

NETA Change Form		ELEXON Reference
		P140
Title		Version No.
Revised Credit Cover methodology for Interconnector BM Units		0.3
		LogicaCMG Reference
		ICR533
Type of Assessment	Date CP Received	Date IA Issued
DLIA	28/10/03	29/10/03
Brief Summary of Change		
<p>The calculation of CAQCE for Interconnector BM Units will be changed so that it becomes based on the FPNs submitted by the Lead Party rather than trying to estimate an energy volume based on past trading activity.</p> <p>This DLIA is against the P140 Requirements Specification v1.0 dated 29 September 2003 [P140AS]. This version 0.3 of the DLIA adds an alternative solution as requested by ELEXON in the email titled 'Reassessment of P140 and P142' dated 28 October 2003.</p>		
LogicaCMG's Proposed Solution		
Original Solution		
<p>The work involved to meet each requirement in the P140 Requirements Specification is described below.</p> <p><u>Requirement 3.1.1 – ECVAA: Calculate Credit Cover Percentage</u></p> <ol style="list-style-type: none"> 1. The new FPN flow, which is sent by NGC to NETA Central Services, will be a new file type and be sent to the existing FTP account 2. New FPN Loader for ECVAA, which will be based on the SAA FPN Loader 3. Amend credit check: <ul style="list-style-type: none"> • Calculate period FPN for Interconnector BM Units • Default FPN to previous period where not available • Calculate CAQCE using FPN for Interconnector BM Units only 4. Amend NGC scanner to route new file type to ECVAA 5. Amend internal procedures to define the process for restarting the credit checker after an outage. The documents affected are: <ul style="list-style-type: none"> • Planned Outage Procedure • Unplanned Outage Procedure • DR Synchronisation Procedure <p><u>Requirement 3.1.2 – ECVAA: Modified ECVAA-I014 Notification Report</u></p> <ol style="list-style-type: none"> 1. Breakdown of QCE figures between Interconnector BM Units and other BM Units. <p><u>Requirement 3.1.3 – CRA: Processing of CALF Values</u></p> <ol style="list-style-type: none"> 1. Amend LWI to reflect that no CALF values will be received for Interconnector BM Units 		
Notes		
<ol style="list-style-type: none"> 1. The new FPN flow will go to ECVAA only and will be received 5 minutes before gate closure 		

2. BMRA will receive all FPNs after gate closure as at present and will not need to defer publishing of received data
3. If FPN data is not available when the credit check runs for a given settlement period, then the FPN will default to the FPN for the previous settlement period
4. If FPN data is received after credit check has already defaulted to data from previous period, the received data will be loaded but will not be used to calculate period FPN or CAQCE
5. Any subsequent FPN data corrections received (using Workaround 18 or its successor) will be ignored by the credit check

Alternative Solution

After discussion with the ELEXON lead analyst, an alternative solution is also proposed. The work involved is described below:

Requirement 3.1.1 – ECVA: Calculate Credit Cover Percentage

1. Existing BMRA / SAA FPN flow, is sent by NGC to NETA Central Services at the same time as it is currently, i.e. just after Gate Closure.
2. New FPN Loader for ECVA, which will be based on the SAA FPN Loader
3. Amend credit check:
 - For the current and any previous settlement period where FPN data has been received for that period since the last Credit Check, calculate period FPN for Interconnector BM Units
 - If FPN data has not yet been received for the current settlement period, set Period FPN to that of the previous settlement period. This is the normal case
 - For any previous settlement period where FPN data has been received since the last Credit Check, re-calculate CAQCE and any derived indebtedness values
4. Amend NGC scanner to copy FPN files to ECVA
5. Amend internal procedures to define the process for restarting the credit checker after an outage. The documents affected are:
 - Planned Outage Procedure
 - Unplanned Outage Procedure
 - DR Synchronisation Procedure

Requirement 3.1.2 – ECVA: Modified ECVA-I014 Notification Report

1. Breakdown of QCE figures between Interconnector BM Units and other BM Units.

Requirement 3.1.3 – CRA: Processing of CALF Values

1. Amend LWI to reflect that no CALF values will be received for Interconnector BM Units

Notes

1. When recalculating Period FPN, CAQCE and derived indebtedness values, only settlement periods in the Credit Check window (the last 29 days) where Actual Indebtedness values have not been received will be considered.
2. Period FPN *et al* is only recalculated for a settlement period when FPN data is received for that settlement period.
3. Any subsequent FPN data corrections received (using Workaround 18 or its successor) will be ignored by the credit check

Deviation from ELEXON's Solution / Requirements					
None.					
Operational Solution and Impact					
None.					
Testing Strategy					
Unit	X	Change Specific	X	End to End	
Module	X	Operational Acceptance	X	Participant Testing	
System	X	Performance	X	Parallel Running	
Regression		Volume		Deployment/ Backout	X
Other:					
This version 0.3 has removed the running of regression scripts RT-02, RT-11 and FAT-01.					
<u>Original Solution</u>					
<u>Core Business Functionality Testing</u>					
<ul style="list-style-type: none"> Regression Script RT-01 perform data set-up and these will be executed in the Dry and Main runs Regression Scripts RT-07, RT-08 and RT-09 will be executed in both Dry or Main runs to test existing ECVAA functionality 					
<u>Further Regression Testing</u>					
<ul style="list-style-type: none"> No further Regression tests will be conducted No Clock Change tests will be conducted Performance testing on the credit check will be conducted No Live data tests will be conducted 					
<u>Change Specific Testing</u>					
<ul style="list-style-type: none"> A new test script will be developed to handle the P140 functionality, namely: <ul style="list-style-type: none"> loading FPN data into ECVAA using a new FPN flow type, checking the use of the FPN data by the Credit Checker in calculating CAQCE for Interconnector type BMUs, defaulting FPN data appropriately where FPN data has not been received, running the I014 daily notification report to check the extra fields. No testing of the LWI changes will be conducted since it is a purely manual process. This new test will be executed in both Dry and Main Run 					
<u>Alternative Solution</u>					
<u>Core Business Functionality Testing</u>					
<ul style="list-style-type: none"> Regression Script RT-01 perform data set-up and this will be executed in the Dry and Main runs Regression Scripts RT-07, RT-08 and RT-09 will be executed in both Dry or Main runs to test existing ECVAA functionality 					
<u>Further Regression Testing</u>					
<ul style="list-style-type: none"> No further Regression tests will be conducted No Clock Change Regression tests will be conducted 					

<ul style="list-style-type: none"> No Live data tests will be conducted 							
<u>Change Specific Testing</u>							
<ul style="list-style-type: none"> A new test script will be developed to handle the P140 functionality, namely: <ul style="list-style-type: none"> loading FPN data into ECVAAs (using the existing BMRA/SAA flow directed to ECVAAs), defaulting FPN data appropriately for the current settlement period (where FPN data has not yet been received), once FPN has been received for previous settlement periods, checking the use of the FPN data by the Credit Checker in re-calculating CAQCE and Indebtedness values for Interconnector type BMUs, running the I014 daily notification report to check the extra fields. No testing of the LWI changes will be conducted since it is a purely manual process. This new test will be executed in both Dry and Main Runs. Performance tests will be conducted in a separate environment to check credit check performance (prior to OAT where the main performance testing will be done). 							
Validated Assumptions							
None.							
Outstanding Issues							
None.							
Changes to Service							
Services Impacted							
	BMRA	CDCA	CRA	ECVAA	SAA	TAA	Other
Software				X			
IDD Part 1 (Docs)				X			
IDD Part 1 (S'Sheet)				X			
IDD Part 2 (Docs)				X			
IDD Part 2 (S'Sheet)				X			
URS				X			
SS				X			
DS				X			
MSS							
OSM							
LWIs			X				
RTP	New tests will be added for future use.						
Comms	None						
Other	Planned Outage Procedure, Unplanned Outage Procedure, DR Synchronisation Procedure						

Nature of Documentation Changes		
Nature / Size of System Changes		
Medium		
Type of Release Costed:	Standalone Patch	
Deployment Issues, eg Outage Requirements:	Outage required.	
Impact on Service Levels:	None.	
Impact on System Performance:	None.	
Responsibilities of ELEXON		
<ul style="list-style-type: none"> • Within reasonable levels, ELEXON will make available appropriate staff to assist LogicaCMG during the development of this change. 		
Acceptance Criteria		
This is assumed to be covered by the acceptance criteria in the "CVA Program – Release Acceptance Criteria" document produced for the Feb03 release.		
Any Other Information		
None.		
Attachments		
P140 Price Presentation v0.3		
PRICING		
Price Breakdown		
Item description	Remarks	Price (ex VAT)
Change Specific	Original	£157,112
	Alternative	£196,264
Release Cost	Original	£298,626
	Alternative	£299,765
Total Price		£455,738
		£496,029

Project Duration		14 weeks	
Operational Price		£0	
Rationale			
None.			
Annual Price	Maintenance	Original Alternative	£21,996 £27,477
Rationale			
The Annual Maintenance Price is derived as 14% of the Change Specific Price of the software changes.			
Validity Constraints			
<ul style="list-style-type: none"> • Price excludes provision for indexation of daily rates from 1st April 2004 • Price and duration assume that this change is developed in isolation and the effects of other changes are excluded. Should this change be considered for the Jun04 Release, the duration would be increased due to the interaction of this change with the P98 credit checker changes. • No allowance is included for the final solution being different from the BRS • Price is for creating DCRs, not a formal documentation issue • No allowance is included for supporting PwC activities. Any effort will be charged at contracted T&M rates • No allowance is included for supporting ELEXON assurance activities. Any effort will be charged at contracted T&M rates • No allowance is included for End to End/Participant Testing activities. Any effort will be charged at contracted T&M rates • No allowance is included for Walkthrough activities. Any effort will be charged at contracted T&M rates <p>The offer is based on the following payment schedule:</p> <ul style="list-style-type: none"> • LogicaCMG will invoice 30% on receipt of Purchase Order or authorised start of work, 50% on completion of first build phase, 15% on live implementation and 5% on successful completion of the Success Criteria or one month after live implementation, whichever is sooner • Maintain charges will be invoiced monthly in arrears with part months charged pro rata. 			
Authorised Signature		Date Signed	