

Data Element <sup>1</sup>	Field Definition	What data is needed? <sup>2</sup>	Required for submission through DTCC <sup>3</sup>	Why this field is important to be input <sup>4</sup>
CUSIP	A CUSIP is a security identifier issued by CUSIP Global Services and is composed of nine characters and can include letters and numbers.	Nine-digit alphanumeric security ID	Yes	The CUSIP is a critical field that identifies to the investor community which specific security is being communicated upon.
Replacement Choice Made	Field that describes to the market whether the issue has chosen a LIBOR replacement. If set to Yes, a replacement has been made. If set to No, it can be determined that a choice has not yet been made and that another record will be submitted once a replacement index has been decided upon.	Choose Yes or No	Yes	Indicating whether a fallback rate index has been selected to replace LIBOR for a security will help proactively answer questions as to the status of the replacement choice.
Updated Submission	Is previously input data being updated with this submission?	Choose Yes or No	No	This field will indicate whether any of the data previously submitted has changed and allow the investor community to determine if any changes are required to their data sets.
Submitter Company	The firm or organization, whose personnel are inputting a replacement rate change into the LIBOR Replacement Index Communication Tool.	Enter a company name	Yes	By inputting a firm or organization name, the investor community can use this as contact information if further information is required.

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<sup>&</sup>lt;sup>1</sup> This is the data element that will appear on DTCC's LIBOR Replacement Index Communication Tool

<sup>&</sup>lt;sup>2</sup> The fielded data referred to in the "What Data is Needed" column is what will be available for selection and / or input on DTCC's LIBOR Replacement Index Communication Tool

<sup>&</sup>lt;sup>3</sup> This column shows if a field is optional for the submission through DTCC. If the value corresponding to the field remains X, the submitter can either enter X into the field or leave it blank. If the value corresponding to the field changes from X to Y, the submitter should enter Y into the field. For example, the Margin Spread field is an optional field for the submission through DTCC. If the Margin Spread remains X, the submitter can either enter X into the Margin Spread field or leave it blank. If the Margin Spread changes from X to Y, the submitter should enter Y into the Margin Spread field. If you are unsure of the value, please refer to the determining person or security documentation

<sup>&</sup>lt;sup>4</sup> This section describes why a particular field is important to be included on a security's descriptive replacement rate details and why it is included on the DTCC LIBOR Replacement Index Communication Tool



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Submitter Entity Type	The type of service that the firm is performing on behalf of or as the issuer of this security.	Choose: Paying Agent Transfer Agent Issuer Calculation Agent Trustee Determining Person Other	Yes	This field will serve as additional information for the investor community to use while updating their reference data systems.
Submitter Contact Email	The email address of the contact at the firm or organization inputting a replacement rate change into the LIBOR Replacement Index Communication Tool. This should be a group email address for the relevant group within the firm or organization.	Enter a group email address	Yes	It may be necessary to contact submitters to clarify data points when additional information is necessary.
If different from Submitter information:		Choose Yes or No		
Information Source/ Provider Company Name	The firm or organization that was responsible for the selection of replacement index.	Enter a company name	Yes	By inputting a firm or organization name, the investor community can use as the information source as contact information if further information is required.
Information Source / Provider Entity Type	The type of service that the firm who selected the replacement index performs on behalf of the security.	Choose: Paying Agent Transfer Agent Calculation Agent Determining Person Issuer Trustee Other	No	This field will serve as additional information for the investor community to use while updating their reference data systems.

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Information Source / Provider Contact email	The email address of the contact at the firm or organization responsible for selecting the replacement index. This should be a group email address for the relevant group within the firm or organization.	Enter a group email address	No	It may be necessary to contact source data providers to clarify data points where the uploaded data is not clear.
Fallback Rate Index	The fallback / replacement index.	Choose one of the following indices:  SOFR Overnight Rate SOFR Averages  As an extension of the Secured Overnight Financing Rate (SOFR), the SOFR Averages are compounded averages of the SOFR over rolling 30-, 90- and 180-calendar day periods.  • SOFR 30-day avg • SOFR 90-day avg • SOFR 180-day avg	Yes	Specifying the correct fallback/replacement index is critical for holders of securities to begin accruing correctly.
Fallback Rate Index	The fallback / replacement index.	SOFR Index The SOFR Index measures the cumulative impact of compounding the SOFR on a unit of investment over time, with the initial value set to 1.00000000 on April 2, 2018, the first value date of the SOFR.	Yes	Specifying the correct fallback/replacement index is critical for holders of securities to begin accruing correctly.

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Fallback Rate Index	The fallback / replacement index.	Fed Funds  • Effective Federal Funds Rate  • Overnight Bank Funding Rate  • Tri-Party General Collateral Rate  • Broad General Collateral Rate	Yes	Specifying the correct fallback/replacement index is critical for holders of securities to begin accruing correctly.
Fallback Rate Index	The fallback / replacement index.	Refinitiv Fallbacks  Refinitiv O/N  Refinitiv 1W  Refinitiv 1M  Refinitiv 2M  Refinitiv 3M  Refinitiv 6M  Refinitiv 12M	Yes	Specifying the correct fallback/replacement index is critical for holders of securities to begin accruing correctly.
Fallback Rate Index	The fallback / replacement index.	BSBY  BSBY O/N  BSBY 1M  BSBY 3M  BSBY 6M  BSBY 12M	Yes	Specifying the correct fallback/replacement index is critical for holders of securities to begin accruing correctly.

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Fallback Rate Index	The fallback / replacement index.	AMERIBOR  AMERIBOR O/N  AMERIBOR 1W  AMERIBOR 1M  AMERIBOR 3M  AMERIBOR 6M  AMERIBOR 1Y  AMERIBOR 2Y  AMERIBOR 30 day average  AMERIBOR 90 day average  AMERIBOR 30T derived  AMERIBOR 90T derived	Yes	Specifying the correct fallback/replacement index is critical for holders of securities to begin accruing correctly

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Fallback Rate Index	The fallback / replacement index.	PRIME SOFR ICE Swap Rate  SOFR ISR 1Y SOFR ISR 2Y SOFR ISR 3Y SOFR ISR 4Y SOFR ISR 5Y SOFR ISR 6Y SOFR ISR 7Y SOFR ISR 8Y SOFR ISR 9Y SOFR ISR 10Y SOFR ISR 10Y SOFR ISR 15Y SOFR ISR 20Y SOFR ISR 30Y SYNTHETIC USD LIBOR USD SOFR Spread-Adjusted ICE Swap Rate SOFR Spread-Adjusted ISR 1Y SOFR Spread-Adjusted ISR 2Y SOFR Spread-Adjusted ISR 3Y SOFR Spread-Adjusted ISR 3Y SOFR Spread-Adjusted ISR 3Y SOFR Spread-Adjusted ISR 5Y SOFR Spread-Adjusted ISR 5Y SOFR Spread-Adjusted ISR 5Y SOFR Spread-Adjusted ISR 7Y SOFR Spread-Adjusted ISR 7Y SOFR Spread-Adjusted ISR 8Y SOFR Spread-Adjusted ISR 8Y SOFR Spread-Adjusted ISR 8Y SOFR Spread-Adjusted ISR 9Y SOFR Spread-Adjusted ISR 1SR 9Y SOFR Spread-Adjusted ISR 1SR 15Y SOFR Spread-Adjusted ISR 10Y SOFR Spread-Adjusted ISR 15Y SOFR Spread-Adjusted ISR 20Y SOFR Spread-Adjusted ISR 20Y SOFR Spread-Adjusted ISR 30Y Other - See PDF <sup>5</sup>	Yes	Specifying the correct fallback/replacement index is critical for holders of securities to begin accruing correctly.

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Spread Adjustment Amount (bps)	To adjust against LIBOR, the ARRC/ISDA recommends a 5-year historical median for fallbacks to SOFR-based rates, however users can set spread level at any custom amount. This can be referred to as spread, margin, or applicable margin	Choose one of the following <sup>5</sup> :  O/N = .64  1M = 11.448  3M = 26.161  6M = 42.826  12M = 71.513  Other - please specify	Yes	Although these recommended spreads are standardized and are being broadly adopted by the industry, it is possible that your specific fallback circumstance could differ.
Margin Spread (bps)	Additional spread assigned by the issuer. This can be referred to as spread, margin, or applicable margin.	Input a basis point spread in whole basis points (e.g., a spread of .26161 in percentage points would be 26.161 in basis points)	No	Margin Spread is considered basic security information and should be included so that security holders can correctly accrue interest.
Spread Methodology	This defines how the spread will be incorporated into the interest calculation.	Choose: Spread Inclusive Spread Exclusive Flat	No	Spread methodology is considered basic security information and should be included so that security holders can correctly accrue interest.
Day Count Convention	System representing the day count convention used for calculating yields and/or accrued interest.	Choose: Act/360 Act/365L Act/Act Act/365F 30/360 30E/360	No	Day Count Convention is considered basic security information and should be included so that security holders can correctly accrue interest.

<sup>&</sup>lt;sup>5</sup> This index type should be used only in situations where no other index is applicable to your security, and you are able to attach a PDF that describes the LIBOR replacement changes. For example, if you have a security that uses multiple benchmarks to calculate its interest rate, using the Other - See PDF index and attaching documentation may be a good use case



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Interest Accrual Methodology	The interest accrual calculation methodology.	Choose one of the following:  Compound in-Arrears Simple Daily in-Arrears Average in-Arrears Compound in-Advance Term Other	No	Accrual methodology is considered basic security information and should be included so that security holders can correctly accrue interest.
Lookback Days Type	Defines whether the lookback days are counted in calendar days or business days only.	Choose: Business Calendar	No	Lookback Days Type is considered basic security information and should be included so that security holders can correctly accrue interest.
Lookback Days	The number of business or calendar days prior to the fixing reset day on which to determine the rate.	Input the number of lookback days	No	Lookback Days is considered basic security information and should be included so that security holders can correctly accrue interest.
Observation Shift	The Observation Shift is sometimes used to align the interest rate with the appropriate day count weighting when a lookback is used.	Input the observation shift	No	# of Observation Shift Days is considered basic security information and should be included so that security holders can correctly accrue interest.
Lockout Days	Indicates the number of days prior to the end of the current coupon rate observation period where the current rate will cease being subject to reset.	Input the number of lockout days	No	# of Lockout Days is considered basic security information and should be included so that security holders can correctly accrue interest.
Payment Delay Days	Delay between the end of the accrual period and the payment.	Input the number of lockout days	No	# of Payment Delay Days is considered basic security information and should be included so that security holders can correctly accrue interest.

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Rounding Instructions	Rounding can be applied to annualized rate of interest pre calculation, or round final output.	Choose: Round Input rate Round Final Rate Round Final and Input Rate No Rounding	No	Correct Rounding is considered basic security information and should be included so that security holders can correctly accrue interest.
Rounding Decimals Places	The number of decimal places to round numbers to, rounding instruction can be found in term sheets and other securities prospectus including where to apply rounding in the calculation process.	Choose a value between 0 and 8	No	Correct Rounding/Precision is considered basic security information and should be included so that security holders can correctly accrue interest.
Business Day Convention	The business day convention determines how to proceed when a date which is relevant for the payment or calculation of interest falls on a non-business day.	Choose one of the following: Business Day Adjusted Following Business Day Unadjusted Modified Business Day Adjusted Modified Business Day Unadjusted Preceding Business Day Adjusted Preceding Business Day Unadjusted	No	Business Day Convention is considered basic security information and should be included so that security holders can correctly accrue interest.
The First Non-LIBOR Reset Date	Start of ARR coupon period. This is used to determine day count fractions for act/act (ICMA) and act/365L conventions. All other calculations, including rate reference dates for term rates are based on the start date input.	Use a calendar on the UI to input a date	No	This is a critical date for successful conversion from LIBOR to the fallback index. This is considered basic security information and should be included so that security holders can correctly accrue interest.
Floating Rate Calendar	The business calendar used for determining/applying fixing rates.	Choose the default <sup>6</sup> : US Gov't Bond Market And/or add free-form text representing another Calendar Type	No	Floating Rate Calendar is considered basic security information and should be included so that security holders can correctly accrue interest.

<sup>&</sup>lt;sup>6</sup> This value will appear blank on the LIBOR Replacement Index Communication Tool Review Submissions function unless a Reset Date has been specified and/or the Floating Rate Calendar field has been modified.

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