

NETA Change Form

Title		Version No.
P215 Revised Credit Cover Methodology for Generating BM Units.		0.2
		LogicaCMG Reference
		ICR844
ELEXON Reference	Date CP Received	Date IA Issued
CP 111	27 th November 2007	30 th November 2007
LogicaCMG Contact Name	Baseline for Impact Assessment	
Gemini Carrington	Brief Summary of Change	
Price Breakdown		
Item description	Remarks	Price (ex VAT)
Total Price (ex VAT)	Proposed Solution	£ 137,850
	Alternative 3 Solution	£ 283,210

Price Tolerance	0%
Justification for Price Tolerance	
**NOTE See "Any Other Information" section for details of additional porting costs **	

Project Duration	Proposed Solution	21 weeks
	Alternative 3 Solution	26 weeks

Cut Off Date for Inclusion in Specified Release (if applicable)
N/A

Operational Price (e.g. per annum or event) (ex VAT)	£0
Rationale	
N/A	

Annual Maintenance Price (ex VAT)	£0
Rationale	
The Annual Maintenance Price is zero under the agreement commencing on 1 January 2005.	

Validity Constraints	
<ul style="list-style-type: none"> • Price and duration assume that this change is developed in isolation and the effects of other changes are excluded. • No allowance is included for the final solution being different from the baseline. • No allowance is included for supporting Release Audit 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 • No allowance is included to support ELEXON in parallel run testing activities <p>The validity period for this assessment is 30 days and 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, 30% on completion of first build phase, 30% on live implementation and 10% on successful completion of the Success Criteria or one month after live implementation, whichever is sooner. 	
Authorised Signature	Date Signed

Requirements and Solution

Brief Summary of Change

After discussions at the Modification groups the options for progressing P215 have been narrowed down to two:

Proposed - proposed solution + Panel Quality Flag + Option C

Alternative - alternate solution 3 + Optional Report + Panel Quality Flag + Option C

ELEXON are targeting P215 Proposed solution for implementation in the November 2008 Release. This is not an issue as the lead time provides the Authority with 15 weeks to make a decision, assuming the Report is issued on Monday 21st January 2008.

Report sent - 21/01/08

Authority response - 06/05/08

LogicaCMG commence - 07/05/08

LogicaCMG Complete - 01/10/08

ELEXON commence - 02/10/08

Mod implemented - 06/11/08

We would also like to target the Alternate solution for November 08, but the lead time of 34 weeks would only allow 2 weeks for an Authority decision.

Report sent - 21/01/08

Authority response - 31/01/08

LogicaCMG commence - 01/02/08

LogicaCMG Complete - 26/09/08

ELEXON commence - 27/09/08

Mod implemented - 06/11/08

Also it has become apparent that the current LogicaCMG P215 impact assessment does not include the impact of the P215 Alternative on the Settlement Calendar. The SAA should include the new CDCA run in the Settlement Calendar. This is consistent with the inclusion of the other runs of the central systems.

Could LogicaCMG please review the solution to P215 Alternate to see if the lead time can be decreased by developing any changes (to ECVA and CRA for example) in parallel with other changes that are targeted for November 08 and include the impact of the P215 Alternative on the Settlement Calendar, as described above.

LogicaCMG's Proposed Solution

LogicaCMG have assessed the following two Solutions:

- Proposed Solution with Panel Quality Flag and Proposed Option C
- Alternative 3 Solution with Optional Reporting and Panel Quality Flag and Proposed Option C (including the Settlement Calendar)

Proposed Solution

BMUs that are deemed to be P215 qualifying will have their CEI derived from FPN data (as per P140 Interconnector BMU functionality).

Tasks

- Modify Credit Check to extend P140 code to include all P215 qualifying BMUs.
- Modify The MVRN Loader to extend P140 code to include all P215 qualifying BMUs.

- Modify ECVAA-I014 definition (not the functionality).

Documentation Changes

- IDD (part 1 doc & spreadsheet)
- ECVAA URS/SS/DS
 - Changes to Indebtedness Function.
 - Changes to I014 (out) - rename fields.

Alternative Solution 3

BMUs that are deemed to be P215 qualifying will have their CEI derived from FPN data. Those P215 qualifying BMUs that are CVA registered will have their Energy Indebtedness calculated from CDCA supplied Meter Volume data when it becomes available. If no Meter Volume data is available then Parties with BMUs that qualify will have a Metered Energy Indebtedness (MEI) value derived from FPN data.

Additional Tasks

- Modify CDCA Aggregation Process adding a new run mode.
- Modify CDCA Aggregation Report module to generate a new BMU Meter Volume flow.
- Create new BMU Meter Volume loader for ECVAA.
- Modify ECVAA Database to hold BMU Meter Volumes.
- Modify Credit Check to process P215 Qualifying BMUs using Meter Volume data or FPN and derive an MEI value for impacted parties.
- Modify ECVAA-I014 to report MEI value in new field.
- Modify SAA Settlement Calendar to include the new run.

Additional Documentation Changes

- IDD (part 1 doc & spreadsheet; part 2 doc & spreadsheet)
- CDCA URS/SS/DS
 - Change to Aggregation Function.
 - New BMU Meter Volume flow to ECVAA.
- ECVAA URS/SS/DS
 - New BMU Meter Volume flow from CDCA.
 - Changes to the I014 – new MEI field.

Demand BMUs - Option C (Common to Proposed and Alternative)

Demand BMUs to be included in the P215 calculation would be identified by a new registration data flag.

Additional Tasks

- Modify CRA BMU Screen to include Demand Qualifying tick-box.
- Modify the CRA-I014 report to report Demand BMUs Qualifying Flag.
- Modify CRA-I015 (BMRA/ECVAA/FAA) to include Demand BMU Qualifying Flag [no impact on FAA or BMRA].
- Modify CRA/ECVAA Database to add Demand Qualifying Flag field.
- Modify ECVAA BMU Loader to read new value.
- Modify Credit Check to process Demand Qualifying BMUs correctly (use DC rather than GC).

Documentation Changes

- IDD (part 1 doc & spreadsheet; part 2 doc & spreadsheet)
- ECVAA URS/SS/DS
 - Changes to Indebtedness Function.
 - Changes to I001 BMU Data (in).

- CRA URS/SS/DS
 - New manual flow from Elexon for Demand Qualifying BMUs.
 - Changes to I014 Daily (out).
 - Changes to I015 BMU to ECVAA (out).
 -

Panel Qualifying Flag (Common to Proposed and Alternative)

BMUs that are deemed to be P215 qualifying as the result of a Panel decision will be flagged as such within CRA and this information will be reported to ECVAA.

Additional Tasks

- Modify CRA BMU Screen to include P215 Qualifying tick-box.
- Modify the CRA-I014 and CRA-I020 report to report P215's new BMUs Qualifying Flag.
- Modify CRA-I015 (BMRA/ECVAA/FAA) to include BMU Exempt Export Data and P215 Qualifying Flag [no impact on FAA or BMRA].
- Modify CRA/ ECVAA Database to add P215 Qualifying Flag field.
- Modify ECVAA BMU Loader to read new Flag value.

Additional Documentation Changes

- IDD (part 1 doc & spreadsheet; part 2 doc & spreadsheet)
- CRA URS/SS/DS
 - New manual flow from Elexon for P215 Qualifying.
 - Changes to I014 and I020 Daily (out).
 - Changes to I015 BMU to ECVAA (out).
- ECVAA URS/SS/DS
 - Changes to I001 BMU Data (in).

Optional Reporting (for Alternative 3 only)

Report CDCA Meter Volume data used in ECVAA by expanding the new CDCA Meter Volume Report to target Participants as well as ECVAA.

Additional Tasks

- Modify new CDCA Meter Volume Report to include additional recipients.

Additional Documentation Changes

- IDD (part 1 doc & spreadsheet)
- CDCA URS/SS/DS
 - Extend new flow definition.

Please Note: Now that ELEXON have identified the chosen options for Alternative 3, LogicaCMG have assessed that this scope can be delivered within a project duration of 26 weeks and at no extra cost. This cost includes the extra functionality requested to modify the SAA Settlement Calendar to include a new run.

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		Participant Testing	
System	X	Performance		Parallel Running	
Regression	X	Volume		Deployment/ Backout	X
Other:					
Validated Assumptions					
<p><u>Proposed Solution</u></p> <ul style="list-style-type: none"> • A new manual flow from Elexon will define P215 qualifying BMUs. <p><u>Alternative Solution 3</u></p> <ul style="list-style-type: none"> • The MEI calculation based on CDCA data will be done for SP 1 (in line with current AEI processing) rather than when the CDCA data arrives. • CEI will not be recalculated at the time that MEI is calculated. • MEI is not impacted by late MVRNs. <p><u>Panel Qualifying Flag (Common to Proposed and Alternative)</u></p> <ul style="list-style-type: none"> • A new manual flow from Elexon will define P215 qualifying BMUs. <p><u>Demand BMUs – Option C (Common to Proposed and Alternative)</u></p> <ul style="list-style-type: none"> • A new manual flow from ELEXON will define P215 qualifying Demand BMUs. <p><u>Optional Reporting (for Alternative 3 only)</u></p> <ul style="list-style-type: none"> • Participant reports will only include BMUs that they are the Lead Party for. 					
Outstanding Issues					
None					

Changes to Service									
Services Impacted									
	BMRA	CDCA	CRA	ECVAA	FAA	PARMS	SAA	SVA	Other
Software		X	X	X					
IDD Part 1 (Docs)		X	X	X					
IDD Part 1 (S'heet)		X	X	X					
IDD Part 2 (Docs)		X	X	X					
IDD Part 2 (S'heet)		X	X	X					
URS		X	X	X					
SS		X	X	X					
DS		X	X	X					
MSS									
OSM									
LWIs									
RTP	None								
Comms	None								
Other	Settlement Calendar Calculation Spreadsheet								
Nature of Documentation Changes									
Full Document		Document Change Record					None		X
Deployment Issues, e.g. Outage Requirements:						Outage requirements – required for ECVAA			
Impact on Service Levels:						None			
Impact on System Performance:						None			
Acceptance Criteria									
This is covered by the acceptance criterion 2 in the Change Delivery – Release Acceptance Criteria (002rnr50.doc) v5.0 dated 13 th October 2003.									

Any Other InformationPort and Migrate costs

We have assumed a November 2008 target release for these costings. This means delivery under the current hardware baseline (Tru-64 and Oracle 9i) and thus would require an additional work to port. Migrate and test the changes on the new hardware baseline (HP-UX and Oracle 10g). These activities include :-

- Port of the change to HP-UX including confidence testing
- Oracle 9i Bench mark tests
- Oracle 10g Bench mark tests
- Regression and performance testing
- Resolution of any issues raised by the above
- Release of ported software with release documentation

We estimate the additional port and migrate costs for these changes to be in the range £22,000 (Proposed Solution) to £50,000 (Alternative 3 Solution).

Costs excluded

Any activity associated with OAT, Deployment Testing and deployment are non-determinable at this time as no decisions have been made about the Operate and Host supplier for this period (and their relative responsibilities for a release onto the live environment). If LogicaCMG were the Operate and Host supplier we would be able to reduce the release costs from those quoted above due to documentation similarities.

Attachments

CR 111 P215 Labour Presentation v0.2.xls