2 Further standardisation work in the field of HVDC cables

Study Committee No: B1

WORKING BODY FORM

Group No: TF B1-42	**Name of Convener:** xx (yy)
TITLE of the Group: Further standardisation work in the field of HVDC cables	

General

The introduction of Voltage Source Converter (VSC) technology has increased the interest for HVDC power transmission. Extruded HVDC cables were introduced in parallel with the new converter technology at relatively low voltage levels, but projects are now being developed with extruded cables at 320 kV voltage level. VSC converters are also used together with mass-impregnated HVDC cables and projects are now being realized at 525 kV voltage level.
SC B1 has published several revisions of test recommendations for testing HVDC cables. WG B1-32 has now completed its work with the test recommendation for extruded HVDC cables for voltage levels up to 500 kV. However, with the very fast increase in use to HVDC cables, it is likely that there is a need for further standardisation work within this field. This Task Force should therefore consider the need for further standardisation work and suggest Terms of Reference for a potential future Work Group.

Terms of Reference

Consider the need for further standardisation activities in the field of HVDC cables and prepare ToR for a future Work Group.

Scope of Activities

- Collect proposals for standardisation activities from the main utilities using HVDC cable systems
- Collect proposals for standardisation activities from the manufacturers of HVDC cable systems
- Propose Terms of Reference for a potential Work Group

Deliverables

ToR for a future Work Group on HVDC cable systems

Created: 2011, **Duration:** 1 year

Convener e-mail: xx

Countries represented:

Approval by TC Chairman : **Date :**