**Sample outputs of generated from regulatory compliance approach**

Output 1

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| Transaction has <no\_error> because of:  Rule <is\_reported\_transaction\_status\_variable\_correct> has <no\_error> because of:  Rule <is\_a\_value\_for\_field\_RTS> is <true>; action status: <pass> and severity status: <no\_error>  MetaData:  Data Quality Check Identifier: DQU100;  Field name: Missing value for field REPORTED TRANSACTION STATUS.;  Error severity: Error;  Data action: reject transaction  Rule <is\_a\_valid\_code\_provided\_for\_field\_RTS> is <true>; action status: <pass> and   severity status: <no\_error>  MetaData:  Data Quality Check Identifier: DQU101;  Field name: REPORTED TRANSACTION STATUS;  Data Quality Check Description: Invalid code [REPORTED TRANSACTION STATUS value] provided for field REPORTED TRANSACTION STATUS.;  Error severity: Error;  Data action: reject transaction  Rule <is\_RTS\_not\_AMND\_where\_PTI\_is\_not\_present\_or\_is\_flagged\_as\_inactive> is <true>;  action status: <pass> and severity status: <no\_error>  MetaData:  Data Quality Check Identifier: DQU102;  Field name: REPORTED TRANSACTION STATUS;  Data Quality Check Description: REPORTED TRANSACTION STATUS = AMND  where [PROPRIETARY TRANSACTION IDENTIFICATION value] is not present in database or is flagged as inactive due to a previous cancellation;  Error severity: Error;  Data action: reject transaction  Rule <is\_RTS\_not\_CORR\_where\_PTI\_is\_not\_present\_or\_is\_flagged\_as\_inactive> is <true>;   action status: <pass> and severity status: <no\_error>  MetaData:  Data Quality Check Identifier: DQU103;  Field name: REPORTED TRANSACTION STATUS;  Data Quality Check Description: REPORTED TRANSACTION STATUS = CORR where [PROPRIETARY TRANSACTION IDENTIFICATION value] is not present in database or   is flagged as inactive due to a previous cancellation;  Error severity: Error;  Data action: reject transaction  Rule <is\_RTS\_not\_CANC\_where\_PTI\_is\_not\_present\_or\_is\_flagged\_as\_inactive> is <true>;   action status: <pass> and severity status: <no\_error>  MetaData:  Data Quality Check Identifier: DQU104;  Field name: REPORTED TRANSACTION STATUS;  Data Quality Check Description: REPORTED TRANSACTION STATUS = CANC where [PROPRIETARY TRANSACTION IDENTIFICATION value] is not present in database or   is flagged as inactive due to a previous cancellation;  Error severity: Error;  Data action: reject transaction |

Output 2

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| Transaction has <an\_error> because of:  Rule <is\_novation\_status\_variable\_correct> has <an\_error> because of:  Rule <is\_a\_value\_for\_field\_novation\_status> is <false>; action status: <no\_action> and   severity status: <warning>  MetaData:  Data Quality Check Identifier: DQU150;  Field name: NOVATION STATUS;  Data Quality Check Description: Missing value for field NOVATION STATUS;  Error severity: Warning;  Data action: no action  Rule <is\_a\_valid\_code\_provided\_for\_field\_novation\_status> is <false>; action status: <reject> and severity status: <an\_error>  MetaData:  Data Quality Check Identifier: DQU151;  Field name: NOVATION STATUS;  Data Quality Check Description: Invalid code [NOVATION STATUS value] provided for field NOVATION STATUS.;  Error severity: Error;  Data action: reject transaction |

Output 3

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| Transaction has <no\_error> because of:  Rule <is\_trade\_date\_variable\_correct> has <no\_error> because of:  Rule <is\_a\_value\_for\_field\_trade\_date> is <true>; action status: <pass> and severity status: <no\_error>  MetaData:  Data Quality Check Identifier: DQU800;  Field name: TRADE DATE;  Data Quality Check Description: Missing value for field TRADE DATE.;  Error severity: Error;  Data action: reject transaction  Rule <is\_a\_valid\_date\_format\_provided\_for\_field\_trade\_date> is <true>; action status: <pass> and severity status: <no\_error>  MetaData:  Data Quality Check Identifier: DQU801;  Field name: TRADE DATE;  Data Quality Check Description: Invalid date format [TRADE DATE value] detected for field TRADE DATE.;  Error severity: Error;  Data action: reject transaction  Rule <is\_not\_trade\_date\_after\_settlement\_date> is <true>; action status: <no\_action> and severity status: <no\_warning>  MetaData:  Data Quality Check Identifier: DQU802;  Field name: TRADE DATE;  Data Quality Check Description: TRADE DATE [TRADE DATE value] is after SETTLEMENT DATE [SETTLEMENT DATE value].;  Error severity: Warning;  Data action: no action  Rule <is\_not\_trade\_date\_after\_maturity\_date> is <true>; action status: <pass> and severity status: <no\_error>  MetaData:  Data Quality Check Identifier: DQU803;  Field name: TRADE DATE;  Data Quality Check Description: TRADE DATE [TRADE DATE value] is after MATURITY DATE [MATURITY DATE value].;  Error severity: Error;  Data action: reject transaction  Rule <is\_not\_trade\_date\_after\_creation\_date> is <true>; action status: <pass> and severity status: <no\_error>  MetaData:  Data Quality Check Identifier: DQU804;  Field name: TRADE DATE;  Data Quality Check Description: TRADE DATE [TRADE DATE value] is after CREATION DATE [CREATION DATE value];  Error severity: Error;  Data action: reject transaction  Rule <is\_not\_trade\_date\_after\_end\_of\_reference\_period> is <true>; action status: <pass> and severity status: <no\_error>  MetaData:  Data Quality Check Identifier: DQU805;  Field name: TRADE DATE;  Data Quality Check Description: TRADE DATE [TRADE DATE value] is after end of REFERENCE PERIOD [REFERENCE PERIOD end value];  Error severity: Error;  Data action: reject transaction  Rule <is\_not\_trade\_date\_before\_1\_april\_2016> is <true>; action status: <pass> and severity status: <no\_error>  MetaData:  Data Quality Check Identifier: DQU806;  Field name: TRADE DATE;  Data Quality Check Description: TRADE DATE [TRADE DATE value] is before 1 April 2016.;  Error severity: Error;  Data action: reject transaction |