e-HIGHWAY 2050

Modular Development Plan of the Pan-European Transmission System 2050

| Contract number | 308908 | Instrument Collaborative Project | | |
|-----------------|---|----------------------------------|-----------|--|
| Start date | 1st of September 2012 Duration 40 months | | 40 months | |
| WP 3 | Technology portfolio to meet the 2050 scenarios | | | |
| D3.1 | Technology assessment from 2030 to 2050 | | | |



Annex to D3.1 - Technology Assessment Report

Transmission Technologies: Cables

| Revision | Organisation | Date |
|--------------|---|----------------|
| Written by | E. Zaccone, V. Wendt, EUROPACABLE | 23 May 2014 |
| Checked by | Interim version checked by Quality Pool (RSE, KUL, RTE, | 3 June 2014; |
| | Technofi) and final version validated by WP3 leader | 29 August 2014 |
| Validated by | G. Sanchis, B. Betraoui (RTE) | _ |

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|---|---|---|
| Dissemination Level | | |
| PU | Public | |
| PP | Restricted to other programme participants (including the Commission Services) | |
| RE | Restricted to a group specified by the consortium (including the Commission Services) | |
| СО | Confidential, only for members of the consortium (including the Commission Services) | Х |

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Document information

General purpose

This document is an annex of deliverable D3.1 focusing on the technology assessment (technical and economic performances) of generation, storage, transmission and demand-side technologies. It deals with the assessment and outlook of cable transmission technologies at 2050.

The present document is complemented by an attached Excel file providing the data compiled according to the methodology described in the in the next sections.

Change log

| Revision | Date | Changes description | Authors |
|----------|------------------|--|-------------|
| V1 | | Creation | Europacable |
| V2 | 12 November 2013 | Updated version | Europacable |
| V3 | 6 December 2013 | Updated version | Europacable |
| V4 | 19 December 2013 | Updated version further to Technofi comments | |
| V5 | March 2014 | Revision of comments | Europacable |
| V6 | 23 May 2014 | Version for final review by WP3 | Europacable |
| V7 | 3 June 2014 | Upgrade by WP3 leader | Technofi |
| V8 | 15 July 2014 | Final review | Europacable |

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