

October 2001

ASSESSMENT REPORT
MODIFICATION PROPOSAL P030 –
Provision of BSC data to BSC and
non-BSC parties

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

Document Reference	019AMU
Version no.	1.0
Issue	Final
Date of Issue	12/10/01
Reason for Issue	For review
Author	ELEXON

I DOCUMENT CONTROL

a Authorities

Version	Date	Author	Signature	Change Reference
0.1	01/10/01	Nigel Williams		

Version	Date	Reviewer	Signature	Responsibility
0.1	09/10/01	Colin Berry		
0.1	09/10/01	Modification Group		
0.2	10/10/01	Alex Grieve		
0.3	11/10/01	John Williamson		
0.3	11/10/01	Richard Grimsey		
0.3	11/10/01	Modification group		
0.4	11/10/01	Mandi Francis		
0.5	11/10/01	Justin Andrews		
0.6	12/10/01			

b Distribution

Name	Organisation
BSC Panel	

c References

Reference	Document
Reference 1	Modification Proposal P030
Reference 2	Initial Assessment of Modification Proposal P030
Reference 3	P030 Requirements Specification
Reference 4	Definition Report for P30

d Intellectual Property Rights and Copyright

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II CONTENTS TABLE

I	Document Control.....	2
a	Authorities	2
b	Distribution	2
c	References	2
d	Intellectual Property Rights and Copyright.....	2
II	Contents Table	3
1	Summary and Recommendations	5
2	Introduction.....	6
2.1	Glossary of Terms.....	6
3	Purpose and Scope of the Report	7
4	Modification Group Details	10
4.1	Modification Group Views	10
5	Description and Assessment Against the Applicable BSC Objectives	12
5.1	Requirement Specification	12
5.1.1	Line Loss Factor Information	12
5.1.2	MDD Data	13
5.1.3	Profile Co-efficient Data.....	14
5.1.4	BM Unit Aggregation Report (CDCA-I042).....	14
5.1.5	Summary of Data Requirements	15
5.1.6	Proposed Changes to Distribution	16
5.2	Potential Changes to External Systems.....	16
5.3	Potential Changes to Central Services	16
6	Potential Changes to Industry Documentation	17
6.1	Balancing and Settlement Code	17
6.2	Balancing and Settlement Code Subsidiary Documents - The Reporting Catalogue.....	17
6.2.1	Service Description for CDCA	17
6.3	NETA Data File Catalogue	17
7	Interim Solutions	18
8	Alternative Modification	19
9	Impact on BSC Systems.....	22
9.1	Registration.....	21
9.2	Contract Notification	21
9.3	Credit Checking Systems	21
9.4	Balancing Mechanism Activities.....	21
9.5	Collection and Aggregation of Metered Data	21
9.6	Supplier Volume Allocation	21
9.7	Settlement	21
9.8	Clearing, Invoicing and Payment.....	21
9.9	Reporting.....	21
10	Summary of Impact Assessments	22
10.1	BSCCo Summary.....	22
10.2	CDCA Impact.....	22
10.3	MDDA/SVAA Summary	23
11	Data Distribution	23
11.1	Mechanism for Non-BSC parties to request BSC Data	24

11.2	Cost Recovery	24
12	Impact on Core Industry Documents and Supporting Arrangements	26
12.1	Grid Code.....	26
12.2	Master Connection and Use of System Agreement (MCUSA)	26
12.3	Supplemental Agreements.....	26
12.4	Ancillary Services Agreements (ASAs)	26
12.5	Master Registration Agreement (MRA)	26
12.6	Data Transfer Services Agreement (DTSA)	26
12.7	British Grid Systems Agreement (BGSA)	26
12.8	Use of Interconnector Agreement	26
12.9	Pooling and Settlement Agreement (PSA).....	26
12.10	Settlement Agreement for Scotland (SAS)	26
12.11	Distribution Codes	26
12.12	Distribution Use of System Agreements (DUoSAs).....	26
12.13	Distribution Connection Agreements	27
13	Impact on ELEXON.....	28
14	Impact on Parties and Party Agents.....	29
14.1	Parties	29
13.2	Party Agents	29
15	Legal Implementation Requirements	30
16	Project Brief - Executive Summary.....	31
16	Annex - Representations Received.....	32

1 SUMMARY AND RECOMMENDATIONS

See the associated document '31_009a' for the Summary and Recommendations.

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

2.1 Glossary of Terms

The following acronyms have been used throughout the report:

BSC	Balancing and Settlement Code
CDCA	Central Data Collection Agent
CVA	Central Volume Allocation
DPP	Daily Profile Production
DTC	Data Transfer Catalogue
DTN	Data Transfer Network
HGS	High Grade Service
LGS	Low Grade Service
LLF	Line Loss Factors
MDD	Market Domain Data
MDDA	Market Domain Data Agent
SVA	Supplier Volume Allocation
SVAA	Supplier Volume Allocation Agent

3 PURPOSE AND SCOPE OF THE REPORT

BSC Section F sets out the procedures for progressing proposals to amend the BSC (known as 'Modification Proposals'). These include procedures for proposing, consulting on, developing, evaluating and reporting to the Authority on potential modifications.

The BSC Panel is charged with supervising and implementing the modification procedures. ELEXON provides the secretariat and other advice, support and resource required by the Panel for this purpose. In addition, if a modification to the Code is approved or directed by the Authority, ELEXON is responsible for overseeing the implementation of that amendment (including any consequential changes to systems, procedures and documentation).

The Panel may decide to submit a Modification Proposal to an 'Assessment Procedure'¹. Under this procedure, a Modification Group is tasked with undertaking a detailed assessment of the proposal to evaluate whether it better facilitates achievement of the Applicable BSC Objectives². The group may also develop an alternative proposal if it believes that the alternative would better facilitate achievement of the objectives.

The Modification Group must prepare a report for the Panel, setting out the results of the assessment of the modification proposal and any alternative. The following matter should be included (to the extent applicable to the proposal in question)³:

- (a) an analysis of and the views and rationale of the Modification Group as to whether (and, if so, to what extent) the Proposed Modification would better facilitate achievement of the Applicable BSC Objective(s);
- (b) a description and analysis of any Alternative Modification developed by the Modification Group which, as compared with the Proposed Modification, would better facilitate achievement of the Applicable BSC Objective(s) and the views and rationale of the Group in respect thereof;
- (c) an assessment or estimate (as the case may be) of:
 - (i) the impact of the Proposed Modification and any Alternative Modification on BSC Systems;
 - (ii) any changes and/or developments which would be required to BSC Systems in order to give effect to the Proposed Modification and any Alternative Modification;
 - (iii) the total development and capital costs of making the changes and/or delivering the developments referred to in paragraph (ii);
 - (iv) the time period required for the design, build and delivery of the changes and/or developments referred to in paragraph (ii);
 - (v) the increase or decrease in the payments due under the BSC Agent Contracts in consequence of the Proposed Modification and any Alternative Modification;
 - (vi) the additional payments (if different from those referred to in paragraph (v)) due in connection with the operation and maintenance of the changes and/or developments to BSC Systems as a result of the Proposed Modification and any Alternative Modification;

¹ See BSC F2.6

² As defined in the Transmission Licence

³ See BSC F2.6.4 and Annex F-1

- (vii) any other costs or liabilities associated with BSC Systems attributable to the Proposed Modification and any Alternative Modification;
- (d) an assessment of:
 - (i) the impact of the Proposed Modification and any Alternative Modification on the Core Industry Documents;
 - (ii) the changes which would be required to the Core Industry Documents in order to give effect to the Proposed Modification and any Alternative Modification;
 - (iii) the mechanism and likely timescale for the making of the changes referred to in paragraph (ii);
 - (iv) the changes and/or developments which would be required to central computer systems and processes used in connection with the operation of arrangements established under the Core Industry Documents;
 - (v) the mechanism and likely timescale for the making of the changes referred to in paragraph (iv);
 - (vi) an estimate of the costs associated with making and delivering the changes referred to in paragraphs (ii) and (iv),together with a summary of representations in relation to such matters;
- (e) an assessment of:
 - (i) the likely increase or decrease in BSC Costs (to the extent not already taken into account in paragraph (c) above) in consequence of the Proposed Modification and any Alternative Modification;
 - (ii) the changes required to Systems and processes of BSCCo in order to give effect to the Proposed Modification and any Alternative Modification; and
 - (iii) the BSC Costs which are expected to be attributable to the implementation of the Proposed Modification and any Alternative Modification, to the extent not taken into account under any other provision above;
- (f) to the extent such information is available to the Modification Group, an assessment of the impact of the Proposed Modification and any Alternative Modification on Parties in general (or classes of Parties in general) and Party Agents in general, including the changes which are likely to be required to their internal systems and processes and an estimate of the development, capital and operating costs associated with implementing the changes to the Code and to Core Industry Documents;
- (g) an assessment of the Proposed Modification and any Alternative Modification in the context of the statutory, regulatory and contractual framework within which the Code sits (taking account of relevant utilities, competition and financial services legislation);
- (h) a summary of the representations made by Parties and interested third parties during the consultation undertaken in respect of the Proposed Modification and any Alternative Modification and the views and comments of the Modification Group in respect thereof;
- (i) a summary of the analysis and impact assessment prepared by the Transmission Company and the views and comments of the Modification Group in respect thereof;

- (j) a summary of the impact assessment prepared by relevant BSC Agents and the views and comments of the Modification Group in respect thereof;
- (k) a summary of any impact assessment prepared by Core Industry Document Owners and the views and comments of the Modification Group in respect thereof;
- (l) a copy of the terms of reference and any report or analysis of external consultants or advisers engaged in respect thereof;
- (m) a list of the key assumptions which the Modification Group has made in formulating its views;
- (n) any other matters required by the terms of reference of such Modification Group;
- (o) any other matters which the Modification Group consider should properly be brought to the attention of the Panel to assist the Panel in forming a view as to whether the Proposed Modification and any Alternative Modification would better facilitate achievement of the Applicable BSC Objective(s);
- (p) subject to paragraph 2.6.8 and 2.6.9 of Section F of the BSC, the proposed text to modify the Code in order to give effect to the Proposed Modification and any Alternative Modification, together with a commentary setting out the nature and effect of such text and of other areas of the Code which would be affected by the changes;
- (q) the Modification Group's proposed Implementation Date(s) for implementation (subject to the consent of the Authority) of the Proposed Modification and any Alternative Modification;
- (r) an executive summary of the project brief prepared by BSCCo;
- (s) a recommendation (where applicable) as to whether, if the Proposed Modification or Alternative Modification is approved, Settlement Runs and Volume Allocation Runs carried out after the Implementation Date of such Approved Modification in respect of Settlement Days prior to that date should be carried out taking account of such Approved Modification or not;
- (t) the proposed text (if any) to modify the Memorandum and Articles of Association of BSCCo and/or the BSC Clearer in order to give effect to the Proposed Modification and any Alternative Modification, together with a commentary setting out the nature and effect of such text and of other areas of the Memorandum and Articles of Association and/or the Code which would be affected by the changes; and
- (u) a summary of any changes which would be required to Code Subsidiary Documents as a consequence of such Proposed Modification or Alternative Modification.

This Assessment Report therefore addresses all of the above items to the extent relevant to the Modification Proposal in question.

4 MODIFICATION GROUP DETAILS

This Assessment Report has been prepared by the Modification Group. The Membership of the Modification Group is as follows:

Member	Organisation
Justin Andrews	Chairman (ELEXON)
Nigel Williams	Analyst (ELEXON)
Steve Lloyd	Utiyx (proposer's representative)
Chris McGlen	UK Coal
Jan Devito	St Clements Services (SVG Panel Sponsor)
Bob Brown	St Clements Services
Rob Cullender	British Gas Trading
Paul Jones	Powergen
Neil Magill	Scottish Power
Andrew Neves	East Midlands Electricity – Distribution System Operator Appointee
Phillip Russell	TXU Energy Trading
Richard Harrison	Npower Ltd

4.1 Modification Group Views

The Modification Group has discussed and considered the cost, timescales and impact of distributing LLF, MDD, Profile Co-efficient data and the BM Unit Aggregation Report.

The Modification Group agreed the timescales, impact, costs and method of recouping costs were acceptable for the distribution of:

- Line Loss Factor data
- MDD
- Profile Co-efficient Data

The Modification Group agreed the principle that non-BSC parties pay for the provision of such information. The agreed approach to recouping the costs are described in section 11.2.

However, the Modification Group expressed concerns on the distribution of the BM Unit Aggregation Report over high development, implementation costs and extended timescales (it would delay implementation until the 25th September 2002). There was concern with the cost recovery mechanism being split over four years.

The Panel should note that the Modification Group asked ELEXON to validate costs with the NETA Central Service Provider (this has been completed, see details in section 5.1.4). They also requested

that ELEXON consider alternative implementation options to distribute the data contained in the BM Unit Aggregation report.

There has been insufficient time to consider fully further options prior to the Panel deadline, but the Modification Group noted a possible extension to the Assessment Procedure of one month that would enable the full investigation of other options. However the majority of the Modification Group were not supportive of this approach as it delayed the implementation of other aspects of the Modification.

The consensus Modification Group view was that an Alternative Modification should be raised and presented to the Panel. This Alternative Modification would exclude the BM Unit Aggregation Report.

5 DESCRIPTION AND ASSESSMENT AGAINST THE APPLICABLE BSC OBJECTIVES

As part of the assessment of the Modification Proposal and the Alternative Modification Proposal the Modification Group reviewed the objectives of the Modification Proposal against the Applicable BSC Objectives, as defined in the Transmission Licence Condition 7A, paragraph (3).

The Modification group agreed that the Modification Proposal would better meet the Applicable BSC Objectives, as the Modification better achieves the Transmission Licence Condition 7A 3(c) 'promoting effective competition in the generation and supply of electricity and (so far as is consistent therewith) promoting such competition in the sale and purchase of electricity', by increasing market transparency. All companies (whether Acceded or not) will be able to request and receive data relevant to their needs.

The majority of the Modification Group felt that the Alternative Modification Proposal would also better meet Transmission Licence Condition 7A 3(d) due to concerns of associated costs.

5.1 Requirement Specification

The Modification Group prepared P030 Requirement Specification (Reference 3) which was distributed to the BSC Agents for Impact Analysis. The Impact Assessments were reviewed by the Modification Group on the 9th October 2001.

The table in section 5.1.5 details the work required for the sections below. The table in section 5.1.6 identifies the difference between the existing data distribution and the increased data distribution if the Proposal is implemented.

5.1.1 Line Loss Factor Information

SVA LLF data is normally renewed on a yearly basis. The data is received from individual Distribution Businesses and validated by ELEXON. As a consequence, ELEXON has this information stored internally. The proposed method of making this data available is for it to be published on the ELEXON website.

Only SVA LLF data will be published on the website. LLF data for embedded BM Unit Metering Systems registered within Central Volume Allocation (CVA – CRA and CDCA) will not be displayed.

The Definition Report originally envisaged that only a summary LLF data would be made available on the ELEXON website. However, the Panel recommended that the inclusion of a complete set of LLF data (as currently distributed in file D0265) would negate the need for each individual Distribution Business to send out LLF information to each supplier across the DTN. If the Modification Proposal or Alternative Modification is approved then a change proposal could be raised to remove the obligation for Distribution Businesses to send the D0265 dataflow to each Supplier.

Suppliers would need to examine the potential impact on their systems of downloading this data via the Internet rather than across the DTN in file D0265.

If it is determined that summary data is chosen there will be a requirement for all Distribution Businesses to ensure that they send data in the requisite format to ELEXON.

Three potential data sets would suit the Modification Proposal's requirement were considered by the Modification Group. ELEXON analysed each of the options (see Annex 2). The three options considered were:

- 1) Full LLF Data (D0265 file);
- 2) Summarised LLF data (csv format); and
- 3) Summarised LLF data and Full LLF Data

The potential benefit of each option was considered. It was recommended that due to the relatively low implementation cost and the potential benefit of increased market transparency that both data sets (ie option 3) would be displayed on the ELEXON website.

Publication Requirements

This data has to be live from the 1st April on an annual basis although files are sent to ELEXON at various stages within the preceding months. Each data set will cover the period of 1st April through to the 31st March of the following year.

If the Modification Proposal is approved, then ELEXON will be required to receive and publish the validated data on the ELEXON website.

File D0265 will need to be compressed prior to display on the website. Typical file sizes for each data set will be:

- D0265 (after compression) = 500 Kb
- Summarised Data = 55 Kb

The LLF data received from individual Distribution Businesses will need to be displayed with a label specifying which Distribution Business it relates to, the relevant GSP Group referred to in the file, a version number and relevant date period (01/04/yy – 31/03/yy).

LLF data sometimes changes during the year (i.e. due to new LLF classes being created, or a site specific change). In this case, a new D0265 and summary data file would be sent by the Distribution Business to ELEXON validated, agreed for use in settlement by the Supplier Volume Allocation Group and published.

Data will be displayed on the website for up to a year. If ELEXON receives new LLF data during the year, for the same period as currently displayed then the new file will overwrite the previous file and the version number will be incremented. If the new data is for the next year period then both should be displayed. After the 1st April the old data set should be removed.

The version number will enable interested parties to track whether the information they have downloaded from the site is current. It will be the responsibility of individual companies to ensure that they have current data.

ELEXON will ensure that the BSC Co website and related infrastructure is resilient enough to allow all BSC parties to simultaneously download multiple files in a timely and efficient manner.

There is a requirement for the current year's data to be displayed on the website after the Modification Proposal approval. This data set will include site specific LLF when received.

The ongoing costs of maintaining and updating this data on the ELEXON website are minimal.

5.1.2 MDD Data

The SVA Agent is responsible for the management and publication of Market Domain Data (MDD). The Modification Proposal is for this data (including Meter Timeswitch Codes), with Profile Regression data removed, to be made available to all BSC and non-BSC parties.

MDD is currently distributed to BSC Parties via the DTN or email in the format defined in the Data Transfer Catalogue (DTC) to all relevant BSC Parties. For BSC Parties that are on the DTN the file(s) should always be transferred via this link only.

Additionally, for BSC Parties not on the DTN and for non-BSC parties this data will need to be transmitted via email.

The format of data distributed is defined in the DTC and includes Meter Timeswitch Codes (version 2 of flows D0269 and D0270). These flows contain either the entire set of MDD (D0269) or data that has changed since the last full release (D0270).

MDD changes throughout the year. Companies who require this data will not have to continually request updates to the system. Once registered, they should remain on the Distribution List and have the new D0270 or D0269 data flows sent to them via email on an ongoing basis. A company would then be required to request removal from the list as and when they no longer require the data.

The Modification Group initially requested that MDD be provided on request on an ad-hoc basis, subsequent determinations requested that interested parties would remain on the Distribution List until a request for removal. This requirement was identified subsequent to obtaining the Impact Assessment. However, discussions with the MDDA revealed that this would not have any impact on previously provided costs.

N.B it should be noted that for non-BSC parties Profiling Regression data will always need to be excluded as they will not have signed the Confidentiality Undertaking.

There were no major issues with Impact Assessment report provided by the Market Domain Data Agent (MDDA) for the development and implementation required to support this Modification Project (see Annex 4).

5.1.3 Profile Co-efficient Data

Profile Co-efficient data are created in Daily Profile Production (DPP) and distributed in the D0018 data flow on a daily basis via the DTN. BSC Parties currently receiving this data in this format will continue to receive it in this manner and will not be affected by the implementation of this Modification Proposal.

The Modification Proposal requires that this data be made available to all BSC and non-BSC parties, currently not a recipient of the D0018 data flow.

The daily D0018 files will need to be received, collected together and packaged to provide a data set spanning the previous year. This data set will span the period 1st April to the 31st March of the previous year. This would be provided to the requesting party by the 30th April each year.

The Impact Assessment carried out by the MDDA (see Annex 4) indicated that the most cost effective route for the collation and distribution of data was via the MDDA.

Upon request from an interested company, the annual data will be compressed and distributed on CD-ROM.

The Proposer requested that on initial implementation of the Modification Proposal, that Profile co-efficient data for the period 1st April 2001 to 31st March 2001 be made available. This is the only requirement for the gathering of historic data. After this period data will only be made available for the preceeding year.

The Impact Assessment did not raise any major issues.

5.1.4 BM Unit Aggregation Report (CDCA-I042)

The BM Unit Aggregation Report (CDCA-I042) is currently distributed to any requesting Acceded Party via the Low Grade Service or the High Grade Service.

The Modification Proposal requirement is that the BM Unit Aggregation Report (CDCA-I042) will be made available to both BSC and non-BSC parties. An interested company should be able to request this report for either a specific BM Unit, a set of BM Units or for all BM Units.

Non-BSC parties will need to specify a date range for receipt of the report

The Proposer requested that reports backdated to the 27th March 2001 would need to be made available upon implementation of this Modification Proposal. This is the only requirement for historical data to be made available.

If the BM Unit Aggregation Report is specified by individual BM Unit then CDCA could email it to the relevant party. If the BM Unit Aggregation Report is for all BM Units and the data cannot be compressed to a size compatible with emailing then it could be written to CD-ROM and distributed to the requesting company.

The Modification Group raised concerns over the proposed cost of this aspect of the Modification Proposal. Representatives from non-BSC parties indicated that they would be unwilling to contribute the required capital towards the development of this system on the basis of the costs presented.

Discussions were held with the Central Services Agent to decide whether there were any methods of reducing the costs of this.

The Modification Group explored the possibility of distributing the report to any non-BSC party via the Low Grade Service as this presented a marginally cheaper option. However, this option was disregarded as it would be difficult to track which Non-BSC parties were requesting reports, presenting a consequential difficulty in determining associated charging mechanisms.

The Modification Group also considered including P30 within the scope of the CDCA Release 2 project. This option would decrease the cost of this change by a quarter to approximately £60 000 with a consequential decrease in the ongoing maintenance charges. However, this would lead to the implementation date of the Modification Proposal being moved to September 2002.

5.1.5 Summary of Data Requirements

The following table summarises the above options:

Data	Format Changes	Transmission Method	Impact Assessment Received From
Line Loss Factor Information	No change	BSC Co website	ELEXON
MDD Data	No change	Email/DTN	MDDA
Profile Co-efficient Data	Currently, this data is distributed on a daily basis. This would need to be as a collated data set for the preceding year and distributed on an annual basis.	CD-ROM (provided once a year to requesting company, plus a one off provision of historic data)	MDDA

BM Unit Aggregation Report (CDCA-I042)	No change. It should be possible to request report for all BM Units.	Email/CD-ROM/LGS (for existing Acceded Parties.	CDCA
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5.1.6 Proposed Changes to Distribution

The table below details who currently receives the specified data and who will be entitled to receive which data sets if the Proposal is successful.

Data	Currently Available To	Proposal will make available to
MDD (including Profiling Regression Data).	Any SVA BSC Party that has signed the Confidentiality Undertaking.	No change.
MDD (excluding Profiling Regression Data)	Any BSC party	Any BSC and non-BSC party
BM Unit Aggregation report	Any BSC Party	Any BSC and non-BSC party
Profile Co-efficient Data	Any SVA BSC Party	Any BSC and non-BSC party

5.2 Potential Changes to External Systems

The addition of Line Loss Factors (D0265) to the ELEXON website may impact suppliers systems. Currently, they are used to receiving this data from each distribution business via the DTN (D0265). If the Modification Proposal is implemented and the related Change Proposal is approved then they would be downloading it from the ELEXON website.

5.3 Potential Changes to Central Services

The SVA system will need to be amended so that the D0018 data flow is captured and amalgamated into a yearly set of values.

The Distribution List will need to be increased for MDD data to enable the wider distribution of this information.

CDCA will need to be amended so that the BM Unit Aggregation report can be distributed to a larger number of interested parties.

6 POTENTIAL CHANGES TO INDUSTRY DOCUMENTATION

The following lists the documentation (other than the documentation specific to the Central Services and therefore 'owned' by the Central Services, such as the URSs and IDD) that will require amendment as a result of the Modification Proposal, with a brief summary of the potential change. The documentation listed is believed to represent the full set of impacted documents.

6.1 Balancing and Settlement Code

A full drafting of the amendments required to support the wider distribution of the Line Loss Factor data and the BM Unit Aggregation report can be found in Annex 1. Section S will need amending for the publication of Line Loss Factor data, Section V will need amending to enable the wider distribution of the BM Unit Aggregation Report (obviously this will not need amendment if the Alternative Modification is approved).

To enable the recouping of development costs from Non-BSC parties Section H 4.9.2 (b) will need amending to reflect the recouping the costs of development of systems necessary to retrieve this data.

6.2 Balancing and Settlement Code Subsidiary Documents - The Reporting Catalogue

If the original Modification Proposal is approved then section 6.5 will need amending to reflect the wider distribution of the BM Unit Aggregation Report. This will need to mention that "interested people" will be able to request this report.

6.2.1 NETA Data File Catalogue

The NETA Data File Catalogue Annex G will need amending to reflect that the distribution of the BM Unit Aggregation Report would be a manual process (amendment will not be necessary if the Alternative Modification is approved).

6.3 BSSCo Memorandum and Articles of Association

There will be no impact on these documents

7 INTERIM SOLUTIONS

Prior to the implementation of the solutions identified within the Assessment Report both Line Loss Factor information and MDD data can be distributed via email from ELEXON. ELEXON currently has both sets of data stored centrally. Companies desiring this information would have to raise a call with the ELEXON Help Desk who would distribute the information via email. This solution is based on the presumption that there will be a limited number of requests.

As the BM Unit Aggregation Report will need BSC and BSC Agent system changes and is not currently stored centrally by ELEXON there is no interim solution available for the provision of this data.

Although the distribution of Profile Co-efficient data would not require a BSC change there is no easily available interim solution as it would involve significant contractual changes with the relevant BSC Agent.

8 ALTERNATIVE MODIFICATION

Due to the high implementation cost of amendments to CDCA, the Modification Group identified a requirement for an Alternative Modification. The Alternative Modification would not need additional Impact Assessments from CDCA, ELEXON, MDDA or SVAA. The Alternative Modification would incorporate the distribution of the following data sets to BSC and non-BSC parties:

- Line Loss Factor information;
- Profile Co-efficient information; and
- MDD data.

It would not include:

- BM Unit Aggregation report or any amendments to the CDCA.

The original Modification Proposal recommended the distribution of the following data sets to BSC and non-BSC parties:

- Line Loss Factor information;
- Profile Co-efficient information;
- MDD; and
- BM Unit Aggregation Report.

The Modification Group recommended the implementation of the Alternative Modification for the following reasons:

Cost

The original Modification Proposal will cost approximately £110,000 (including ELEXON Management costs). In addition to this there will be ongoing maintenance costs of approximately £12 000 a year.

The Alternative Modification will cost in the region of £51,000 (including ELEXON Management costs) with no ongoing maintenance costs.

Representatives from Non-BSC parties were unwilling to contribute the requisite amount towards the development of the CDCA Central System

A member of the Modification Group also expressed concern over recouping the cost for this development work over four years.

Timescales

The original Modification Proposal would aim to be implemented by September 2002.

The alternative Modification Proposal would aim to be implemented 12 weeks after receiving authorisation.

Other

The Modification Group considered that splitting the BM Unit Aggregation Report outside of the scope of the Modification Proposal would enable this requirement to be implemented more quickly in a separate Modification as alternative workarounds could be reviewed.

The Modification's Proposer has requested as short as possible timescales for the implementation of this Modification Proposal

9 IMPACT ON BSC SYSTEMS

The following section details the potential impacts to BSC Systems.

9.1 Registration

No Impact

9.2 Contract Notification

No Impact

9.3 Credit Checking Systems

No Impact

9.4 Balancing Mechanism Activities

No Impact

9.5 Collection and Aggregation of Metered Data

No Impact

9.6 Supplier Volume Allocation

No Impact

9.7 Settlement

No Impact

9.8 Clearing, Invoicing and Payment

No Impact

9.9 Reporting

If the original Modification Proposal is approved the BM Unit Aggregation Report will be distributed to a larger range of companies. This would not have no impact on Acceded parties who can continue to receive the report via the Low Grade Service. To parties not currently entitled to this information it will be distributed via email.

The cost of this is approximately £85 000 if implemented separately, or £60 000 if implemented as part of the CDCA Release 2 project along with annual maintenance fee of 18%.

The development work would take sixty six days

10 SUMMARY OF IMPACT ASSESSMENTS

10.1 ELEXON Impact Assessment

The following summarises the Impact Assessment for ELEXON to supply the Line Loss Factor data via the ELEXON website (see Annex 2) and to distribute the Profile Co-efficient data (see Annex 3).

The Impact Assessment provides the cost and timescales for the display of the recommended LLF data set and this can be summarised as follows:

- To deliver both summarised LLF data and D0265 as part of the existing site the lead time for developing, testing and implementing the solution would be 5 weeks and cost the order of £17,500k (with a margin for error of +/- 30%)

These costs and timescales do not include any external market testing. For a change of this nature, there is a requirement for a degree of market testing and therefore this will impact such costs and timescales.

The above presumes an implementation date that is not earlier than the 1st April 2002.

The Modification Group considered these costs and timescales at their meeting of the 09th October 2001, and noted that the impact assessments carried indicative costs only (ie there is room for error in the magnitude of +/- 30%).

The Impact Assessment also provided costings on providing LLF data in a "members only" section of the website which Non-BSC parties would be charged to access. This was regarded as being unnecessary by the Modification Group as the cost of creating such a section would be greater than the cost of updating the ELEXON website.

It was decided to recommend that ELEXON not be used as the distributor of profile co-efficient data as it was not the most cost effective option.

10.2 CDCA Impact Assessment

The following summarises the Impact Assessment (see Annex 5) for the CDCA to supply the BM Unit Aggregation Report data to any requesting person.

The following summarises the indicative Detailed Level Impact Assessment provided (the full DLIA is provided in ANNEX 5 of this Assessment Report):

The Impact Assessment indicates that the changes required to the Central Services system functionality and processing are in accordance with the P030 Requirements Specification (Reference 3).

Please note that these costs are indicative and exclude VAT. They are also only valid for thirty days. Negotiations will have to be performed with the CDCA if this falls outside of project timescales.

The Impact Assessment provides the cost and timescale options, as requested in the Requirements Specification and these can be summarised as follows:

Cost of distributing data via email or CD-ROM = £85,774 if implemented as a patch or £60,000 if implemented as part of the Release 2 project (excluding VAT) plus ongoing maintenance costs of £1,287 per month. In addition to this, a company requesting the data would need to pay on a Time and Materials basis for the report.

It will take sixty six days to implement these changes.

10.3 MDDA/SVAA Summary

The following summarises the Impact Assessment for the MDDA to supply the MDD data, Profile Co-efficients and historical profile co-efficients to any requesting person or company.

The following summarises the indicative Detailed Level Impact Assessment provided (the full DLIA is provided in ANNEX 4 of this Assessment Report):

The DLIA indicates that the changes required to the Central Services system functionality and processes in accordance with the P030 Requirements Specification (Reference 3).

The DLIA provides the cost and timescales options, as requested in the Requirements Specification and these can be summarised as follows:

Data Item	Development Cost	Distribution Cost
MDD Flows	£2,248	Full MDD Data flow (D0269) - £50.81 per Publish for up to ten requests, plus a further cost of £22.58 per Publish for each additional 10 requests or any part thereof. Incremented Data Flow (D0270) - £50.81 per Publish for up to ten requests, plus a further cost of £22.35 per Publish for each additional requests or any part thereof.
Profile Co-efficient Data	£4,185	A monthly cost of £271 to compile Monthly Master CD, plus a cost of £67.75 for each copy of the Monthly Profile Co-efficient Data CD requested.
Historic Co-efficient Data	£1,084	£135.50 per CD to produce and dispatch a historic data set.

11 DATA DISTRIBUTION

The section below details how non-BSC parties can request the data and how the cost of distributing this data is going to be recouped.

11.1 Mechanism for Non-BSC parties to request BSC Data

Non-BSC parties will request the data by raising a call with the ELEXON Help Desk. ELEXON will take the contact details and data request and pass it onto the relevant BSC Agent. The BSC Agent will create the relevant data set and distribute it to the requesting party.

The BSC Agent will bill ELEXON for performing the relevant work. ELEXON will then bill the requesting Non-BSC party.

Data will only be distributed to companies that have agreed not to sell the data on. This will ensure that ELEXON is able to distribute the data widely enough to ensure it can recoup outlay.

11.2 Cost Recovery

Charges will be calculated on the basis of BSC parties not paying for the distribution of the data sets to non-BSC parties.

The first time that a Non-BSC party requests an item of data covered by this Modification Proposal they will be required to pay an extra amount towards the development of the relevant system.

To enable ELEXON recoup the development costs of distributing this data to non-BSC parties, the Modification Group have estimated the number of companies that will request the individual data sets (i.e. MDD, Profile co-efficient data, historic Profile Co-efficient data and the BM Unit Aggregation Report) within one year of the Modification Proposal being implemented. These non-BSC parties will have the relevant development cost split between them (i.e if ten companies request the data then each will pay 10% of the development cost).

The Modification Group has recommended the following equation for calculating charges:

Bill to non-BSC party = (Cost of individual distribution + ELEXON administrative charge) + (Total Development for charge for data set divided by Estimated number of non-BSC parties requesting data).

The ELEXON administration charge should initially be set at £20. Until the exact number of requests is known and impact on ELEXON can be assessed more accurately, the exact amount cannot be accurately defined.

The exact ELEXON administration charges for this can be revised after a year. ELEXON can recoup any losses by increasing the cost of the reports in the following year. If ELEXON has made a profit then the costs of the report can be decreased for the following year.

The following are the estimated number of requests for each data set.

MDD Data	= 10 Non-BSC parties
Profile Co-efficient Data	= 10 Non-BSC parties
Historic Co-efficient Data	= 10 Non-BSC parties
BM Unit Aggregation Report	= 10 Non-BSC parties

The development costs for the MDD, Profile Co-efficient and Historic Co-efficient data system changes are calculated around recouping outlay within a year.

Example

A company requests the complete MDD data set (D0269) for the first time. They would be charged as follows:

Non-BSC party bill = £50.81 + £20.00 + (£2,248 divided by 10) = £295.61

Thereafter the same Non-BSC party would only be charged the normal rate for the distribution of MDD data (ie £50.81 for D0269).

The development costs for the BM Unit Aggregation Report are based around recouping outlay within four years. The total cost of this amendment to the CDCA system over four years will cost £140 000 (£60 000 + total support costs of £48 000). An individual years cost will be £27 000 (£108 000 divided by four). The equation for calculating the first time cost is the same as described above.

For the first time a year for the next four years, a non-BSC party will have to pay:

Non-BSC party bill = (Time and Material + £20) + (£27 000 divided by 10) = £2720 + Time and Material for the BM Unit Aggregation Report.

Thereafter the cost of the bill to that individual business would be on a time and material basis.

12 IMPACT ON CORE INDUSTRY DOCUMENTS AND SUPPORTING ARRANGEMENTS

12.1 Grid Code

No Impact.

12.2 Master Connection and Use of System Agreement (MCUSA)

No Impact.

12.3 Supplemental Agreements

No Impact.

12.4 Ancillary Services Agreements (ASAs)

No Impact.

12.5 Master Registration Agreement (MRA)

Neither the Modification nor the Alternative Modification will directly lead to an impact on the MRA. However, if the Change Proposal requesting that file D0265 is no longer distributed along the DTN is successful then there will be an impact on the MRA and the DTSA.

12.6 Data Transfer Services Agreement (DTSA)

See comment for 12.5

12.7 British Grid Systems Agreement (BGSA)

No Impact.

12.8 Use of Interconnector Agreement

No Impact.

12.9 Pooling and Settlement Agreement (PSA)

No Impact.

12.10 Settlement Agreement for Scotland (SAS)

No Impact.

12.11 Distribution Codes

No Impact.

12.12 Distribution Use of System Agreements (DUoSAs)

No Impact.

12.13 Distribution Connection Agreements

No impact.

13 IMPACT ON ELEXON

It is believed that the implementation of this Modification Proposal will not have a significant impact on ELEXON other than the obligation to amend the Balancing and Settlement Code and Code Subsidiary Documents. There will be ongoing costs to update the ELEXON website, administrate and manage the distribution of the MDD, Profile Co-efficient data and the BM Unit Aggregation Report but these are expected to be minimal.

Only the impact of administrating the ELEXON website can be accurately assessed. Administrating and managing the distribution of the other data sets cannot be determined until the number of companies that request this data is known. This will only be known after the first year of operation.

ELEXON will need to develop contracts with the relevant Non-BSC parties to prohibit the resale of data, and to recoup development costs.

14 IMPACT ON PARTIES AND PARTY AGENTS

The following represents an assessment of the impact on BSC Parties and Party Agents based upon the Consultation and Impact Assessment responses received.

14.1 Parties

The distribution of LLF data via the ELEXON website may negate the need for Distribution Businesses to transmit D0265 via the DTC. Suppliers will need to adapt their systems to ensure that they can retrieve and utilise this information in an effective way.

Acceded Parties will not have their existing mechanisms or infrastructure affected by the proposed transmission of MDD data, Profile Co-efficient Data (D018) and the BM Unit Aggregation Report (CD-1042) as they will continue to receive them via existing mechanisms.

14.2 Party Agents

No impact.

15 LEGAL IMPLEMENTATION REQUIREMENTS

The following identifies the legal changes associated with the Modification and Alternative Modification.

Original Modification

- Section S and V will need amending to deal with the wider distribution of data (see Annex 1);
- Legal contracts will have to be created that prohibit the resale of data;
- Contracts with BSC Agents will have to be amended to reflect the wider distribution of data.

Alternative Modification

- Section S will need amending to deal with the wider distribution of LLF data;
- Legal contracts will have to be created that prohibit the resale of data;
- Contracts with BSC Agents will have to be amended to reflect the wider distribution of data.

16 PROJECT BRIEF – EXECUTIVE SUMMARY

The detailed costs and timescales provided here are based on the costs and timescales received from the ELEXON, MDDA, CDCA and SVAA and on those development and implementation costs and timescales projected by ELEXON to manage and oversee the proposal.

Beneath is a high level description of the Project Brief which sets out in high level terms, a proposed project for implementation of the Modification changes required to support the following:

- The implementation of procedures that will enable the wider distribution of data;
- The implementation of the amendments required to the Balancing and Settlement Code and Code Subsidiary documentation.

The cost of developing the necessary changes for the implementation to enable greater distribution of data is in the region of £82,769 and the requisite changes would be completed within 12 weeks or by September 2002 if CDCA is included within the scope of the project. These costs and timescales do not include any allowance for external testing, nor do they include ELEXON project costs.

ELEXON will be responsible for managing implementation of the Modification. The Modification Group have reviewed and approved the implementation processes.

Therefore in addition to the CDCA, MDDA, SVAA and ELEXON costs there will be ELEXON project costs of a maximum of £35,000 which include those for changes to the Code and Code Subsidiary Documents as well as for the relevant degree of Market Participant testing.

Therefore, in summary:

	Original Modification Proposal	Alternative Modification Proposal
BSC Agent Costs (indicative)	£76,000	£16,000
ELEXON Management Costs	£35,000	£35,000
Planned Implementation Date	September 2002	12 weeks after final authority received

ANNEX – REPRESENTATIONS RECEIVED

Please see related document '31_009c' for details of responses received