Notes of VITO - Europacable Meeting held at Europacable offices on Monday, 28 October 2013

Brussels, 13 November 2013

Europacable proposes to publish this document on the EDD website for public reference.

Key topics of discussion

1) **Definition of scope of the preparatory study under the EDD revision**
   - VITO and Europacable agree that the scope of the preparatory should not be limited to “power cables” itself, but to be widened to “installation systems”.
   - VITO highlights that the approach to consider low voltage electrical installation systems will however partly originate from the losses caused by cables inside installations systems. Additionally it is recognized that other parts in the electrical installation and the way the installation is constructed have impact on the losses.
   - VITO highlights that the study concerns energy losses in cables in LV electrical systems in buildings. VITO recognizes that also other parts in the electrical system and the way the system is constructed impact the energy losses of the cables. The intention is to clarify that all parts in a system are interrelated and interfere with each other.
   - VITO points out that the key challenge will be to model the following three dimensions:
     - The array of parameters for the installations
     - The array of standards relevant for installations at the level of all EU Members States
     - The array of safety requirements relevant for installations at the level of all EU Member States
   - Europacable pointed out that the existing standards for installation systems give guidance for the selection of the appropriate cable cross section taking into account specific application parameters like
     - Requested ampacity
     - Length of the cable installed inside the system
     - Maximum allowed voltage drop
     - Installation conditions (ambient temperature, heat dissipation)
     - Maximum operating temperature for cables and the full installation system
     - Safety fuses and short circuit time
     - Number of cables per circuit
   - Europacable stressed that it fully supports the EDD objective of increasing energy efficiency. Europacable member companies have internal tools available to support customers / installers to select the optimum cross section of the cable for a defined application/installation system

2) **Input to VITO questionnaire for Cable Manufacturers , September 2013**
   - Europacable is fully committed to support the collection of data as outlined in the questionnaire, but is limited by strict EU competition requirements that need to be duly respected.

3) **Actions agreed**
   - Europacable to inform VITO about the accuracy of the resistance measurements for conductors described in IEC 60228 (conductor standard)
   - Europacable checks if standard correction factor exists for the load distribution.
   - Europacable to provide links of Prysmian and Nexans tools for calculation of optimum cross sections
   - Europacable to revert VITO questionnaire with maximum available information related to code designations and installer standards
   - VITO and Europacable to ensure regular updates.

ENDS