

STC Working Group on Offshore Transmission

Offshore Operational Model Discussion

12 February 2008

Introduction

The group is asked to consider a range of activities which will need to be performed on an offshore transmission network whilst it is in operational service. The discussion should take account of NGET's role in directing the configuration of the GB transmission network and the fact that each offshore network is likely to have a direct interface with a transmission user.

Three connection arrangements should be considered, transmission or distribution in England and Wales or connection to transmission in Scotland.

The discussion is intended to inform the group's thinking on offshore operational models and to develop any further specific requirements relevant to control facilities for offshore transmission equipment.

Discussion

Consider for each activity and each onshore host network:

- How often the activity will be carried out?
- What obligations are driving the activity?
- Who is the principal affected party?
- Who are the interfacing parties?
- Who are the other affected parties?
- What resources are required?

The group should aim to discuss these points for each of the following activities and events:

- 1) SVC Control;
- 2) Static Reactive Equipment Control;
- 3) Transformer Tapping;
- 4) HVDC Control;
- 5) Circuit Off-Loading;
- 6) Circuit De-Energisation;
- 7) Re-configuration;
- 8) Primary Transmission Equipment Fault;
- 9) Response to Alarms and Indications;
- 10) Post Fault Restoration;
- 11) Isolation and Earthing;
- 12) Return to Service;
- 13) Loss of Main Control Facility;
- 14) Loss of External Communications from Main Control Facility; and
- 15) Management of a Major Transmission System Incident.