

System Operator – Transmission Owner Code (STC)

Title of the STCP Modification Proposal
Modification of STCP01-1 Appendix D to provide a trigger phrase for controlling the power flow on a HV DC transmission line.
Submission Date
18 June 2014
Description of the Issue or Defect that the STCP Modification Proposal seeks to address
The current range of trigger phrases do not allow the specification of load flow on the circuit, given that in HV AC transmission this value is governed by the characteristic of the network generation and demand. With HV DC transmission the flow is determined by the setting of its associated control system, hence needs to be specified by the 'SO' to the 'TO'.
Description of the STCP Modification Proposal
The nature of the proposal is to define an additional trigger phrase for inclusion in STCP01-1 Appendix D which will suitably define the requirements which need to be made in order to satisfy the issue raised above. The trigger phrase is described as follows Load to Load (-----) / (----) kV circuit to (<i>amount/direction</i>) at a ramp rate of (<i>MW/minute</i>) This term acts as a trigger phrase to ensure all the required checks and actions are completed before an operation is carried out to change the load on a DC transmission line, in accordance with procedures and safety rules, and that the quantity, direction and speed of change are defined.
Impact on the STC
No impact
Impact on Core Industry Documentation. Please tick the relevant boxes and provide any supporting information
BSC <input type="checkbox"/> Grid Code <input type="checkbox"/> CUSC <input type="checkbox"/> Other <input type="checkbox"/> (<i>please specify</i>)
No impact envisaged on the above categories although the use of LSP's may be required in the future where a DC transmission line is associated with a generator connection.

Impact on Computer Systems and Processes onused by STC Parties:

No impact envisaged on the above category.

Details of any Related Modification to Other Industry Codes

N/A

Justification for STC Modification Proposal with Reference to Applicable STC Objectives:

Please tick the relevant boxes and provide justification:

(a) efficient discharge of the obligations imposed upon transmission licensees by transmission licences and the Act.

Provides control of power flow on HVDC transmission lines

(b) development, maintenance and operation of an efficient, economical and coordinated system of electricity transmission.

Provides control of power flow on HVDC transmission lines

(c) facilitating effective competition in the generation and supply of electricity, and (so far as consistent therewith) facilitating such competition in the distribution of electricity

(d) protection of the security and quality of supply and safe operation of the national electricity transmission system insofar as it relates to interactions between transmission licensees.

Provides control of power flow on HVDC transmission lines

(e) promotion of good industry practice and efficiency in the implementation and administration of the arrangements described in the STC.

(f) facilitation of access to the national electricity transmission system for generation not yet connected to the national electricity transmission system or distribution system;

Provides control of power flow on HVDC transmission lines associated with off shore generation.

Additional details

Details of Proposer: (Organisation Name)	National Grid
Capacity in which the STCP Modification Proposal 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:	Colin Stelfox National Grid / Market Operation 07768552334 Colin.stelfox@nationalgrid.com
Details of Representative's Alternate: Name: Organisation: Telephone Number: Email Address:	David Gregory National Grid 01189 363405 David.Gregory1@nationalgrid.com
Attachments (Yes/No): No	

Contact Us

If you have any questions or need any advice on how to fill in this form please contact the Modification Panel Secretary:

E-mail STCTeam@nationalgrid.com

Phone: 01926 653509

For examples of recent STC Modifications Proposals that have been raised please visit the National Grid Website at

<http://www2.nationalgrid.com/UK/Industry-information/Electricity-codes/STC/Modifications/>

Submitting the Proposal

Once you have completed this form, please return to the Panel Secretary, either by email to Lucy.Hudson@nationalgrid.com and copied to STCTeam@nationalgrid.com, or by post to:

Lucy Hudson
STC Modification Panel Secretary, TNS
National Grid Electricity Transmission plc
National Grid House
Warwick Technology Park
Gallows Hill
Warwick
CV34 6DA

The Modification Panel Secretary will check the form has been completed, in accordance with the requirements of the STC. If no more information is required, the Modification Panel Secretary will contact you with a Modification Proposal number and the date the Proposal will be considered by the Panel. If, in the opinion of the Modification Panel Secretary, the form fails to provide the information required in the STC, the Proposal can be rejected. You will be informed of the rejection and the Modification Panel will discuss the issue at the next meeting. The Modification Panel can reverse the Modification Panel Secretary's decision and if this happens the Modification Panel Secretary will inform you.