NVARCHAR (4000)	List comments
MAST_ISSU_NUM	Moody's Issue number	INT	Unique identifier for each obligation in the data. Additional information on this issue can be found in the MAST_ISSU table.
MATURITY_DATETIME	Maturity Date	DATETIME	Maturity date of instrument
NOMINAL_LIQUIDITY_TOTAL	Nominal Liquidity Total	NUMERIC (18, 2)	The sum value of the settlement instruments received for each defaulted instrument, using the value at the time of the liquidity event for each instrument, such as the maturity of the instrument, the call of the instrument, or a subsequent default, divided by the total principal amount of the class, reflected as a percentage of the principal amount at default.
NOMINAL_SETTLEMENT_TOTAL	Nominal Settlement Total	NUMERIC (18, 2)	The sum value of the settlement instruments received for each defaulted instrument, taken at or close to emergence, divided by the total principal defaulted amount of the class, reflected as a percentage of the principal amount at default
NOMINAL_TRADING_PRICE	Nominal Trading Price	NUMERIC (18, 2)	The average trading price at emergence of all instruments in the class, expressed as a percentage of par.
ORIGINAL_AMNT	Original Amount	FLOAT	Total original or face amount of this instrument in dollars.
ORIGINAL_PROCEEDS_AMNT	Original Proceeds	FLOAT	Original proceeds amount in dollars, populated when sold for less than face value, where available
ORIGINATION_DATETIME	Origination Date	DATETIME	The date the debt is issued, e.g. date of indenture/credit agreement of a defaulted debt facility
PERCENT_ABOVE	Percent of Debt Above	FLOAT	The percentage of debt which is contractually senior to the current instrument. Percent of debt above is derived by taking the principal above (\$) and dividing it by the total issuer debt. Total debt includes bonds and loans outstanding at the time of default, but not receivables.
PERCENT_BELOW	Percent of Debt Below	FLOAT	The percentage of debt which is contractually subordinated to the current instrument. Debt below percentage is derived by taking the principal debt below (\$) and dividing it by the total issuer debt. Total debt includes bonds and loans outstanding at the time of default, but not receivables.

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Field	Field Name	Data Type (Length)	Field Definition
PERCENT_CURRENT	Percent of Debt in Current Rank	FLOAT	Debt in current rank, per COLLATERAL_RANK, expressed as a percentage of total debt. Total debt includes bonds and loans outstanding at the time of default, but not receivables.
PRINCIPAL_AMOUNT_AT_DEFAULT	Principal Default Amount	FLOAT	This is the gross amount of debt outstanding for the instrument at the time of default, as dated in the RECOVERY_EVENT table. This amount may not be equal to the original amount of the instrument.
SETTLE_DIS_F	Settlement Discount Recalculation	BIT	Flags the settlement discount values.
SETTLE_NOM_F	Settlement Nominal Recalculation	BIT	Flags the settlement nominal values
TRADE_F	Trading Price Recalculation	BIT	Flags the trading price nominal and discount values.
TRADING_PRICE_30_DAY	30 Day Trading Price	FLOAT	The price of the instrument as of the date in TRADING_PRICE_30_DAY_DATETIME. This trading price is often used as a proxy for recovery rates at emergence. This price will be different from the DEF_PRICE in the DFLT_ISSU table. RECOVERY_INSTRUMENT is based on the date found in the EVENT table. DFLT_ISSU is concerned with the initial default date, as enumerated in the MAST_DFLT table.
TRADING_PRICE_30_DAY_DATETIME	30 Day Trading Price Date	DATETIME	Date of this instrument 30-days after issuer default, as enumerated in the RECOVERY_EVENT table. Please note that this will be different than the default date, and associated trading price in DFLT_ISSU.
TRADING_PRICE_EMERGENCE	Emergence Trading Price	FLOAT	Trading price of the instrument at or closest to emergence, based on market conditions. Price, expressed as a % of par, is as of the (TRADING_PRICE_EMERGENCE_DT date.
TRADING_PRICE_EMERGENCE_DT	Date of Emergence Trading Price	DATETIME	Date that corresponds to the price in the TRADING_PRICE_EMERGENCE column.
TYPE	Instrument Type	NVARCHAR (50)	Instrument type classification (i.e. Term Loan, Senior Secured bonds)
VALUE_OVER_BASE_RATE	Value Over Base Rate	NUMERIC (18, 3)	Percentage Spread over INTEREST_BASE_RATE

Note: Fields labeled with an asterisk (*) indicate a primary key relationship.

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Letter of Credit

Table: LOCS

Purpose: Stores information about Letters of Credit.

Field	Field Name	Data Type (Length)	Field Definition
MAST_ISSR_NUM*	Moody's Issuer Number	INT	Unique identifier for each issuer in the database, can be translated into a company name using the MAST_ISSR table.
BACK_COLLT_NUM*	Collateral Number	NUMERIC (11,0)	The unique identification number (system generated) assigned to a guarantor's asset of the collateral for a debt obligation. The BACK_COLLT_NUM is not the same as the DEBT_NUM from the MAST_ISSU table. Instead, Moody's assigns a number different from the issue DEBT_NUM to identify the issue's backup or collateral, if any was provided.
BACK_COLLT_CHAR_ID	Policy or Letter of Credit	VARCHAR (11)	Policy or Letter of Credit number..
EVGRN_F	Evergreen Flag	BIT	Indicates if the Letter of Credit is an Evergreen.
INS_PLCY_F	Insurance Policy Flag	BIT	Indicates if the record is an Insurance Policy.
LOC_ORG_NUM	Letter of Credit Provider	NUMERIC (11, 0)	Organization number of the bank providing the Letter of Credit.
BACKCOLLT_DECS_TXT	Collateral Description	NVARCHAR (225)	A description of the Letter of Credit provided by the debt obligation's guarantor.
CURRENCY_CD	Currency Code	NVARCHAR (50)	Currency code for a Letter of Credit. See "Ratings Database Codes" handout for a complete listing.
LOC_FACE_AMNT	Face Amount	NUMERIC (30,10)	Letter of Credit's value in face currency.
LOC_FACE_US_AMNT	USD Amount	NUMERICA (30,10)	Letter of Credit's value in USD.
LOC_FACE_US_AMNT_DATETIME	USB Amount Date	DATETIME	Date that the Letter of Credit's value (LOC_FACE_US_AMNT) in USD was computed.
LOC_TERM_DATETIME	Letter of Credit	DATETIME	Date that the letter of Credit actually terminated. This may or may not be the same as LOC_EXP_DATETIME.
LOC_EXP_DATETIME	Expiration Date	DATETIME	Expiration date of the Letter of Credit. This is the date that the Letter of Credit is scheduled to expire, the actual expiration date is LOC_TERM_DATETIME.
LOC_EFFT_DATETIME	Effective Date	DATETIME	Effective date of the Letter of Credit.
LAST_CHG_USR_CD	Person who Last Changed	NVARCHAR (8)	User ID of Person who last changed a row.
LAST_CHG_TYP_CD	Change to Type Code	NVARCHAR (3)	Last change to type code.
LAST_CHG_DATETIME	Date of Last Change	DATETIME	Date of the last change to the row.

Note: Fields labeled with an asterisk (*) indicate a primary key relationship.

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Backup Collateral

Table: BACK_COLLT

Purpose: Stores guarantor and collateral information for each debt in the dataset, where available, and indicates the type of guarantee these 3rd parties provide.

Field	Field Name	Data Type (Length)	Field Definition
MAST_ISSR_NUM*	Moody's Issuer Number	INT	Unique identifier of the issuer which issued the guaranteed/ collateralized debt enumerated in the MAST_ISSU_NUM in this table. Additional information on this issuer, such as name and industry, can be found in the MAST_ISSR table.
MAST_ISSU_NUM*	Moody's Issue Number	INT	Unique identifier for the debt on which there is a guarantee or a collateral backing, type shown in BACK_COLLT_TYP_CD.
ENHN_GUARN_NUM*	Enhancement Guarantor Number	NUMERIC (11, 0)	Moody's Rating Agency Issuer Number for the issuer at the top of the company's ownership hierarchy. This number can be translated into an ID for this database, using the ISSR_ID column of the ISSR_IDS table. This number matches Moodys.com
BACK_COLLT_TYP_CD	Backup Collateral Type Code	NVARCHAR (3)	Moody's description of the role of the guarantor in this obligation (e.g. Guarantee, Assumed, Joint Obligation); use LOOKUP Table
BACK_COLLT_NUM*	Backup Collateral identification Number	NUMERIC (11, 0)	The unique identification number (system generated) assigned to a guarantor's asset of the collateral for a debt obligation. The BACK_COLLT_NUM is not the same as the DEBT_NUM from the MAST_ISSU table. Instead, Moody's assigns a number different from the issue DEBT_NUM to identify the issue's backup or collateral, if any was provided.

Note: Fields labeled with an asterisk (*) indicate a primary key relationship.

Lookup

Table: LOOKUP

Purpose: Stores expansions of certain abbreviated codes used in other tables.

Field	Field Name	Data Type (Length)	Field Definition
FIELD_CD*	Field Code	NVARCHAR(225)	The abbreviations that correspond with the expanded textual descriptions in FIELD_TXT.

Note: Fields labeled with an asterisk (*) indicate a primary key relationship.

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Moody's Ratings Matrix

This table contains numerical representations of the ratings codes; they are not values. In 1983 the current alpha-numeric ratings system was introduced, indicated with the Universal Rating Numbers 1-23, and 181-183 for the Caa alpha numeric ratings. Previously a purely alphabetical system was used, as enumerated below by numbers 40-44 and 21 & 23. 50 indicates a withdrawn rating.

UNIV_RATG_NUM	EST_SENR_RTG_TXT
1	Aaa
2	Aa1
3	Aa2
4	Aa3
5	A1
6	A2
7	A3
8	Baa1
9	Baa2
10	Baa3
11	Ba1
12	Ba2
13	Ba3
14	B1
15	B2
16	B3
18	Caa
21	Ca
23	C
40	Aa
41	A

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Frequently Asked Questions (FAQ)

1. How often is the Default and Recovery data updated?

The Default and Recovery Data is updated monthly approximately around the 6th business day each month.

2. How can I obtain this data?

The Default and Recovery Data is available on Moody's FTP Platform (sftp3.moody.com) and Moody.com.

3. What format is the Default and Recovery data?

Moody's Analytics offers Microsoft Access Database and Pipe Delimited Text Files.

4. Where can I obtain information on connecting to the above platform?

Please contact Moody.com Client Service Desk for further information.

5. Who should I contact about information listed in this document?

Please contact Moody.com Client Service Desk.

About Moody's Analytics

Moody's Analytics, a unit of Moody's Corporation, helps capital markets and credit risk management professionals worldwide respond to an evolving marketplace with confidence. The company offers unique tools and best practices for measuring and managing risk through expertise and experience in credit analysis, economic research and financial risk management. By offering leading-edge software and advisory services, as well as the proprietary credit research produced by Moody's Investors Service, Moody's Analytics integrates and customizes its offerings to address specific business challenges.

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