**CRL Interests Functional Design**

# **Introduction**

## ***Purpose of the document***

This document describes the functionality developed to receive CRL interests creation inbound notification. It defines the process carried out by this inbound transaction, describes the data contained within this inbound notification and outlines the tables and fields that this data will modify.

A CRL Interests creation notification will insert a new record into INTERESTS table where the interest type is CRL.

## ***Process***

* + 1. Initial file format validation will be performed on the inbound notification file’s Header. Please refer Appendix A for a complete description of the initial file format validation on the file’s header
    2. After validation of Header, a further initial file format validation will be performed on the CRL Interests creation file and will consists of the following:
* Record count must be 6
* The benefit type must be numeric and range between 01-99.
  + 1. Where the record fails validation rules detailed in paragraphs 1.3.6 and 1.3.7, it will be rejected and not processed.
    2. After successfully passing file format validation, the following business rules validation will be performed on the incoming notification:

|  |  |  |
| --- | --- | --- |
| REJECTION CODE | REJECTION RULES | DESCRIPTION |
| 2000 | ID is not live account | The ID received on file is not held in the account. |
| 2001 | ID is superseded | The ID received on file is superseded(it is no longer used) |
| 2013 | ID had date of death | If the individual is dead the reject transaction with rejection code 2013 |
| 2014 | CSCS interests received but CS2 CRL interests already exists. | CSCS interests received but CS2 CRL interests already exists. |

* + 1. Where a transaction fails the validation rules detailed in 1.2.4, it will be logged on to TXN\_ALERTS table and reject message will be viewable.
    2. And when transaction pass with the validation rules, the CRL Interests creation notification will create a record on INTERESTS table. The following are the possible scenarios that CRL Interests creation notification can encounter.

***Scenario 1:*** The transaction is dropped if INTEREST exists for the record with interests type= CRL on INTERESTS table and INT\_OFFICE\_TYPE=71(maintained) on INTERESTED\_PARTIES table.

***Scenario2:*** If no CRL interest exists for the record on INTERESTS table then insert incoming INTERESTS and associated INTERESTED\_PARTIES with details on the file. Please see the below tables for the data changes that occur for this scenario.

***INTERESTS table Insertion data:***

|  |  |  |  |
| --- | --- | --- | --- |
| Table | Column | Change | Expected Value |
| INTERESTS | BUSINESS\_INTEREST\_START\_DATE | Insert | DATE-TIME-STAMP input from the input record header |
| INTERESTS | INTEREST\_START\_DATE\_APPL\_DATE | Insert | DATE-TIME-STAMP input from the input record header |
| INTERESTS | INTEREST\_TYPE | Insert | CRL=3 |
| INTERESTS | DWP\_SERVICE\_KEY | Insert | Mapped Benefit Key that has been identified for the BENEFIT-TYPE input from the file. |
| INTERESTS | INTEREST\_CHG\_MD\_DEP\_ID | Insert | Sending department identifier (always defaulted to 1). |
| INTERESTS | CIS\_LAST\_APPLIED\_DATE | Insert | System Date |

***INTERESTED\_PARTIES table Insertion data:***

|  |  |  |  |
| --- | --- | --- | --- |
| Table | Column | Change | Expected Value |
| INTERESTED\_PARTIES | INT\_OFFICE\_TYPE | Insert | 71 (maintained) |
| INTERESTED\_PARTIES | START\_DATE | Insert | DATE-TIME-STAMP input from the input record header |
| INTERESTED\_PARTIES | PARTY\_START\_DATE\_APPL\_DATE | Insert | DATE-TIME-STAMP input from the input record header |
| INTERESTED\_PARTIES | DWP\_BENEFIT\_KEY | Insert | Mapped Benefit Key that has been identified for the BENEFIT-TYPE input from the file. |
| INTERESTED\_PARTIES | DWP\_BENEFIT\_SERVICE\_SYSTEM | Insert | The BENEFIT\_TYPE is mapped to the DWP\_SERVICE \_KEY to find the parent code and then populate the DWP\_BENEFIT\_SERVICE\_SYSTEM with that code. |
| INTERESTED\_PARTIES | PARTY\_CHG\_MD\_DEPT\_ID | Insert | always defaulted to 1 |
| INTERESTED\_PARTIES | SD\_OFFICE\_TYPE | Insert | Always defaulted to 1 |
| INTERESTED\_PARTIES | INTERESTS\_TYPE | Insert | CRL = 3 |
| INTERESTED\_PARTIES | CIS\_LAST\_APPLIED\_DATE | Insert | System Date |

***Scenario 3:*** If INTEREST exists for the record with INTEREST\_TYPE = CRL but INTEREST is closed, then Insert incoming INTEREST and associated INTERESTED­\_PARTIES with details from the file. Please see the tables below for the data changes that occur for this scenario.

***INTERESTS table Insertion data:***

|  |  |  |  |
| --- | --- | --- | --- |
| Table | Column | Change | Expected Value |
| INTERESTS | BUSINESS\_INTEREST\_START\_DATE | Insert | DATE-TIME-STAMP input from the input record header |
| INTERESTS | INTEREST\_START\_DATE\_APPL\_DATE | Insert | DATE-TIME-STAMP input from the input record header |
| INTERESTS | INTEREST\_TYPE | Insert | CRL=3 |
| INTERESTS | DWP\_SERVICE\_KEY | Insert | Mapped Benefit Key that has been identified for the BENEFIT-TYPE input from the file. |
| INTERESTS | INTEREST\_CHG\_MD\_DEP\_ID | Insert | Sending department identifier (always defaulted to 1). |
| INTERESTS | CIS\_LAST\_APPLIED\_DATE | Insert | System Date |

***INTERESTED\_PARTIES table Insertion data:***

|  |  |  |  |
| --- | --- | --- | --- |
| Table | Column | Change | Expected Value |
| INTERESTED\_PARTIES | INT\_OFFICE\_TYPE | Insert | 71 (maintained) |
| INTERESTED\_PARTIES | START\_DATE | Insert | DATE-TIME-STAMP input from the input record header |
| INTERESTED\_PARTIES | PARTY\_START\_DATE\_APPL\_DATE | Insert | DATE-TIME-STAMP input from the input record header |
| INTERESTED\_PARTIES | DWP\_BENEFIT\_KEY | Insert | Mapped Benefit Key that has been identified for the BENEFIT-TYPE input from the file. |
| INTERESTED\_PARTIES | DWP\_BENEFIT\_SERVICE\_SYSTEM | Insert | The BENEFIT\_TYPE is mapped to the DWP\_SERVICE \_KEY to find the parent code and then populate the DWP\_BENEFIT\_SERVICE\_SYSTEM with that code. |
| INTERESTED\_PARTIES | PARTY\_CHG\_MD\_DEPT\_ID | Insert | always defaulted to 1 |
| INTERESTED\_PARTIES | SD\_OFFICE\_TYPE | Insert | Always defaulted to 1 |
| INTERESTED\_PARTIES | INTERESTS\_TYPE | Insert | CRL = 3 |
| INTERESTED\_PARTIES | CIS\_LAST\_APPLIED\_DATE | Insert | System Date |

* + 1. Whenever CRL Interests creation is being processed, a check is performed to determine if the BENEFIT\_TYPE is NTC. If the Benefit type is NTC (DCI Value 97, CDS Mapped value 69) then no CRL interest will be created for that record. These records will be ignored and will not be processed for creating interests.

No error will be logged or sent to SEF in respect of not processing NTC CRL Interests.

These records will be marked as processed i.e. ‘P’ for Processed Flag column in Staging Table for purging as per BAU processes.

## ***Mapping***

* + 1. This table illustrates mapping and transformation relationships that exist for incoming inbound notifications and the subsequent update of customer record data on CIS.

|  |  |  |  |
| --- | --- | --- | --- |
| DCI Field | Table | CIS Column | Value mapping (Y/N) |
| BENEFIT\_TYPE | INTERESTS | DWP\_SERVICE\_KEY | Y |
| BENEFIT\_TYPE | INTERESTED\_PARTIES | DWP\_BENEFIT\_KEY | Y |

# **Appendix A**

* + 1. The table below explains the CRL interests creation inbound file format, the broadcast data is described in standard character and numeric representation.

|  |  |  |  |
| --- | --- | --- | --- |
| Ref | Data Name | Data Type | Size |
| 1 | RECORD\_COUNT | C | 5 |
| 2 | ID | C | 8 |
| 3 | SURNAME | C | 3 |
| 4 | INPUT\_OFFICE\_LOCATION\_NUMBER | C | 5 |
| 5 | DATE\_STAMP | C | 8 |
| 6 | TIME\_STAMP | C | 6 |
| 7 | TRANSACTION\_COUNT | C | 2 |
| 8 | RECORD\_COUNT | C | 5 |
| 9 | INPUT\_NUMBER | C | 4 |
| 10 | BENEFIT\_TYPE | C | 2 |