NETA Change Form

Title		Version No.
P219 Consistency between Forecast and Outturn Demand		0.1
		LogicaCMG Reference
		ICR862
ELEXON Reference	**Date CP Received**	**Date IA Issued**
CR 113	27th November 2007	11th December 2007
LogicaCMG Contact Name	**Baseline for Impact Assessment**	
Gemini Carrington	CR113 – P219.doc dated 26th Nov 2007 P219 Requirement Spec_1.0.doc v1.0 dated 27th Nov 2007	

Prices (ex VAT)

Item description	Remarks	Price (ex VAT)
Without CP1217	To Current Live Tru-64 Port & Migrate Tru-64 to HP-UX/10g June'09 HP-UX/10g	£ 100,800 £ 21,000 £ 80,600[1]
With CP1217	To Current Live Tru-64 Port & Migrate Tru-64 to HP-UX/10g June'09 HP-UX/10g	£ 87,900 £ 22,400 £ 66,700[1]

Price Tolerance	0%
Justification for Price Tolerance	
N/A	

Project Duration	Without CP1219:	
	To Current Live Tru-64	18 weeks
	Port & Migrate Tru-64 to HP-UX/10g	5 weeks
	June'09 HP-UX /10g	15 weeks
	With CP1219:	
	To Current Live Tru-64	15 weeks
	Port & Migrate Tru-64 to HP-UX/10g	5 weeks
	June'09 HP-UX /10g	12 weeks
Cut Off Date for Inclusion in Specified Release (if applicable)		
N/A		

[1] Please note that any Jun'09 delivery will have to be re-assessed once the AM&D contract extension terms have been agreed

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

P219 seeks to address the ambiguity surrounding the forecast and out-turn data reported on the BMRS (Balancing Mechanism Reporting System) and to align the BSC provisions with the Grid Code. P219 aims to achieve this by providing two sets of data to the BMRS for both, Demand forecast and Demand Out-turn. P219 will introduce into the BSC the definition of Transmission System Demand and amend several definitions as stated in the Modification Proposal, all of which will be aligned with the definitions of the Grid Code.

LogicaCMG's Proposed Solution

This modification requires the BMRA to load, validate and publish a series of new flows and to modify the BMRS Websites to allow the data to be viewed and downloaded.

LogicaCMG intend to use the same approach as that used in the recent delivery of Online Forms (ICR803) and Electricity Summary Page Phase I (ICR829). LogicaCMG propose to adopt a collaborative design approach involving NGT/ELEXON in design workshops and subsequent reviews during development.

Following the structure of the P219 Requirements Specification itself, the solution is described in the following sections:

2-52 Week Ahead Data

In order to receive an additional flow of 2-52 week ahead demand data at the same weekly time interval as the current NDFW, the following tasks will be required:

- Ability to publish the new flow in a new TIBCO message.
- Write a new flow loader to load the new stream of 2-52 week ahead demand forecast data and to publish it over TIBCO.
- The existing 2-52 week ahead page will need amending to include another graph and table. The CSV will be modified to include the new data.
- In order to provide a separate cost for amending the High Grade website, new applets will required to subscribe to the new data feed and update the graph and table.
- The existing query will be modified to retrieve the new Demand data by passing a new data type value as a parameter. No back-end BWR is required to return the data to the webpage.

There is no history component to any Forecast data.

2-14 Day Ahead Data

To receive an additional flow of 2-14 day ahead demand data at the same daily time interval as the current NDFD, the following tasks will be required:

- Publish the new flow in a new TIBCO message.
- Write a new flow loader to load the new stream of 2-14 day ahead demand forecast data and to publish it over TIBCO.
- The existing 2-14 day ahead page will need amending to include another graph and table. The CSV will be modified to include the new data.
- In order to provide a separate price for amending the High Grade website, new applets will required to subscribe to the new data feed and update the graph and table.
- The existing query will be modified to retrieve the new Demand data by passing a new data type value as a parameter. No back-end BWR is required to return the data to the

webpage.

There is no history component to any Forecast data.

Day and Day Ahead

To receive an additional flow of day and day ahead demand data at the same daily time interval as the current DF, the following tasks will be required:

- Publish the new flow in a new TIBCO message.
- Write a new flow loader to load the new stream of day and day ahead demand forecast data and to publish it over TIBCO.
- The existing National Demand Forecast ahead page will be amended to include another data series line on the graph and a new table below. The CSV will be modified to include the new data.
- The Day and Day Ahead Demand graph on the Market View page (Inner Homepage) will also be amended to include the new data series.
- In order to provide a separate price for amending the High Grade website, new applets will be required to subscribe to the new data feed and update the graph and table.
- The existing query will be modified to retrieve the new Demand data by passing a new data type value as a parameter. No back-end BWR is required to return the data to the webpage.

There is no history component to any Forecast data.

Initial Demand Out-turn

To receive an additional flow of demand out-turn data (known as ITSDO) at the same half-hourly time interval as the current INDO , the following tasks will be required:

- Publish the new flow in a new TIBCO message.
- Write a new flow loader to load the new stream of ITSDO demand forecast data and to publish it over TIBCO. This will be cloned from the INDO loader.
- The existing INDO Latest/NRT and Historic pages will be amending to include another line on the graph and extra column of data in the table below. The CSV will be modified to include the new data.
- The existing BWR query for period level data will be used unaltered to return both INDO and ITSDO.
- The Historic page will be amended to cope with showing either one or two lines and one or two values in the table, depending on whether the historic query is for a date pre or post implementation.
- In order to provide a separate price for amending the High Grade website, new or amended applets will be required to subscribe to the new data feed and update the graph and table.

Electricity Summary Page Impact

There is a small impact on the Electricity Summary Page where currently data from the 08:45 DF forecast is retrieved. This would now be switched to the latest Transmission System Demand Forecast. This impacts 2 BWR queries in a very minor way. However, this does not impact the High Grade website at all as the Summary Page is not deployed there.

Other Changes Required

The web cache Invalidation package will be amended so that the new flows trigger invalidation of the appropriate pages.

Please See “Additional Information” Section for information regarding the Release Strategy.

P220 assessment has not been completed yet and any possible implementation savings will be identified in the forthcoming P220 Assessment only.

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 :

Please Note.

- This assessment does not currently include Operational Acceptance Testing (OAT).
- The Regression Test Pack will be updated for future use.
- No scope for Participant Testing effort has been included in this assessment.
- LogicaCMG would welcome discussing ELEXON, National Grid and Industry involvement in the Testing Phase.
- LogicaCMG would also welcome a discussion regarding the implementation strategy in conjunction with other releases to minimise risk and cost to industry e.g. Patch Releases/Formal Release, Combined developments, etc.

Validated Assumptions

None

Outstanding Issues

None

Changes to Service									
Services Impacted									
	BMRA	CDCA	CRA	ECVAA	FAA	PARMS	SAA	SVA	Other
Software	X								
IDD Part 1 (Docs)	X								
IDD Part 1 (S'Sheet)	X								
IDD Part 2 (Docs)									
IDD Part 2 (S'Sheet)									
URS	X								
SS	X								
DS	X								
MSS									
OSM									
LWIs									
RTP	None								
Comms	None								
Other	None								

Nature of Documentation Changes					
Full Document		Document Change Record	X	None	

Deployment Issues, e.g. Outage Requirements:	To be discussed.
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

- Release Strategy – LogicaCMG would like to discuss an appropriate/alternative phased Release Strategy for this assessment.

Attachments

CR112 P219 Labour Presentation v0.1.xls