

Sample outputs of generated from regulatory compliance approach

Output 1

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

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

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