

Change Proposal – F40/01 (Page 1 of 2)	S21794 CP No: 551 <i>(mandatory by BSCCo)</i>
Title <i>(mandatory by originator)</i> Enduring Process to replace W006 – P0181 flow to SVAA	
<p>Description of Change <i>(mandatory by originator)</i></p> <p>CRA-I015 sub-flow 2 (known in Stage 2 as 'P0181') which is sent from the CRA to SVAA, is used to generate Market Domain Data (MDD) for Stage 2 participants. SVAA expects a full refresh of this data every time it changes.</p> <p>The way in which the file is currently being produced makes it unsuitable for use in generating MDD. In fact, use of the flow in its current format would make it impossible to perform Reconciliation runs in Stage 2.</p> <p>When parameters related to a BM Unit are changed in CRA, for example DC, GC or CALF, the 'Effective to Date' of the BM Unit is set to the day before the changes come into effect. A new BM Unit record with the changed parameters is created with an 'Effective From Date' of the day on which the parameters change. From a business perspective, the BM Unit has not ceased to trade at any time. The CRA system, however, requires the BM Unit to be recorded as "terminated" and "re-started" in order that parameters can be changed. The flow sent to SVAA only contains high level information about the BM Unit. SVAA does not require information on parameters which have changed.</p> <p>SVAA is affected in the following ways:</p> <ol style="list-style-type: none"> 1) Each time a low level parameter is changed, a flow is generated to SVAA. This flow will contain the de-registration of a BM Unit and its re-registration. 2) Each time a flow is generated it will only contain records that are effective on the day of creation or in the future. Stage 2 needs to know the real trading dates for each BM Unit so that reconciliation runs can be performed correctly. <p>As it stands, the P0181 produced by CRA contains data unsuitable for use by SVAA, and as such needs amending to a format that the SVAA system can use.</p> <p>Full details of the causes can be found in Appendix 1.</p>	
<p>Proposed Solution(s) <i>(mandatory by originator)</i></p> <p>Change to detail of Flow CRA-I015 sub-flow 2 (known in Stage 2 as 'P0181'), so that the following is provided:</p> <p>For each GSP Group Id, for each Supplier Id:</p> <p>A list of BM Units, and associated default flags, with Effective From/To Dates for which the BM Unit and its default flag are valid. Records will be included for all BM Units, even if the 'Effective To' dates are in the past or the 'Effective From' dates are in the future. The BMU records relating to each Supplier, GSP Group and BM Unit will first be sorted by Effective From Date (if this hasn't already been done by the CRA application). Consecutive BMU records with the same BM Unit Id and Default Flag and the 'Effective To Date' of each record being the day before the 'Effective From Date' of the record immediately following it, will then be grouped into a single record, as follows:</p> <ul style="list-style-type: none"> • The 'Effective From Date' should be the 'Effective From Date' of the <i>first</i> record against that 'BM Unit', 'Default Flag' combination. • The 'Effective To Date' should be the 'Effective To Date' of the <i>last</i> record against that 'BM Unit', 'Default Flag' combination. <p>This flow will only be sent when its contents change. It should also be noted that these rules are based upon</p>	

the assumptions documented in Appendix 2.

Justification for Change *(mandatory by originator)*

This process is intended to be the enduring process for Workaround W006 and addresses part 1 of NCR358. The justification for implementing this process is to maintain the integrity of Settlements.

Other Configurable Items Potentially Affected by Proposed Solution(s) *(optional by BSCCo)*

The proposed changes will require amendments to the CRA software. At present, W006 relies on a Logica produced macro to convert the existing P0181 produced to the format required using the rules detailed above. It is proposed to formally build this macro into the CRA software.

Impact on Core Industry Documents *(optional by originator)*

The following documents will be impacted by these changes:

- 1. NETA Data File Catalogue;
- 2. Interface Design Document – parts 1 and 2;
- 3. CRA User Requirements Specification;
- 4. CRA System Specification.

Related Changes and/or Projects *(mandatory by BSCCo)*

Originator's Details:

BCA Name.....

Organisation.....

Email Address.....

Date.....

[BSC Panel Representative].....

Organisation.....

Attachments: Y/N* (If Yes, No. of Pages attached:.....)
(delete as appropriate)

Appendix 1 – Full description of causes of problem

There are three causes of the above problem:

1. The 'Effective from date' and 'Effective to date' data items in CRA-I015 are interpreted differently by participants using CRA-I015 (sub-flow 1) for stage 1 purposes (BMRA, ECVAA and FAA) and those using CRA-I015 (sub-flow 2) for stage 2 purposes (SVAA):
 - SVAA interpret this as the dates between which the BM Unit is valid.
 - BMRA, ECVAA and FAA interpret this as dates between which the BM Unit is valid *and which the specified parameters are valid for that BM Unit*.

The CRA systems have been implemented using the second definition for *both* variants of CRA-I015. Therefore, if any parameter relating to a BM Unit is to be changed on a particular date, the 'Effective to date' in the existing record for the BM unit is set to the day before the change, and a new record is created for that BM Unit with the an 'Effective from date' of the date of the change and the changed parameter set accordingly in that record. However, the dates between which the BM Unit is valid are unchanged.

2. Historical Information is not being sent as part of CRA-I015. Therefore a BM Unit which is no longer valid (and therefore has an 'effective to date' that is before the current date) would not be included in the CRA-I015 sub-flow 2. This historical information is required by SVAA.
3. CRA-I015 sub-flow 2 is being sent to SVAA whenever CRAI015 *sub-flow 1* is being changed or at a minimum, on a daily basis. However, as sub-flow 2 only contains a sub-set of sub-flow 1, frequently the sub-flow 2 is unchanged by the change in sub-flow 1, but it is still sent. SVAA only require sub-flow 2 if information within sub-flow 2 has changed.

Appendix 2 – Assumptions

The following assumptions have been made to create the rules specified in the workaround description.

If any parameter has changed for a specific BM Unit:

- If a parameter against a BM Unit *is incorrect* (and thus should not be associated with any settlement activities), this record should be changed by editing the existing record.
- If a parameter against a BM Unit *changes on a particular date*, this record will be changed by setting its 'Effective to Date' to the date before the parameter will change. A new record with its 'Effective from Date' of the date of the parameter change will be created with its parameters changed accordingly.

Similarly, if a BM Unit is to be removed:

- If the BM Unit record was created *in error* (and thus should not be associated with any settlement activities), this record will be deleted.
- If the BM Unit record is being de-registered, this record will be changed by setting its 'Effective to Date' to the last day when the BM Unit is registered.