

NETA Change Form

Title		Version No.
P222 Provision of EAC and AA data to Distributors		0.2
		Logica Reference
		ICR881
ELEXON Reference	Date CP Received	Date IA Issued
CR125	23 rd April 2008	23 rd April 2008
Logica Contact Name	Baseline for Impact Assessment	
Gemini Carrington	CR125 – P222.doc dated 12 th March 2008 and email received from Chris Stewart on 23 rd April 2008	
Price Breakdown		
Item description	Remarks	Price (ex VAT)
Change Specific	Proposed Alternative Modification	£ 67,000

Total Price (ex VAT)	Proposed Alternative Modification	£ 67,000
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Price Tolerance	0%
Justification for Price Tolerance	
N/A	

Project Duration	12 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"> • Logica 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
<p>Brief Summary of Change</p> <p>There are 3 potential solutions to address the issue identified in P222. Two of these are BSC solutions and one is a non-BSC solution. Additionally, the Group noted that Licensed Distribution System Operators (LDSOs) can currently obtain site specific consumption data by processing existing BSC flows, or by requesting data from Suppliers. Impacts from each solution, and the costs of the current processes available, are requested to enable the Group to quantify the benefits of a BSC solution.</p> <p>Proposed Modification P222 (BSC Solution) seeks to provide LDSOs with Estimated Annual Consumption (EAC) and Annualised Advance (AA) information through placing a specific obligation on the Supplier (via their Non Half Hourly Data Collector) to send a D0019 'Metering System EAC/AA data' flow at the same time as it is sent to the Supplier and Non Half Hourly Data Aggregator.</p> <p>Potential Alternative Modification P222 (BSC Solution) seeks to provide the LDSOs with a snapshot of Estimated Annual Consumption through placing a specific obligation on the Supplier (via their Non Half Hourly Data Aggregator) to send a new data flow that is based on a new data flow. This would be sent quarterly.</p> <p>A potential non-BSC Solution requires a change to DCUSA to enable LDSOs to specifically request D0019-equivalent data, and to be able to receive this in a consistent format from Suppliers.</p> <p>Currently LDSOs can obtain 'D0019-equivalent data' through 2 methods that would involve no change to the BSC or DCUSA. The first method is by processing data from existing BSC flows to derive a value similar to that contained within the D0019. The second method would be to use bi-lateral agreements and LDSOs good working relations with Suppliers, to obtain D0019-equivalent data on an ad-hoc basis (or as agreed in any bi-lateral agreement).</p> <p>Logica's Proposed Solution</p> <p>Of the 3 potential solutions for P222, only the Potential Alternative Modification (BSC Solution) affects NHHDA, thus this Impact Assessment addresses that solution only.</p> <p>Potential Alternative Modification P222 (BSC Solution)</p> <p>The NHHDA database contains all the data that is required to be sent to the LDSO in the new flow. However the database structure is designed for optimal performance of the NHHDA Aggregation Run; it is not designed for easy data reporting. Thus production of the new flow will be a major new NHHDA process, less complex than the existing processes such as the aggregation run and instruction processing, but of a similar order of complexity. However some of the processing undertaken by the aggregation run can be reused in the new process.</p> <p>Data for the new flow will be selected using the same logic as would be run to extract the data for an aggregation run for a Settlement Date of today: thus all the consumptions extracted will be EACs not AAs. The first stage of the new report process will extract this data for all the Metering Systems in the NHHDA database into temporary tables. The second stage of the process will read the temporary tables to produce a report for each LDSO. The distributor will be selected using the Distributor Participant Id column held in the temporary tables (from the NDB_PRS_DETS partitioned database table).</p> <p>The advantage of this approach of reusing the Aggregation Run logic is the assurance that</p>

the EACs reported on are those that will be used in Settlement (if no subsequent EACs or AAs have been loaded by Instruction Processing by the time the first Settlement Run is carried out). The raw data from the D0019s has been successfully validated by NHHDA Instruction Processing to reach this stage.

Additional requirement from CR125 P222 Impact Assessment v0.1

It was brought to our attention by ELEXON that there was to mention of what would happen in the event that no EAC values were available and whether a default EAC would be reported. Logica have investigated this and have details can be found below. Please note that this additional requirement will not alter the cost of this Impact Assessment.

Handling Default EACs

If the EAC value is missing then the GSP Group Profile Class Default EAC (GGPCDEAC) which is Market Domain Data held in the NHHDA database will be used.

This will entail reporting the MPAN with GGPCDEAC and a use of a Flag to indicate which MPAN the GGPCDEAC is related to so that Parties would know there has been a default value used. The flag will be added to the flow structure as a new field.

The new flow will be initiated from a new front-end screen. The file format for new flow is attached; "CR125 P222 New Flow Format v0.2.doc".

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		Volume		Deployment/ Backout	X

Other:

Testing Assumptions

- All test conditions are tested by the different data configurations, hence the relative large estimate for test data setup in the Test Specification.
- There will be no regression testing for this release as it is a completely new module. As the IVT is being updated, the updated test will be executed to ensure correctness.
- NHHDA Performance Test will be updated for the new process.
- NHHDA Performance Tests will be executed up to PN.5 plus the new performance test. 3 rounds will be executed plus a final round after functional testing is completed.
- These estimates include effort to write the Test Specification - which now takes the form of an Annex or new section to the Test Strategy in line with CVA rather than a separate document.
- No EAC/AA or SVAS Tests required.

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)									
IDD Part 1 (S'Sheet)									
IDD Part 2 (Docs)									
IDD Part 2 (S'Sheet)									
Logical Data Design								X	
Physical Design Technical Specification								X	
User Guide								X	
Training Material								X	
RTP	None								
Comms	None								
Other	None								
Documentation Details									
Details of the new NHHDA process will be added to the : <ul style="list-style-type: none"> • Logical Design • Physical Design • User guides • Training Courses. 									
Nature of Documentation Changes									
Full Document		Document Change Record					None		X
Deployment Issues, e.g. Outage Requirements:					None				
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 13 th October 2003.
Any Other Information
None
Attachments
CR125 P222 Labour Presentation v0.1.xls CR125 P222 New Flow Format v0.2.doc