

# **STCP Amendment Proposal Form**

PA048

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

Alignment of STC and STCP16-1 Obligations regarding User Works

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

Amendment seeks to improve process clarity and ensure consistency between existing STC provisions and STCP16-1 (Investment Planning) regarding the notification and impact of Users Works.

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

### **1. Investment Plans**

The STC places obligations on each TO to update their Investment Plan such that it accurately reflects the latest background. STC Section D, Part 1, places two obligations on Parties relating to Investment Plans and the associated impact on other Users (if applicable).

- (a) Paragraph 2.1.2.3 places an obligation on the TO to identify 'works required to give effect to the proposed changes ...and the likely material effect of such Planned Works on Users'.
- (b) Paragraph 2.1.2.4 requires the TO to identify 'any works which a User may have to carry out as a result of any proposed Change to a Connection Site'.

Although the PLD template (STCP16-1 – Appendix B) includes a check box to indicate if User Works are applicable, there is no corresponding text within the actual body of the procedure.

### **2. Identification of Impacts on Agreements with Users**

Following receipt of the PLDs and Project Listings, National Grid is required to '... identify those Planned Works of each Transmission Owner which will require arrangements to be made between National Grid and Users in relation to a Modification...' (Section D, Part 1, Paragraph 2.5.1) This obligation requires National Grid to review all works previously identified by the TOs and highlight those works which will require agreements to be put in place between the relevant parties in order for the associated works to be carried out.

This is inconsistent with existing STCP16-1 provisions as stated in 4.2.23 and 4.2.24 which states that it is National Grid responsibility to identify any works and highlight those which will require agreements to be put in place between the relevant parties in order for the associated works to be carried out. The identification of works is an obligation of the TOs as currently stated in D, Part 1, paragraph 2.1.2.3 and 2.1.2.4.

### **3. Notifying Users**

Following the identification of impacts on Users, National Grid would require from the TO the date at which they require National Grid to commence discussions with the User to allow this work to proceed. Following receipt of this date, National Grid shall commence the CUSC and STCP18-1 (Connection and Modification Application) Modification process. Currently there is no obligation on the TOs to inform National Grid of the applicable timescales regarding the impact on Users.

### **4. Modifications and Replacement Notices**

There is a possible misuse of CUSC term 'Replacement Notice' in STCP16-1 which may result in misinterpretation and confusion over the correct CUSC process to follow.

**3. Impact on the STC and STCP (information should be given where possible)**

- Amend STCP16-1, paragraph 4.2.6 to reflect to Section D, Part 1, paragraph 2.1.2.3 and 2.1.2.4 obligations and STCP16-1 Appendix B data fields.
- Amend STCP16-1 paragraph 4.5.3 to reflect to Section D, Part 1, paragraph 2.1.2.3 and 2.1.2.4 obligations
- Amend STCP16-1 paragraph 4.2.23 and 4.2.24 to reflect to Section D, Part 1, paragraph 2.5.1 obligations.
- New paragraph to be inserted after STCP16-1, paragraph 4.2.6 which will oblige the TO's to inform National Grid of the applicable timescales regarding User works.
- Amend STCP16-1, paragraph 4.2.23 and 4.2.24 to refer to relevant CUSC procedure, use of generic words to minimise any confusion over process.
- Amend STCP16-1, paragraph 4.5.5 and 4.5.6 to refer to relevant CUSC procedure, use of generic words to minimise any confusion over process.

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

None

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

None

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

None

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

None

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

This amendment is proposed in accordance with applicable STC Objectives a) "efficient discharge of the obligations imposed upon transmission licensees by transmission licences and the Act", and e) "promotion of good industry practice and efficiency in the implementation and administration of the arrangements described in the STC" by enhancing and clarifying the process and increasing the cost reflectivity of the charges when they are set.

<b>Details of Proposer</b> Organisation's Name	National Grid Electricity Transmission 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
<b>Details of Proposer's Representative</b> Name Organisation Telephone Number Email Address	Bec Thornton National Grid 01926 656386 <a href="mailto:Bec.Thornton@uk.ngrid.com">Bec.Thornton@uk.ngrid.com</a>
<b>Details of Representative's Alternate</b> Name Organisation Telephone Number Email Address	Richard Lamb National Grid 01926 655381 <a href="mailto:Richard.Lamb@uk.ngrid.com">Richard.Lamb@uk.ngrid.com</a>
<b>Attachments (Yes/No): No</b>	

**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  
National Grid House  
Warwick Technology Park  
Gallows Hill  
Warwick, CV34 6DA

Or via e-mail to: [STCTeam@uk.ngrid.com](mailto:STCTeam@uk.ngrid.com)

## **STCP 16-1 Issue 0023 Investment Planning**

### **STC Procedure Document Authorisation**

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

### **STC Procedure Change Control History**

Issue 001	26/05/2005	First Issue following BETTA Go-Live
Issue 002	25/10/2005	Issue 002 incorporating PA034, PA037 and PA039
<b>Issue 003</b>	<b>25/03/07</b>	<b>Issue 003 incorporating PA048</b>

## 1 Introduction

### 1.1 Scope

1.1.1 This procedure applies to NGET and each TO. For the purposes of this document, TOs are:

- SPT; and
- SHETL.

### 1.2 Objectives

1.2.1 This STCP describes the processes and procedures for investment planning and individual project development across both the NGET-TO and TO-TO interfaces.

## 2 Key Definitions

### 2.1 For the purposes of STCP 16-1:

2.1.1 **Distribution Network Operator** means a holder of a Distribution Licence.

2.1.2 **Investment Planning Study Guidelines** means a document agreed between NGET and the TOs that specify various agreed details in relation to updating the Investment Plan, including the programme and assumptions made in the studies.

2.1.3 **Joint Planning Committee (JPC)** means the committee formed under section 4.1.1.

2.1.4 **Joint System Development Liaison group (JSDL)** means the groups formed under section 4.1.2.

2.1.5 **Operational Assessment** means an estimate of the system constraint costs against the Project Listings proposed by the relevant TOs.

2.1.6 **Modification Request** means a notification made by the TO to NGET to facilitate a Modification Notification (see Appendix D).

~~2.1.6~~ 2.1.7 **Project Listings** means a summary of proposed projects to modify the GB Transmission System corresponding to a set of planning assumptions, i.e. to accommodate new connections, modification to existing connections, and GB Transmission System reinforcements. Each entry on the Project Listing will have referenced a completed Project Listing Document (see Appendix C).

~~2.1.7~~ 2.1.8 **Project Listing Document (PLD)** means a document describing a specific project or set of projects to modify the GB Transmission System (see Appendix B).

~~2.1.8~~ 2.1.9 **Relevant Standards** means the GB Security and Quality of Supply Standard (GB SQSS).

~~2.1.9~~ **Replacement Notice** is as defined in the CUSC (Section 2.17).

2.1.10 **Week 24 Data Submission** means that data which is submitted to NGET -by Users in week 24 (as defined in Grid Code).

## 3 General Provisions

3.1.1 Nuclear Site Licence Provisions Agreement

3.1.2 When following this process where this may interact with, impact upon or fall within the boundary of a Nuclear Site Licence holder's site, or may otherwise have any form of affect and/or implication for a nuclear power station consideration must be given to the relevant provisions of the applicable Nuclear Site Licence Provisions Agreement, the CUSC Bilateral Connection Agreement for that site, paragraph 6.9.4 of the CUSC and Section G3 of the STC to ensure compliance with all of these obligations.

## **4 Procedure**

### **4.1 Committees/Liaison Groups**

#### **4.1.1 Joint Planning Committee**

4.1.1.1 The Joint Planning Committee (JPC), consisting of named representatives from NGET and each TO, shall facilitate the co-ordination between the Parties of investment planning and the production of the SYS. The JPC shall meet quarterly, however the frequency of the meeting can be varied with the agreement of all Parties.

4.1.1.2 It is envisaged that agenda items for consideration at a meeting may include, for example:

- the production of draft Investment Planning Demand backgrounds and the Investment Planning Ranking Orders by NGET;
- the agreement of tolerances for the Boundary of Influence studies;
- the production of Investment Planning and SYS Models by Parties;
- resolution of modelling issues, including contingencies and tolerances for consistency checking;
- review and consistency checking of the GB Models for Investment Planning and SYS production;
- the production of Project Listings and supporting Project Listing Documents (PLDs) by all Parties;
- the Operational Assessment performed by NGET ;
- the programme for annual production of Project Listings and supporting PLDs. (NB this is envisaged as an annual process but could be updated on an ad-hoc basis); and proposed and issued Grid Code and/or SQSS derogations.

4.1.1.3 The quarterly meetings may be supplemented with ad-hoc meetings as required. The JPC does not preclude separate bilateral TO-TO, or TO-NGET meetings.

4.1.1.4 The JPC may appoint sub-groups as appropriate to consider specific issues. It is envisaged that such sub-groups, for example, may be set up to consider:

- dynamic models of new generators;
- System stability; or
- modelling consistency issues.

#### **4.1.2 Joint System Development Liaison Group**

4.1.2.1 A Joint System Development Liaison group (the JSDL) may be formed with a User for the purpose of investment planning co-ordination. Such groups shall be organised by NGET and formed at the request of NGET or a TO.

4.1.2.2 The JSDL shall consist of named representatives from the relevant User, NGET and the relevant TO or TOs. The JSDL shall meet twice a year, although the frequency of the meetings can be varied with the agreement of all members of the JSDL. The agenda at the meeting may include, for example:

- all parties' relevant projects from the Project Listings, including infrastructure and asset replacement projects;
- Information about Grid Supply Points (DNOs only);
- Information about Outages; or
- Information about general issues.

## **4.2 Production of Investment Planning Project Listings**

- 4.2.1 The JPC shall, at the first meeting of the calendar year, discuss and agree the programme, and key milestones for delivery of, the annual investment plan, which shall be documented in the agreed Investment Planning Study Guidelines.
- 4.2.2 The Parties shall review the Boundaries of Influence and produce the Hybrid GB Investment Planning Model and Summer Minimum GB Investment Planning Model in accordance with STCP 22-1 Production of Models for GB System Planning.
- 4.2.3 Each Party shall perform analysis on these Models based on the requirements of the Relevant Standards, including any sensitivity analysis considered relevant. Both the deterministic and economic requirements of the Relevant Standards shall be taken into account in any analysis.
- 4.2.4 Each Party shall consider future infrastructure reinforcements when considering any non-compliance with the Relevant Standards identified by the security analysis. Each Party shall also consider any new connection or asset replacement projects that are required, and will look to co-ordinate any future infrastructure reinforcements with such projects. Each Party shall also consider enduring changes to the capability of existing assets.
- 4.2.5 Each Party will produce **and maintain** a Project Listing, which is a summary of projects that will propose changes to its Transmission System, to make the Transmission System compliant with Relevant Standards.
- 4.2.6 For each Party's projects, that Party shall produce an initial PLD, in such detail as is reasonably practicable and appropriate at the time, which ~~may~~ **shall** include the following items:
- project name;
  - brief narrative;
  - any changes to node and line data;
  - schematic diagram;
  - key dates (including commissioning date, date by which stage by stage drawings will be available and date of initial Commissioning Panel meeting); ~~and,~~
  - outline Outage requirements (circuits, duration, order and Emergency Return to Service Times);
  - **impact on Transmission Connection Assets;**
  - **indication of user works (if applicable); and<sup>2</sup>**
  - **estimate of impact, if any, on User assets.**
- 4.2.7 ~~Where a TO identifies an impact on Transmission Connection Assets or the potential for User ~~w~~Works, the TO will provide NGET with an appropriate date for the commencement of formal discussions with the User such that the necessary approval to undertaken the works may be granted. Following receipt of ~~this~~ This date shall be the trigger at which, NGET shall commence the CUSC and STCP18-1 (Connection and Modification Application) modification process.~~ **discussions with the User in accordance with the GB CUSC to obtain agreement for the proposed works.**
- ~~4.2.7~~ **4.2.8** Where a TO identifies a number of options for system reinforcement or modification that meet the deterministic and economic requirements of the Relevant Standards, they may request additional data from NGET in order to complete a more detailed economic comparison of the options. Additional data may include estimates of MWh & MVArh costs, constraint volumes and constraint locations.
- ~~4.2.8~~ **4.2.9** NGET shall provide ~~any~~ data to the TO as reasonably requested in ~~4.2.7~~ **4.2.8**, to facilitate economic comparison of TO options. The data will not however, be detailed about the economics of any particular generator.

~~4.2.9~~4.2.10 Each Party shall provide ~~at the~~ Project Listing and associated PLDs to other Parties for each project within their Boundary of Influence to facilitate the co-ordination of TOs' Transmission Investment Plans and the NGET Investment Plan, and Outage planning.

4.2.11 The TOs shall provide NGET with the ~~complete~~ Project Listing, the associated PLDs and complete TO Models representing the **proposed** changes ~~at this stage~~. All projects in the Project Listing will be used to form the Transmission Investment Plan or the NGET Investment Plan for each of the Parties.

~~4.2.11~~All Parties shall review projects which fall within their Boundary of Influence that have been provided by other Parties in 4.2.10. Parties shall review and provide comments on these projects to consider whether they are co-ordinated, economic, and efficient.

4.2.12

### **4.3 Operational Assessment**

~~4.2.12~~4.3.1 NGET shall collate the Project Listings and perform an Operational Assessment.

~~4.2.13~~4.3.2 The initial Operational Assessment will be based on the Investment Planning Background with any additional sensitivities agreed by the JPC. The Operational Assessment shall be based on node and line data and include:

- a calculation of constraint costs during the construction phase, based on the Outage information provided in the PLDs; and,
- an estimate of enduring constraint costs, based on average circuit availabilities and plausible planned Outage scenarios.

~~4.2.14~~4.3.3 NGET ~~shall prepare separate~~ Operational Assessment reports for each TO ~~based on the results of the Operational Assessment~~. NGET shall send to ~~the~~ **each** TO a first draft of its Operational Assessment report. The Operational Assessment report will make suggestions and comments on:

- problematic Outages and Outage combinations;
- problematic transmission reinforcements;
- operational complexity issues; and
- Outages that impact on Users.

~~4.2.15~~4.3.4 All Parties shall consider the first draft of their Operational Assessment report and the reviews carried out under 4.2.11. Where suggested changes to the timing of Outages can be accommodated without a detrimental impact on the TOs capital programme, the relevant PLD will be updated, and revised TO Models, Project Listing and revised PLDs provided to NGET, by the TOs.

~~4.2.16~~4.3.5 If required, NGET shall re-perform the Operational Assessment to reflect any agreed changes to the PLD(s). Where necessary, NGET shall then revise and send to the relevant TO its Operational Assessment report.

~~4.2.17~~4.3.6 If NGET is not satisfied that the comments made in the draft Operational Assessment report have been properly considered by a TO, NGET ~~can~~ **shall** contact the TO to set out the concerns.

~~4.2.18~~4.3.7 Affected Parties ~~can~~ **may** hold a meeting in order to try and resolve any ~~disagreement~~ **remaining issues**. If the ~~disagreement is~~ **issues are** resolved, then the TO shall ~~update~~ **review** their PLDs and Project Listing ~~or~~ **and** NGET ~~shall~~ **acknowledge** the TO's final Project Listings.



~~4.2.19~~**4.3.8** Any updated Project Listing and PLDs will be sent to all relevant Parties by NGET as appropriate.

~~4.2.20~~**4.3.9** If Parties cannot resolve the dispute, any of the Parties may refer the matter to the Authority, in accordance with the STC.

**4.3.9.1** Based on the determination of the Authority, any changes required to the TOs Project Listing and PLDs ~~will be~~**shall be made and** re-issued to all affected Parties as appropriate.

#### ~~4.2.21~~**4.4 Customer Impacts**

~~4.2.22~~**4.4.1** NGET shall provide information on longer-term Project Listings on the GB Transmission System that ~~could~~**may** affect Users ~~, as part of~~**through** the JSDLs' regular meetings. The information will be provided in the same form that it appears in the final PLD.

~~4.2.23~~**4.4.2** NGET shall review the final PLD ~~and to identify~~**establish the** ~~which~~ developments ~~onto~~ the GB Transmission System **identified by TOs** that could impact ~~on~~ ~~en~~ Transmission Connection Assets ~~as identified by TOs~~. NGET shall issue a Replacement Notice associated with these projects to Users as soon as reasonably practicable (ideally at least two years ahead of the need to start construction works). The Replacement Notice shall be in the form of a written letter, detailing the key reasoning for the proposals. For the avoidance of doubt, this notice does not place an obligation on the TOs to carry out this work.

~~4.2.24~~**4.4.3** Following the issue of the Replacement Notice, NGET and the relevant TO shall meet the Users if required to discuss the engineering and economic reasons for the project, and to consider options, programme and costs associated with the replacement. **The processes in paragraphs 4.7.3 to 4.7.7 shall be followed to gain agreement with the affected User(s) prior to the commencement of works.**

#### ~~4.3~~**4.5 Quarterly Investment Plan Update**

~~4.3.14~~**4.5.1** Each TO shall make a formal update to its Investment Plan every quarter (including Project Listing, any changed PLDs and appropriate TO Models). Any material changes in between the quarterly updates (including schemes changing status from planned to firm and new schemes being added to the plan) shall be notified as soon as possible via an email to NGET and the appropriate TO if within Boundary of Influence. Any Party may request further details about proposed changes, e.g. updated models or PLDs if required.

#### ~~4.4~~**4.6 Changes to Planning Assumptions**

~~4.4.14~~**4.6.1** At any time, NGET may produce new Planning Assumptions either as a consequence of a TO requesting additional information from NGET (this may follow the TO receiving notification from NGET of a disconnection notice), or if NGET decides it is appropriate to produce new Planning Assumptions. In such cases, the Parties shall agree which parts of the process in section 4.2 shall be followed to produce revised Project Listings and their associated revised or new Project Listing Documents.

#### ~~4.5~~**4.7 Detailed Option Development**

##### ~~4.5.14~~**4.7.1 Economic Analysis**

~~4.5.1.14~~**4.7.1.1** At the discretion of the TO, the TO shall work up an option in detail, using the consistent data Models. This will include detailed analysis of the chosen option against the latest Investment Planning Ranking Orders and Investment Planning

Demand background, and will enable the production of a more detailed Outage programme.

~~4.5.1.2~~**4.7.1.2** Should the TO wish to carry out further economic analysis, NGET shall provide economic data at the request of the TO. For the avoidance of doubt, the data will not be detailed about the economics of any particular User.

~~4.5.1.3~~**4.7.1.3** Based on the options available for the project, the relevant TO shall confirm the preferred solution to address a particular need. This will enable a firm assessment of the Outage proposals for the project to be undertaken by the TO, and an assessment of the Outage plan to be undertaken by NGET. The TO shall also assess the impact of the project on other projects in its licensed area.

~~4.5.1.4~~**4.7.1.4** NGET shall provide comments on the project to the relevant TO. This will include for example:

- minor changes to timing to enable best fit with other projects;
- changes to design to minimise constraints;
- any impact on NGET assets; and
- estimate of impact, if any, on User assets.

~~4.5.1.5~~**4.7.1.5** Following receipt of any comments from NGET, the TO shall assess NGET's comments, and revise the project accordingly. At the TO's discretion the status of the project within Project Listings will then be flagged as "firm". At this stage the scheme can still be changed. Any resulting changes in Outages shall be requested in accordance with STCP 11-1 Outage Planning.

#### **4.5.2.4.7.2 Changes to NGET assets**

~~4.5.2.14~~**4.7.2.1** If changes to NGET assets are required as a result of a TO project, NGET shall consider the necessary works. These works, **should NGET consider these as economic and efficient**, will be added to NGET Project Listings and flagged as "firm".

#### **4.5.3.4.7.3 User Works and changes to Transmission Connection Assets**

~~4.5.3.14~~**4.7.3.1** NGET shall identify if there are changes to Transmission Connection Assets or a requirement for User works.

#### **~~4.7.4~~ No User Works or changes to Transmission Connection Assets**

~~4.5.4.14~~**4.7.4.1** Where the ~~works~~**project** does not involve changes to Transmission Connection Assets and ~~does~~ not trigger User works, NGET shall confirm that no TO Construction Offer shall be required and the ~~works~~**project** may proceed.

#### **~~4.7.5~~ Changes to Transmission Connection Assets**

~~4.7.5.1~~ Where changes to Transmission Connection Assets identified by the TO are due to asset life expiry, NGET shall request a TO Construction Offer and the TO shall make an offer to NGET using the relevant parts of STCP 18-1. NGET shall subsequently progress agreement with the User in accordance with the GB CUSC. Where required, the TO and NGET shall meet with the affected User to discuss the proposals.

~~4.7.5.2~~ Where changes to Transmission Connection Assets identified by the TO are triggered by the increased capability of the GB Transmission System (i.e. change in supply voltage, increase in fault levels, etc), the TO shall provide a Modification Request to NGET and NGET shall follow the GB CUSC (and subsequent STCP18-1 process) to obtain User agreement.

~~4.7.5.3~~ For the avoidance of doubt, the TO shall not progress changes to Transmission Connection Assets until NGET has obtained appropriate agreement with the affected User or any dispute has been determined by the Authority pursuant to the GB CUSC.

~~4.5.3.3 If there are changes to Transmission Connection Assets, NGET shall request a TO Construction Offer, and the TO shall make an offer to NGET using relevant parts of STCP 18-1.~~

~~4.5.3.4 If Transmission Connection Assets require replacement, NGET shall make an offer for asset replacement to the User, in accordance with the GB CUSC. This offer shall be issued no sooner than 6 months after the asset Replacement Notice in section 4.2.234.~~

#### ~~—4.7.6 User works required~~

~~4.5.6.14.7.6.1~~ If User works are required, NGET shall submit a Modification Notification **to progress discussions with** the User in accordance with the GB CUSC.

~~4.5.3.6 Upon receipt of the Modification Notification, the User will submit a Modification Application, in accordance with the GB CUSC.~~

~~4.5.3.7 Upon receipt of the Modification Application from the User, in accordance with the GB CUSC, NGET shall make a Modification Offer. The process for Modifications is outlined in STCP 18-1 Connection and Modification Application~~

~~4.5.3.8 Following the signing of the Modification Offer by the User within the offer validity period, NGET shall sign the TO Construction Offer and the TO may proceed with the construction of the project in accordance with STCP 19.2 Construction Process and Scheme Closure.~~

**4.7.6.2** Should the User not sign the Modification Offer within the offer validity period, the works cannot proceed and the User or NGET (with the agreement of the TO) can take the application to the Authority to settle any dispute under the terms of the CUSC. **For the avoidance of doubt, these discussions will result in following the process outlined in STCP 18-1 Connection and Modification Application.**

**4.7.6.3** Should agreement with the User not be obtained, the works cannot proceed and the User or NGET (with the agreement of the TO) can take the application to the Authority to settle any dispute under the terms of the GB CUSC.

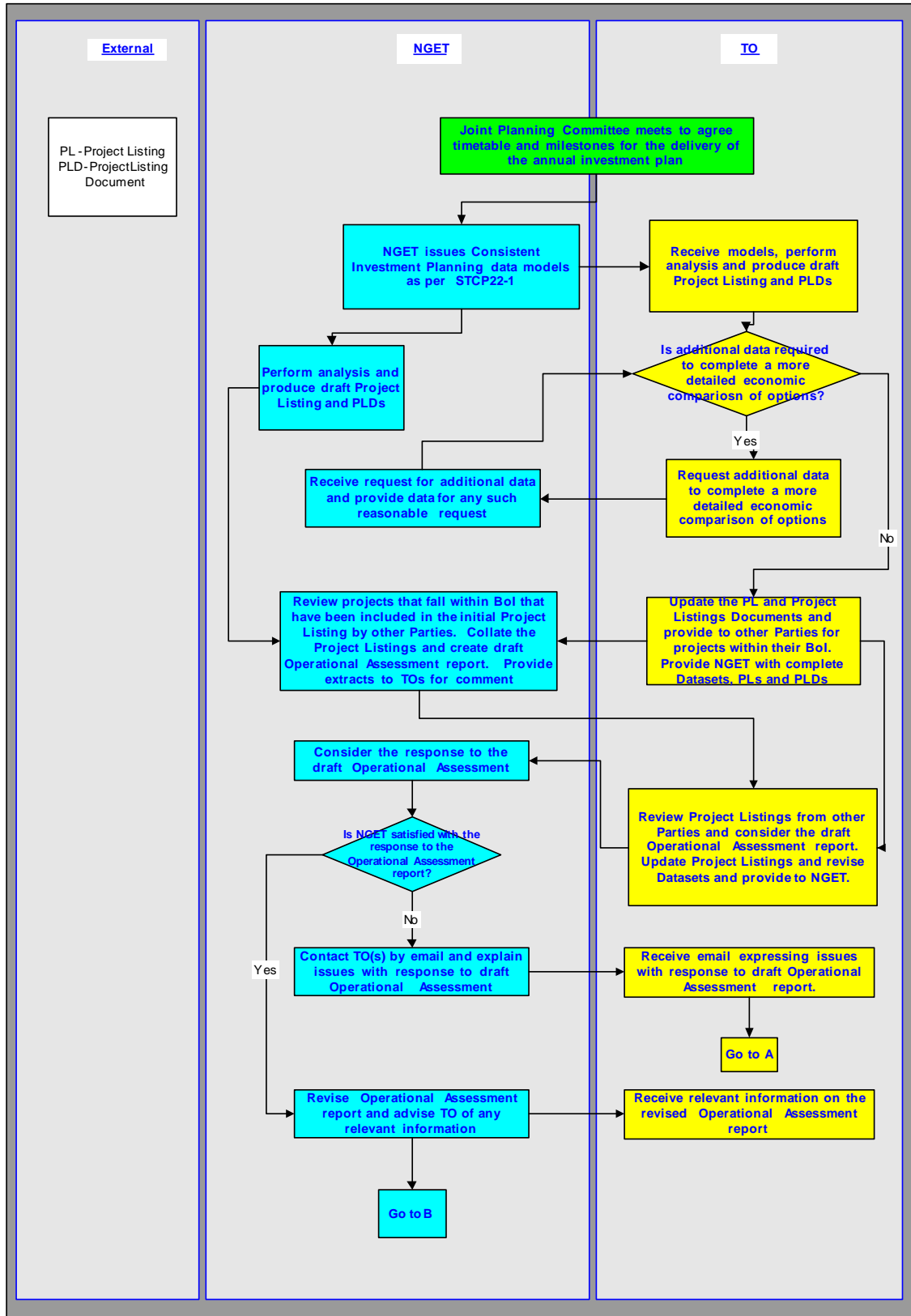
#### **4.7.7 Failure of Asset or Urgent Safety Issue**

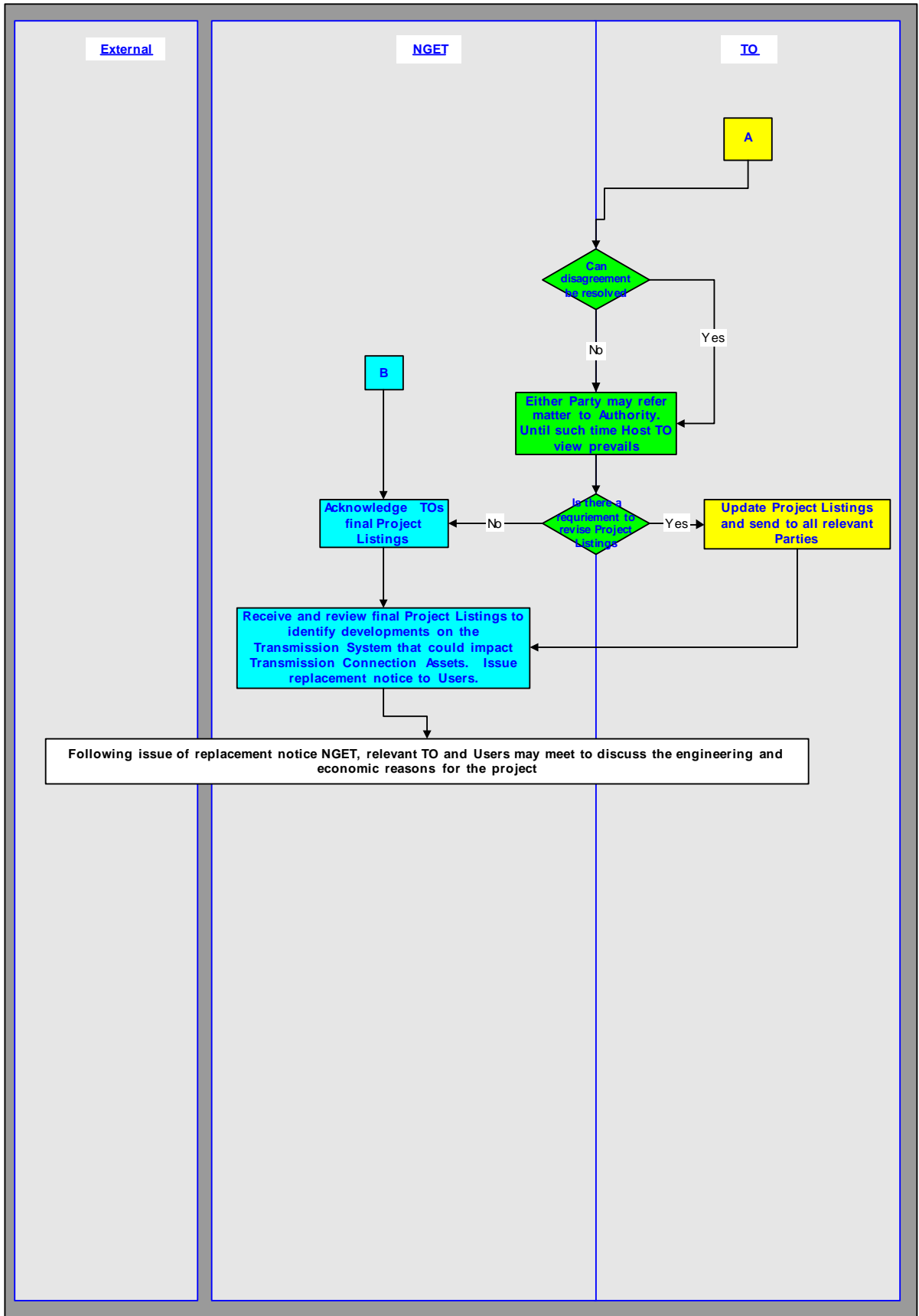
~~4.5.6.5~~

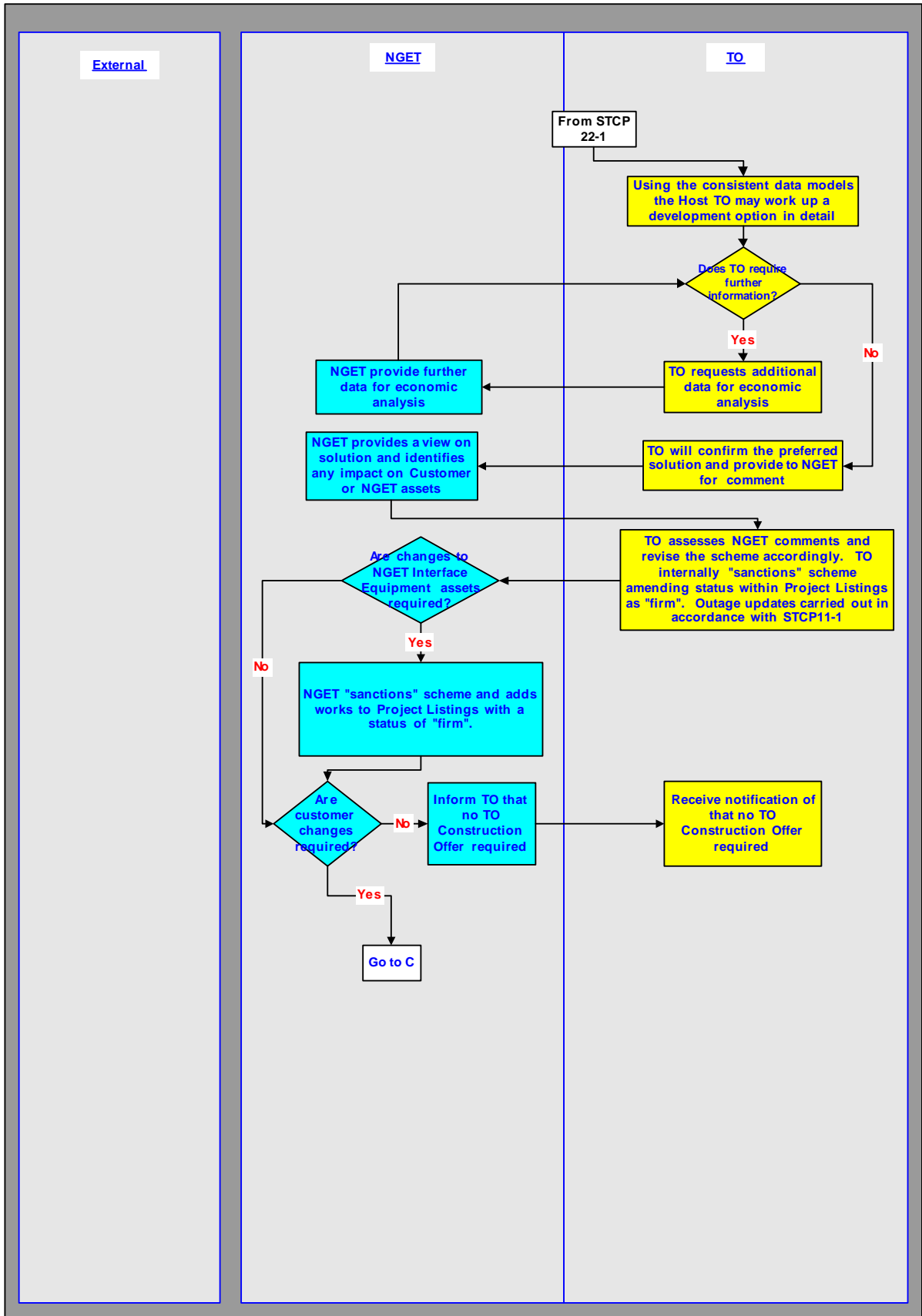
~~4.5.6.6~~**4.7.7.1** Notwithstanding paragraphs **4.7.3** to ~~4.5.3.1 to 4.5.6.5~~**4.7.6**~~4.7.6~~, in the event of either a failure of a TO asset in situ, or an urgent safety issue, NGET and the TO shall consult with the User(s) as far as reasonably practicable prior to the replacement of the affected asset. NGET shall advise the User of the change and as soon as possible make an offer for the replacement, which may be accepted or referred to the Authority **progress agreement**, in accordance with the **GB CUSC**.

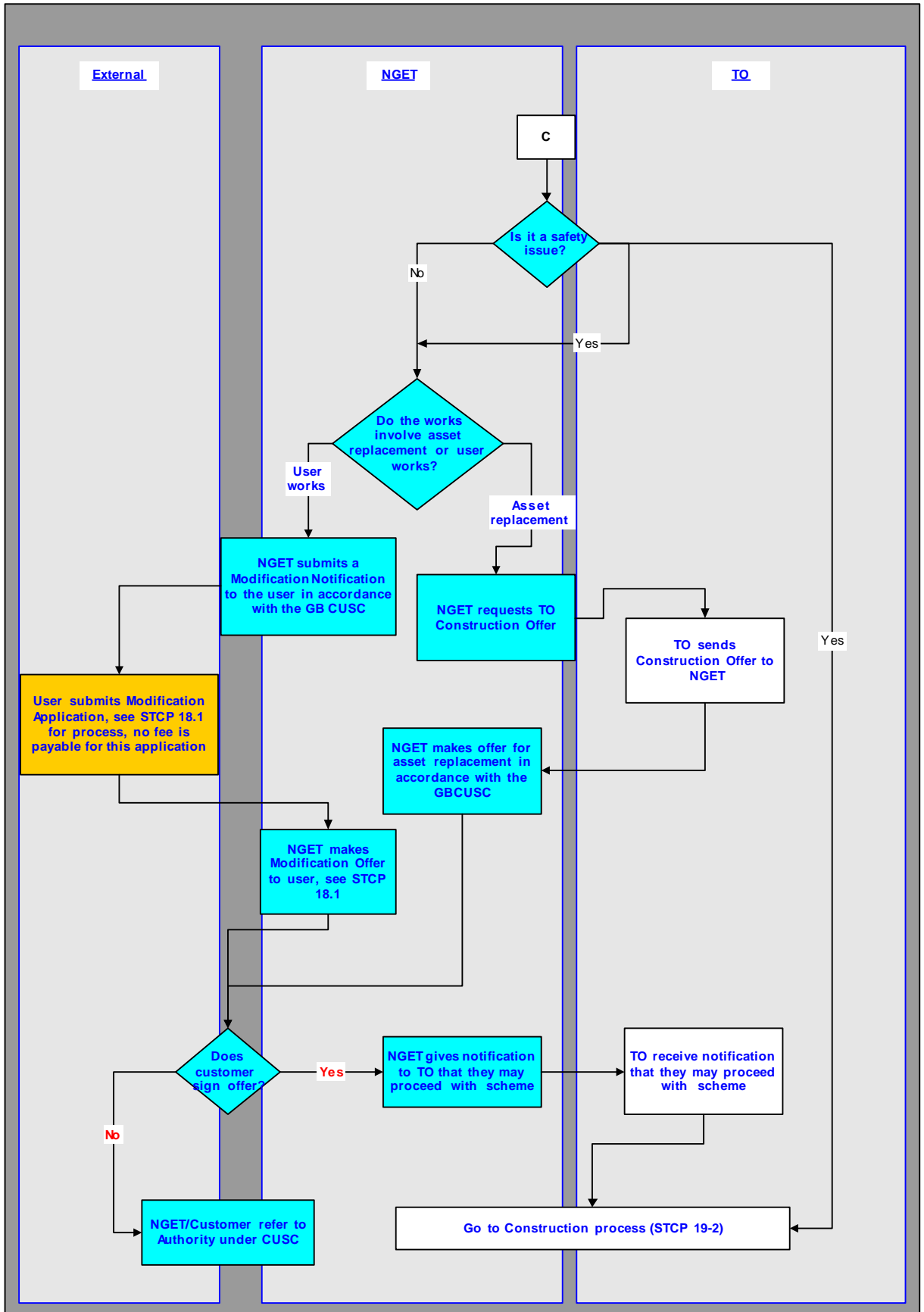
***Appendix A: Flow Diagram***

Note that the Process Diagrams shown in this Appendix A 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.









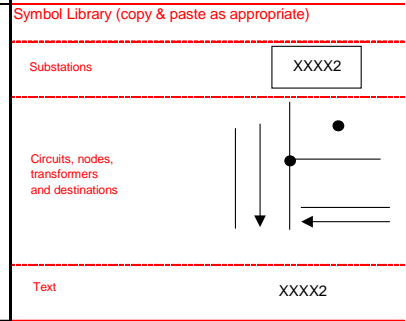


**Appendix B: Project Listing Document**

**Project Listing Document**

Project Number [ ]  
Project Name [ ]  
Description [ ]  
Scheme Driver [ ]  
Project Status [ ]  
Document Reference [ ]  
Planning Background [ ]  
Version Number of Document [ ]  
Project List Item Authorisation [ ]  
Company [ ]  
Representative [ ]  
Date [ ]  
Does this scheme trigger the replacement of Transmission Connection Assets? [ ]  
Will the scheme trigger User works? [ ]  
Material Impact [ ]  
Comments [ ]

Schematic Diagram [ ]



Indicative Outages (where appropriate)  
Enter OUTLINE outage needs by circuit, in weeks (use format **ww.d**) for the appropriate outage years

Circuit	Circuit ID	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11	2011/12
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Commissioning Date [ ]  
Stage by stage drawings available [ ]  
First commissioning panel [ ]

Node & Line Data Data type	Circuit Identification			Parameters				Rating		
	From	To	ID	R	X	B	Tap	Summer	Spr/Aut	Winter
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
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Other Data	Parameter1	Parameter2	Parameter3	Parameter4	Parameter5	Parameter6	Parameter7	Parameter8	Parameter9	Parameter10
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**Appendix C: Project Listing**

**Project Listing**

Planning Background	SYS 20Oct2004		
Version	1		
Last Updated	19/May/2005		
Comments			

Project Number	Project Name	Company	Material Impact	Scheme Driver	Commissioning Date	Project Status	Version	Last Updated	Replacement?	User Works?

***Appendix D: Modification Request Proforma***

**Modification Request**

1. This Modification Request is issued by the Transmission Owner pursuant to Paragraph 4.7 of STCP16-1 (Investment Planning).
2. The Transmission Owner proposes to make the Modification to their Transmission System set out below:-
3. The Transmission Owner reasonably believes that the User may have to carry out the following works as a result of the proposed Modification.
4. The Modification Request is the means of the Transmission Owner notifying NGET to facilitate a Modification Notification pursuant to the GB CUSC.

Dated:

Signed for and on behalf of  
*Name of Transmission Owner*

## **Appendix DE: Abbreviations & Definitions**

### **Abbreviations**

DNO	Distribution Network Operator
GB SQSS	GB Security and Quality of Supply Standard
JPC	Joint Planning Committee
JSDL	Joint System Development Liaison Group
PLD	Project Listing Document
SHETL	Scottish Hydro-Electric Transmission Ltd
SPT	SP Transmission Ltd
SRS	Site Responsibility Schedules
STC	System Operator Transmission Owner Code
SYS	Seven Year Statement
TO	Transmission Owner

### **Definitions**

#### **STC definitions Used:**

Authority  
CUSC  
Customer  
Distribution Licence  
Emergency Return To Service  
GB  
GB Transmission System  
Grid Code  
Modification  
NGET  
NGET Investment Plan  
Outage  
Party  
Seven Year Statement  
Transmission Connection Assets  
Transmission Investment Plan  
TO Construction Offer  
TO Construction Agreement  
Transmission Investment Plan  
User

#### **Grid Code Definitions Used:**

Grid Supply Points

**CUSC Definitions Used:**

Bilateral Agreement

Modification Notification

~~Modification Application~~

~~Modification Offer~~

Replacement Notice

**Definitions used in the document that are covered in other STCPs:**

Boundary of Influence – as defined in STCP 22-1.

Commissioning Panel – as defined in STCP19-4

Host TO – as defined in STCP18-1

Hybrid GB Investment Planning Model - as defined in STCP 22-1

Investment Planning – as defined in STCP22-1

Summer Minimum GB Investment Planning Model - as defined in STCP 22-1

TO Model - as defined in STCP 22-1

Ranking Order – as defined in STCP 22-1