NETA Change Form

Title		Version No.
P215 Revised Credit Cover Methodology for Generating BM Units.		0.3
		LogicaCMG Reference
		ICR844

ELEXON Reference	**Date CP Received**	**Date IA Issued**
CR 111	4th December 2007	7th December 2007

LogicaCMG Contact Name	**Baseline for Impact Assessment**
Gemini Carrington	CR111 v3.0.doc dated 4th December 2007 CR111 v4.0.doc dated 4th December 2007

Price Breakdown		
Item description	**Remarks**	**Price (ex VAT)**
Total Price (ex VAT)	Proposed Solution	£ 134,000
	Proposed Solution with **LogicaCMG Option:**	
	I020 CRA Report	£ 137,850
	Alternative 3 Solution	£ 268,700
	Alternative 3 Solution with **LogicaCMG Option:** I020 CRA Report	£ 273,800

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

Project Duration	Proposed Solution	20 weeks
	Proposed Solution with **LogicaCMG Option:**	
	I020 CRA Report	20 weeks
	Alternative 3 Solution	25 weeks
	Alternative 3 Solution with **LogicaCMG Option:** I020 CRA Report	25 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
- 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   The validity period for this assessment is 30 days and is based on the following payment schedule: - 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

ELEXON report there has been discussion regarding P215 since LogicaCMG's impact assessment returned (v0.2) on 30 November 07. ELEXON request LogicaCMG to revise their assessment with the following criteria, regarding both the P215 Proposed and Alternative Solutions returned (v0.2) on 30 November 07:

Demand BMUs - Option C
The aspect 'Demand BMUs - Option C (Common to Proposed and Alternative)'. Please assess on the basis that the objective (CEI of non-Credit Qualifying demand BM Units within Production Trading Units being calculated using CALF*DC, or BMCAIC) would be achieved by slightly different means.

The v0.2 description is:
> 'Demand BMUs to be included in the P215 calculation would be identified by a new registration data flag' [*NB demand BM Units would not be included in a 'P215 calculation', but rather would use DC*CALF (BMCAIC), rather than GC*CALF (BMCAEC) as they would revert to under the current baseline*].

This would be replaced by a requirement that BMCAIC is used in place of BMCAEC for those Production BM Units which:
- Are not Credit Qualifying BM Units (i.e. because they do not submit FPNs; and therefore need a CALF-based CAQCE value); and
- Have a value of (DC + GC) that is not greater than zero (i.e. their 'Relevant Capacity' is DC).

In other words, calculation of CAQCE for Production BM Units that are not Credit Qualifying BM Units would be done using the appropriate methodology (as specified in M1.2.3 of the Code) according to their Relevant Capacity (determined in an analogous way to K3.4.8).

Changes to CRA-I020 and ECVAA-I014 flows
- No changes will be made to the CRA-I020 flow - i.e. BM Unit Qualifying Flag information will not be reported in the flow. (ELEXON would in this case seek to develop a workaround enable ELEXON to receive the information as required)
- Two versions of the ECVAA-I014 flow will be maintained permanently. The new version of the ECVAA-I014 will be supplied to all other recipients, but National Grid will continue to receive the current version indefinitely. LogicaCMG should propose the most cost effective way to deliver this, giving due consideration to any future changes which may need to be made to the ECVAA-I014 and any other factors that are identified.

Please could LogicaCMG specify the cost/cost-saving associated with each of these aspects, with regard to both the P215 Proposed and Alternative Modification.

LogicaCMG's Proposed Solution

LogicaCMG have assessed the solutions for Proposed and Alternative 3 options which include both changes to the Demand BMUs - Option C (CR111 v3.0.doc) and CRA-I020 + ECVAA-I014 flows (CR111 v4.0.doc) as one assessment.

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 CRA BMU Screen to include P215 Qualifying tick-box
- Modify the CRA-I014 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 value
- 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)

Optional Tasks (CRA-I020 reporting)
- Add a new version of the CRA-I020 report to report P215's new BMUs Qualifying Flag
- Configure the CRA - I020 report such that the new version is sent to ELEXON only and the current version continues to be sent to NGET.

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)
    - Changes to I014 (out) - rename fields
- CRA URS/SS/DS
    - New manual flow from ELEXON for P215 Qualifying
    - Changes to I014 (out)
    - Changes to I015 BMU to ECVAA (out)
- Optional(CRA-I020 reporting):
    - Changes to I020 Daily (out)

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.
- Add a new version of the ECVAA-I014 to report MEI value in new fields
- Configure the ECVAA-I014 report such that the existing version continues to be sent to NGET only, and the new version is sent to all other recipients.
- Modify SAA Settlement Calendar to include the new run.

Optional Tasks (CRA-I020 reporting)
- Add a new version of the CRA-I020 report to report P215's new BMUs Qualifying Flag
- Configure the CRA - I020 report such that the new version is sent to ELEXON only and the current version continues to be sent to NGET.

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.
- Optional(CRA-I020 reporting):
    - Changes to I020 Daily (out)

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

Demand BMUs to be included in the P215 calculation would be identified by the sum of their Generation and Demand Capacities (i.e. in their relevant capacities).

Additional Tasks
- Modify Credit Check to identify and process relevant demand BMUs correctly (use DC rather than GC)

Documentation Changes
- ECVAA URS/SS/DS
    - Changes to Indebtedness Function.

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.

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

Proposed Solution
- A new manual flow from ELEXON will define P215 qualifying BMUs.

Alternative Solution 3

- 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.

Optional Reporting (for Alternative 3 only)
- 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'Sheet)		X	X	X					
IDD Part 2 (Docs)		X	X	X					
IDD Part 2 (S'Sheet)		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	X	Document Change Record	X	None	

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 (002rmr50.doc) v5.0 dated 13th October 2003.

Any Other Information

Port 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 v0.1.xls CR111 v3.0.doc CR111 v4.0.doc