STCP Amendment Proposal Form

STCPAP004

1. Title of Amendment Proposal

STCP 04-1 – Incorporation of Outstanding Change Requests

2. Description of the Proposed Amendment ***(mandatory field)***

Incorporation of the following Change Requests that were outstanding at BETTA Go-Live:

C210.

This Change Request is attached at Attachment 1 to this STCP Amendment Proposal Form.

Minor changes to the Headers and Footers within the document are also proposed. These changes serve to ensure that the name of the STCP and its Issue Number and date are clearly visible on all pages. The phrase "UNCONTROLLED WHEN PRINTED" has also been added to the Footer in each page.

The following text has also been inserted before each of the Flow Diagrams within the STCPs clarifying that the text of the STCP has precedence in the event there is any disparity between the text and the flow diagrams:

"Note that the Process Diagrams shown in this Appendix [B] are for information only. In the event of any contradiction between the process represented in this Appendix and the process described elsewhere in this STCP, then the text elsewhere in this STCP shall prevail."

This statement was included in some but not all STCPs during drafting and its inclusion here allows a consistent approach to be taken across all STCPs.

All of the above changes are reflected within the change-marked STCP attached as Attachment 2 to this STCP Amendment Proposal Form.

3. Description of Issue or Defect that Proposed Amendment seeks to Address ***(mandatory field)***

Prior to Go-Live a number of changes to "signed off" STCPs were identified by the User Groups. The incorporation of these Change Requests before Go-Live was not however deemed by the same User Groups as critical for Go-Live and it was agreed between the Parties that such Change Requests should be considered and where appropriate incorporated within the STCP following Go-Live. This STCP Amendment Proposal therefore summarises the outstanding Change Requests for this STCP and outlines draft legal text that would give effect to those outstanding Change Requests.

4. Impact on the STC *(information should be given where possible)*

Effects on STCP 04-1 Real Time Data Change Management Issue 001 are as detailed in the Change Marked version attached at Attachment 2 to this STCP Amendment Proposal.

5. Impact on other frameworks e.g. CUSC, BSC *(information should be given where possible)*

NONE

6. Impact on Core Industry Documentation *(information should be given where possible)*

NONE

7. Impact on Computer Systems and Processes used by STC Parties ***(information should be given where possible)***

NONE

8. Details of any Related Modifications to Other Industry Codes ***(where known)***

NONE

9. Justification for Proposed Amendment with Reference to Applicable STC Objectives ***(mandatory field)***

Although these changes were not deemed as critical for Go-Live it is the view of the proposer that should these Change Requests now be incorporated within STCP 04-1 this would better facilitate the following Applicable STC Objectives:

- the development, maintenance and operation of an efficient, economical and co-ordinated system of electricity transmission
- protection of the security and quality of supply and safe operation of the GB Transmission System insofar as it relates to the interactions between transmission licensees
- promotion of good industry practice and efficiency in the implementation and administration of the arrangements described in the STC.

Details of Proposer Organisation's Name	National Grid Company plc
Capacity in which the Amendment is being proposed (i.e. STC Party or other Party as designated by the Authority pursuant to STC section B7.2.2.1 (b))	STC Party
Details of Proposer's Representative Name Organisation Telephone Number Email Address	 Mark Duffield National Grid Company plc 01926 654971 mark.duffield@ngtuk.com
Details of Representative's Alternate Name Organisation Telephone Number Email Address	 Lilian Macleod National Grid Company plc 01926 656368 lilian.macleod@ngtuk.com
Attachments (Yes/No): Yes If yes, title and number of pages of each attachment: Attachment 1 (xx Pages): Original Change Requests Attachment 2 (xx Pages): Revised legal text for STCP 02-1: Alarm and Event Management	

Notes:

1. Those wishing to propose an Amendment to the STC should do so by filling in this "Amendment Proposal Form" that is based on the provisions contained in Section 7.2 of the STC.

2. The Committee Secretary will check that the form has been completed, in accordance with the requirements of the STC, prior to submitting it to the Committee. If the Committee Secretary accepts the Amendment Proposal form as complete, then she/he will write back to the Proposer informing them of the reference number for the Amendment Proposal and the date on which the Committee will consider the Proposal. If, in the opinion of the Committee Secretary, the form fails to provide the information required in the STC, then he/she may reject the Proposal. The Committee Secretary will inform the Proposer of the rejection and report the matter to the Committee at their

next meeting. The Committee can reverse the Committee Secretary's decision and if this happens the Committee Secretary will inform the Proposer.

The completed form should be returned to:

Lilian Macleod
STC Committee Secretary
Commercial Frameworks
National Grid Company plc
NGT House
Warwick Technology Park
Gallows Hill
Warwick, CV34 6DA

Or via e-mail to: STCTeam@uk.ngrid.com

Attachment 1: Incorporated Outstanding Change Requests

ID	Raised On	Originating Body	Description	Affected Category 2 Documents	Business Owner	CDA Owner	Status	DG1	Last Updated	Comments
C210	07-Mar-05	CRUG	Changes required to reflect the agreed comments as described in the CDA Consistency Form dated 13th January 2005 relating to STCP4-1, Issue 1.	STCP4-1 Real Time Data Change Management, Issue 1	David Pritchard	Nadim Al-Hariri	Accepted	X	7-Mar-05	07Mar05: CR raised 07Mar05: CRUG accepted the CR

Change Request

(Yellow Shaded Boxes For CDA Use Only)

CDA CR ID	C210	**Status**[1]	Accepted	
Company CR ID		**Associated CR's**		
Description of Change				
Changes required to reflect the agreed comments as described in the CDA Consistency Form dated 13th January 2005 relating to STCP4-1, Issue 1.				
Reasons for Change				
To reflect the comments agreed by CRUG that were raised within the CDA Consistency checks. The forms are attached.				
Affected Category 2 Document(s)[2]			**DG's Informed**	
STCP4-1 Real Time Data Change Management, Issue 1			CRUG	
Originating Body[3]	CRUG		**HLIA ID**	
Raised On	7th March 2005		**DLIA ID**	
Business Owner	David Pritchard		**Time Impact**[4]	
CDA Owner	Nadim Al-Hariri		**Effort Impact**[5]	
***CRUG* Action**				
07Mar05: CR raised 07Mar05: CRUG accepted the CR				
Change Request Source Document				
STCP4-1 Consistency Form.doc				
Document Version Included In				
To Be Included In	☐ Testing	☐ STCP Drafting	☑ Post "Go-Live"	

[1] One of *Raised, HLIA Submitted, DLIA, DLIA Submitted, Accepted, Rejected or Pending.*

[2] Identifies the directly affected Category 2 documents. A full list of affected Category 1 & 2 documents will be identified by the HLIA.

[3] One of DG1, DG2, DG3, DG4, Ofgem/DTI or Companies.

[4] One of Red (impact on critical path), Amber (impact on plan but not critical path) or Green (no impact on plan)

[5] One of High (>5 Working Days), Amber (>1 and <5 Working Days) or Green (<1 Working Day)

Category 2 Document Consistency Form

Consistency Form Status	Issued	**Consistency Form Version**	**I1.0**
Document Name	STCP4-1 Real Time Data Change Management	**Version**	**Final Draft 21/12/04**
		Review Ref	**1**
Reviewer	Tony Mason	**Date**	13/01/05
Checked by	Nadim Al-Hariri	**Date**	13/01/05

Category 2 Documents – *Detailed Level Processes and STCPs*

***C**: Indicates documents have been checked for consistency and **no action required**.*

***A**: Indicates documents have been checked for consistency and **action may be required**.*

***N**: Indicates documents are related but **are unavailable** to be checked for consistency.*

DG	Id	Issue	STCP/ DL	Name	Action
1	4-1	-	-	Internal Consistency	A
0	-	Designated	-	SO-TO Code	C
1	19-4	-	STCP	Commissioning/Decommissioning	N
1	4-3	-	STCP	Provision of Real Time Data	N
1	4-2	-	STCP	Real Time Datalink Management	N
0	_	09/03/04	-	STC Procedure Drafting Guidelines	C

Key:

Cat (Category of comment)
I Inconsistency comment
C Other type of comment
Q Question

Type (Type of comment)
O Inconsistent with Other doc.
D Inconsistent within review doc.
F Clarification/Format/ Grammatical

Sevty (Impact Severity)
H(igh) e.g. Process will not work
M(edium) e.g. Work-a-round required
L(ow) e.g. Cosmetic

Eff (Effort to correct)
H(igh) More than 4 hours
M(edium) More than 10 minutes but less than 4 hours
L Up to 10 minutes

Consistency Form Status
Author Review - Sent to Author for review
Owning DG Review - Sent to owning DG for agreed actions
Other DG Review - Sent to other DG's affected for agreeing actions
Issued - Issued

Category 2 Document		*Internal Consistency*			Version		N/A
Id	**Sect**	**Comment**	**Cat**	**Type**	**Sevty**	**Effort**	**Proposed/Agreed Action**
1	**Typos**	3.1.1 – point number. This is termed point id in 3.2.4 and Appendix D 3.3.2 – "3.1 and 3.2" should read "3.2 and 3.3"	C	F	L	L	Proposed Action: Not required for Go live. Change request required. Agreed Action: Agree to proposed action
2	**Swim lane**	The published swim lanes were produced from an earlier version of the process and don't appear to have been updated. The attached swim lane has been designed to reflect the published STCP. C:\Tony Mason\ BETTA\DG1\4-1 sl\STC	I	D	L	M	Proposed Action: Possibly not required for Go live. Change request required. Agreed Action: Agree to proposed action I have amended the SWIM lane and have no problem with the version in this document. The SWIM lane currently in the STCP is incomplete.

Attachment 2: Revised Legal Text for STCP 04-1 Real Time Data Change Management

Document Ref: STCP4-1 Real Time Data Change Management

Produced from DG Process:

STC Procedure Document Authorisation

Company	Name of Representative	Signed off (date)
Ofgem		
NGT		
SP		
SSE		

STC Procedure Change Control History

Issue 001	21/12/2004	BETTA Go-Live Version
Issue 002	20/04/2005	Issue 002 incorporating STCPAP004

Outstanding issues to be resolved post company sign-off

1. Dispute resolution process – further details if needed
2. Assess 19-4 to confirm conformity
3. Decision on referencing of gridcode

Outstanding issues to be resolved prior to company sign-off

Questions for DG1/UG:

1. Is Interface Equipment, as defined in STCP 18-5, a suitable definition for Data Transmission Equipment? This is a common term used across many STCPs.

UNCONTROLLED WHEN PRINTED

1 Introduction

1.1 Scope

~~3.1.4~~1.1.1 It is essential that all changes to real time data that involve modification to SCADA databases or displays are reported to, and co-ordinated with, affected Party(s). Affected Parties must be notified of changes in sufficient time to permit sufficient discussions to manage change effectively.

~~3.1.4~~1.1.2 This document applies to NGC and the TO for real time data changes brought about by events such as:

- new Plant and/or Apparatus connected to the GB Transmission System;
- Plant and/or Apparatus reconnected to the GB Transmission System;
- Plant and/or Apparatus disconnected from the GB Transmission System;
- changes to Protection Apparatus or control equipment;
- changes to numbering or nomenclature of existing Plant and/or Apparatus;
- temporary changes made to the GB Transmission System;
- emergency changes to the GB Transmission System;
- User's System changes; and
- any other changes

that require modification to the NGC and TO SCADA database displays.
~~3.1.4~~

~~3.1.4~~1.1.3 This procedure applies to NGC and each TO.

~~3.1.4~~1.1.4 For the purposes of this document, TOs are:

- SPT; and
- SHETL.

~~3.1.4~~1.1.5 At NGC sites that connect with SPT sites, certain real time data is provided to SPT via local Data Transmission equipment that is owned and maintained by SPT. Any changes that may affect this data are subject to the provisions of this document.

~~3.1.4~~1.1.6 TO - TO data change management is outside the scope of this document. It is anticipated that a similar procedure shall be followed.

~~3.1.4~~1.1.7 The procedure for the management of the Datalink is detailed in STCP 4-2 (Real Time Datalink Management) and is outside the scope of this document.

1.2 Objectives

~~3.1.4~~1.2.1 This document specifies the requirements and responsibilities placed on NGC and TOs for ensuring that changes to real time data and displays are captured and made available to the other affected Parties in good time.

1.3 General Provisions

~~3.1.4~~1.3.1 The change management process for SCADA data shall apply during the Commissioning and De-commissioning process (see STCP 19-4) and shall also apply to changes to equipment outside the scope of the Commissioning and De-commissioning process.

UNCONTROLLED WHEN PRINTED

~~3.1.4~~1.3.2 The TOs and NGC shall each nominate a contact point for data co-ordination, including a dedicated email account, to facilitate data co-ordination between NGC and TOs.

~~3.1.4~~1.3.3 Communication of TO SCADA database changes shall be through a pro-forma providing a description of the change and a real time data spreadsheet detailing the actual changes to the data points. The format and content of the pro-forma as agreed from time to time is in Appendix C. Similarly, the format and content of the real time data spreadsheet as agreed from time to time is in Appendix D.

~~3.1.4~~1.3.4 Parties will acknowledge receipt of data via the agreed contact points.

~~3.1.4~~

2 Key Definitions and Interpretation

2.1 The following definitions apply for the purposes of this document:

~~3.1.4~~2.1.1 **Data Transmission Equipment** means equipment that collects indications and data from an NGC site and relays it the relevant TO through a communications route.

~~3.1.4~~

3 Procedure

3.1 Changes not associated with Plant and/or Apparatus

~~3.1.4~~3.1.1 Following changes to SCADA real time data that are not associated with Plant and/or Apparatus, such as modifications to an outstation or a database legend change, the TO shall prepare a pro-forma (Appendix C) identifying the change and provide a supporting real time data spreadsheet (Appendix D) listing the changes made to the SCADA database including the relevant point number, record number, attributes and date of change. Where relevant an operational or display diagram shall also be included.

~~3.1.4~~3.1.2 The information detailed in 3.1.1 shall be sent by the nominated TO contact point to the nominated NGC contact point as soon as reasonably practicable, which shall normally be not less than 4 weeks in advance of the implementation date. NGC shall provide acknowledgement of receipt of the relevant information to the TO via the agreed contact point. NGC shall ensure that its database is updated in line with the supplied information.

~~3.1.4~~3.1.3 Where NGC requires changes to real time data at NGC sites where the TO has Data Transmission Equipment installed NGC shall identify the changes and provide the information to the TO using the pro forma Appendix C via the respective contact point, to enable changes to be made to the TO SCADA database. Where relevant an operational or display diagram shall also be included.

3.1.4 NGC shall notify the relevant TO(s) of any User initiated changes of which NGC has been made aware and which may require modification to that TO database or displays. Notification shall take place as soon as reasonably practicable which shall normally be not less than 4 weeks in order to allow sufficent time for the TO to satisfy its obligations under 3.1.1 and 3.1.2. NGC shall co-ordinate the change process between all parties.

~~3.1.4~~3.1.5 Appropriate and timely testing shall be completed using agreed points of contact, at the request of either party, to validate the transmission of real time data from the TO to NGC following changes made to either or both the TO and NGC database.

3.2 Commissioning / De-Commissioning

UNCONTROLLED WHEN PRINTED

~~3.1.4~~3.2.1 STCP 19-4 Commissioning / De-Commissioning specifies the process for initiating and completing changes to the GB Transmission System. Changes to real time data are an essential part of that process.

~~3.1.4~~3.2.2 The key dates in the Plant and/or Apparatus change process are:

- the planned date on which equipment becomes subject to or is removed from the TO safety rules
- the planned date of commissioning or de-commissioning of equipment

~~3.1.4~~3.2.3 The TO and NGC shall plan the change process to allow sufficient time for all parties to evaluate and co-ordinate the changes. This shall normally be not less than 6 weeks prior to the planned database change implementation date that aligns with the key dates in 3.2.2

~~3.1.4~~3.2.4 The TO shall supply the relevant real time data (specified in STCP 4-3: Provision of Real Time Data) via the respective contact point. This shall be in the format specified in 3.1.1 showing the proposed / amended /deleted data, including point ID, record number and associated attributes and proposed date of change. Where applicable operational and or display diagrams shall be supplied.

~~3.1.4~~3.2.5 NGC shall supply the TO, via the agreed contact point, details of any changes to the real time information (specified in STCP 4-3) for NGC sites that contain TO Data Transmission Equipment using Appendix C. Where applicable operational and or display diagrams shall be supplied.

~~3.1.4~~3.2.6 Where major changes to the GB Transmission System are to take place in stages, the TO shall provide data relevant to each stage of the change along with the proposed implementation dates.

~~3.1.4~~3.2.7 As soon as reasonably practicable, NGC shall notify the relevant TO(s) of any User initiated Commissioning / De-commissioning of which they have been made aware that may require amendment to the TO SCADA database and/or operational / display diagrams.

~~3.1.4~~3.2.8 All real time data changes associated with Commissioning/ De-Commissioning on the TO Transmission System or User System shall be the subject of close liaison between NGC and the TO in order to ensure that changes are co-ordinated. All Parties shall agree the time and date of implementation.

~~3.1.4~~3.2.9 The TO shall ensure transmission of real time data to the Datalink in accordance with STCP 4-2 (Real Time Datalink Management).

~~3.1.4~~3.2.10 In order to validate the transmission of alarms and indications from the TO appropriate and timely testing shall be undertaken using agreed points of contact, at the request of either party, following changes made to either or both the TO and NGC database

3.3 *Emergency Changes*

~~3.1.4~~3.3.1 Emergency changes are those required at very short notice to accommodate modifications initiated by events such as:

- emergency re-configuration of the GB Transmission System
- urgent changes in control time scales.

~~3.1.4~~3.3.2 When NGC or the TO is made aware of emergency changes in real time data that must be implemented in a shorter timescale than that specified as normal, the process detailed in 3.2 and 3.3 shall still be followed wherever reasonably practicable.

4 Dispute Resolution

~~3.1.4~~4.1.1 Dispute resolution procedure inline with STC XXXXXX

Appendices

Appendix A: General Terms/Conditions

A1: Terminology/Abbreviations

NGC	National Grid Company
TO	Transmission Owner
SPT	Scottish Power Transmission Ltd
~~3.1.4~~SHETL	Scottish Hydro Electric Transmission Ltd
~~3.1.4~~SCADA	Supervisory Control and Data Acquisition

A2: Definitions

STC definitions used:

- User
- GB Transmission System

CUSC definitions used:

- Plant
- Apparatus

Grid Code Definitions Used

Protection Apparatus

Definitions used in the document that are covered in other STCPs

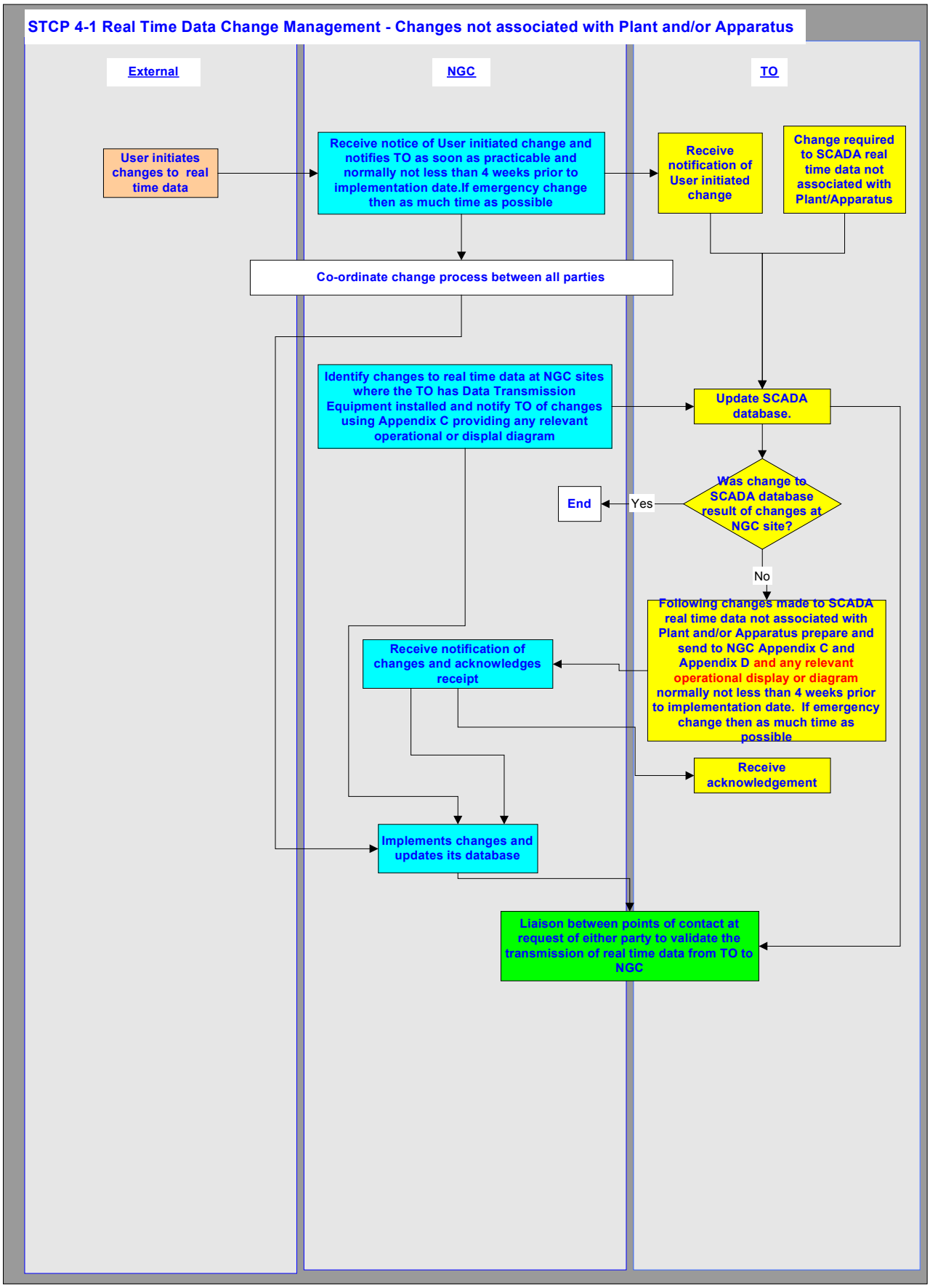
Datalink is as defined in STCP 4-2.

UNCONTROLLED WHEN PRINTED

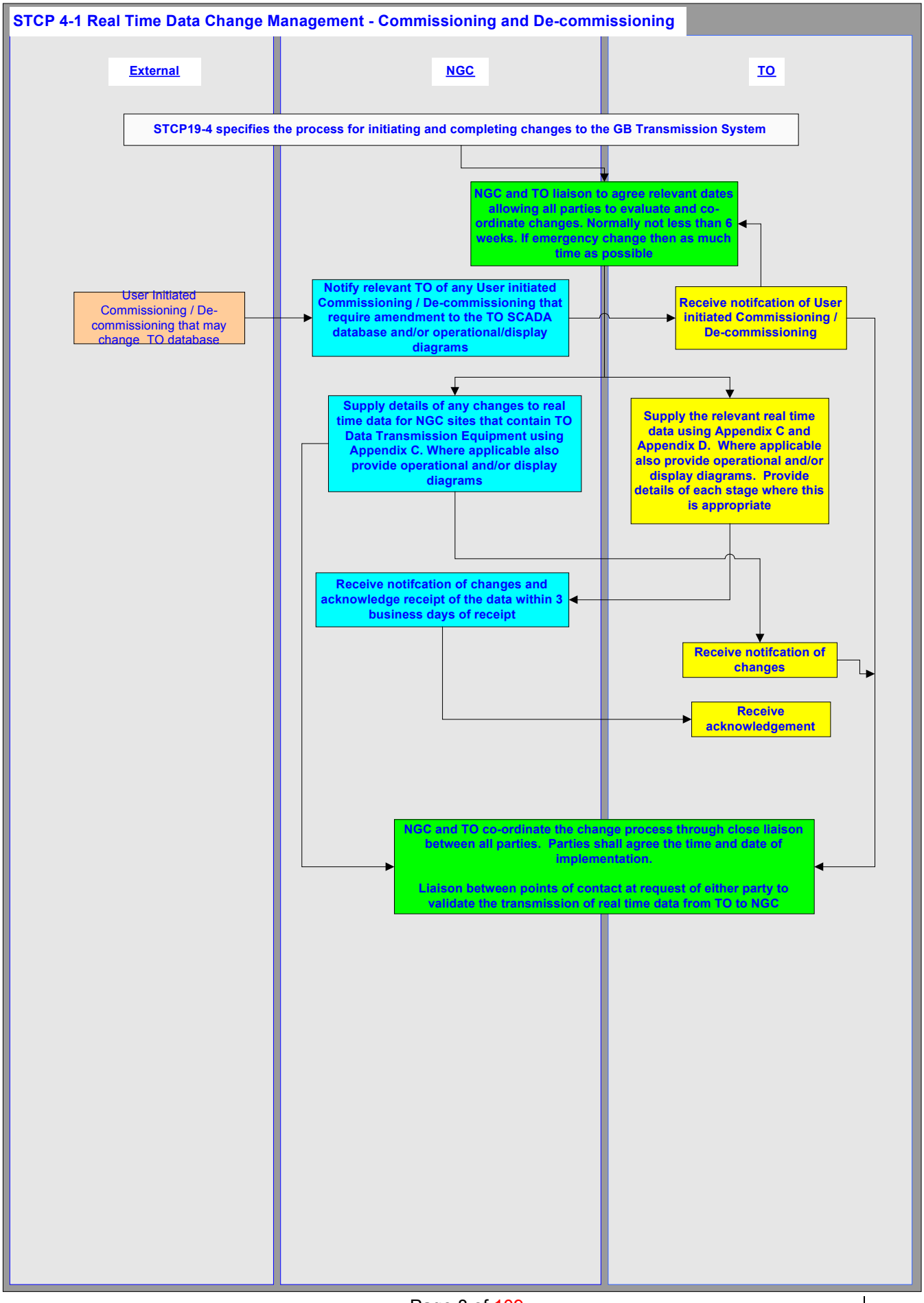
Appendix B: Flow Diagram

Note that the Process Diagrams shown in this Appendix B are for information only. In the event of any contradiction between the process represented in this Appendix and the process described elsewhere in this STCP, then the text elsewhere in this STCP shall prevail.

UNCONTROLLED WHEN PRINTED



UNCONTROLLED WHEN PRINTED



UNCONTROLLED WHEN PRINTED

Appendix C: ***Modification of Facilities Certificate***

Initiated by (Print Name)…… … Contact No……..	Initiators Change Request No	Company
Date issued…… .. Date of Implementation…… Target Date for Testing… ……..		
Description of Required Change Y/N	Diagram/Description of required change	
Display Change Display / Circuit Name/ Number		

UNCONTROLLED WHEN PRINTED

Appendix D: Sample Real Time Data Spreadsheet

S/S	display digits	engunits	exdesc	point id	point source	point type	rec no	span	step	typical value	zero
xxxxxx											
xxxxxx	2	AMPS	xxxxxx	22106	E	float32	22098	1400	1	1400	0
xxxxxx	0	AMPS	xxxxxx	136791	E	float32	76917	500	1	500	0
xxxxxx	2	MVAR	xxxxxx	22566	E	float32	22550	300	1	300	-150
xxxxxx	2	MW	xxxxxx	22567	E	float32	22551	89	1	89	1
xxxxxx	0	AMPS	xxxxxx	22591	E	float32	22575	1400	1	1400	0
xxxxxx	2	MVAR	xxxxxx	22610	E	float32	22594	300	1	300	-150
xxxxxx	2	MW	xxxxxx	22611	E	float32	22595	800	1	800	-400
xxxxxx	0	AMPS	xxxxxx	22681	E	float32	22665	800	1	800	0