

System Operator – Transmission Owner Code (STC)

Title of the STCP Modification Proposal
Introduction of a new STCP to cover the functional requirements of Active Network Management schemes (ANMs)
Submission Date
18 June 2014
Description of the Issue or Defect that the STCP Modification Proposal seeks to address
There is no procedure to manage the specification, complexity and testing of ANM Schemes or to regulate the flow of sensitive Market data if required by such schemes such that the system is operated in an economic, efficient and coordinated manner.
Description of the STCP Modification Proposal
<p>NG support the adoption of ANM schemes where appropriate, but the wide scale adoption of such schemes will require further sophistication in the form of an automatic Balancing Market interface and a functional manual override when required, such that regular inputs by NG Control Engineers would not be required.</p> <p>The BM interface would need the functionality to</p> <ul style="list-style-type: none">a) cater for changing Bid-Offer Acceptances,b) maintain the frequency response holding on generators in the Balancing Market in the same group,c) interact with other ANMsd) interact with inter-trip schemes <p>There is also some concern as to the level of complexity of such systems particularly when they interact with others and with inter-tripping schemes and thus it is believed that a limit on complexity should be established, but it is recognised that a well designed ANM scheme could bring considerable benefit.</p> <p>NGET should be fully involved in the specification and testing NM schemes that are developed in order that it can be assured that the system will work correctly and therefore the system is being operated in an economic, efficient and coordinated manner. Topics such as the degree of</p>

duplication of systems and communications channels should be outlined.

Impact on the STC

None known at time of creation

Impact on Core Industry Documentation. Please tick the relevant boxes and provide any supporting information

BSC

Grid Code

CUSC

Other
(please specify)

Possible impact on contractual frameworks, BSC – compensation if ANM system fails/malfunctions, CUSC in that offers may be conditional on the commissioning of a demonstrably fair and competent ANM scheme.

Impact on Computer Systems and Processes used by STC Parties:

Possible impact on Energy Balancing System EBS in the future

Details of any Related Modification to Other Industry Codes

None known at time of creation

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

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

This procedure to manage the adoption of ANM will define that good practice through consultation.

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

With a defined procedure to manage the adoption of ANM it will be possible to grant access to applicants in a consistent and efficient manner.

Additional details

Details of Proposer: (Organisation Name)	
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))	
Details of Proposer's Representative: Name: Keith Dan Organisation: NGET Telephone Number: 01926 655336 Email Address: Keith.dan@nationalgrid.com	
Details of Representative's Alternate: Name: Andrew Hiorns Organisation: NGET Telephone Number: 01926 655421 Email Address: Andrew.hiorns@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.