



Study Committee No : B1

WORKING BODY* FORM

Group No : WG B1-08	Name of Convener : R. AWAD (CA)
TITLE of the Group : Cable systems in multipurpose or shared structures	
<p>The possibility of using existing structures like railway and motorway tunnels, subways, bridges, gas, water and sewage supplies etc. for the simultaneous installation of electrical power transmission systems is becoming more and more attractive with regard to construction cost, right of way etc. The questions behind this option are not only technical and economical but are also related to mutual impacts during construction, normal operation and hazards, environmental compatibility, safety risks and legal and administrative issues.</p> <p>SC B1 decided to launch a WG, which shall investigate all aspects related to the co-existence of cable transmission systems and other installations in the same structure.</p> <p>The Scope of Work shall be:</p> <ul style="list-style-type: none">- MV, HV and EHV cable systems- Solid, fluid and gas insulated cable systems (including GIL *)- Multipurpose tunnels and structures shared with transport services (roads, rail and subways), piped services (water, oil, gas and sewage) and other utilities (other electricity services, telecommunications). <p>1 TERMS OF REFERENCE</p> <ul style="list-style-type: none">- Establish the appropriate terminology- Collect comprehensive global information and experience on the installation of cable systems in multipurpose or shared structures, using an adequate questionnaire developed by the WG.- Collate, summarise and review the information.- Identify the issues that need to be considered when installing underground cable systems in multipurpose or shared structures <p>The investigation shall consider, but not be limited to, technical aspects such as type of cables, design of structures, construction, installation, other infrastructure installed, mutual impacts, maintenance, repairs and operational constraints. It shall also address economical, occupational health and safety, environmental, administrative, legal and decision-making aspects.</p> <ul style="list-style-type: none">- Recommend guidelines for the practical application of cable systems in such installations. <p>*) Specific technical aspects of GIL will be investigated by a separate JWG B3/B1.09 which will give relevant technical input to WG B1-08. The groups will share information by mutual participation of at least one of their members.</p> <p>Created: 2004, Duration: 3 years, Extension: 1 year</p> <p>Deliverables : A final report to be submitted and discussed at 2008 SC B1 meeting.</p>	
Countries represented: AUSTRALIA, AUSTRIA, CANADA, FRANCE; ITALY; JAPAN; KOREA; SINGAPORE; SPAIN, SWEDEN; UK; USA	
Approval by TC Chairman : Aldo Bolza	Date : December 10, 2004

Rev a (October 2007) : Extension of one year and change of Convener due to difficulties to get information