STCP Amendment Proposal Form

PA036

1. Title of Amendment Proposal

STCP 09-2 – Incorporation material currently within SPT SCS and making standard for both TOs.

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

Arrangements for the management of fault levels on the Scottish transmission systems to facilitate safe operation of these transmission systems

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

Prior to go-live arrangements were agreed between SPT and NGC in respect of management of fault levels. As a temporary expedient they were put into the SPT SCS. The parties consider that the matters would better be placed within the STCPs

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

None

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)*

NGET currently supply fault level studies on a daily basis. This amendment would require them to send similar studies to SHETL as well

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)***

Changes that are proposed are currently agreed between SPT and NGC in respect of management of Service Capability Limits. Putting the changes into the STCP would better facilitate the following Applicable STC Objectives

- Protection of the security and quality of supply and safe operation o fthe 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	SP Transmission Ltd
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	David Nicol SP Transmission Ltd 01698 413504 david.Nicol@scottishpower.com
Details of Representative's Alternate Name Organisation Telephone Number Email Address	David McMenemy SP Transmission Ltd 0141 776 2431 david.mcmeney@sppowersystems.com
Attachments (Yes/No): Yes Attachment 1: Revised Legal Text for STCP 09-2	

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
   NGT House
   Warwick Technology Park
   Gallows Hill
   Warwick, CV34 6DA

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

Attachment 1: Revised Legal Text for STCP 09-2 Public and Site Safety

STCP 09-2 Issue 002 Public and Site Safety

STC Procedure Document Authorisation

Company	Name of Party Representative	Signature	Date
National Grid Company plc			
SP Transmission Ltd			
Scottish Hydro-Electric Transmission Ltd			

STC Procedure Change Control History

Issue 001	09/12/2004	BETTA Go-Live Version
Issue 002	04/07/2005	Issue 002 incorporating PA023
Issue 003	23/09/2005~~T BA~~	Incorporating PA036~~.. defn changes & fault level management???~~

1 Introduction

1.1 Scope

1.1.1 This procedure applies to NGC and each TO and describes the processes required to be established by NGC and each TO:

- to maintain public and site safety on a TO's Transmission System; and
- to ensure appropriate actions are taken in response to safety information received regarding a TO's Transmission System.

1.1.2 The following are outside the scope of this document:

- the application of safety measures for TO circuits released from service by a Transmission Status Certificate, which rests with the relevant TO and Users; and
- the arrangements necessary between NGC and each TO to ensure the User compliance regarding safety matters, including Users' Grid Code obligations.

1.1.3 NGC and each TO recognise that safety is of paramount importance and that all decisions and actions shall be taken in light of this.

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

- SPT; and
- SHETL.

1.2 Objectives

1.2.1 The objectives of this document are to outline the roles and responsibilities of NGC and each TO for the management of public and site safety, including those required for:

- safeguarding life;
- communications with the public;
- communications with the emergency services;
- communications with TO staff and contractors;
- re-energisation policy;
- site safety;
- potential switchgear over-stressing; and
- the number of circuit breaker operations permissible before maintenance.

2 Key Definitions

2.1 For the purposes of STCP09-2:

2.1.1 **Event** and **Safety Rules** are~~is~~ as defined in the Grid Code as at the Code Effective Date and for the purposes of this STCP only, not as defined in the STC.

3 Public and Site Safety

3.1 *Safeguarding Life*

3.1.1 Upon receipt of a communication concerning site or public safety within their licensed area, a TO shall follow its risk assessment processes, operational procedures and guidelines to decide and, where appropriate, implement actions required to ensure and/or maintain acceptable levels of safety as far as reasonably practicable.

3.1.2 When immediate action is required to safeguard life, Plant and/or Apparatus a TO may de-energise the necessary Plant and/or Apparatus without reference to NGC or Users even if the de-energisation of such Plant and/or Apparatus will result in the loss of generation and/or Demand.

3.1.3 When requested by User to carry out an immediate action to de-energise User controlled plant in order to safeguard life, Plant and/or Apparatus a TO may operate the necessary Plant and/or Apparatus without reference to NGC or another User even if the de-energisation of such Plant and/or Apparatus will result in the loss of generation and/or Demand.

3.1.4 Where any actions identified pursuant to section 3.1.2 or 3.1.3 would, if implemented, result in the TO's Transmission System operating outside of the relevant security standards, then the TO shall wherever practicable, liaise with NGC as part of the risk assessment process before implementing such actions. The risk assessment process should take into account the potential wider safety and system impacts of these actions. For the avoidance of doubt, this does not preclude the TO from switching TO Plant and/or Apparatus out of service in order to safeguard life, Plant and/or Apparatus without the agreement of NGC.

3.1.5 A TO shall contact NGC without delay following any actions taken pursuant to section 3.1.2, section 3.1.3 or section 3.1.4. Once contact is established with NGC, the TO shall inform NGC of the relevant Event(s) and any actions taken pursuant to section 3.1.2, section 3.1.3 or section 3.1.4. NGC and the TO shall then agree any further post Event actions where appropriate. Following such consultation between NGC and the TO, NGC shall be responsible for any post Event liaison with Users, where appropriate, regarding the actions taken pursuant to section 3.1.2, section 3.1.3 or section 3.1.4.

3.1.6 Where time allows liaison shall take place between a TO and NGC to discuss and agree any actions on that TO's Transmission System required to safeguard life, Plant or Apparatus. Such agreed actions shall be implemented in accordance with STCP 01-1: Operational Switching. NGC will be responsible for liaising with User(s), where applicable and where time allows, to mitigate the impact of any such actions upon User(s), before any release of TO Plant and/or Apparatus from operational service pursuant to this section 3.1.6.

3.2 Communications

3.2.1 Each TO is responsible for the management of all communications regarding public and site safety on the TO's Transmission System between that TO and members of the public, the emergency services and local authorities. All public emergency calls shall be directed to the relevant TO call centre or TO control room as appropriate.

3.2.2 When NGC receives information that may have site or public safety implications on a TO's Transmission System, NGC shall advise the relevant TO immediately. For the avoidance of doubt, the relevant TO shall be responsible for the management of further communications where required regarding site or public safety following the notification of information pursuant to this section 3.2.2 by NGC to the relevant TO.

3.2.3 When a TO receives information that may have site or public safety implications on another TO's Transmission System, the TO shall advise the other TO immediately. For the avoidance of doubt, the TO that owns the TO's Transmission System impacted by the information relating to site or public safety shall be responsible for the management of further communications where required regarding site or public safety following the notification of information pursuant to this section 3.2.3 by a TO to the other TO.

3.3 Re-energisation Policy

3.3.1 Following the automatic or manual de-energisation of a TO's Plant and/or Apparatus the TO shall assess and determine the availability of such Plant and/or Apparatus in accordance with the relevant TO policy and procedures. These TO policies and procedures are outlined in Appendix A of STCP 02-1: Alarm Event and Fault Management.

3.3.2 When the TO determines that such de-energised Plant and/or Apparatus is available for re-energisation the TO shall inform NGC as soon as reasonably practicable in accordance with STCP 02-1 Alarm and Event Management and STCP 04-4 Provision of Asset Operational Information.

3.4 Site Safety

3.4.1 All site safety issues other than those contained within STC Section C, Part One, Paragraph 6 are the responsibility of each TO. Such site safety issues for which each TO is responsible include, but are not limited to:

- Safety Rules;
- procedures relating to site safety issues;
- authorisations; and
- site access restrictions.

3.4.2 Each TO shall notify NGC, of all relevant safety bulletins, technical limitations, operational restrictions, special network arrangements or any other related document as appropriate at each site. NGC and each TO shall ensure compliance with these notifications in the planning and instruction of actions in accordance with STCP 01-1: Operational Switching.

3.4.3 NGC shall be responsible for ensuring that the GB Transmission System is operated in such a way that Plant and Apparatus is not operated or potentially (with respect to licence security standards) operated outside its TO specified (normal & enchanced capability) rating. The TO will support this process through the provision of the Services Capability Specification, changes to the Operational Capability Limits and other operational information known to the TO and agreed as relevant with NGC.

3.5 Switchgear

3.5.1 NGC shall inform the relevant TO of any User's permanent or temporary permission to operate that User's switchgear in excess of its specified normal or enhanced capability rating as appropriate and of any restrictions or safety bulletins that shall be applied when operating that User's switchgear in excess of its specified normal or enhanced capability rating.

3.6 Management of Fault Levels

3.6.1 In assessing compliance of fault levels against the fault capabilities of breakers and substations the following conditions apply

3.6.2 NGC shall use Good Industry Practice in creating and running fault level studies in respect of the expected maximum fault levels on each TO Transmission System. These studies shall be carried out at least daily. The studies shall also be updated by NGC whenever (applying Good Industry Practice) the condition of, or the running arrangements of the GB Transmission System have changed such that the previous expected maximum fault levels on a TO Transmission System are no longer valid. NGC shall share the results of a study for each TO's Transmission System on a daily basis with the relevant TO and whenever reasonably requested by a TO. Sharing results will both demonstrate compliance and facilitate appropriate comparison of results to be carried out from time to time.

3.6.3 Under these conditions, the Parties agree that NGC shall be compliant with the requirement to operate each TO's Transmission System within the technical limits of the SCS (and any relevant OCLs) in respect of fault levels provided that the results of these studies show that Transmission System is being operated such that the fault levels are less than 100% of the relevant technical limits. If comparison of the NGC results and a TO's calculations cause the TO concern, then the TO will explicitly submit OCLs for fault capability with an appropriate safety margin, until such concerns are mutually resolved.

~~3.6~~3.7 Circuit Breaker Operations

~~3.6.1~~3.7.1 The TO shall monitor the number of circuit breaker operations and use reasonable endeavours to advise NGC of any circuit breaker that is approaching the maximum number of circuit breaker operations. An overview of the TO policies and procedures used to manage this process is contained within Appendix A of STCP 02-1: Alarm and Event Management.

~~3.6.2~~3.7.2 To increase the number of permissible operations above the advised maximum level of circuit breaker operations, NGC must request and be granted permission from the relevant TO. A record of such agreement shall be logged by NGC and the relevant TO.

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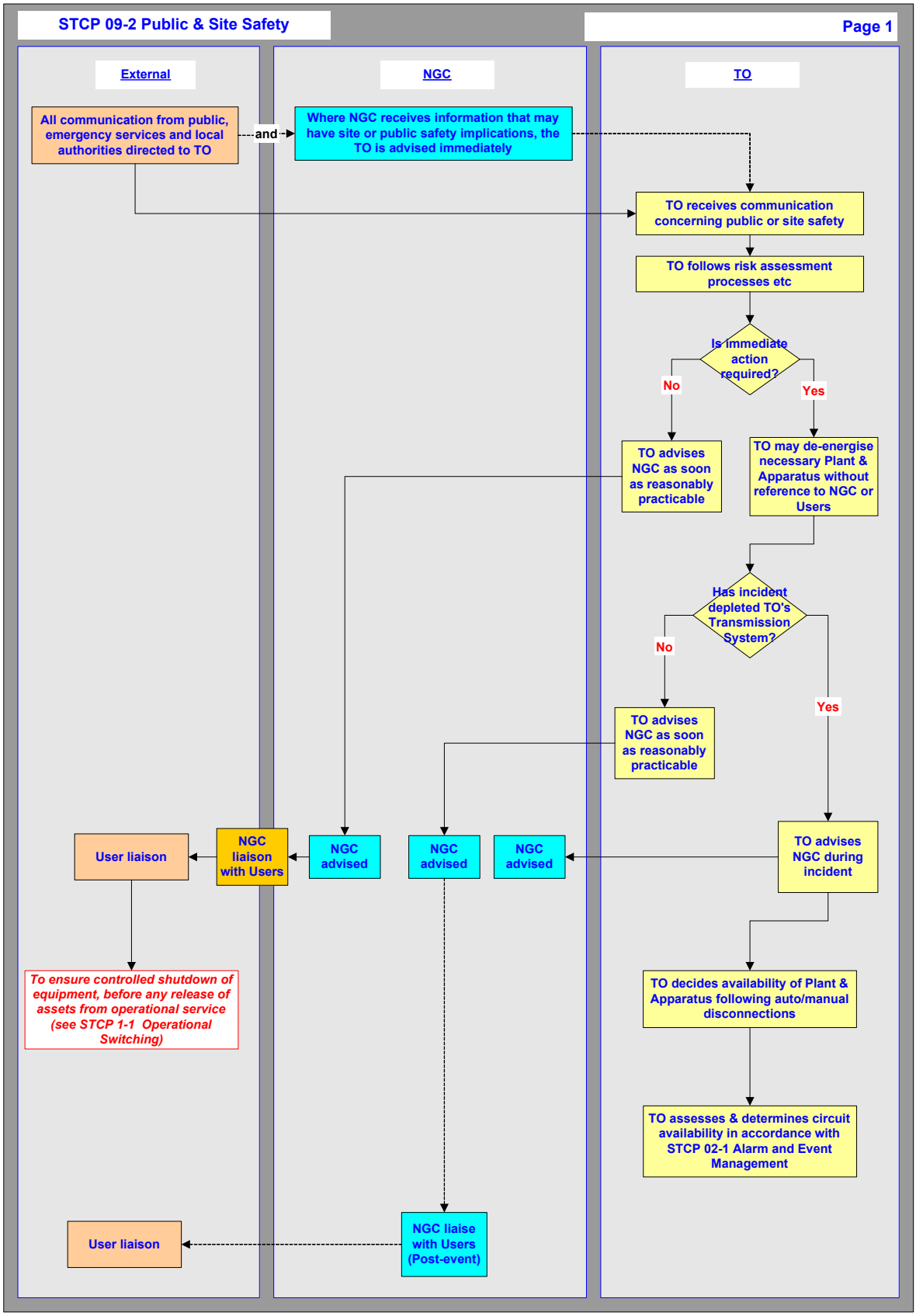
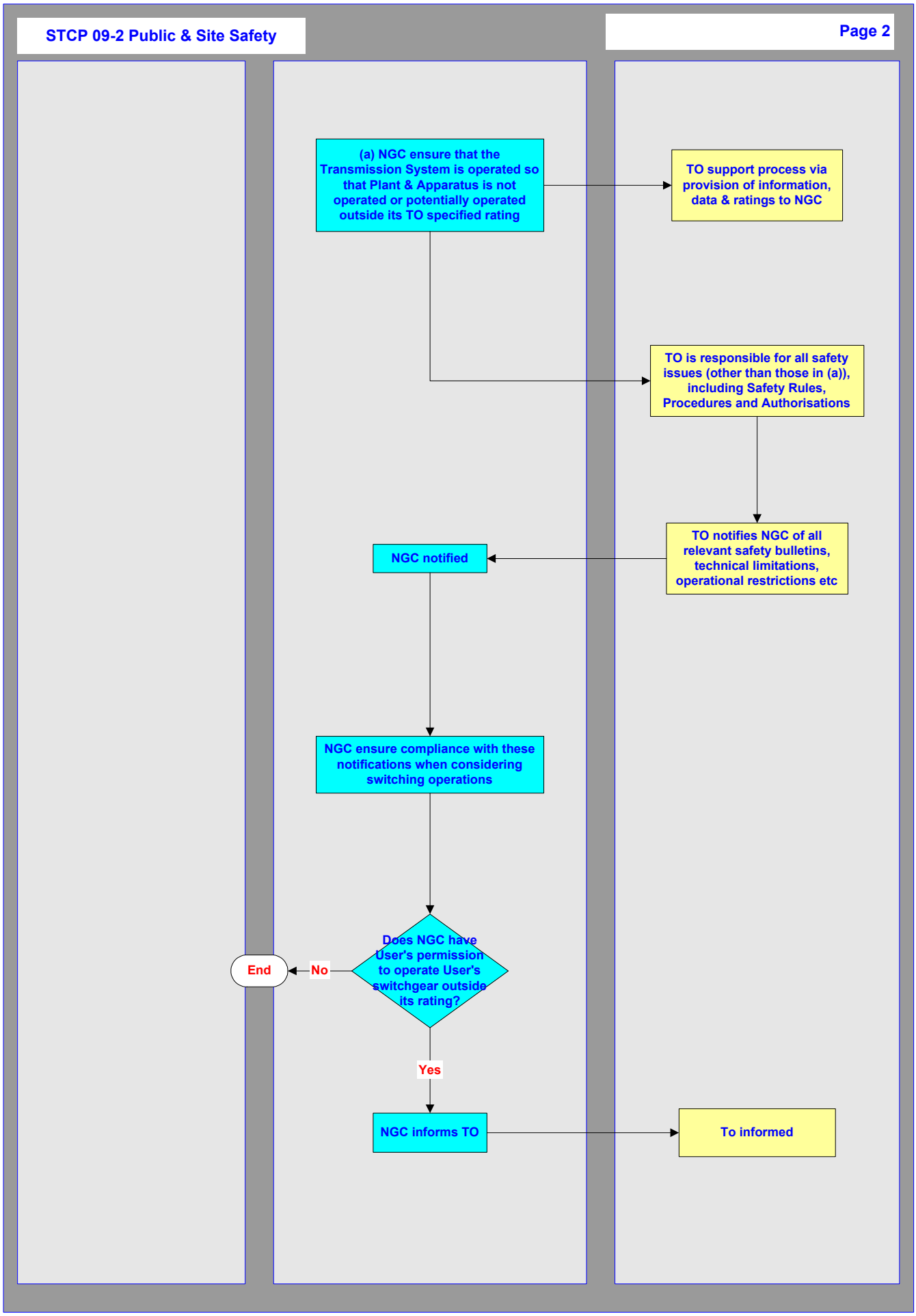
Appendix A: Process Diagrams

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.

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(a) NGC ensure that the Transmission System is operated so that Plant & Apparatus is not operated or potentially operated outside its TO specified rating
TO support process via provision of information, data & ratings to NGC
TO is responsible for all safety issues (other than those in (a)), including Safety Rules, Procedures and Authorisations
TO notifies NGC of all relevant safety bulletins, technical limitations, operational restrictions etc
NGC notified
NGC ensure compliance with these notifications when considering switching operations
Does NGC have User's permission to operate User's switchgear outside its rating?
No
End
Yes
NGC informs TO
To informed

STCP 09-2

Appendix B – Definitions & Abbreviations

B.1 Abbreviations

SPT	~~Scottish Power~~SP Transmission Ltd
SHETL	Scottish Hydro Electric Transmission Ltd
~~NGC~~	~~National Grid Company plc~~

B.2 Terms defined in the STC:

Apparatus

Code Effective Date

NGC

Operational Capability Limits

Plant

Services Capability Specifications

Transmission System

Users

B.3 Terms defined in the Grid Code:

Demand

Event

Safety Rules

B.4 Terms defined in other STCPs

Transmission Status Certificate	STCP 01-1 Operational Switching