STCP Modification Proposal Form

PM076

1. Title of Modification Proposal *(mandatory field)*

Update STCP04-2 to add IEC60870-5-101 Communication Protocol

2. Description of the Proposed Modification *(mandatory field)*

Minor text updates required to support the addition of IEC60870-5-101 (IEC101) to the list of acceptable communication protocols, alongside GI74 in STCP04-6.

(This change is a consequence of proposal PM070 previously submitted to modify STCP04-6.)

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

National Grid has approved IEC101 for its own use and has received expressions of interest to use this protocol from wind farm developers. The purpose of this proposal is to update STCP04-6 to allow use of this protocol (subject to any existing rules on type registration of equipment). It is expected that IEC101 will be preferred for all new TO assets covered by this STCP.

This change will not be retrospective. However, TOs with existing GI74 communications equipment are not prevented from changing to IEC101 subject to meeting the technical requirements in STCP04-6.

4. Impact on the STC *(mandatory field)*

None. This is a data transport mechanism only and has no impact on the data that is required to be sent to/from National Grid.

5. Impact on other frameworks e.g. CUSC, BSC *(information should be given where possible, if no impact please put 'None')*

None.

6. Impact on Core Industry Documentation *(information should be given where possible, if no impact please put 'None')*

None.

7. Impact on Computer Systems and Processes used by STC Parties *(information should be given where possible, if no impact please put 'None')*

None as this is not retrospective.

8. Details of any Related Modifications to Other Industry Codes *(information should be given where possible, if no impact please put 'None')*

None.

9. Justification for Proposed Modification with Reference to Applicable STC Objectives *(mandatory field, please provide justification against each objective, if the objective is not better facilitated put 'the proposal has a neutral impact on this objective')*

STC Objectives

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

The proposal has a neutral impact on this objective.

(b) development, maintenance and operation of an efficient, economical and co-ordinated system of electricity transmission;

The proposal has a neutral impact on this objective.

(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;

The proposal has a neutral impact on this objective.

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

The proposal has a neutral impact on this objective.

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

The proposal supports this objective by promoting the use of an industry standard communications protocol instead of a National Grid proprietary protocol. This change should make it easier to source and maintain the relevant communications interface equipment.

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

The proposal has a neutral impact on this objective.

Details of Proposer Organisation's Name	Ian Bennett National Grid
Capacity in which the Modification 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	Audrey Ramsay National Grid Electricity Transmission plc 01189 363633 Audrey.Ramsay@nationalgrid.com

Details of Representative's Alternate Name Organisation Telephone Number Email Address	Damien McCluskey National Grid Electricity Transmission plc 01926 656034 Damien.McCluskey@nationalgrid.com
Attachments (Yes/No):	

Notes:

1. Those wishing to propose a Modification to the STC should do so by filling in this "Modification Proposal Form" that is based on the provisions contained in Section 7.2 of the STC.

2. The Modification Panel Secretary will check that the form has been completed, in accordance with the requirements of the STC, prior to submitting it to the Modification Panel. If the Modification Panel Secretary accepts the Modification Proposal form as complete, then she/he will write back to the Proposer informing them of the reference number for the Modification Proposal and the date on which the Committee will consider the Proposal. If, in the opinion of the Modification Panel Secretary, the form fails to provide the information required in the STC, then he/she may reject the Proposal. The Modification Panel Secretary will inform the Proposer of the rejection and report the matter to the Modification Panel at their next meeting. The Modification Panel can reverse the Modification Panel Secretary's decision and if this happens the Modification Panel Secretary will inform the Proposer.

   The completed form should be returned to:

   Lucy Hudson
   STC Modification Panel Secretary
   Regulatory Frameworks
   National Grid
   National Grid House
   Warwick Technology Park
   Gallows Hill
   Warwick, CV34 6DA

   Or via e-mail to: Lucy.Hudson@nationalgrid.com