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Environment Conscious Design of VHV transmission links by cable systems

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Even if Electric & Electronic Equipment (EEE) are not pollutant in the common understanding of the word, they have impacts on the environment:

- consumption of natural resources (materials, energy)
- Impacts linked to the production (including impact at supplier production site)
- increasing volume of waste (end of life).

After having improved the environmental management of their production sites, EEE manufacturers have been concerned about the impacts of their products.

They have selected a methodology to be able to:

- Characterise the state of the art (where they stand)
- Implement a strategy of continuous improvement
- Think life cycle (Life Cycle Thinking)
- Demonstrate, in full transparency, that progress has been achieved

The selected methodology leans upon a tool which is the EIME software (Environmental Information and Management Explorer), which is as well supported by many EEE suppliers and customers.

In this paper, the authors present the progress of the implementation of this methodology to the case of VHV links:

- Selection and evaluation of a typical set of links,
- Analysis of the specific data, regarding materials, components, and processes, to be added to the existing database.
- Data addition methodology and achievements
- Assessment of expected improvement of the environmental impacts of links.