

August 2001

MODIFICATION REPORT
MODIFICATION PROPOSAL P1 –
Extension to the Definition of
ECVAA System Failure

Prepared by ELEXON on behalf of the Balancing
and Settlement Code Panel

Document Reference	MR001
Version no.	1.0
Issue	1
Date of Issue	31 st August 2001
Reason for Issue	Authority Decision
Author	ELEXON

I DOCUMENT CONTROL

a Authorities

Version	Date	Author	Signature	Change Reference
0.1	27/07/01	Trading Development		Initial Draft
0.2	27/07/01	Trading Development		Draft for Consultation
0.3	17/08/01	Trading Development		Draft for Panel Decision
1.0	23/08/01	Trading Development		Final Version for Authority Decision

Version	Date	Reviewer	Signature	Responsibility
0.1	27/07/01	Trading Strategy		Peer Review
0.3	17/08/01	Trading Strategy		Peer Review
0.3	23/08/01	Panel		Panel Decision

b Distribution

Name	Organisation
Each BSC Party	Various
Each BSC Agent	Various
The Gas and Electricity Markets Authority	Ofgem
Each BSC Panel Member	Various
energywatch	Energywatch
Core Industry Document Owners	Various

c Intellectual Property Rights and Copyright

This document contains materials the copyright and other intellectual property rights in which are vested in ELEXON Limited or which appear with the consent of the copyright owner. These materials are made available for you to review and to copy for the purposes of the establishment, operation or participation in electricity trading arrangements in Great Britain under the BSC. All other commercial use is prohibited. Unless you are a person having an interest in electricity trading in Great Britain under the BSC you are not permitted to view, download, modify, copy, distribute, transmit, store, reproduce or otherwise use, publish, licence, transfer, sell or create derivative works (in whatever format) from this document or any information obtained from this document otherwise than for personal academic or other non-commercial purposes. All copyright and other proprietary notices contained in the original material must be retained on any copy that you make. All other rights of the copyright owner not expressly dealt with above are reserved.

II CONTENTS TABLE

I	Document Control.....	2
a	Authorities.....	2
b	Distribution.....	2
c	Intellectual Property Rights and Copyright.....	2
II	Contents Table	3
1	Summary and Recommendations	4
1.1	Recommendation.....	4
1.2	Background.....	4
1.3	Rationale for Recommendations.....	4
2	Introduction.....	6
3	Purpose and Scope of the Report	6
4	History of Proposed Modification.....	7
5	Description of Proposed Modification.....	8
6	legal text	9
6.1	Conformed Version of Section P5.....	9
6.2	Clean Version of Section P5.....	9
6.3	Changes to Annex X-1.....	9
7	Rationale for Panel Recommendations	10
8	Assessment	11
9	Summary of Representations.....	12
Annex 1 – Representations		14
Annex 2 – Legal text		19
Conformed Version		19
Clean Version		24
Annex 3 – Recommended “Notification System” Diagrams.....		29

1 SUMMARY AND RECOMMENDATIONS

1.1 Recommendation

Modification Proposal P1 ('the Modification') seeks extension of the definition of ECVAA System Failure to enable the re-submission of Volume Notifications affected by failures of High Grade communication links and proposes that the that extension be made retrospective to market opening - 27th March 2001.

During the Assessment Procedure, the Modification Group ('the Group') developed an Alternative Modification that they believed would better facilitate the Applicable BSC Objectives. The Alternative Modification would extend the re-submission contingency for affected Volume Notifications to failures of Low Grade, as well as High Grade, communication links. In addition, the Alternative Modification would not be made retrospective to market opening.

On the basis of the analysis, consultation and assessment undertaken in respect of this Modification Proposal during the Assessment Phase, and the representations received under the Report phase, the BSC Panel recommends to the Authority that:

The Modification, as submitted, is rejected and the Alternative Modification, as set out in Section 5, is approved and implemented immediately upon such approval.

1.2 Background

The Modification was submitted on the 27th March 2001 by OM London Exchange Ltd. ELEXON produced an Initial Written Assessment (IWA) and presented it to the Panel on the 5th April 2001. The Panel endorsed ELEXON's recommendation that the Modification be progressed to the Definition Procedure, and requested that a Definition Report be presented at the Panel meeting on the 31st May 2001.

The Definition Report was presented to the Panel on the 31st May 2001. The Panel endorsed the Modification Group's recommendation to progress the Proposal to the Assessment Procedure and that an Assessment Report be presented to the Panel meeting on the 26th July.

During the Assessment Procedure, the Group developed an Alternative Modification that they believed would better facilitate the Applicable BSC Objectives in comparison to the original Modification. The Assessment Report was presented to the Panel on the 26th July 2001. The Panel endorsed the Group's recommendation that the Modification, as submitted, is rejected and the Alternative Modification is approved and implemented immediately upon such approval. Consequently, the Modification was submitted to the Report Phase.

During the Report Phase, a draft version of the Modification Report was sent out to all BSC Parties for consultation on the 30th July. The representations received were considered and incorporated where appropriate. The draft Report was presented to the Panel on the 23rd August 2001, and the Panel approved the recommendations contained within it.

1.3 Rationale for Recommendations

The Panel endorsed the Modification Group's conclusion that the Alternative Modification would better facilitate achievement of the Applicable BSC Objectives as set out in the Transmission Licence, as compared to the current provisions of the BSC and the original Modification. In particular, it would best meet objectives 7A(3)(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*

– and 7A(3)(d) – *'promoting efficiency in the implementation and administration of the balancing and settlement arrangements'*. In reaching this conclusion, the Panel took due account of the views of the Proposer, all representations received from interested parties and the views of the Group. This Modification Report should be read in conjunction with the Group's Assessment Report, which forms Attachment 1 to this report.

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.

This Modification Report is addressed and furnished to the Gas and Electricity Markets Authority ('the Authority') and none of the facts, opinions or statements contained herein may be relied upon by any other person.

An electronic copy of this document can be found on the BSC website, at www.elexon.co.uk

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).

A Modification Report must be prepared and submitted to the Authority in respect of each proposed modification and must contain:

- (a) The recommendation of the Panel as to whether or not the Proposed Modification or any Alternative Modification should be made;
- (b) The proposed Implementation Date for implementation of the Proposed Modification or any Alternative Modification;
- (c) The matters set out in Annex F-1 of the BSC. This will usually be in the form of the relevant Assessment Report where the Proposal has been submitted to a Modification Group prior to the Report Phase;
- (d) An explanation of the Panel's rationale should the Panel form a different view of any matters contained in the Modification Group Report; and
- (e) 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.

4 HISTORY OF PROPOSED MODIFICATION

The Modification was submitted on the 27th March 2001 by OM London Exchange Ltd. ELEXON produced an IWA and presented it to the Panel on the 5th April 2001. The Panel endorsed ELEXON's recommendation that the Modification be progressed to the Definition Procedure, and requested that a Definition Report be presented at the Panel meeting on the 31st May 2001.

The Definition Report was presented to the Panel on the 31st May 2001. The Panel endorsed the Group's recommendation to progress the Modification to the Assessment Procedure and that an Assessment Report be presented to the Panel meeting on the 26th July. The Panel also endorsed the Group's recommendation that making implementation of the Modification retrospective to market opening be considered separately from the main part of the Modification to ensure that assessment would not be delayed by the issue of retrospection.

During the Assessment Procedure, the Group developed an Alternative Modification that they believed would better facilitate the Applicable BSC Objectives in comparison to the original Modification. The Alternative Modification would extend the re-submission contingency for affected Volume Notifications to failures of Low Grade, as well as High Grade, communication links. In addition, the Alternative Modification would not be made retrospective to market opening.

The Assessment Report was presented to the Panel on the 26th July 2001. The Panel endorsed the Group's recommendation that the Modification, as submitted, is rejected and the Alternative Modification is approved and implemented immediately upon such approval. Consequently, the Modification was submitted to the Report Phase.

On Monday 30th July 2001 a draft Modification Report was issued for industry consultation (2 weeks were allowed for responses to be sent to ELEXON). All representations received under this consultation supported the implementation of the Alternative Modification. The representations were considered and incorporated where appropriate. The draft Report was presented to the Panel on the 23rd August 2001, and the Panel approved the recommendations contained within it.

5 DESCRIPTION OF PROPOSED MODIFICATION

The Modification, as submitted, calls for extension of the definition of ECVAA System Failure to include participants' High Grade links to the NETA Central site, where the ECVAA service is hosted. In keeping with the existing contingencies for an ECVAA System Failure, participants would be able to re-submit affected Volume Notifications.

An Alternative Modification was proposed by the Group, which covered failures of Low Grade links and was not retrospective to market opening. The Group decided that the Alternative Modification would better facilitate the Applicable BSC Objectives, because:

- (a) by extending the original Modification to cover Low Grade links, it provides the benefits to all BSC Parties, thereby providing equitable treatment of communication failures to Parties using either High Grade or Low Grade links; and
- (b) not proposing retrospection avoids any legal implications and would thus further increase efficiency in the administration of the balancing and settlement arrangements.

6 LEGAL TEXT

6.1 Conformed Version of Section P5

See Annex 2 for the conformed version of Section P5 of the Code.

6.2 Clean Version of Section P5

See Annex 2 for the clean version of Section P5 of the Code.

6.3 Changes to Annex X-1

The following changes to Annex X-1 of the Code, the general glossary, are necessary to reflect the new terms introduced in the revised version of Section P5:

- (a) remove "ECVAA System Failure" entry on page X1-14;
- (b) add the following entry "Notification System: has the meaning given to that term in Section P5.1.1(c)";
- (c) add the following entry "Notification System Incident: has the meaning given to that term in Section P5.1.1(e)"; and
- (d) add the following entry "Party Service Boundary: has the meaning given to that term in Section P5.1.1(d)".

7 RATIONALE FOR PANEL RECOMMENDATIONS

The Panel endorse and agree with the Group's rationale for proposing the Alternative Modification and rejecting the original Modification.

According to the Proposer, not including communications failures as a type of ECVAA System Failure is an inconsistency that undermines Applicable BSC Objectives (c) and (d). Failure to submit or receive "contract notifications" increases potential imbalance and, hence, could have a significant effect on imbalance prices regardless of underlying market conditions. The contingencies currently in place to recover from ECVAA System Failures remove this risk and distortion, applying the same contingencies to communications link failures would promote competition in the wholesale electricity market and increase the efficiency of the balancing and settlement arrangements. Participants would no longer be exposed to a risk beyond their control and the potential price distortion would be removed.

The Group agreed with the Proposer's analysis of the current situation. In the event of a communications failure in the current environment, participants are exposed to the risk of significant imbalance charges. The communication links to the ECVAA are centrally provided and participants have only limited ability to mitigate the risk of their failure. Therefore, participants bear the financial risk of systems failures over which they have little control.

The Group believe that implementation of the Modification would remove the imbalance risk that participants face from communication link failures outside their control.

Furthermore, an Alternative Modification was proposed by the Group. The Group believed the Alternative Modification would better facilitate achievement of the Applicable BSC Objectives compared to the original Modification, as it extends the benefits of the original Modification to all BSC Parties and avoids the legal implications of retrospection.

8 ASSESSMENT

The following is a summary of the impacts identified in the Assessment Report produced by the Group, which forms Attachment 1 to this report.

The Alternative Modification would have the following impacts:

- amendments to section P5 of the BSC (the legal drafting is contained in Annex 2 of the report);
- amendments to the ECVAA Service Description and ECVAA User Requirements Specification (URS) to be agreed between ELEXON and the Central Service Provider (these changes will be designed so as not to prejudice any future liberalisation of the communications provision market)¹;
- ELEXON would have to update their 'Local Working Instructions' and agree with the Central Service Provider on a new set of criteria for declaring a "Notification System Incident";
- no impact on BSC Systems;
- no Party provided any details of the impact that the Alternative Modification would have on them (most respondents reported no impact);
- no impact on Core Industry Documents and Supporting Arrangements;
- no impact on the BSSCo Memorandum and Articles of Association; and
- no impact ELEXON systems.

¹ ELEXON have identified a potential issue associated with the implementation of the Alternative Modification. Implementation should not prejudice any future liberalisation of the market in the provision of communication media. To this end, it is proposed that changes to the ECVAA Service Description and User Requirements Specification be drafted so as to avoid any potential restrictions in this market.

9 SUMMARY OF REPRESENTATIONS

The consultation responses received during the Definition and Assessment Procedures are summarised and reproduced in full in the Assessment Report, included as Attachment 1 to this report.

During the Report Phase, a draft version of this report was sent out for consultation with BSC Parties - nine responses were received. The responses are summarised in the table below.

No	Party	Alternative Modification	Comments
1.	Dynergy	Yes	-
2.	TXU Energy Trading Ltd	Yes	-
3.	London Electricity	Yes	-
4.	Powergen UK plc	Yes	-
5.	SEEBOARD	Yes	New terms introduced into the Code should be included in glossary (i.e. Annex X-1)
6.	British Energy plc	Yes	Draft legal text should clearly state that failure of a High Grade link, regardless of whether or not Party possesses a Low Grade link, should always constitute a "Notification System Incident"
7.	Scottish & Southern Energy	Yes	Scope of Low Grade link in draft legal text unclear
8.	Scottish Power UK plc	Yes	Apparent errors in cross-referencing in draft legal text
9.	British Gas Trading	Yes	-

All nine responses supported implementation of the Alternative Modification. Four respondents made additional comments.

One respondent recommended that Annex X-1 of the Code, the general glossary of terms, be amended to reflect the proposed changes to Section P5. The respondent proposed removal of the redundant "ECVAA System Failure" entry and inclusion of entries for the new terms "Notification System", "Notification System Incident" and "Party System Boundary". The Panel supports this recommendation and the proposed changes to Annex X-1 can be found in section 6.3 of this report.

Another respondent identified some typographical errors in the proposed changes to Section P.5. The errors have been rectified in the proposed changes to P.5 contained in Annex-2 of this report.

Another respondent was concerned that a Party possessing both a High Grade and a Low Grade link would not be able to re-submit notifications unless both links failed – even if the Party could not switch quickly from one notification medium to the other. However, in subsequent conversation, the

respondent was re-assured that the proposed changes met their concerns. The changes clearly allow re-notification in the event of a failure of any part of either the High Grade or Low Grade link inhibiting contract notification or receiving confirmation of receipt of such notification. Therefore, if one's High Grade link failed, and one couldn't switch quickly enough to one's Low Grade link to ensure no contract notifications were affected, then a "Notification System Incident" would be declared and the accompanying contingencies made available.

In the final detailed response, the respondent stated that they were unclear as to the precise scope of the definition of the Low Grade link in the proposed changes to Section P.5. Specifically, they were not clear if Internet connections were included. The proposed definition of "Notification System" is deliberately unspecific, so as not to require constant revision as communication technology evolves. However, as mentioned under the definition, the precise components of the "Notification System" are to be determined in accordance with guidance from time to time issued by ELEXON. The two system diagrams contained in Annex-3 of this report represent the suggested "Notification Systems" and their boundaries for the High and Low Grade links. The proposed boundary for the Low Grade link includes the ISP of the ECVAA.

ANNEX 1 – REPRESENTATIONS

Representations were received from the following parties:

No	Company
1.	Dynegy
2.	TXU Europe Energy Trading Ltd
3.	London Electricity
4.	Powergen UK plc
5.	SEEBOARD
6.	British Energy plc
7.	Scottish & Southern Energy
8.	Scottish Power UK plc
9.	British Gas Trading

Dynegy

Dynegy would like to make the following comments concerning the draft modification report of P001: Extension to the definition of ECVAA system failure.

Dynegy support the BSC Panel's recommendation to the Authority that approves the alternative modification and the non retrospective implementation.

Dynegy welcome the expansion of the original modification that intends to cover the failure of the low grade links as well as the high grade. We are also pleased with the Panel's recommendation of not making the modification retrospective. We do not believe that there are any advantages of retrospection in comparison to the uncertainty created.

Rekha Patel

TXU Europe Energy Trading Ltd

Modification Proposal P1 - Extension to the Definition of ECVAA System Failure

Thank you for the opportunity to comment on the above modification proposal. TXU Europe Energy Trading Ltd would like to make the following comments on behalf of all TXU Europe companies.

TXU agree with the modification group recommendation that the alternative modification should be implemented. Communications failures, as described in the modification report, are beyond the control of market participants and therefore parties should be able to re-submit ECVNs should such a failure occur.

Yours sincerely

Nicola Lea
Market Development Analyst

London Electricity

London Electricity is happy with this modification.

Liz Anderson
(London Electricity, South Western Electricity, Jade Power and Sutton Bridge Power)

Powergen UK plc

Proposed Variation to BSC – Modification Proposal No: 1 - Extension Of The Definition Of ECVAA Systems Failure For Permitting Post Gate Closure Notification

Powergen UK plc ('Powergen') welcomes the opportunity to comment on the modification report issued for P1 on the 30th July. Powergen provides this response on behalf of itself and the following BSC Parties: Powergen Energy plc, Diamond Power Generation Limited, and Cottam Development Centre Limited.

In response to the modification report Powergen would raise the following points :-

- Powergen support the proposals contained within the report under the alternative modification including the extension of the modification to cover the low grade service.
- Powergen would support the implementation of the alternative modification immediately upon approval in order.

Yours Sincerely
James Hawkins
Strategy & Regulation
Energy Trading
Powergen
02476 42 4737.

SEEBOARD

We agree with the recommendation to accept P1 alternative modification.

We do feel that there should be a number of changes to section X-1 of Balancing & Settlement Code as part of this modification. These would be to remove definition of "ECVAA System Failure" and introduce three new definitions, namely: "Notification System", "Notification System Incident" and "Party Service Boundary". These could be added in the same form as currently used for "ECVAA System Failure" by defining under meaning as "has the meaning given to that term in Section P5.1.1:".

Dave Morton
SEEBOARD
0190 328 3465

British Energy plc

In general, British Energy supports the alternative proposal suggested by the Modification Group. We believe the modification will facilitate equitable treatment of communication failures to Parties using either High Grade or Low Grade links. We do not support retrospective application of code changes, which we consider would undermine confidence in the BSC and associated markets.

We have a concern over the clarity of the proposal in respect of parties with high grade systems. The proposal should clarify that a party with both a high grade and a low grade link would be covered in the event of a failure of its high grade link only. BE believe that as written it could be interpreted that if a party uses the high grade service, then both the high and low grade infrastructures need to fail before ECVAA failure can be claimed. Swapping between high grade and low grade services at short notice is not currently a practical option.

Regards
Rachel Ace
For
British Energy Power and Energy Trading
British Energy Generation
Eggborough Power Ltd

Scottish & Southern Energy

This response is sent on behalf of Southern Electric, Scottish and Southern Energy, Keadby Generation Ltd and SSE Energy Supply Ltd.

We support the recommendation of the Panel, that the Modification as submitted is rejected, and that the Alternative Modification is approved and implemented upon such approval. We do however have one further comment on the Draft Report.

It is not clear how the extension of the original Modification to include Low Grade links will work, e.g. as it includes internet connections, will failure of their ISP constitute an ECVAA failure. Does this leave scope for dubious ex-post notifications? Perhaps these issues have already been covered, if so, I would be interested in the conclusions.

Regards
Robert

Scottish Power UK plc

Modification Proposal P1 – Extension to the Definition of ECVA System Failure

Having reviewed the Draft Modification Report for P1, we support the recommendations of the Modification Group that the alternative proposal be implemented and that the definition of an ECVA systems failure should be extended to include communication link failures in both Low and High Grade Links. We also concur with the recommendation not to implement retrospectively.

However, we would like to highlight some apparent errors in the legal drafting of the Modification Proposal, viz.

- 5.2.3 - incorrect cross reference to paragraph 5.1.1(c), should be paragraph 5.1.1(e)
- 5.3.1(a)(i) - same error as in 5.2.3 requiring the same remedy
- 5.3.1(b)(i) - text should say, "... (in the case of a Notification System Incident giving rise..."

I hope that you find these comments to be helpful. If I may be of any further assistance, please do not hesitate to contact me.

Yours Sincerely,

James Nixon

On behalf of:

Scottish Power UK plc, Manweb Plc and Manweb Services Ltd.

British Gas Trading

Modification Proposal 1: Extension to the Definition of ECVA System Failure

Thank you for the opportunity of responding to this modification. British Gas Trading supports the Alternative modification developed by the Modification Group that extends the re-submission contingency for affected Volume Notifications to failures of Low grade, as well as High grade, Communication Links.

We support the removal of retrospective application of this Modification in the Alternative Proposal with the implementation date immediate on approval.

Yours faithfully,

Sarah Grimes

Commercial Manager

ANNEX 2 – LEGAL TEXT

Enclosed are two versions of the amendments to Section P5 of the BSC required to implement the Alternative Modification – the first details all changes made and text omitted, whilst the second is a “clean” version reflecting how the modified portion of the BSC would actually read.

Conformed Version

5. FAILURES OF THE ~~ECVAA~~NOTIFICATION SYSTEM

5.1 Introduction

5.1.1 For the purposes of this Section P:

(a) **"Volume Notification"** means an Energy Contract Volume Notification and/or a Metered Volume Reallocation Notification, and **"Volume Notification Agent"** means an Energy Contract Volume Notification Agent and/or a Metered Volume Reallocation Notification Agent;

(b) the **"ECVAA System"** is the BSC Agent System of the ECVAA, ~~which for the avoidance of doubt does not include hardware or software forming part of any relevant Communications Medium;~~

(c) ~~an~~ the **"Notification System"** is (in aggregate):

(i) the ECVAA System ~~Failure~~ is a failure or breakdown of the ECVAA System which has the effect that; and

(ii) for every Trading Party (and its Notification Agents):

(1) the Communications Mediums (and all parts of any system constituting any such medium) by which such Trading Party/its Notification Agents sends and receives Communications to and from the ECVAA; and

(2) any part of the relevant Party System from the ECVAA System to but not beyond the party system boundary; and

(iii) any other system or part of a system (up to but not beyond the party system boundary) by which any of the foregoing are connected or Communications transmitted by any of the foregoing are processed or stored;

[determined consistent with guidance from time to time issued by BSCCo] (and where 'system' includes telecommunications facilities, other equipment, hardware and software, and includes systems for redundancy, contingency and disaster recovery purposes);

(d) "party system boundary" shall be determined as follows:

- ~~(i) where the Communications Medium comprises dedicated telecommunications facilities (ie the high grade service described in the Communications Requirements Document) the party system boundary means and includes the 'router' which forms part of the Party System (and by which Communications are routed from and to the Party System) but not any source of power for the router;~~
- ~~(ii) where the Communications Medium is internet-based (ie the low grade service described in the Communications Requirements Document), the party system boundary means and includes the system (known as the 'internet portal') by which the ECVAA System is connected to the internet;~~

~~[determined consistent with guidance from time to time issued by BSCCo]:~~

~~(e) a "Notification System Incident" is a failure, breakdown or unavailability of the Notification System (other than parts of such system not for the time being in use) which has, and for so long as it has, the effect:~~

- ~~(i) that all or any Notification Agents are unable to submit to the ECVAA, and/or the ECVAA is unable to receive from all or any such agents, Volume Notifications-submitted to it by all or any Volume Notification Agents, and/or (as the case may be)-to send~~
- ~~(ii) that the ECVAA is unable to send to all or any Volume Notification Agents, or all or any such agents are unable to receive from the ECVAA, confirmations of receipt by the ECVAA of Volume Notifications within 20 minutes after such receipt-confirmations of such receipt to all or any such agents;~~

~~excluding (as respects any Volume Notification Agent affected thereby, and in relation to parts of the Notification System other than the ECVAA System) such a failure, breakdown or unavailability which was within the reasonable control of that Volume Notification Agent;~~

~~(d)(f)~~ the reference in paragraph ~~(ee)~~ to the ECVAA sending confirmations of receipt of Volume Notifications is without prejudice to the provisions of the Communications Requirements Document as to the deemed receipt of such notifications;

~~(eg)~~ for the avoidance of doubt, no failure or breakdown of any Party System ~~or any communications link~~ not forming part of the ~~ECVAA Notification~~ System shall be counted as ~~an ECVAA Notification~~ System ~~Failure Incident~~;

~~(fh)~~ in relation to ~~an ECVAA Notification~~ System ~~Failure Incident~~:

- ~~(i) the "system incident failure occurrence time" is the start of the ECVAA Notification System Failure Incident, or such earlier time as BSCCo may determine as being appropriate for the purposes described in paragraph (ej) below and notify to the ECVAA, Contract Trading Parties and Volume Notification Agents;~~
- ~~(ii) the "resubmission deadline" is the end of the Business Day following the day on which the ECVAA notified BSCCo (in accordance with~~

paragraph 5.2.1(c)(i)) that the ~~ECVAA System Failure Notification System Incident~~ has ended, or such earlier time (not being earlier than such ~~failure incident~~ ended) or later time as BSCCo may determine as being appropriate for the purposes described in paragraph ~~(g)~~ and notify to the ECVAA, Contract Trading Parties and Volume Notification Agents;

- ~~(g)~~ the purposes referred to in paragraph ~~(h)~~ are to enable Contract Trading Parties and their Volume Notification Agents to take steps to put themselves, so far as is practicable, in the position ~~(as respects the submission of Volume Notifications)~~ in which they would have been had the ~~ECVAA System Failure Notification System Incident~~ not occurred.

5.2 Consequences of ~~ECVAA Notification System Failure Incident~~

5.2.1 Where ~~an~~ ~~ECVAA Notification System Failure Incident~~ occurs:

- (a) the ECVAA shall as soon as possible notify BSCCo of the failure and the time at which it started;
- (b) the ECVAA and BSCCo shall each use all reasonable efforts as soon as practicable to notify all Contract Trading Parties and Volume Notification Agents of the failure and the time at which it started;
- (c) as soon as practicable after the end of the ~~ECVAA Notification System Failure Incident~~:
- (i) the ECVAA shall notify BSCCo, Contract Trading Parties and Volume Notification Agents that the failure has ended;
- (ii) BSCCo will notify Contract Trading Parties and Volume Notification Agents that Volume Notifications may be submitted or resubmitted in accordance with paragraph 5.2.2.

5.2.2 Where ~~an~~ ~~ECVAA Notification System Failure Incident~~ has occurred, commencing at the end of such failure, and until the resubmission deadline, Volume Notifications may be submitted or resubmitted to the ECVAA in relation to any Settlement Period for which Gate Closure falls after the ~~system incident failure occurrence~~ time and before the resubmission deadline.

5.2.3 Where ~~an~~ ~~ECVAA Notification System Failure Incident~~ affects ~~(as described in paragraph 5.1.1(e)) the ability of one or more but not all Volume Notification Agents to submit Volume Notifications to the ECVAA or receive confirmation of the receipt thereof by the ECVAA, or the ability of the ECVAA to receive and/or confirm receipt of Volume Notifications (as described in paragraph 5.1.1(c))~~ from or to ~~someone or more~~ but not all Volume Notification Agents:

- (a) the ECVAA shall inform BSCCo which Volume Notification ~~Agents Agent(s)~~ are so affected, and references in paragraph 5.2.1 to Volume Notification Agents shall only be to those ~~agents agent(s)~~ so affected;
- (b) paragraph 5.2.2 shall apply only in relation to the affected Volume Notification ~~Agents Agent(s)~~.

- 5.2.4 Any Volume Notification submitted or resubmitted in accordance with paragraph 5.2.2 shall specify the details (as provided in paragraph 2.3.2 or 3.3.2) which were or would (pursuant to commitments made before Gate Closure for any Settlement Period to which such notification relates) have been specified in such notification if it had been submitted before Gate Closure for any Settlement Period to which it relates (and if any question arises in relation to this paragraph 5.2.4, such question shall be decided by the Panel whose decision shall be final and binding on all Parties).
- 5.2.5 For the avoidance of doubt the existence of ~~an~~ ECVAA Notification System Failure Incident which is known to BSCCo shall constitute a material doubt as referred to in Section M3.4.3(a) in relation to all Trading Parties, except (in relation to a particular Trading Party) in a case where BSCCo is aware that such Party has not appointed any of the Volume Notification Agents affected thereby.
- 5.2.6 If any Contract Trading Party or Volume Notification Agent considers that:
- (a) ~~an~~ ECVAA Notification System Failure Incident has occurred which has not been notified under paragraph 5.2.1(b), or
 - (b) the ECVAA has given notice under paragraph 5.2.1(c)(i) at a time at which the ECVAA Notification System Failure Incident has not ended, or
 - (c) (in the case of such an agent, where paragraph 5.2.3 applies) that it was not but should have been informed that it is affected as described in that paragraph;

such Party or agent may so notify BSCCo, not later than the end of the Business Day following the day on which the Party or agent considers that the ECVAA Notification System Failure Incident occurred, or (in a case in paragraph (b)) after the day on which the ECVAA gave notice as therein mentioned.

- 5.2.7 Upon any Party or Volume Notification Agent giving notification to BSCCo in accordance with paragraph 5.2.6:
- (a) BSCCo shall:
 - (i) notify the ECVAA,
 - (ii) promptly investigate the matter, and
 - (iii) determine whether ~~an~~ ECVAA Notification System Failure Incident occurred, or whether the failure had ended, or whether such agent was affected, each as referred to in paragraph 5.2.7;
 - (b) the ECVAA and upon request any Party or Notification Agent shall provide reasonable assistance to BSCCo in such investigation;
 - (c) BSCCo shall promptly notify its findings to all Contract Trading Parties and Volume Notification Agents;
 - (d) BSCCo's determination of such matters shall be final and binding for the purposes of this paragraph 5.2;
 - (e) where BSCCo determines that ~~an~~ ECVAA Notification System Failure Incident has occurred, BSCCo may determine and notify the resubmission deadline at

any time at which it appears to BSCCo that the ECVAA Notification System Failure Incident has ended.

5.3 ECVAA System Withdrawal

5.3.1 Where:

(a) there occurs or has occurred ~~any partial~~:

~~(i) any Notification System Incident involving the failure, breakdown or unavailability of the~~ ECVAA System ~~Failure (that is, such a failure affecting which affects~~ some but not all Volume Notification Agents, and/or ~~affecting affects~~ only the ability of the ECVAA to receive or its ability to confirm receipt (as described in paragraph 5.1.1(e)) of Volume Notifications); and/or

~~(ii) any failure or~~ breakdown or unavailability of the ECVAA System affecting the ability of the ECVAA to provide information of invalidity of Volume Notifications within the timescales contemplated in paragraph 2.3.9(b) and 3.3.9(b)), and

(b) the ECVAA or BSCCo determines (in its reasonable opinion) that, in order to minimise disruption to the smooth and efficient implementation of Contract Trading Parties' operations under this Section P and of Settlement, it is necessary:

(i) to withdraw the ECVAA System from operation in order to remedy such failure ~~or~~ breakdown or unavailability and/or to implement the provisions of paragraph 5.2 (in the case of ~~an ECVAA System Failure a Notification System Incident~~ giving rise to the application of such provisions); and

(ii) to do so earlier than might otherwise be done by way of planned BSC Agent Downtime in accordance with the Communications Requirement Document

then the ECVAA shall withdraw the ECVAA System from operation, for the purposes of remedying the failure ~~or~~ breakdown or unavailability and/or implementing the provisions of paragraph 5.2.

5.3.2 Where the ECVAA withdraws the ECVAA System from operation pursuant to paragraph 5.3.1:

(a) the ECVAA shall, not later than the time of such withdrawal, give notice thereof to BSCCo specifying the time of such withdrawal;

(b) the ECVAA shall restore the ECVAA System to operation as soon as reasonably practicable, having regard to the purposes (described in paragraph 5.3.1(b)) for which it was withdrawn from operation;

(c) in order to enable Volume Notifications to be submitted to the ECVAA in respect of the period of withdrawal, paragraphs 5.1.1(~~fh~~) and 5.2 (excluding paragraphs 5.2.1(a), 5.2.3, 5.2.6 and 5.2.7) shall apply as if references in those paragraphs:

- (i) to the ~~ECVAA Notification~~ System ~~Failure Incident~~ (or the start of such ~~failure incident~~) were to the withdrawal from operation of the ECVAA System;
- (ii) to the end of the ~~ECVAA System Failure Notification System Incident~~ were to the restoration to operation of the ECVAA System.

Clean Version

5. FAILURES OF THE NOTIFICATION SYSTEM

5.1 Introduction

5.1.1 For the purposes of this Section P:

- (a) "**Volume Notification**" means an Energy Contract Volume Notification and/or a Metered Volume Reallocation Notification, and "**Volume Notification Agent**" means an Energy Contract Volume Notification Agent and/or a Metered Volume Reallocation Notification Agent;
- (b) the "**ECVAA System**" is the BSC Agent System of the ECVAA;
- (c) the "**Notification System**" is (in aggregate):
 - (i) the ECVAA System; and
 - (ii) for every Trading Party (and its Notification Agents):
 - (1) the Communications Mediums (and all parts of any system constituting any such medium) by which such Trading Party/its Notification Agents sends and receives Communications to and from the ECVAA, and
 - (2) any part of the relevant Party System
from the ECVAA System to but not beyond the party system boundary; and
 - (iii) any other system or part of a system (up to but not beyond the party system boundary) by which any of the foregoing are connected or Communications transmitted by any of the foregoing are processed or stored;
determined consistent with guidance from time to time issued by BSCCo (and where 'system' includes telecommunications facilities, other equipment, hardware and software, and includes systems for redundancy, contingency and disaster recovery purposes);
- (d) "**party system boundary**" shall be determined as follows:
 - (i) where the Communications Medium comprises dedicated telecommunications facilities (ie the high grade service described in the Communications Requirements Document) the party system boundary means and includes the 'router' which forms part of the Party System (and by which Communications

are routed from and to the Party System) but not any source of power for the router;

- (ii) where the Communications Medium is internet-based (ie the low grade service described in the Communications Requirements Document), the party system boundary means and includes the system (known as the 'internet portal') by which the ECVAA System is connected to the internet;

determined consistent with guidance from time to time issued by BSCCo;

- (e) a "**Notification System Incident**" is a failure, breakdown or unavailability of the Notification System (other than parts of such system not for the time being in use) which has, and for so long as it has, the effect:
 - (i) that all or any Notification Agents are unable to submit to the ECVAA, and/or the ECVAA is unable to receive from all or any such agents, Volume Notifications, and/or (as the case may be)
 - (ii) that the ECVAA is unable to send to all or any Volume Notification Agents, or all or any such agents are unable to receive from the ECVAA, confirmations of receipt by the ECVAA of Volume Notifications within 20 minutes after such receipt;

excluding (as respects any Volume Notification Agent affected thereby, and in relation to parts of the Notification System other than the ECVAA System) such a failure, breakdown or unavailability which was within the reasonable control of that Volume Notification Agent;

- (f) the reference in paragraph (e) to the ECVAA sending confirmations of receipt of Volume Notifications is without prejudice to the provisions of the Communications Requirements Document as to the deemed receipt of such notifications;
- (g) for the avoidance of doubt, no failure or breakdown of any Party System not forming part of the Notification System shall be counted as a Notification System Incident;
- (h) in relation to a Notification System Incident:
 - (i) the "**incident occurrence time**" is the start of the Notification System Incident, or such earlier time as BSCCo may determine as being appropriate for the purposes described in paragraph (i) below and notify to the ECVAA, Contract Trading Parties and Volume Notification Agents;
 - (ii) the "**resubmission deadline**" is the end of the Business Day following the day on which the ECVAA notified BSCCo (in accordance with paragraph 5.2.1(c)(i)) that the Notification System Incident has ended, or such earlier time (not being earlier than such incident ended) or later time as BSCCo may determine as being appropriate for the purposes described in paragraph (i) and notify to the ECVAA, Contract Trading Parties and Volume Notification Agents;
- (i) the purposes referred to in paragraph (h) are to enable Contract Trading Parties and their Volume Notification Agents to take steps to put themselves, so far as is practicable, in the position (as respects the submission of Volume Notifications) in which they would have been had the Notification System Incident not occurred.

5.2 Consequences of Notification System Incident

- 5.2.1 Where a Notification System Incident occurs:
- (a) the ECVAA shall as soon as possible notify BSCCo of the failure and the time at which it started;
 - (b) the ECVAA and BSCCo shall each use all reasonable efforts as soon as practicable to notify all Contract Trading Parties and Volume Notification Agents of the failure and the time at which it started;
 - (c) as soon as practicable after the end of the Notification System Incident:
 - (i) the ECVAA shall notify BSCCo, Contract Trading Parties and Volume Notification Agents that the failure has ended;
 - (ii) BSCCo will notify Contract Trading Parties and Volume Notification Agents that Volume Notifications may be submitted or resubmitted in accordance with paragraph 5.2.2.
- 5.2.2 Where a Notification System Incident has occurred, commencing at the end of such failure, and until the resubmission deadline, Volume Notifications may be submitted or resubmitted to the ECVAA in relation to any Settlement Period for which Gate Closure falls after the incident occurrence time and before the resubmission deadline.
- 5.2.3 Where a Notification System Incident affects (as described in paragraph 5.1.1(e)) the ability of one or more but not all Volume Notification Agents to submit Volume Notifications to the ECVAA or receive confirmation of the receipt thereof by the ECVAA, or the ability of the ECVAA to receive and/or confirm receipt of Volume Notifications from or to one or more but not all Volume Notification Agents:
- (a) the ECVAA shall inform BSCCo which Volume Notification Agent(s) are so affected, and references in paragraph 5.2.1 to Volume Notification Agents shall only be to those agent(s) so affected;
 - (b) paragraph 5.2.2 shall apply only in relation to the affected Volume Notification Agent(s).
- 5.2.4 Any Volume Notification submitted or resubmitted in accordance with paragraph 5.2.2 shall specify the details (as provided in paragraph 2.3.2 or 3.3.2) which were or would (pursuant to commitments made before Gate Closure for any Settlement Period to which such notification relates) have been specified in such notification if it had been submitted before Gate Closure for any Settlement Period to which it relates (and if any question arises in relation to this paragraph 5.2.4, such question shall be decided by the Panel whose decision shall be final and binding on all Parties).
- 5.2.5 For the avoidance of doubt the existence of a Notification System Incident which is known to BSCCo shall constitute a material doubt as referred to in Section M3.4.3(a) in relation to all Trading Parties, except (in relation to a particular Trading Party) in a case where BSCCo is aware that such Party has not appointed any of the Volume Notification Agents affected thereby.

5.2.6 If any Contract Trading Party or Volume Notification Agent considers that:

- (a) a Notification System Incident has occurred which has not been notified under paragraph 5.2.1(b), or
- (b) the ECVAA has given notice under paragraph 5.2.1(c)(i) at a time at which the Notification System Incident has not ended, or
- (c) (in the case of such an agent, where paragraph 5.2.3 applies) that it was not but should have been informed that it is affected as described in that paragraph;

such Party or agent may so notify BSCCo, not later than the end of the Business Day following the day on which the Party or agent considers that the Notification System Incident occurred, or (in a case in paragraph (b)) after the day on which the ECVAA gave notice as therein mentioned.

5.2.7 Upon any Party or Volume Notification Agent giving notification to BSCCo in accordance with paragraph 5.2.6:

- (a) BSCCo shall:
 - (i) notify the ECVAA,
 - (ii) promptly investigate the matter, and
 - (iii) determine whether a Notification System Incident occurred, or whether the failure had ended, or whether such agent was affected, each as referred to in paragraph 5.2.7;
- (b) the ECVAA and upon request any Party or Notification Agent shall provide reasonable assistance to BSCCo in such investigation;
- (c) BSCCo shall promptly notify its findings to all Contract Trading Parties and Volume Notification Agents;
- (d) BSCCo's determination of such matters shall be final and binding for the purposes of this paragraph 5.2;
- (e) where BSCCo determines that a Notification System Incident has occurred, BSCCo may determine and notify the resubmission deadline at any time at which it appears to BSCCo that the Notification System Incident has ended.

5.3 ECVAA System Withdrawal

5.3.1 Where:

- (a) there occurs or has occurred:
 - (i) any Notification System Incident involving the failure, breakdown or unavailability of the ECVAA System which affects some but not all Volume Notification Agents, and/or affects only the ability of the ECVAA to receive or its ability to confirm receipt (as described in paragraph 5.1.1(e)) of Volume Notifications, and/or
 - (ii) any failure, breakdown or unavailability of the ECVAA System affecting the ability of the ECVAA to provide information of invalidity of Volume

Notifications within the timescales contemplated in paragraph 2.3.9(b) and 3.3.9(b)), and

- (b) the ECVAA or BSCCo determines (in its reasonable opinion) that, in order to minimise disruption to the smooth and efficient implementation of Contract Trading Parties' operations under this Section P and of Settlement, it is necessary:
 - (i) to withdraw the ECVAA System from operation in order to remedy such failure, breakdown or unavailability and/or to implement the provisions of paragraph 5.2 (in the case of a Notification System Incident giving rise to the application of such provisions); and
 - (ii) to do so earlier than might otherwise be done by way of planned BSC Agent Downtime in accordance with the Communications Requirement Document

then the ECVAA shall withdraw the ECVAA System from operation, for the purposes of remedying the failure, breakdown or unavailability and/or implementing the provisions of paragraph 5.2.

5.3.2 Where the ECVAA withdraws the ECVAA System from operation pursuant to paragraph 5.3.1:

- (a) the ECVAA shall, not later than the time of such withdrawal, give notice thereof to BSCCo specifying the time of such withdrawal;
- (b) the ECVAA shall restore the ECVAA System to operation as soon as reasonably practicable, having regard to the purposes (described in paragraph 5.3.1(b)) for which it was withdrawn from operation;
- (c) in order to enable Volume Notifications to be submitted to the ECVAA in respect of the period of withdrawal, paragraphs 5.1.1(h) and 5.2 (excluding paragraphs 5.2.1(a), 5.2.3, 5.2.6 and 5.2.7) shall apply as if references in those paragraphs:
 - (i) to the Notification System Incident (or the start of such incident) were to the withdrawal from operation of the ECVAA System;
 - (ii) to the end of the Notification System Incident were to the restoration to operation of the ECVAA System.

ANNEX 3 – RECOMMENDED “NOTIFICATION SYSTEM” DIAGRAMS

Pursuant to section 5.1.1(c)(iii) in the amended BSC contained in Annex 2, the following diagrams sketch out the proposed constituents of the “Notification System”:

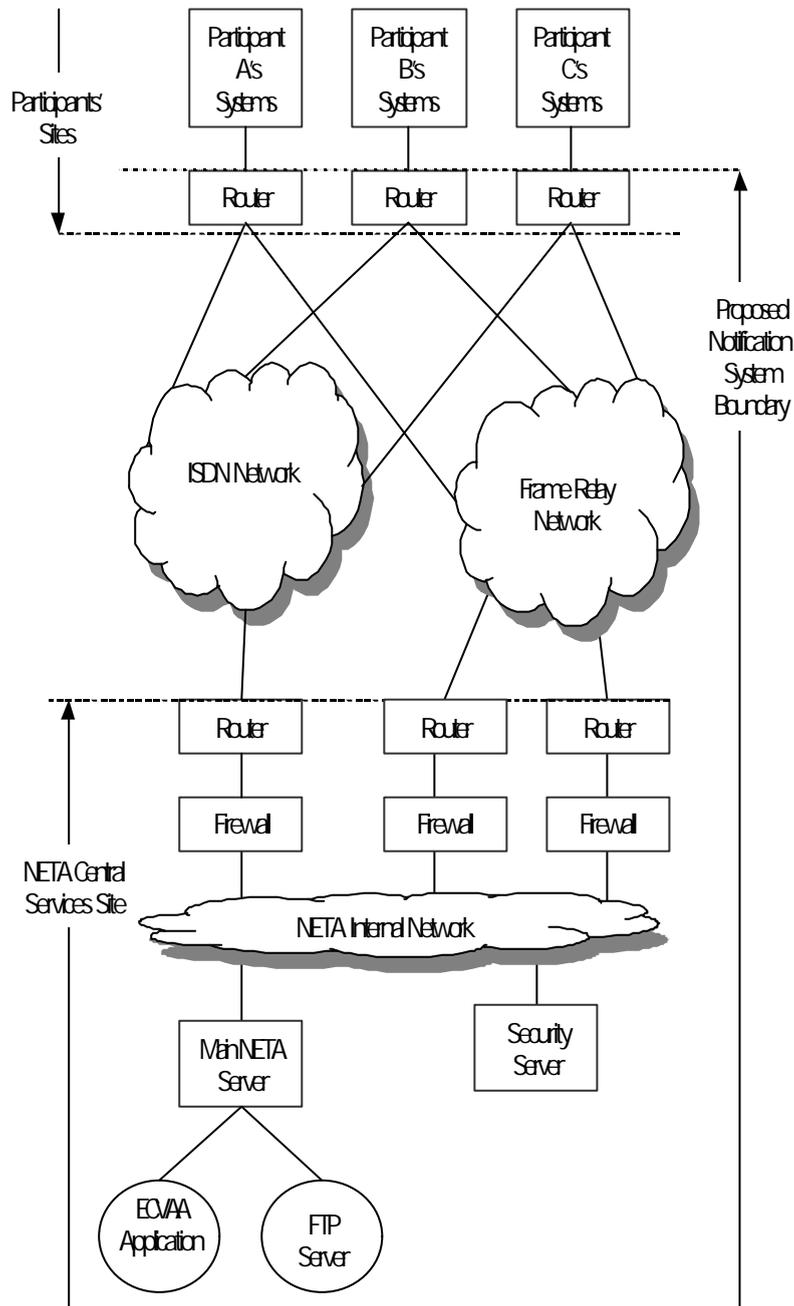


Figure 1 – High Grade Service

The diagram above shows all of the main functional elements of the network, but does not include all elements of the internal network infrastructure at the NETA Central Services site, such as hubs and switches, and does not cover the Disaster Recovery site. Details of these configurations are available in the Logical Communications Strategy document.

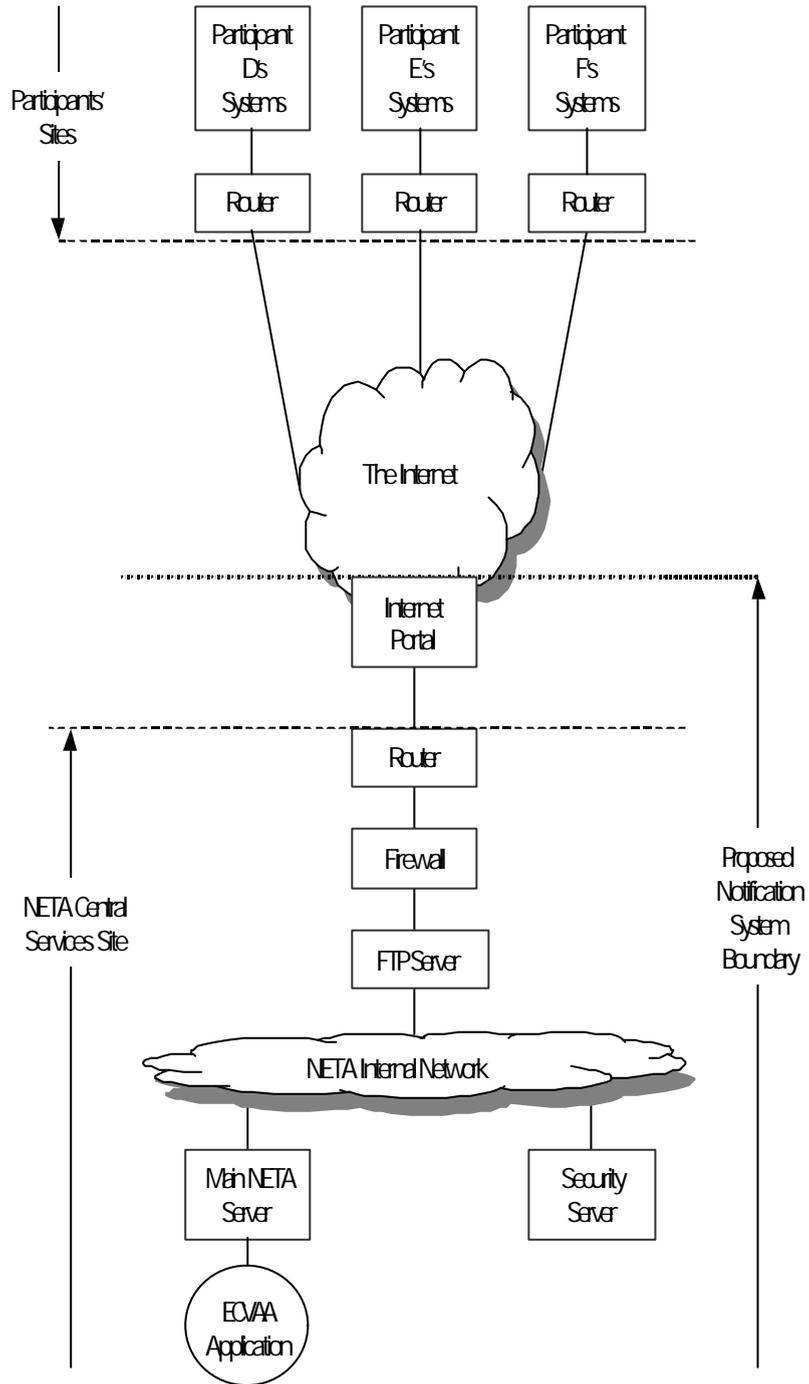


Figure 2 – Low Grade Service

Connections to the Low Grade service use the Internet to access the NETA central systems. The configuration of these connections differs from the High Grade connection in a number of ways, as shown in the diagram above.