

# STCP Amendment Proposal Form

PA006

## **1. Title of Amendment Proposal**

STCP 08-1 – 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:

C225

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 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 08-1 Protection Testing 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

<p><b>7. <u>Impact on Computer Systems and Processes used by STC Parties</u> (information should be given where possible)</b></p> <p>NONE</p>
<p><b>8. <u>Details of any Related Modifications to Other Industry Codes</u> (where known)</b></p> <p>NONE</p>
<p><b>9. <u>Justification for Proposed Amendment with Reference to Applicable STC Objectives</u> (mandatory field)</b></p> <p>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 8-1 this would better facilitate the following Applicable STC Objectives:</p> <ul style="list-style-type: none"> <li>the development, maintenance and operation of an efficient, economical and co-ordinated system of electricity transmission</li> <li>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</li> <li>promotion of good industry practice and efficiency in the implementation and administration of the arrangements described in the STC.</li> </ul>

<p><b>Details of Proposer</b> Organisation's Name</p>	National Grid Company plc
<p>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))</p>	STC Party
<p><b>Details of Proposer's Representative</b> Name Organisation Telephone Number Email Address</p>	<p>Mark Duffield National Grid Company plc 01926 654971 <a href="mailto:mark.duffield@ngtuk.com">mark.duffield@ngtuk.com</a></p>
<p><b>Details of Representative's Alternate</b> Name Organisation Telephone Number Email Address</p>	<p>Ben Graff National Grid Company plc 01926 656368 <a href="mailto:Ben.Graff@ngtuk.com">Ben.Graff@ngtuk.com</a></p>
<p><b>Attachments (Yes/No): Yes</b> 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 08-1: Protection Testing</p>	

**Notes:**

- 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.
- 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](mailto: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
C225	12/05/2005	OPUG	Changes required to reflect the agreed comments as described in the CDA Consistency Form dated 12 <sup>th</sup> April 2005 relating to STCP 8-1 Protection Testing.	STCP 08-1	Chris Whitley	Nadim Al-Hariri	Accepted	X	12-May-05	12 May 05: CR raised 12 May 05: OPUG accepted the CR

### Change Request (Yellow Shaded Boxes For CDA Use Only)

<b>CDA CR ID</b>	C225	<b>Status<sup>1</sup></b>	Accepted
<b>Company CR ID</b>		<b>Associated CR's</b>	
<b>Description of Change</b>			
Changes required to reflect the agreed comments as described in the CDA Consistency Form dated 12 <sup>th</sup> April 2005 relating to STCP 8-1 Protection Testing.			
<b>Reasons for Change</b>			
To reflect the comments agreed by OPUG that were raised within the CDA Consistency checks. The form is attached.			
<b>Affected Category 2 Document(s)<sup>2</sup></b>		<b>DG's Informed</b>	
STCP8-1 Protection Testing, Issue 1		OPUG	
<b>Originating Body<sup>3</sup></b>	OPUG	<b>HLIA ID</b>	
<b>Raised On</b>	12 <sup>th</sup> May 2005	<b>DLIA ID</b>	
<b>Business Owner</b>	Chris Whitley	<b>Time Impact<sup>4</sup></b>	
<b>CDA Owner</b>	Nadim Al-Hariri	<b>Effort Impact<sup>5</sup></b>	
<b>&lt;Group&gt; Agreed Action – &lt;Date&gt;</b>			
<b>Change Request Source Document</b>			
STCP8-1 Consistency Form.doc			
<b>Document Version Included In</b>	STCP8-1 Protection Testing, Issue 2		
<b>To Be Included In</b>	<input type="checkbox"/> Testing	<input checked="" type="checkbox"/> STCP Drafting	<input checked="" type="checkbox"/> Post "Go-Live"

<sup>1</sup> One of *Raised*, *HLIA Submitted*, *DLIA*, *DLIA Submitted*, *Accepted*, *Rejected* or *Pending*.

<sup>2</sup> Identifies the directly affected Category 2 documents. A full list of affected Category 1 & 2 documents will be identified by the HLIA.

<sup>3</sup> One of DG1, DG2, DG3, DG4, Ofgem/DTI or Companies.

<sup>4</sup> One of **Red** (impact on critical path), **Amber** (impact on plan but not critical path) or **Green** (no impact on plan)

<sup>5</sup> One of **High** (>5 Working Days), **Amber** (>1 and <5 Working Days) or **Green** (<1 Working Day)

**Category 2 Document Consistency Form**

<b>Consistency Form Status</b>		Owning DG/User Group Review	<b>Consistency Form Version</b>		D0.1
<b>Document Name</b>	STCP8-1 Protection Testing			<b>Version</b>	<b>Issue 2</b> 29/3/2005
				<b>Review Ref</b>	1
<b>Reviewer</b>	Tony Mason			<b>Date</b>	12/04/05
<b>Checked by</b>	Nadim Al-Hariri			<b>Date</b>	12/04/05
<p><b>Category 2 Documents – Detailed Level Processes and STCPs</b></p> <p><b>C:</b> Indicates documents have been checked for consistency and <b>no action required</b>.</p> <p><b>A:</b> Indicates documents have been checked for consistency and <b>action may be required</b>.</p> <p><b>N:</b> Indicates documents are related but <b>are unavailable</b> to be checked for consistency.</p>					
DG	Id	Issue	STCP/DL	Name	Action
1	8-3	Issue 1	STCP	Internal Consistency	<b>A</b>
0	-	Designated	-	SO-TO Code	<b>C</b>
1	1-1	Issue 2	STCP	Operational Switching	<b>C</b>
1	11-1	Issue 2	STCP	Outage Planning	<b>C</b>
1	19-4	Issue 1	STCP	Commissioning and Decommissioning	<b>C</b>
1	4-4	Final Draft	STCP	Provision of Asset Operational Information	<b>C</b>
0	-	09/03/04	-	STC Procedure Drafting Guidelines	<b>C</b>

**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	<b>Typos etc</b>	Front page – as there are no outstanding issues suggest removing the headings  3.2.6 & 3.2.8 – “Operational Intertripping Schemes” should be written “Operational Intertripping schemes” as only Operational Intertripping is defined in Grid Code.  4.1.2 – “party” should be capitalised	C	F	L	L	Proposed Action: Amend as stated  Agreed Action: Front page: Agreed 3.2.6 & 3.2.8 Agreed 4.1.2 No longer applicable as section 4 'Disputes' has been deleted from the document.
2	<b>3.2.9</b>	How is agreement with an affected TO communicated?	Q				Proposed Action:  Agreed Action: Add 'through normal operational liaison' to end of first sentence.
3	<b>3.1.3</b>	This paragraph repeats the statement in 1.1.1. This is a scoping issue; suggest removing it from this section.	C	F	L	L	Proposed Action: Amend as stated.  Agreed Action: Agreed removal.
4	<b>3.3</b>	Does this section include the processing that should take place during the Programming Phase? If so, consider renaming the section.	Q				Proposed Action:  Agreed Action: No action required. This covers only Control Phase processing.
5	<b>3.3.7 and 3.3.10</b>	Include at the end of the paragraph “and any affected TO”.	C	F	L	L	Proposed Action: Amend as stated.  Agreed Action: Agreed 3.3.7 include at end of paragraph.  3.3.10 include after 'affected Users' on first line.
6	<b>Swim Lane</b>	This requires updating. It currently reflects the Level 2 process.	I	D	M	M	Proposed Action:  Redraw the swim lanes to be consistent with the text  Agreed Action: Agreed
7	<b>Appendix B</b>	The attached document provides an updated set of definitions reflecting their usage within STCP8-1  STCP8-1 Definitions.doc	C	F	L	L	Proposed Action:  Replace Appendix B with the attached.  Agreed Action: Agreed with further updates to definitions as required.

**Attachment 2: Revised Legal Text for STCP 08-1 Protection Testing**

**~~STCP8-1:STCP 08-1 Issue 002~~ Protection  
 Testing ~~Version 002~~**

**STCP Procedure Document Authorisation**

<u>Company</u>	<u>Name of Representative</u>	<u>Signed off (date)</u>
NGT		
SP		
SSE		

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

**STC Procedure Change Control History**

~~Issue 1 24/3/5~~  
~~Issue 2 29/3/5~~

~~Outstanding issues to be resolved pre company sign-off~~

~~Outstanding issues to be resolved post company sign-off~~

<u>Issue 001</u>	<u>29/03/2005</u>	<u>BETTA Go-Live Version</u>
<u>Issue 002</u>	<u>26/05/2005</u>	<u>Issue 002 incorporating PA006</u>



## **1 Introduction**

### **1.1 Scope**

- 1.1.1 This procedure describes the arrangements and processes across the NGC-TO interface for Protection Tests (with primary Plant and Apparatus in service). This does not include Protection Tests associated with commissioning or decommissioning activities, which are the subject of STCP19-4 Commissioning and Decommissioning or the planned tripping of circuits which are subject to the requirements of STCP 8-2 Circuit Live Trip and DAR Tests.
- 1.1.2 Protection Tests are complementary to the testing of Protection Apparatus and its associated electrical signalling that takes place when control of Protection equipment is transferred to a TO under a Transmission Status Certificate (TSC).
- 1.1.3 Any requests for Protection Tests shall be made by a TO. It is not anticipated that NGC shall submit any requests under this procedure.
- 1.1.4 The primary information exchange between NGC and TO for planning and implementing Protection Tests is set out in this procedure. Elements of information exchange mechanisms described in the STC, STCP 1-1 Operational Switching and STCP11-1 Outage Planning may also be used, where appropriate, in the planning and operation of Protection Testing.
- 1.1.5 This procedure applies to NGC and each TO where, for the purpose of this document, the TOs are:
- SPT; and
  - SHETL.

### **1.2 Objectives**

- 1.2.1 This process specifies the following:
- the responsibilities of NGC and the TO(s) in relation to Protection Tests;
  - the requirements for exchange of information across the NGC-TO interface; and
  - the means of communication to be used across the NGC-TO interface.
- 1.2.2 It is designed to enable the Parties to discharge their responsibilities under the appropriate section of the STC and to ensure that responsibilities are clear.

## **2 Key Definitions**

### **2.1 For the purposes of STCP 8-1:**

- 2.1.1 **Protection Tests** means the testing of Protection Apparatus and associated signalling with the primary Plant and Apparatus in service.

## **3 Process**

### **3.1 General**

- 3.1.1 Whenever possible Protection Tests should be planned in advance. However, this does not exclude the possibility of agreeing tests at shorter notice, including Control Phase timescales.
- 3.1.2 Protection Tests shall be planned and carried out by the Affected Parties such that, with the exception of the Plant and Apparatus subject to the Tests, there is minimal impact on the GB Transmission System.
- ~~3.1.3 Protection Tests implemented in accordance with this procedure shall not involve the planned tripping of circuits. Where planned tripping of circuits is involved STCP 8-2 Circuit Live Trip and DAR Tests shall be used.~~
- 3.1.3 NGC shall remain responsible for the operational management of the GB Transmission System during the testing.

3.1.4 The TO shall be responsible for managing the Tests programme in accordance with the requirements of this procedure.

### **3.2 Operational Planning Phase**

3.2.1 During the Operational Planning Phase, the TO shall submit all Outage requests for Protection Tests in accordance with STCP 11-1 Outage Planning.

3.2.2 Any request for an Outage shall state the Protection Apparatus, associated signalling and circuit involved, and shall be flagged as an 'in-service' Outage request. These Outages shall not be considered in security analysis by NGC. Although these Outages do not form part of security analysis, the Operational Effect of a fault or unintended tripping of the 'in-service' circuit shall be considered as part of the Outage planning process.

3.2.3 During the Operational Planning Phase, any Protection Apparatus and associated signalling work requiring isolation of in-service Plant and Apparatus shall be requested as an Outage in accordance with STCP 11-1 Outage Planning and will be considered by NGC in security analysis.

3.2.4 Outage requests for Protection Tests may be accepted with the primary Plant and Apparatus 'in-service' where:

- results of off-load testing would not be sufficient to confirm the performance of equipment involved; and/or
- the operational and/or commercial consequences of switching out primary Plant and Apparatus are judged more onerous than retaining the primary Plant and Apparatus in service.

3.2.5 In all cases:

- the 400 and 275kV networks the primary Plant and Apparatus remaining in service must be fully protected by a main Protection system throughout the period of work. On the 132kV network equipment would not normally be left in service unless protected by an in-service main Protection; and
- the work must be arranged to deplete the Protection Apparatus and associated signalling to be worked on for the minimum time and should not normally exceed 3 hours. If work on Protection Apparatus and associated signalling is judged at the planning stage to be likely to exceed 3 hours duration the work should normally be planned and requested with the primary Plant and Apparatus out of service.

3.2.6 Consideration shall be given by the TO and NGC when proposing to carry out work on Protection Apparatus and associated signalling to the interaction with any other Protection Apparatus or automatic switching systems including Operational Intertripping ~~Schemes.schemes.~~

3.2.7 As part of the planning of Protection Tests on cross TO boundary circuits, liaison and agreement shall take place between the TOs involved. The requesting TO shall take the lead in co-ordinating discussions and reaching agreement with the other affected TO(s). The requesting TO shall be responsible for liaising with NGC regarding such outcome of discussions.

3.2.8 No Protection Tests will take place on circuits where the Tests would result in operation of an Operational Intertripping ~~Scheme.scheme.~~ Any such Tests should normally be carried out under STCP 8-3 Operational Tests or System Tests or STCP 8-4 User Tests.

3.2.9 NGC shall be responsible for obtaining the agreement of an affected User or affected TO to Protection Tests through normal operational liaison. Tests will only be carried out if and when agreement for the Tests has been reached with the affected User or affected TO.

3.2.10 Predicted weather and GB Transmission System conditions at the time of testing must be taken into account by the TO and NGC if planning to deplete Protection.

- 3.2.11 The TO will provide such additional information as may be reasonably requested by NGC to assist in assessing any operational implications of Protection Tests including Services Reduction and Services Reduction Risks.

### **3.3 Control Phase**

- 3.3.1 Where the proposed Protection Tests have been part of the Operational Planning Phase, normal liaison will take place between the TO and NGC prior to the work commencing as detailed in STCP1-1 Operational Switching.
- 3.3.2 Where the proposed Protection Tests have not been part of the Operational Planning Phase operational staff representing the TO and NGC shall consult and consider those aspects normally considered in the Operational Planning Phase prior to the work going ahead. Where necessary NGC will liaise with Users. Normal liaison as detailed in STCP 1-1 Operational Switching will take place between the TO and NGC prior to the work commencing.
- 3.3.3 In the Control Phase, agreement to release Protection Apparatus and associated signalling from operational service must be obtained by the TO from NGC prior to commencing any Protection Tests.
- 3.3.4 The TO is responsible for specifying and carrying out the method of work or Testing and notifying NGC of any associated Operational Effects (or potential Operational Effects) of the work or Testing, including Services Reduction and Service Reduction Risks in advance of testing.
- 3.3.5 Protection Tests shall be carried out in accordance with the requirements of STCP 1-1 Operational Switching for work on Protection Apparatus associated with Plant and Apparatus not released to the TO (i.e. Plant and Apparatus retained under NGC control). The testing will normally be agreed under a verbal Switching Method and agreement recorded by NGC and the TO.
- 3.3.6 The TO shall manage the Protection Tests on the released Protection Apparatus and associated signalling in accordance with the requirements of this procedure and any internal company procedures.
- 3.3.7 When Protection Tests have commenced, any change in GB Transmission System, Site or Testing conditions identified by the TO or NGC that could affect or invalidate the Protection Tests must be communicated by that Party to the other Party as soon as reasonably practicable. Work shall be suspended until the implications of the change have been assessed by all parties involved. NGC will co-ordinate any communication with affected Users and any affected TO.
- 3.3.8 The TO will ensure that the Protection Apparatus and associated signalling is restored to the appropriate Normal Capability Limit (NCL) or Operational Capability Limit (OCL). Where it is not appropriate to restore the Protection Apparatus and associated signalling to the capability applicable at the start of the Outage the TO shall advise NGC of the new capability in accordance with STCP 4-4 Provision of Asset Operational Information.
- 3.3.9 On completion of Protection Tests the TO shall notify NGC and, using an agreed methodology, restore the Protection Apparatus and associated signalling back to service.
- 3.3.10 NGC shall inform any affected Users and any affected TO when the Protection Tests are completed, delayed or cancelled.
- 3.3.11 A failure of communications between the TO and NGC during the Protection Tests should not influence the outcome but if the Protection Tests are completed before communications are restored the TO may return the Protection to normal service and inform NGC as soon as communications are restored.

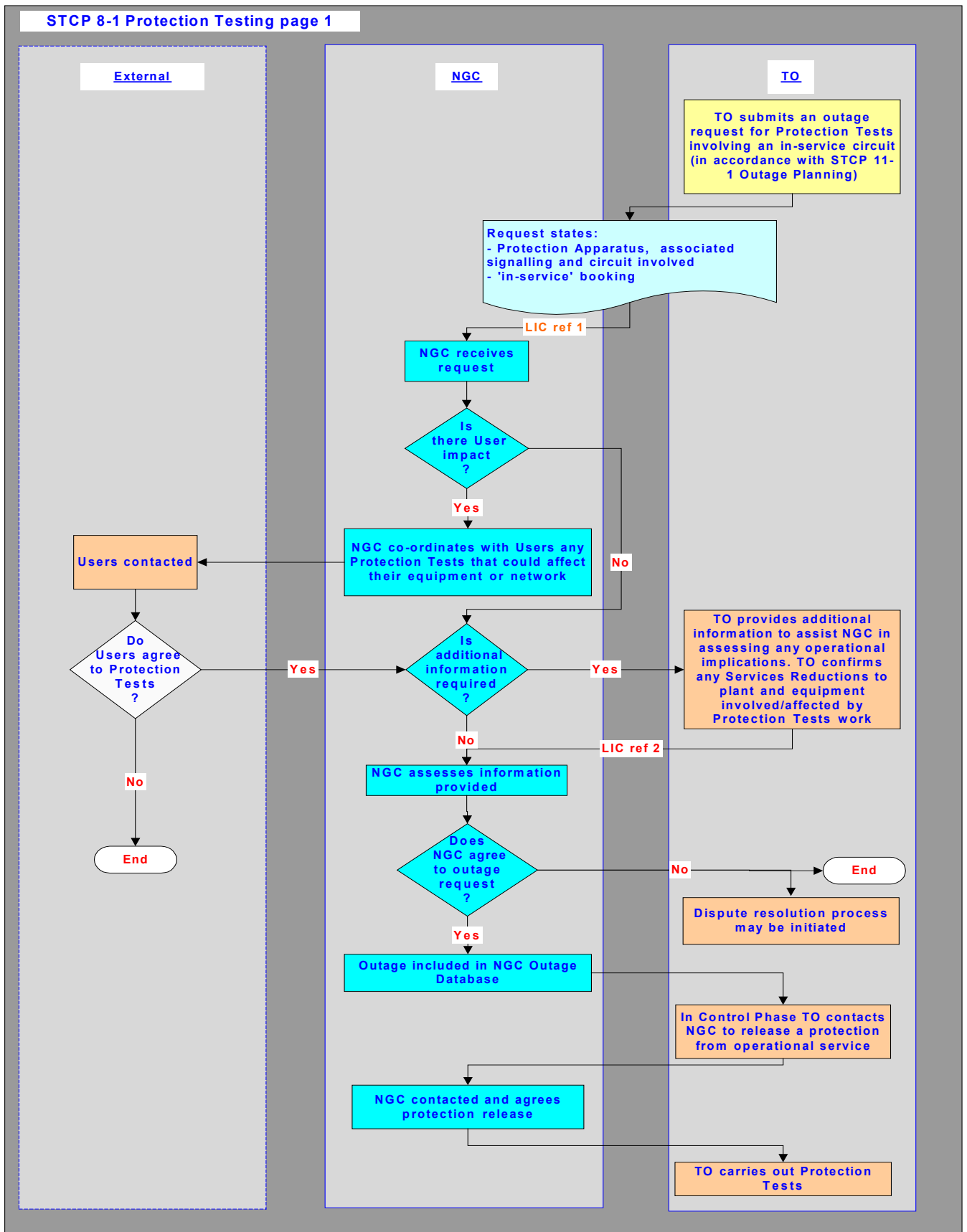
## **4Disputes**

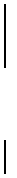
~~4.1.1 In the event that there is a dispute regarding the acceptability or otherwise of a Protection Tests proposal or associated Outage the testing will not take place until the dispute has been resolved.~~

~~4.1.2 Any affected party may initiate a Dispute in the event that agreement cannot be reached.~~

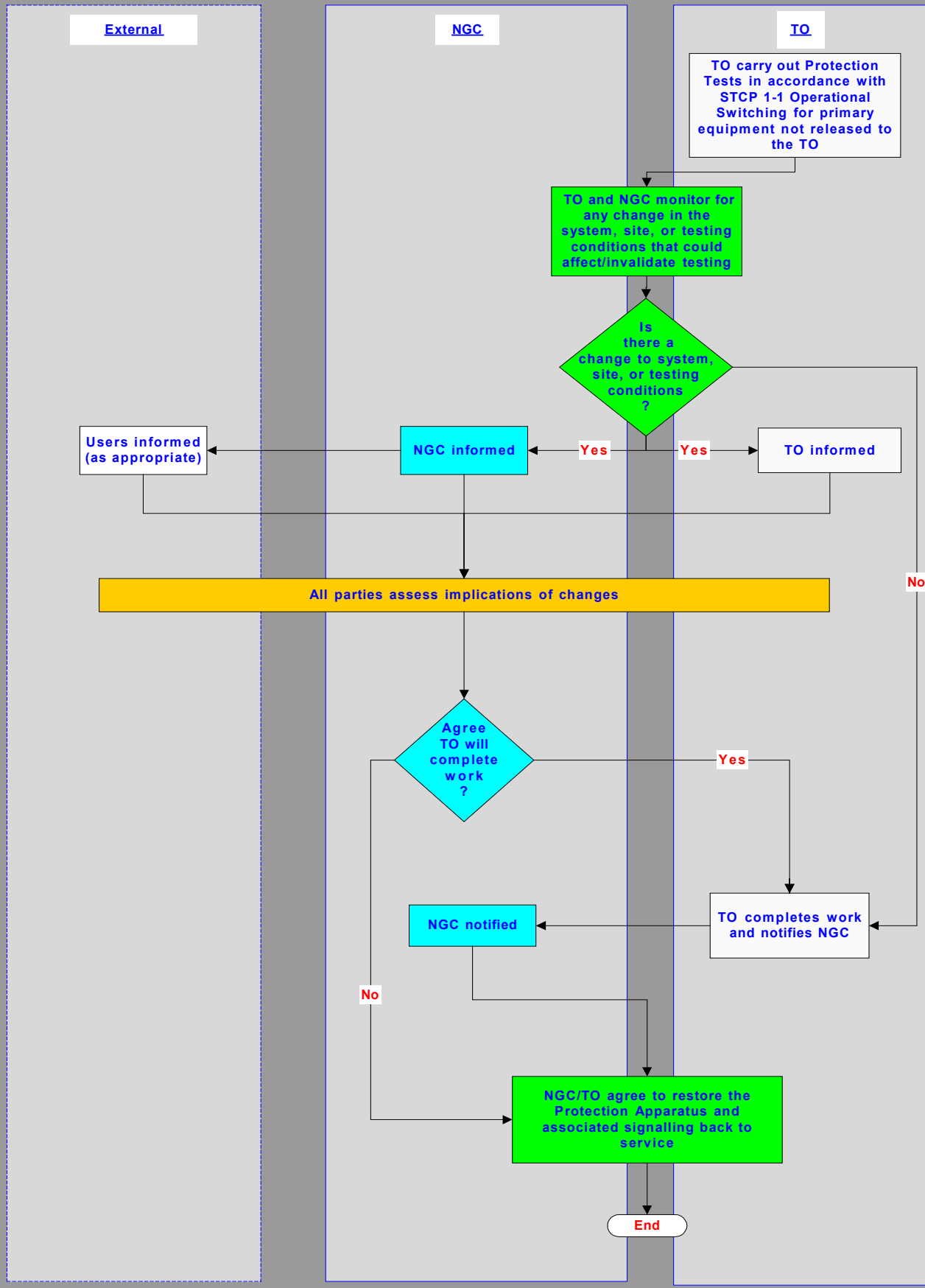
## Appendix A: Process Diagrams

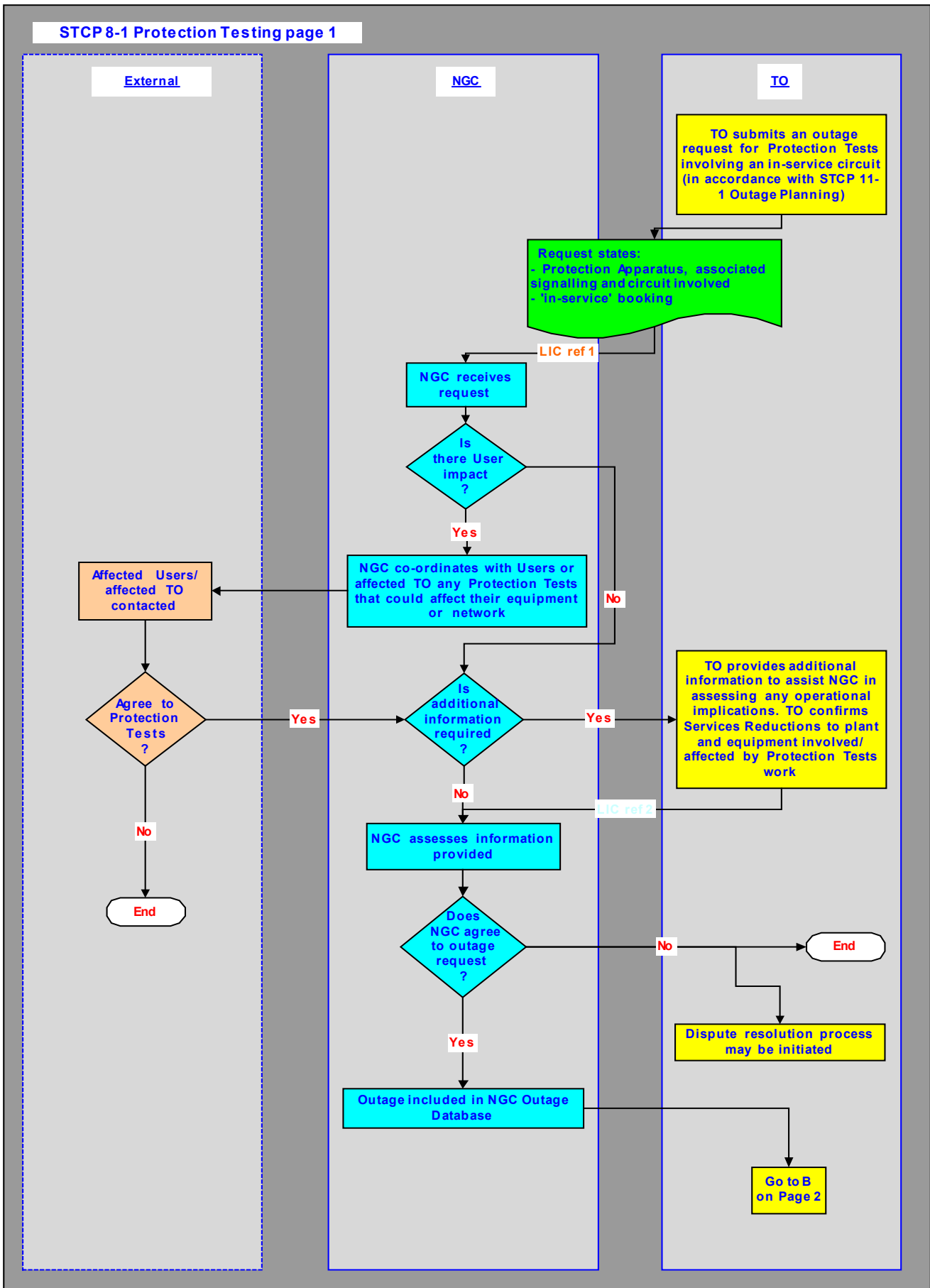
Note that the Process Diagrams shown in this Appendix are for information only. In the event of any contradiction between the process represented in this Appendix and the process described elsewhere in this STCP, then the text elsewhere in this STCP shall prevail.



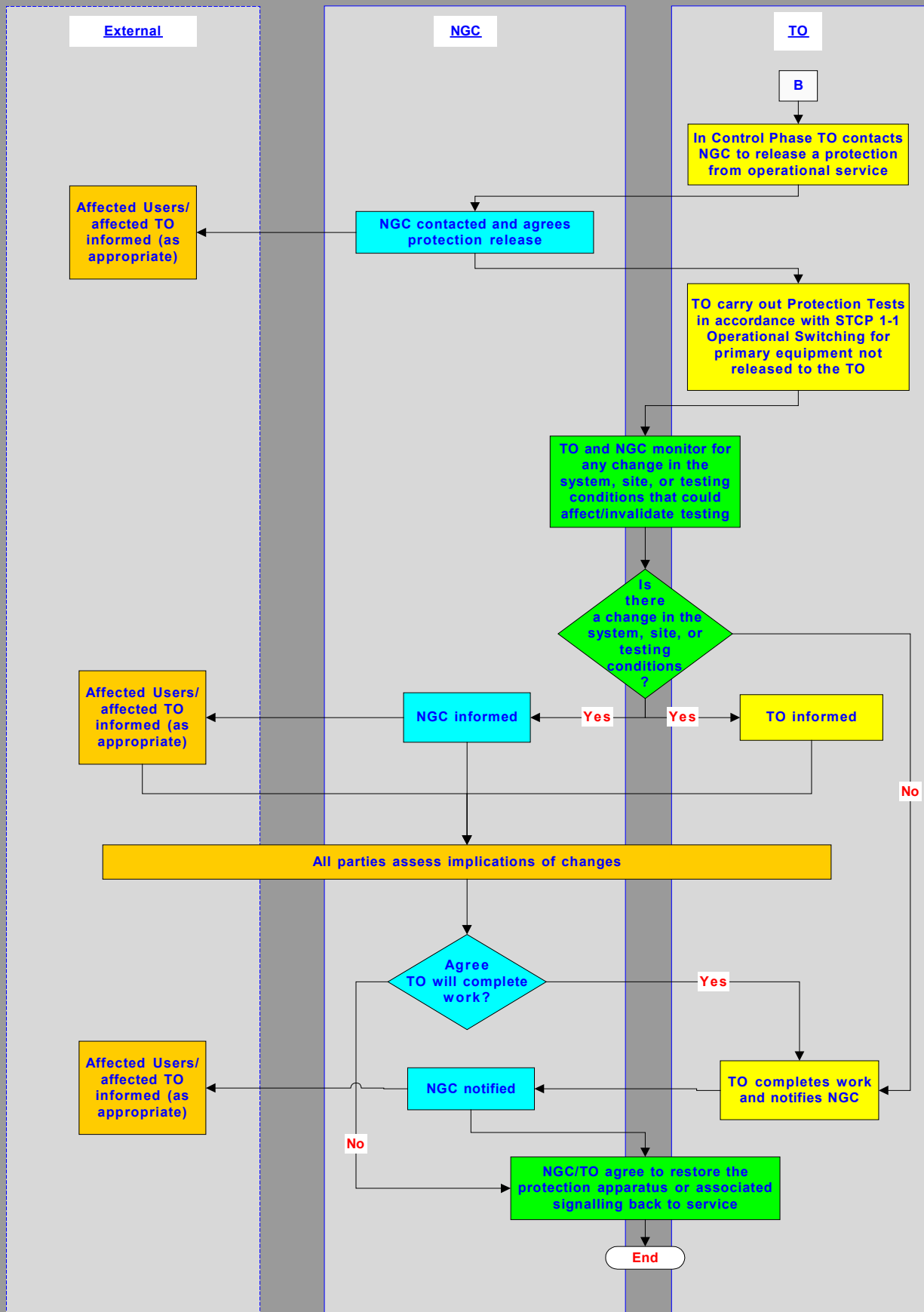


STCP 8-1 Protection Testing page 2





STCP 8-1 Protection Testing page 2



**Appendix B – Definitions & Abbreviations**

**B.1 Abbreviations**

<del>NGC</del>	<del>National Grid Company</del>
<del>SHETL</del>	<del>Scottish Hydro Electric Transmission Ltd</del>
<del>SPT</del>	<del>Scottish Power Transmission</del>
<del>NCL</del>	<del>Normal Capability Limits</del>
<del>OCL</del>	<del>Operational Capability Limits</del>
<del>SHETL</del>	<del>Scottish Hydro-Electric Transmission Limited</del>
<del>SPT</del>	<del>SP Transmission Limited</del>
STC	System Operator –Transmission Owner Code
STCP	System Operator –Transmission Owner Code Procedure
TO	Transmission Owner
<del>TSC</del>	<del>Transmission Status Certificate</del>

**B.2 Terms defined in the STC:**

~~Apparatus~~  
~~Dispute~~

GB Transmission System

~~Normal Capability Limits~~

~~NGC~~

~~Operational Capability Limits~~

Operational Effect

Outage

~~Party~~

~~Plant~~

~~Protection~~

~~Services Reduction~~

~~Services Reduction Risk~~

Tests

~~User~~

**B.3 Terms defined in the Grid Code:**

~~Apparatus~~

Control Phase

~~Operational~~ Intertripping

Operational Planning Phase \_\_\_\_\_

~~Protection~~

**B.4 Terms defined in other STCPs**

Transmission Status Certificate	STCP1-1: Operational Switching
Switching Method	STCP1-1: Operational Switching