

STCP20-1 Issue 005 Electricity Ten Year Statement

STC Procedure Document Authorisation

Company	Name of Party Representative	Signature	Date
National Grid Electricity System Operator Ltd			
National Grid Electricity Transmission plc			
SP Transmission plc			
Scottish Hydro Electric Transmission plc			
Offshore Transmission Owners			

STC Procedure Change Control History

Issue 001	26/05/2005	Issue 001 following BETTA Go-Live
Issue 002	25/11/2005	Issue 002 incorporating PA034, PA037 & PA042
Issue 003	14/02/2012	Issue 003 Incorporating OFTOs
Issue 004	10/08/2016	Issue 004 incorporating PM091
Issue 005	01/04/2019	Issue 005 incorporating National Grid Legal Separation changes

1 Introduction

1.1 Scope

- 1.1.1 This procedure describes the process for producing and publishing the Electricity Ten Year Statement (ETYS).
- 1.1.2 This procedure applies to NGESO and each TO. For the purposes of this document, TOs are:
- National Grid Electricity Transmission plc;
 - SP Transmission plc;
 - SHE Transmission;
 - All OFTOs.
- 1.1.3 This procedure defines the tasks, formal documentation, interface requirements, timescales and responsibilities that apply to NGESO and the TOs.
- 1.1.4 NGESO shall be responsible for preparing and publishing the ETYS in accordance with its Transmission Licence. This will include:
- submitting proposed changes to the ETYS Form to the Authority for approval;
 - creating the Future Energy Scenarios;
 - carrying out analysis on the Transmission System;
 - producing the relevant commentaries;
 - collating and compiling the ETYS document; and
 - making the ETYS publicly available.
- 1.1.5 Each TO shall be responsible for supporting NGESO in producing and publishing the ETYS. This will include:
- creating and updating the GB network models for their TO network;
 - carrying out analysis on its Transmission System;
 - producing the deliverables relevant to the respective TO network (tables, figures, text etc.) to be included in the ETYS; and
 - producing relevant commentaries.

1.2 Objectives

- 1.2.1 The objective of this procedure is to detail how creation of the annual ETYS will be coordinated across the SO ~ TO interface and the TO ~ TO interface, so as to ensure that responsibilities are clear and Transmission Licence conditions are satisfactorily discharged.

2 Key Definitions

2.1 For the purposes of STCP 20-1:

- 2.1.1 **Consultation Freeze Date** means the closing date for the ETYS Annual Review consultation. For the avoidance of doubt this date will be no later than 30th April of each calendar year. This is the date that NGESO cease to consider comments from industry participants for that year's publication of the ETYS.
- 2.1.2 **Stakeholders** mean any user of the ETYS including TOs.
- 2.1.3 **ETYS Form** means the scope and format of the Statement.
- 2.1.4 **ETYS Form Outline** means the document that NGESO shall submit to the Authority which records all the proposed changes that NGESO wishes to make to the ETYS Form.
- 2.1.5 **ETYS and NOA Study Guidelines** means a document agreed between NGESO and the TOs that specifies details of the analysis work for the ETYS and NOA. It includes: generic Planning Assumptions, the ETYS and NOA Programmes, TO and NGESO deliverables and the format in which they will be presented, contingencies and rules of comparison (i.e. acceptable tolerances) for consistency checking, outlines of the analysis work to be carried out (i.e. scenarios and sensitivities)
- 2.1.6 **ETYS Programme** means the programme of works to be undertaken by the SO and TOs to deliver the annual ETYS.
- 2.1.7 **JPC ETYS and NOA sub-group** means the group formed under section 3.1.1.

3 Procedure

3.1 Working Group

- 3.1.1 To facilitate ETYS and NOA co-ordination between NGESO and the TOs, a subgroup of the Joint Planning Committee (JPC), as formed in accordance with STCP 16 1, shall be formed with membership by each relevant party. Reporting of this ETYS and NOA subgroup actions and recommendations shall be to the JPC.
- 3.1.2 ETYS and NOA subgroup meeting intervals are to be decided by the subgroup and dependant on the ETYS and NOA programmes. Regular meetings are expected during the ETYS active modelling, analysis and drafting stages of the ETYS programme.

3.2 Disputes

- 3.2.1 Any disputes arising within the subgroup unresolved within 20 days shall be referred to the JPC.

3.3 Consultation and Contents/Format Approval

- 3.3.1 Following the Consultation Freeze Date, NGESO shall evaluate any responses that relate solely to NGESO's contribution to the ETYS. NGESO and each TO shall jointly evaluate responses that are related solely to the TOs' contributions to the ETYS in an 'ETYS Form Outline' meeting, if required.
- 3.3.2 Not less than 5 Business Days prior to the ETYS Form Outline meeting NGESO shall forward any Stakeholders responses to be discussed at the meeting, for consideration by the TOs. The Parties shall endeavour to agree any changes to the ETYS Form that will impact on the TOs ETYS deliverables within 20 Business Days of closure of the Consultation Freeze Date.
- 3.3.3 Following the ETYS Form Outline meeting, if there are any proposed changes, NGESO shall produce a draft of the ETYS Form Outline document containing the proposed

changes to the ETYS Form, highlighting any changes from the previous year's ETYS format. This document will include possible changes to the TOs' deliverables.

- 3.3.4 NGESO shall circulate the draft of the ETYS Form Outline to each TO, who shall then submit comments to NGESO. NGESO shall incorporate comments from each TO into the ETYS Form Outline where appropriate. When the ETYS Form Outline has been finalised and agreed by the Parties it shall be formally signed off by a company representative within 30 Business Days of the Consultation Freeze Date.
- 3.3.5 If NGESO and TOs fail to agree upon the ETYS Form for the next ETYS, either Party may raise a dispute in accordance with the STC.
- 3.3.6 NGESO shall submit the revised ETYS Form Outline document, incorporating the Stakeholder's comments as appropriate, to the Authority for approval by no later than 31st May (of each calendar year).
- 3.3.7 If there are no proposed changes to the ETYS Form then no submission is required.
- 3.3.8 Following the submission of the ETYS Form Outline document to the Authority, NGESO and where relevant the TOs, shall make themselves available to the Authority to discuss any aspects of the ETYS Form that may be of concern to the Authority, or which the Authority may wish to alter.
- 3.3.9 NGESO shall produce and submit to the TOs draft ETYS Programme and associated list of deliverables based on the previous year's ETYS Programme, updated to reflect any changes required to the submitted ETYS Form. This may also include any updates required to improve the efficiency of the ETYS production, identified from the previous years' experience.
- 3.3.10 NGESO shall produce and submit to the TOs' draft ETYS and NOA Study Guidelines, based on the previous years' ETYS and NOA Study Guidelines, updated to reflect any changes required to the submitted ETYS Form. This may also include any updates required to improve the efficiency of the ETYS production, identified from the previous years' experience.
- 3.3.11 The TOs shall respond to NGESO within 10 Business Days, with any issues or changes they would like to make to the draft ETYS Programme, list of deliverables or ETYS and NOA Study Guidelines.
- 3.3.12 NGESO shall revise the draft ETYS Programme, list of deliverables or ETYS and NOA Study Guidelines to reflect the TOs' comments where appropriate, and re-submit it to the TOs for agreement, within 10 Business Days of receiving the TOs' comments.
- 3.3.13 NGESO and each TO may meet to review any outstanding issues associated with the draft ETYS Programme, list of deliverables or ETYS and NOA Study Guidelines.
- 3.3.14 NGESO and TOs shall continue to produce the ETYS taking account of the proposed ETYS Form Outline document and the existing ETYS Form.
- 3.3.15 When NGESO has received the ETYS Form conclusions of the Authority and any amendments to the ETYS Form Outline document, NGESO shall notify the TOs of these amendments.
- 3.3.16 NGESO shall revise the draft ETYS Programme, list of deliverables or ETYS and NOA Study Guidelines to reflect any changes to the ETYS Form and submit the revisions to the TOs as soon as possible after the confirmation of the ETYS Form from the Authority, but not longer than 10 Business Days after that confirmation.
- 3.3.17 The TOs shall respond to NGESO within 10 Business Days, with any comments they would like to make to the ETYS Programme, list of deliverables or ETYS and NOA Study Guidelines.
- 3.3.18 NGESO shall revise the ETYS Programme, list of deliverables or ETYS and NOA Study Guidelines to reflect the TOs' comments where appropriate, and submit it to the TOs' for final agreement, within 10 Business Days of receiving the TOs' comments.
- 3.3.19 NGESO shall arrange a meeting with all the TOs' to discuss any changes in detail. When the ETYS Programme, list of deliverables and ETYS and NOA Study Guidelines

have been finalised and agreed by all Parties they shall be signed off by each of the Parties.

3.4 GB Model Creation

3.4.1 Parties shall create GB Models in accordance with STCP 22-1.

3.4.2 Before any models are created, all parties shall agree which Future Energy Scenarios shall be used for ETYS, NOA and Investment Planning modelling purposes.

3.5 Analysis and Commentaries

3.5.1 NGENSO and each of the TOs shall carry out analysis work in accordance with the agreed ETYS and NOA Study Guidelines to establish the information required for the ETYS. This will include:

- determining fault levels for each transmission node in their network;
- determining loading on each part of their Transmission System;
- determining forecast power flows on each part of their Transmission System;
- determining Boundary Capabilities,

3.5.2 Parties will follow the procedures in STCP22-1 to allow NGENSO to provide TOs with the GB ETYS Models.

3.5.3 Each TO shall provide draft commentaries on their Transmission System Boundary Capabilities to NGENSO. These shall include areas of opportunities and those boundaries that are close to their Boundary Capability limits. The TOs shall submit these draft commentaries to NGENSO in accordance with the agreed ETYS and NOA Study Guidelines (format and ETYS Programme).

3.5.4 NGENSO shall use the draft commentaries on the TOs' Transmission System Boundary Capabilities to evaluate the opportunities available to customers seeking to connect to and/or make use of the GB Transmission System. NGENSO shall discuss the availability of opportunities with each TO that exists on that TO's Transmission System. Following discussions with each TO, NGENSO shall prepare the commentary indicating those parts of the GB Transmission System most suited to new connections and transport of further quantities of electricity.

3.6 Production and Publication

3.6.1 NGENSO and each of the TOs shall produce outputs from their network analysis including the relevant text, in accordance with the ETYS Programme and associated list of deliverables. Each TO shall submit to NGENSO their completed outputs in accordance with the ETYS Programme.

3.6.2 NGENSO shall use the completed outputs to prepare a draft of the ETYS, (including the text, figures, tables and appendices) in accordance with the agreed ETYS Form.

3.6.3 In accordance with the ETYS Programme, NGENSO shall send the relevant sections of the draft ETYS document to the relevant TO for comment. The TO shall provide comments back to NGENSO within 10 Business Days of receiving the relevant sections of the draft ETYS document.

3.6.4 NGENSO shall evaluate the comments from the TOs and redraft the ETYS document incorporating the TOs' comments as appropriate. NGENSO shall re-circulate the relevant sections of the document to the TOs for final comments in line with the dates set out by the ETYS Programme.

3.6.5 The TOs shall provide to NGENSO, from the appropriate company representative, agreement to the relevant sections of the ETYS (in accordance with the ETYS

STCP20-1 Electricity Ten Year Statement

Issue 005 – 01/04/2019

Programme). If required, NGENSO shall arrange a meeting with the TOs to discuss any outstanding comments and gain editorial agreement.

3.6.6 NGENSO shall publish the ETYS in accordance with its Transmission Licence.

Appendix A: Abbreviations & Definitions

Abbreviations

NGESO	National Grid Electricity System Operator Ltd
NGET	National Grid Electricity Transmission plc
NOA	Network Options Assessment
SHE Transmission	Scottish Hydro Electric Transmission plc
SPT	SP Transmission plc
STC	System Operator – Transmission Owner Code
ETYS	Electricity Ten Year Statement
TO	Transmission Owner

Definitions

STC definitions used:

Authority

Business Days

Electricity Ten Year Statement

ETYS Programme

Future Energy Scenarios

NGESO

NOA

Offshore Transmission Owner

Party

Transmission Licence

Transmission Owner

Transmission System