

March 2002

**ASSESSMENT REPORT**  
**MODIFICATION PROPOSAL P50 –**  
**Distribution of BM Aggregation**  
**Report Data to Non-BSC Parties**

Prepared by the Volume Allocation Modification  
Group on behalf of the Balancing and Settlement  
Code Panel

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## I DOCUMENT CONTROL

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Version	Date	Reviewer	Responsibility
0.1	06.03.02	Volume Allocation Modification Group	Expert Group
1.0	07.03.02	Peter Davies	Modification Group Chairman

### b Distribution

Organisation
BSC Panel
BSC Parties
BSC Agents
The Authority
National Electricity Consumers Council
Core Industry Document Owners
BSC Website

### c Intellectual Property Rights and Copyright

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## **1 SUMMARY AND RECOMMENDATIONS**

See separate Executive Summary attachment.

## **2 INTRODUCTION**

This Report has been prepared by ELEXON Ltd., on behalf of the Balancing and Settlement Code Panel ('the Panel'), in accordance with the terms of the Balancing and Settlement Code ('BSC'). The BSC is the legal document containing the rules of the balancing mechanism and imbalance settlement process and related governance provisions. ELEXON is the company that performs the role and functions of the BSCCo, as defined in the BSC.

An electronic copy of this document can be found on the BSC website, at [www.elexon.co.uk](http://www.elexon.co.uk)

### **3 DESCRIPTION AND ASSESSMENT AGAINST THE APPLICABLE BSC OBJECTIVES**

The Applicable BSC Objectives, contained in Condition C3(3) of the Transmission Licence, are as follows:

- (a) the efficient discharge by the Licensee of the obligations imposed upon it by this licence;
- (b) the efficient, economic and co-ordinated operation by the Licensee of the Licensee's Transmission System;
- (c) promoting effective competition in the generation and supply of electricity, and (so far as consistent therewith) promoting such competition in the sale and purchase of electricity;
- (d) without prejudice to paragraph 10, promoting efficiency in the implementation and administration of the balancing and settlement arrangements described in paragraph 2.

#### **3.1 The Proposed Modification**

##### **3.1.1 Description of the Proposed Modification**

UK Coal Mining Ltd raised the Modification on November 8<sup>th</sup> 2001. The Modification seeks to make the data contained within the 'BM Aggregation Report' (i.e. CDCA-I042) available to non-BSC parties. The report provides information on the metered volumes associated with each CVA-registered BM Unit for each settlement period, and is sent to BSC Parties, ELEXON and the System Operator (SO).

##### **3.1.2 Rationale for the Proposed Modification**

The rationale provided by the Proposer for the Modification, was that it would further competition in the electricity market by increasing market transparency. Furthermore, the Proposer indicated that summary generation data was available to non-BSC parties under the Pool. In subsequent discussion, the Proposer informed the Group that his company's interest in receiving the BM Aggregation report was to monitor and analysis the electricity generation of coal-fired power stations so as to provide a better service to his company's clients.

The Group believed that the Modification ought to be judged on the basis of the benefits derived from the disclosure of data contained in the BM Aggregation Report.

##### **3.1.3 Evaluation Against Applicable BSC Objectives**

The Group judged that competition would be facilitated if non-BSC parties were able to provide better services to market participants and consumers on the basis of the data available in the BM Aggregation Report.

The Group believed that the Modification as submitted would not facilitate achievement of the Applicable BSC Objectives because, whilst rectifying the defect identified in the proposal, it would not provide sufficient market transparency to facilitate competition and could potentially compromise the competitive position of DCDSs. First, only generation data would be made available which would result in asymmetric disclosure of information because no demand side data would be available at the same

time. Therefore, the original proposal would only provide a partial picture of the market, which could damage competition rather than facilitate it. The availability of enhanced services from non-BSC parties to and for one side of the market. Second, the metered volumes associated with DCDCs would be made available at the BMU level. Therefore, their anonymity to non-BSC parties could not be assured, which might place them at a competitive disadvantage.

## 3.2 Alternative Modification

To rectify the defect identified by the Modification in a manner that would facilitate achievement of the Applicable BSC Objectives, the Group developed an Alternative Modification.

### 3.2.1 Description of and Rationale for the Alternative Modification

The concept behind the Alternative Modification is provision of sufficient and appropriate metered volume data to increase market transparency, whilst at the same time protecting the anonymity of individual DCDSs.

The Alternative Modification would make a new report, based on the SO's variant of the Settlement Report (i.e. SO142) because it contains metered volume data relating to the entire market, available to non-BSC Parties. The report would contain generation and demand data, including the period, day and runs to which it pertains, available and protect the anonymity of DCDSs data by aggregating their metered volumes to an anonymous level.

The new report would contain the following data:

- Generation metered volumes by BMU (including the relevant BM Unit ID)
- Demand metered volumes aggregated by supplier for each GSPG (including the relevant Supplier ID)
- DCDS metered volumes aggregated into a single figure
- The date, day, period and run-types to which the metered volumes pertain
- All other data items would be removed from the Settlement Report

The following business requirements for the Alternative Modification were established:

- **Frequency of Reporting:** Weekly in arrears (i.e. a weekly report issued the week following the batch of seven daily Settlement Reports it is based on)
- **Period of Availability:** Seven working days (i.e. each weekly report will be available for download by non-BSC parties for 7 working days)
- **Requirement for Historical Data:** None (i.e. the Modification is prospective)

### 3.2.2 Proposed Delivery Mechanism

As with the original proposal, four delivery mechanisms were assessed:

- ELEXON send CDCA-I042 to non-BSC parties on request;
- ELEXON make CDCA-I042 available to non-BSC parties on the ELEXON Website;
- CDCA make CDCA-I042 available to non-BSC parties via the Low Grade Service; and
- BMRA make CDCA-I042 available to non-BSC parties via the BMRS website.

ELEXON and the BSC Agent undertook impact assessments on the relevant delivery options. The two tables below summarise the comparative costs of the four options:

<b>BSC Agent Cost &amp; Development Time</b>	<b>Low Grade Service</b>	<b>BMRS Website</b>
Development time	8 weeks	9 weeks
Development Cost	£127,300	£147,800
Monthly Operational Cost	£1,485	£1,724

<b>ELEXON Costs &amp; Development Time</b>	<b>Email Delivery</b>	<b>Website Delivery</b>
Development Time	None	8.5 weeks
Development Cost	£2,500	£14,500
Consequential IT Investment	£50,000 to £75,000	£50,000 to £75,000
<b>Total Development Cost</b>	<b>£52,500 to £77,500</b>	<b>£64,500 to £89,500</b>
Annual Operational Cost	£18,000	£11,000

On the basis of the comparative costs, the Group decided to opt for the ELEXON website as the delivery mechanism for the new report to be made available under the Alternative Modification. First, being far more cost effective than the quotes from the BSC Agent any funding risk assumed by Parties would be minimised. Second, a significant part of the funding risk assumed by Parties would be for developments that would secure services already provided to Parties via the ELEXON website and provide a platform for the delivery of future services through the site.

### 3.2.3 Proposed Charging Mechanism

To fund the development and cover the operational costs of the dedicated area of the website the following charging mechanism was established by the Group:

- **Development Costs:** each non-BSC party receiving the service would pay a single annual fee of £7,500 in advance.
- **Operational Costs:** each non-BSC party receiving the service would pay a single annual fee of £2,500 in advance. Any shortfall between the amount of money received from non-BSC parties signing up for the service and the total operational cost would be met by BSC Parties.
- **Cost-Recovery Mechanism:** the 'Main Funding Share' would act as an implicit recovery mechanism for any under- or over-recovery of costs resulting from implementation of the Alternative Modification. Therefore, should not enough non-BSC parties sign up to cover the development/operational costs in full – BSC Parties will fund the remainder via the 'Main Funding Share'. Similarly, should the number of non-BSC parties signed up to the service be so great as to result in a surplus, the surplus would be netted-off the 'Main Funding Share'.
- **Rationale:** the proposed charging mechanism was established to minimise the risks assumed by BSC Parties whilst not providing a prohibitive financial hurdle to interested non-BSC parties. The Proposer has confirmed that the proposed costs are acceptable to his organisation.

### **3.2.4 Evaluation Against Applicable BSC Objectives**

The Group believes that the Alternative Modification would rectify the original defect, by making generation metered volumes available to non-BSC parties. Furthermore, by a majority of six to three<sup>1</sup> with one abstention, the Group believes that the Alternative Modification would facilitate achievement of the Applicable BSC Objective C3(3)(c) by facilitating competitive through increased market transparency. Availability of the proposed new report would provide a complete picture of the market to paying non-BSC parties, including visibility of supplier shares within GSPGs, and protect the anonymity of DCDSs. Those opposing the Alternative Modification did so on the grounds that Parties already received all data contained within the proposed new report.

In addition, the gain in transparency would not compromise either the discharge by the transmission licensee of its obligations, the efficient and economic operation by the licensee of the transmission system or the efficient implementation of the balancing and settlement arrangements.

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<sup>1</sup> Subsequent to the meeting at which this judgement was reached, one member revised their opinion and indicated to ELEXON that they believed that the Alternative Modification would not facilitate Achievement of the Applicable BSC Objectives.

## **4 IMPACT ON BSC AND BSCCO DOCUMENTATION**

### **4.1 BSC**

#### **4.1.1 Modification**

Table 5 ('CDCA Reporting') in Annex V-1 of the Code, would require changing to enable the BM Aggregation Report to be made available to non-BSC parties. Draft legal text is attached in **Annex 1** of this report.

The changes necessary to Section V to enable non-BSC parties to receive data contained in that section will be made to implement Modification Proposal P30 on March 27<sup>th</sup> 2002.

Section 6 of Annex D-3 already enables ELEXON, with Panel approval, to charge non-BSC parties for data.

#### **4.1.2 Alternative Modification**

An entry for the new report, including its contents and permitted distribution, would need to be included in Annex V-1 of the Code. Legal advice recommended including it under the table for CDCA reporting – given that its contents are most similar to reports from that agent (i.e. metered volume data). Although it would need to be indicated that ELEXON, and not CDCA, was making it available. Additionally, it would need to be stipulated that ELEXON, in making the data available to non-BSC parties, would be bound by the obligations incumbent upon a Party. Draft legal text is attached as part of **Annex 1** of this report.

The changes necessary to Section V to enable non-BSC parties to receive data contained in that section will be made to implement Modification Proposal P30 on March 27<sup>th</sup> 2002.

Section 6 of Annex D-3 already enables ELEXON, with Panel approval, to charge non-BSC parties for data.

### **4.2 Code Subsidiary Documents**

#### **4.2.1 Alternative Modification**

Implementation of the Alternative Modification would require an entry in the Reporting Catalogue for the proposed new report, including details of distribution and the data items contained within it, under the 'Reports from BSCCo' section.

## 5 IMPACT ON ELEXON

Implementation of the Alternative Modification would have the following impacts on ELEXON:

- **Invoicing:** ELEXON's Finance Department would be required to invoice non-BSC parties in receipt of the proposed new report on an annual basis
- **Website Development & Maintenance:** ELEXON's Communications Department would have to design, develop and maintain the website infrastructure to make the proposed new report available to non-BSC parties. In addition, the Department would have to provide such non-BSC parties with a password to gain access to the restricted area of the website in which the report would be contained.
- **Creation of Report:** ELEXON's Trading Department would have to create the proposed report on the basis of the Settlement Report (i.e. S0142) received from the SAA.
- **Licence for Data Access:** ELEXON's Commercial Services Department would have to develop a license for non-BSC party access to the report to prevent resale of the raw data.
- **Commercial Agreement:** ELEXON's Commercial Services Department would have to enter into and administer an agreement with non-BSC parties outlining the obligations of the licensee, legitimate use of the data and ownership of the Intellectual Property Rights (IPRs).

## **6 IMPACT ON PARTIES**

A single impact on Parties was identified, the charging mechanism for the Alternative Modification would expose Parties to the risk of under-recovery of development and operational costs.

## **7 LEGAL ISSUES**

One potential legal issue was identified during the Assessment Procedure – the release of data relating to third parties by BSC Parties. Under Section H4.6.4 of the Code, Parties would have to indemnify ELEXON for any costs incurred as a result of their disclosure, or their agreement to disclosure, of data relating to third parties without having received those parties' consent.

As a consequence of this potential legal issue, the Group decided that the Alternative Modification should render DCDSs data anonymous. However, because few, if any, LEGs are CVA-registered, the Group decided not to incur the extra time and cost, and consequent cost recovery risk, involved in aggregating their output to protect their anonymity. For LEGs registered in SVA, their anonymity would be protected because their metered volumes would be subsumed within supplier BMUs.

## 8 SUMMARY OF REPRESENTATIONS

During the Assessment Procedure, Parties were consulted on both the Modification and the Alternative Modification. In addition, the Group brought the consultation exercise on the Alternative Modification to the attention of DCDSs and LEGS, the latter by contacting the generation trade associations – the AEP, the CHPA and the RPA.

### 8.1 Modification Consultation Responses

A consultation questionnaire seeking Party opinion on whether or not the Modification would better facilitate achievement of the Applicable BSC Objectives and on potential legal issues was issued on January 10<sup>th</sup> 2002. The deadline for receipt of responses was January 24<sup>th</sup> 2002.

Nine responses, representing a total of 41 Parties, were received. The responses are attached as part of Annex 2 of this report and are summarised below.

The majority of respondents (7 responses representing 35 Parties) did not believe the Modification would better facilitate achievement of the Applicable BSC Objectives. The most common reason given for this position was that the linkage between the Modification and increased market transparency was tenuous at best. However, two respondents believed that, on balance, the Modification would increase market transparency.

Would Facilitate BSC Objectives	Would Not Facilitate BSC Objectives
2 (6)	7 (35)

NB: number of respondents (number of Parties)

The majority of respondents (8 responses representing 34 Parties) had no objections to disclosing the BM Aggregation Report to non-BSC parties under licence. One respondent (representing 7 Parties) made no comment. However, whilst the majority had no objection to disclosure, several respondents stated that their position was conditional on non-BSC parties being subject to the same licence agreements as Parties.

On the issue of the disclosure of data relating to DCDSs, the responses were split – 3 respondents (representing 21 Parties) had no objection, 4 respondents (representing 10 Parties) objected and 2 respondents (representing 10 Parties) made no comment. However, it should be noted that a slim majority of Parties had no objection to disclosing the information.

Similarly, the issue of disclosing data relating LEGs also drew a divided opinion – 4 respondents (representing 23 Parties) had no objection, 3 respondents (representing 8 Parties) and 2 respondents (representing 10 Parties) made no comment. However, once again, it should be noted that a slim majority of Parties had no objection to disclosing the information.

Issue	Objection	No Objection	No Comment
Principle of Disclosure	0	8 (34)	1 (7)
Disclosure of DC Data	4(10)	3 (21)	2 (10)
Disclosure of LEG Data	3 (8)	4(23)	2 (10)

NB: number of respondents (number of Parties)

Party opinion was also sought on the business requirements proposed by the Group, which are detailed in section 5 of this report.

None of the respondents objected to the proposed business requirements, but one made no comment. However, one respondent commented that depending on the implementation date of the Modification, should it be approved, there may be a requirement for historical data. Historical data could be required if the implementation data was after the final Settlement run (i.e. 'RF') for Go-live (i.e. March 27<sup>th</sup> 2001).

Finally, Party opinion was sought on the charging mechanism establish by the Group, which are detailed in section 5 of this report.

None of the respondents objected to the proposed charging mechanism, but one made no comment. Three respondents, representing 14 Parties, commented that recipients of the new service should be made to meet its full cost. However, two respondents queried the use of an estimate of demand for the report in the charging mechanism – one believed accurate estimation would be difficult and the other that the charging should be based on actual usage rather than an estimate.

On the basis of the consultation responses received in connection with the Modification, the Group concluded that an Alternative Modification that facilitated achievement of the Applicable BSC Objectives and rectified the legitimate defect identified by Proposer needed to be formulated. In addition, the Group decided that any consultation on such an Alternative Modification would need to canvass the opinion of DCDSs and LEGs

## 8.2 Alternative Modification Consultation Responses

A consultation questionnaire seeking Party, DCDS and LEG opinion on the Alternative Modification was issued on the February 19<sup>th</sup> 2002. The deadline for receipt of responses was March 4<sup>th</sup> 2002.

A total of 10 responses, representing 46 Parties and one DCDS, were received. The responses are attached as part of Annex 2 and are summarised in the table below:

Question	Yes	No	No Comment
Interested in receiving Option 1	1(2)	7(38)	2(5)
Prepared to Pay for Option 1	-	7(38)	3(7)
Interested in receiving Option 2	1(2)	7(38)	2(5)
Prepared to Pay for Option 2	-	7(38)	3(7)

NB: number of respondents (number of Parties)

The majority of respondents, 7 responses representing 38 Parties and 1 DCDS, indicated that they would not be interested in receiving either of the proposed report or paying to receive it.

The most common reason given (3 respondents representing 21 Parties) was that they already receive the data contained in the proposed report and hence would have no use for it. In addition, two respondents, representing 9 Parties, commented that the proposed report would not better facilitate achievement of the Applicable BSC Objectives.

The DCDS, Alcan Smelting and Power UK, was not interested in receiving the report because it deemed the proposed solution to be inadequate to meet the needs of non-BSC Parties, overly complex and probably very costly. Instead, Alcan Smelting recommends distributing the SO version of the Settlement Report to non-BSC parties, on request, via email for two reasons. First, the Settlement Report contains

the data useful to embedded generators (i.e. RCRC, Transmission Loss Multipliers and the imbalance volumes of the Party with whom they trade) and demand-side balancing service providers (i.e. BSAD). Second, compared to the distribution of an existing report via email, the creation of a bespoke report and delivery mechanism would involve greater complexity and cost.

One respondent, representing two Parties, indicated that they would be interested in receiving the proposed report because it would make summary generation information available again – as under the Pool. The respondent, however, was unable to place a figure on how much it would be willing to pay for the proposed report because the data was previously available free of charge.

Finally, two respondents, representing five Parties, did not comment explicitly on whether or not they would be interested in receiving the proposed report and prepared to pay for it. One respondent made no comment at all and the other simply commented that they welcomed the anonymity that the proposed report would provide for LEGs and DCDSs<sup>2</sup>.

On the basis of the consultation responses received, the Group decided that the Alternative Modification ought to use the most cost effective delivery option to minimise the under-recovery risk borne by Parties.

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<sup>2</sup> The report consulted on would have rendered CVA-registered LEG data anonymous. However, as discussed in section 11, the Group decided not to proposed aggregation of CVA-registered LEG data.

## 9 PROJECT BRIEF

The project brief is summarised in the tables below.

Task	Time required
Analysis of Requirement	2 days
Graphic Design of Section/Design of Functionality	6 weeks/4 weeks (NB: concurrent activities)
Review + Amendments	1 week
Testing + Installation	1 week
<b>Total Development Time</b>	<b>8.5 weeks</b>

Cost Item	Cost (£)
Creation of New Report	£2,500
Website Development	£12,000
Consequential IT Investment (see assumptions below)	£50,000 to £75,000
<b>Total Development Cost</b>	<b>£64,500 to £89,500</b>
Annual Report Operational Cost	£6,000
Annual Website Operational Cost (see assumptions below)	£5,000
<b>Total Annual Operational Cost</b>	<b>£11,000</b>

### Assumptions

- Consequential IT investments costs cited would have to be revised upwards should demand necessitate an intensive 24-7 operation of the relevant website section
- Annual website operational cost cited above would have to be revised upwards should demand for the new report be heavy
- Publication of data on the website will be as soon as reasonably practicable following the receipt of information.
- Data received on a non-business day or outside of normal office hours will be published on the website the next following business day.
- Alternative Modification implemented on the release date for BSC Systems which first occurs not less than 3 months after the date of the Authority's decision

## ANNEX 1 – PROPOSED TEXT TO MODIFY THE BSC

The changes to the legal text of the Code in the following sections are based on version 4.0 of Section V to the Code, which is to be implemented on April 1<sup>st</sup> 2002. This will incorporate approved Modifications P30 and P49 (as version 3.0 to be released on March 27 2002) and P22. If the baseline of the Code changes prior to implementation of the Proposed Alternative Modification, or if other Modification Proposals are to be implemented at the same time as the Proposed Alternative Modification, the legal text may need to be amended.

### Code Changes for Modification

Annex V-1, Table 5 shall be amended as indicated below:

Name of Report	Frequency	Recipient	General Description
Aggregated Data Report	For each Relevant Party and any Party (on request): Daily  For any person (on request) who is not a Party: Once a week (in weekly batches for each day of the preceding week)	Relevant Party  Any person (on request)	A report relating to the Registrant containing Metered Volumes for each BM Unit, Interconnector or GSP Group

**(NB: This legal text is prepared on the basis that Modification P.30 has already been made.)**

### Code Changes for Alternative Modification

Amend paragraph V3.2.7 to read as follows:

".... and providing (inter alia):

(a) for the payment .... ; and

(b) where the Panel so decides (having regard to whether Parties are bound by Section H4.2 in relation to such data), for obligations to BSCCo of confidentiality (equivalent to those binding on Parties pursuant to Section H4.2) on the part of such person in relation to such data.

Insert new paragraph 4.3.3 as follows:

4.3.3 The report entitled [External Aggregated Data Report] specified in Table 5 in Annex V-1 shall be not be provided by the CDCA but shall be made available by BSCCo, by such means (taking account of paragraph 3.2.7(b)) as the Panel shall decide.

Insert new row in Annex V-1 table 5 after 'Aggregated Data Report':

[External Aggregated Data Report] <i>Note: the report is provided by BSCCo – see Section V4.3.3</i>	Weekly	Any person on request	A report containing Metered Volumes for each Production BM Unit, aggregated Metered Volumes for all Consumption BM Units directly connected to the Transmission System, and aggregated Metered Volumes by Supplier and GSP Group for other Consumption BM Units.
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## **ANNEX 2 – BSC PARTY CONSULTATION RESPONSES**

See separate Consultation Responses attachment.

### ANNEX 3 – BSC AGENT IMPACT ASSESSMENTS

Detailed Level Impact Assessments were commissioned and received for the Modification and the Alternative Modification.

#### Modification DLIA

<u>NETA Change Form</u>	<b>MP/CP/TP No: P50</b>
	<b>Logica reference: ICR321</b>
<b>Title: Distribution of BM Aggregation Report Data to non-BSC Parties</b>	
<b>Identified by: Kathryn Coffin</b>	<b>Date received: 16/1/02</b>

<b>Statement of requirement</b>	
<b>Baseline affected:</b> None	
<b>Assumed changes over baseline:</b> NETA Service Definition Baseline (v1.0)	
<b>Description of Change:</b> To make the BM Unit Aggregation Report (CDCA-I042) data available to non-BSC parties on a weekly basis, in arrears.	
<b>Proposed solution:</b> It is proposed that a copy of the file is issued to the Low Grade FTP server in compressed form and with a suitably constructed name. Authorised users would then be able to collect the file via FTP either directly or through a Browser link from the BMRS. Access would be granted through a defined username and password issued per participant. This is the same mechanism that was proposed within CP712, which also requires the distribution of a large file to a user base on demand.	
<b>Justification for Change:</b> To promote effective competition in the generation and supply of electricity.	
<b>Proposed changes to Service Levels:</b> None	
<b>Proposed changes to the Agreement:</b> None	
<b>Attachments/references:</b> Requirements Specification to Support Modification P50 (MP50 DLIA) Version 1.0	

<b>To be completed by Logica</b>			
	High Level Impact Assessment	Detailed Level Impact Assessment	Quotation
Tick which stage is being completed:		✓	
Signed by Logica Contract Manager:			
Date:		31/01/2002	
HLIA category: Small/Medium/Large/Other		Price for DLIA:	
If this is a Quotation, are consequential modifications needed to the DLIA?			n/a.

<b>Logica's proposal</b>
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<b>Logica's understanding of the requirement:</b>
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The modification proposal allows for the CDCA I042 report to be placed into a directory on the FTP low grade server.
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**Logica's proposed design solution:**

To implement this functionality, a new scanner would be constructed. The current output scanner can be configured to send a NETA report (such as that required in CP712 and P50) to a directory on the FTP server, though the target resultant file would bear the same name as the original file. This would result in requestors having to search through each file for the one corresponding to the date required to find the correct file.

It would be better for the deposited files to have a filename constructed from the date to which the file related, the file type and potentially settlement / aggregation run ID. This would make finding a specific file much easier. In addition to this functionality, it would be advantageous to compress the files using standard compression tools. This not only saves disk space on the low grade server, but also means that when retrieving the required files, the file is smaller when transferred over the internet and thus download time is quicker. These two requirements form the basis for construction of the new scanner which forms the bulk of the development effort for P50 and CP 712.

Although P50 and CP 712 require this same scanner their functionality differ in one important aspect, namely that P50 requests access be given to non-BSC Parties (who are authorised to retrieve the file), while CP712 was for access to be granted to BSC Parties. It will be necessary for additional amendments be incorporated to the low grade BMRS as part of this change. The BMRS forms the data source for public data. It is thus logical that access to the CDCA flow (in P50) be linked to the BMRS in some way.

It is proposed that an existing (appropriate) BMRS page be amended with a hyper link that could be followed towards the low grade FTP server. On selecting this link, a login page would be presented. If the accessor has a valid username and password, these may be entered, whereupon the browser is redirected to the FTP directory and the browser's protocol changed to FTP rather than HTTP. In this way, the browser simply presents a list of files (or icons) that can be downloaded.

If the user does not have a valid username and password, then the login page would contain a hyper link / e-mail link to ELEXON so that they can register (and then ultimately pay - should that be ELEXON's desire) for access to the file service.

Once ELEXON receive and process the application for access, a username and password would be issued by Logica to grant access.

This mechanism for access has three advantages:

1. It links the BMRS (public) data to the file, thus making access intuitive.
2. It enables ELEXON to track (and charge if appropriate) access in a simple manner.
3. It extends the functionality of the BMRS at a low cost.

Implementation of P50 thus requires the following processes:

1. A new bespoke scanner to compress, rename and send the file to a directory on the FTP server.
2. An amendment to an existing BMRS page.
3. A new BMRS log in access page.
4. A process within ELEXON for receiving requests for access to the FTP area.
5. A process within Logica for setting up and maintaining FTP user accounts for individual applicants against the FTP directory.

Whereas the cost for elements 1 - 3 is incorporated within this DLIA, the cost for element 5 would be an ongoing cost, estimated at 1/2 man day / applicant per year (to cover setting up and regular changes to passwords on the FTP account).

<b>Consequential changes to Project Deliverables:</b>		
BMRA, CDCA, COMMS		
<b>Consequential impact on BSC Service Users or Other Service Providers:</b>		
<b>Testing strategy:</b>		
Testing will only be performed on our own system with external interfaces being simulated as necessary. No allowance has been made for testing with external systems.		
<b>Management plan for developing the Change:</b>		
The proposed solution provides the C0421 flow on the public low grade FTP server on a daily basis. The file will be issued once from NETA to a dummy' participant, whereupon it will be compressed using standard Unix compression tools and renamed (based upon the date to which it relates). The file will subsequently be transferred to the low grade server into a directory that may be accessed by all participants. In this manner, only one copy of the file is ever generated per day, and participants may receive it on demand by downloading it.		
<b>Project plan for developing the Change:</b>		
Duration: 6 weeks		
<b>Method of deployment:</b>		
Patch	Is a planned outage required? No	
<b>Price for Design and Build:</b>		
<b>Item description:</b>	<b>Price</b>	<b>Type of price:</b>
For the proposed solution that provides both Option A (CDCA make CDCA-I042 available via Low Grade Service) and Option B (BMRA make CDCA-I042 available via BMRS Website)	£86,000	Fixed
<b>Price for Operate and Maintain:</b>		
<b>Item description:</b>	<b>Price</b>	<b>Type of price:</b>
Operate	£0	Fixed
Maintain	£1003	Fixed

If this is a DLIA or Quotation, is a price breakdown in the agreed format attached? Yes	
<b>Terms attaching to the offer</b>	
<ol style="list-style-type: none"> <li>Price does not include includes provision for indexation of daily fee rates with effect from 1st April 2002,</li> <li>No allowance has been made for ELEXON witness testing</li> <li>There will be no change to existing Service Levels</li> <li>The Maintain charge has been estimated as a proportion of the price</li> <li>At least one BMRS page would be modified to provide a link from the service to the data access area.</li> </ol>	
Validity period of offer: 30 days	Type of offer: Firm
Assumed start date: 4th March 2002	
<b>Payment milestones:</b> Logica will invoice in full for this change on deployment, or within one month of the change being read for deployment	
<b>Document turnaround time:</b> 5 days	
<b>Impact on Service Levels:</b> None	
<b>Impact on performance of the System:</b> None	
<b>Other terms:</b>	
If this is a Quotation, is a draft contract amendment attached? n/a	
<b>Responsibilities of ELEXON:</b>	
<b>Assumptions made by Logica:</b>	
<ol style="list-style-type: none"> <li>Price does not include provision for indexation of daily rates with effect from 1<sup>st</sup> April 2002.</li> <li>The Service Description for BMRA and CDCA will have been updated by ELEXON and agreed with Logica prior to commencement of work.</li> <li>For all formal documentation which is subject to review, Logica shall provide one draft issue and a maximum of 5 working days has been allowed for ELEXON to review and comment on the updates. No allowance is included for addressing comments from ELEXON and only one iteration of all reviewed documents has been included in the price.</li> <li>Within reasonable levels, ELEXON will make available appropriate staff to assist Logica during the development of this change.</li> </ol>	
<b>Options and alternatives:</b>	
<ol style="list-style-type: none"> <li>If this proposal is accepted a considerable cost saving could be made in the implementation of CP712. In essence, the bespoke development costs would be shared, adding only additional maintenance and operating costs.</li> <li>The assessment is independent of the BMRS Additional reporting / data warehouse proposal. If this was accepted, this would provide all necessary functionality for this Modification Proposal.</li> </ol>	

## Alternative Modification DLIA

<u>NETA Change Form</u>	<b>MP/<del>CP/TP</del> No: P50</b>
	<b>Logica reference: ICR321</b>
<b>Title: Distribution of BM Aggregation Report Data to non-BSC Parties</b>	
<b>Identified by: Claire Power (ELEXON)</b>	<b>Date received: 20/2/02</b>

<b>Statement of requirement</b>	
<b>Baseline affected:</b>	None
<b>Assumed changes over baseline:</b>	NETA Service Definition Baseline (v1.0)
<b>Description of Change:</b>	To make available BM Aggregation Report Data to non-BSC parties, (or the data behind it).
<b>Proposed solution:</b>	<p>The change is very similar to the original assessment MP 50 as well as CP721. Both require the distribution of a large file to a user base on demand. Consequently, the same mechanism as proposed within the previous assessments is proposed for the distribution to the public.</p> <p>The Alternative P50 proposal assessed within, though covering the same basic availability requirements seeks to publish an amended version of the S0142 report such that the anonymity of individual demand sites (DCDS's) and CVA-registered LEGS is protected. In order to conduct this, it is necessary to remove some of the detail of the S0142 record data, and replacing this by totalised data.</p>
<b>Justification for Change:</b>	To promote effective competition in the generation and supply of electricity.
<b>Proposed changes to Service Levels:</b>	None
<b>Proposed changes to the Agreement:</b>	None
<b>Attachments/references:</b>	Requirements Specification to Support Modification P50 (MP50 DLIA2, Version 1.0)

<b>To be completed by Logica</b>			
	High Level Impact Assessment	Detailed Level Impact Assessment	Quotation
Tick which stage is being completed:		✓	
Signed by Logica Contract Manager:			
Date:		4/03/2002	
HLIA category: Small/Medium/Large/Other	Price for DLIA:		
If this is a Quotation, are consequential modifications needed to the DLIA?			n/a.

<b>Logica's proposal</b>
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<b>Logica's understanding of the requirement:</b>
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The modification proposal allows for a variant of the SAA I014 report to be placed into a directory on the FTP low grade server, or accessed through the BMRS.
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**Logica's proposed design solution:**

The original Modification proposal P50 was assessed by Logica in early February. At that time the proposal concerned simply making the existing S0142 report available on demand through either the BMRS or the public Logica FTP low grade server.

The Alternative P50 proposal assessed within, though covering the same basic availability requirements seeks to publish an amended version of the S0142 report such that the anonymity of individual demand sites (DCDS's) and CVA-registered LEGS is protected. In order to conduct this, it is necessary to remove some of the detail of the S0142 record data, and replacing this by totalised data.

The proposal thus differs from the original Modification Proposal in that a variant of the S0142 report would be made available, rather than the raw data. As such, the proposal uses the original assessment (for the assessment of effort for the distribution of the report) but contains additional effort required to construct the new report.

The proposal set forward two variants in report structure, "Reporting Option 1" and "Reporting Option 2". Whilst introducing different summary information into the new variant, there is little difference from the point of view of manpower and effort required to construct, test and patch the new report. Thus two prices are presented:

1. For the construction of either Option 1 or 2, and distribution via the low grade FTP server.
2. For the construction of either Option 1 or 2, and distribution via the BMRS and FTP server.

As such, the difference in cost between the two options is driven by the two distribution mechanisms, a discussion on which is contained within the previous P50 assessment.

**Consequential changes to Project Deliverables:**

BMRA, CDCA, SAA

**Consequential impact on BSC Service Users or Other Service Providers:**

**Testing strategy:**

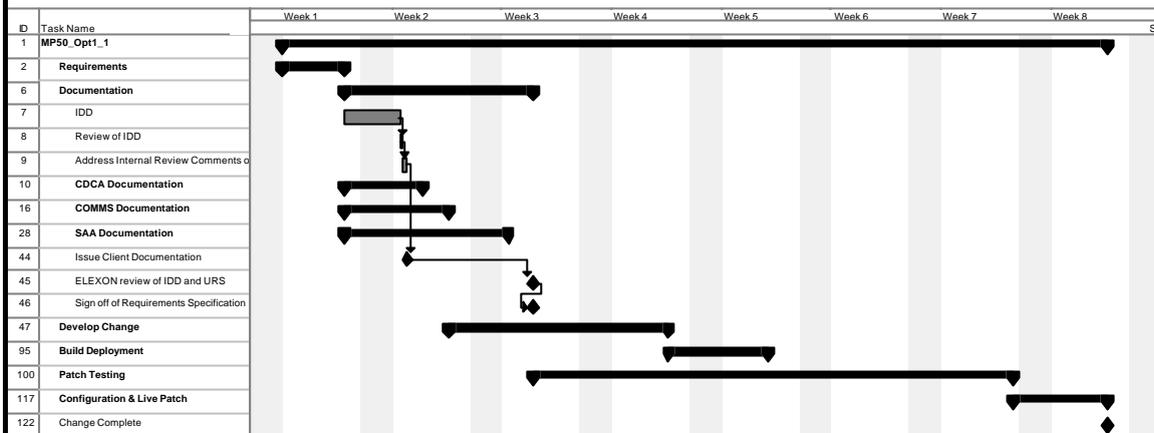
Testing will only be performed on our own system with external interfaces being simulated as necessary. No allowance has been made for testing with external systems.

**Management plan for developing the Change:**

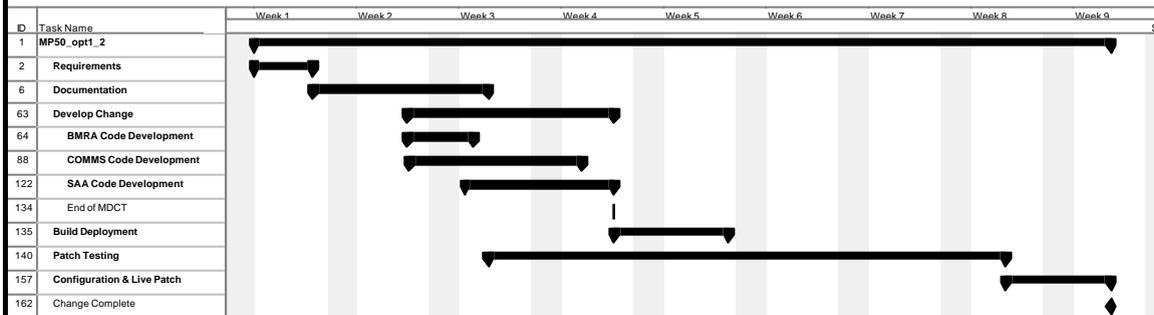
See Below

**Project plan for developing the Change:**

**Distribution via the low grade FTP server (duration 8 weeks)**



**Distribution via the BMRS and FTP server (duration 9 weeks)**



**Method of deployment:**

Patch	Is a planned outage required?  No
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**Price for Design and Build:**

Item description:	Price	Type of price:
Construction of either Reporting Option 1 or 2 and distribution via the low grade FTP server	£127,300	Fixed
Construction of either Reporting Option 1 or 2 and distribution via the BMRS and FTP server	£147,800	Fixed

**Price for Operate and Maintain:**

Item description:	Price	Type of price:
Operate	£0	Fixed

Maintain		
Construction of either Reporting Option 1 or 2 and distribution via the low grade FTP server	£1,485	Fixed
Construction of either Reporting Option 1 or 2 and distribution via the BMRS and FTP server	£1,724	Fixed
If this is a DLIA or Quotation, is a price breakdown in the agreed format attached? Yes		
<b>Terms attaching to the offer</b>		
<p>6. No allowance has been made for ELEXON witness testing</p> <p>7. There will be no change to existing Service Levels</p> <p>8. The Maintain charge has been estimated as a proportion of the price</p> <p>9. At least one BMRS page would be modified to provide a link from the service to the data access area.</p>		
<b>Validity period of offer:</b> 30 days	<b>Type of offer:</b> Firm	
<b>Assumed start date:</b> 1 <sup>st</sup> April 2002		
<b>Payment milestones:</b>		
Logica will invoice in full for this change on deployment, or within one month of the change being read for deployment		
<b>Document turnaround time:</b>		
5 days		
<b>Impact on Service Levels:</b>		
None		
<b>Impact on performance of the System:</b>		
None		
<b>Other terms:</b>		
If this is a Quotation, is a draft contract amendment attached? n/a		
<b>Responsibilities of ELEXON:</b>		
<b>Assumptions made by Logica:</b>		
<p>5. Price includes a 5% increase in the currently agreed daily rates.</p> <p>6. The Service Description for BMRA and SAA will have been updated by ELEXON and agreed with Logica prior to commencement of work.</p> <p>7. For all formal documentation which is subject to review, Logica shall provide one draft issue and a maximum of 5 working days has been allowed for ELEXON to review and comment on the updates. No allowance is included for addressing comments from ELEXON and only one iteration of all reviewed documents has been included in the price.</p> <p>8. Within reasonable levels, ELEXON will make available appropriate staff to assist Logica during the development of this change.</p>		

**Options and alternatives:**

It should be noted that the cost difference between this assessment and the previous one is wholly reflected in the additional effort for the bespoke development of the new report. It should also be noted that data processing of this kind (reformatting of an existing report for onwards distribution) is a classic example of the usefulness of data warehousing. Logica have presented ELEXON with a discussion proposal for a data warehouse for public distribution of NETA data, which would allow for the satisfaction of this modification proposal.

## ANNEX 4 – VOLUME ALLOCATION MODIFICATION GROUP MEMBERSHIP

This Assessment Report has been prepared by the Volume Allocation Modification Group, of which the membership was as follows:

MEMBER	ORGANISATION (ROLE)
Peter Davies	ELEXON (Chairman)
Roger Salomone	ELEXON (Lead Analyst)
Chris McGlen	UK Coal Mining (Proposer)
David Edward	Ofgem (Authority Representative)
Katherine Bergin	Scottish & Southern Electricity (Expert)
Richard Harrison	Npower (Expert)
Chris Pooley	Campbell Carr (Expert)
Neil Magill	Scottish Power (Expert)
Rob Cullender	British Gas Trading (Expert)
Philip Russell	TXU (Expert)
Andrew Neves	East Midlands Electricity Distribution (Expert)
Paul Jones	Powergen
Bob Brown	Cornwall Consulting (Expert)

## ANNEX 5 – MODIFICATION PROPOSAL

<b>Modification Proposal</b>
<p><b>Title of Modification Proposal</b> <i>(mandatory by proposer):</i> Distribution Of BM Aggregation Report Data To Non BSC Parties</p>
<p><b>Submission Date</b> <i>(mandatory by proposer):</i> 08 November 2001</p>
<p><b>Description of Proposed Modification</b> <i>(mandatory by proposer):</i> To make available BM Aggregation Report Data to non BSC parties, (or the data behind it). This proposal formed part of Modification P30 but was dropped because of the cost estimates.</p>
<p><b>Description of Issue or Defect that Modification Proposal Seeks to Address</b> <i>(mandatory by proposer):</i> Lack of transparency since the introduction of NETA. This information was available under the Pool trading arrangements</p>
<p><b>Impact on Code</b> <i>(optional by proposer):</i></p>
<p><b>Impact on Core Industry Documents</b> <i>(optional by proposer):</i></p>
<p><b>Impact on BSC Systems and Other Relevant Systems and Processes Used by Parties</b> <i>(optional by proposer):</i></p>
<p><b>Impact on other Configurable Items</b> <i>(optional by proposer):</i></p>

## Modification Proposal

**Justification for Proposed Modification with Reference to Applicable BSC Objectives** (*mandatory by proposer*):

Promoting effective competition in the generation and supply of electricity, and (so far as consistent therewith) promoting such competition in the sale and purchase of electricity.

**Details of Proposer:**

**Name:** Chris McGlen

**Organisation:** UK Coal Mining Limited

**Telephone Number:** 01302 755104

**Email Address:** cmcglen@ukcoal.com

**Details of Proposer's Representative:**

**Name:** Chris McGlen

**Organisation:** UK Coal Mining Limited

**Telephone Number:** 01302 755104

**Email Address:** cmcglen@ukcoal.com

**Details of Representative's Alternate:**

**Name:**

**Organisation:**

**Telephone Number:**

**Email Address:**

**If Yes, Title and No. of Pages of Each Attachment:**