



## Non-Technical Project

for Mr./Mrs. xx xxx (xxxxxx)

**Topic:** Non-technical losses in European countries, especially Germany

**Task:**

The easiest way to categorise losses is to divide them into technical and non-technical components. The former is a consequence of the laws of physics and, although it could be reduced with more efficient equipment, it cannot be fully and economically eliminated with current technology. The latter component consists of the energy delivered but not metered or billed and often depends on socio-economic conditions of a country. The definition of energy losses is not standardized and can vary from country to country. In most cases, losses are understood as the difference between the energy flowing into and out of a network, but there are countries that do not use this approach. The reduction of technical and non-technical power losses contributes to a stable and reliable energy supply while boosting energy efficiency and consumer protection and satisfaction.

The aim of the NTP is to review and compare regulatory practices in the treatment of non-technical electricity losses in Europe in general and with a special focus on Germany.

The study has to cover the following points:

- Literature review on power losses
- Review of the different regulators regarding NTL
- Review of the state of the art in detecting and preventing NTL
- Comparison of the information obtained with the case of Germany
- Documentation of the results

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