


## ETSI OEU 008 Factsheet

### How do I use this methodology? Ask for support!

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|  | <b>ETSI GS OEU 008: Operational energy Efficiency for Users (OEU); Global KPI for Information and Communication Technology Nodes</b>   |   |
| Name of Initiative/Methodology  | Operational energy Efficiency for Users (OEU); Global KPI for Information and Communication Technology Nodes   |   |
| Link to the latest published version  | ETSI GS OEU 008 (09/2013): Version 1.1.1<br><a href="#">gs_OEU008v010101p.pdf</a>  |   |
| Developed by  | The European Telecommunications Standards Institute (ETSI)   |   |
| History and Status  | <ul style="list-style-type: none"> <li>• Work undertaken during 2013</li> <li>• Published in September 2013</li> </ul>   |   |
| Involved companies / parties  | <ul style="list-style-type: none"> <li>• EADS</li> <li>• Thales</li> <li>• PSA Peugeot Citroen</li> <li>• Orange SA</li> </ul>   |   |
| Scope   | <ul style="list-style-type: none"> <li>✔ <b>Organisation env. accounting</b></li> <li>✘ Scope 1</li> <li>✘ Scope 2</li> <li>✘ Scope 3</li> </ul>   | <ul style="list-style-type: none"> <li>✘ <b>Product env. assessment</b></li> <li>✘ Life cycle approach</li> <li>✘ Use phase only</li> </ul>                           |
|   | <ul style="list-style-type: none"> <li>✘ GWP</li> <li>✘ Energy (focus on secondary energy)</li> </ul>  | <ul style="list-style-type: none"> <li>✔ KPIs</li> <li>• Energy consumption</li> <li>• Task efficiency</li> <li>• Energy reuse</li> <li>• Renewable energy</li> </ul> |
| System(s) covered by the methodology  | Data centres or operator sites (ICT node operations)   |   |
| Goals   | <ul style="list-style-type: none"> <li>• Improving energy usage and efficiency of an ICT node through a reduction in energy consumption, improvements in task efficiency, the re-use of energy and the contribution of renewable energy</li> <li>• Providing methodological framework for the definition and calculation of Key Performance Indicators (KPI) in relation to the objectives described above (one global indicator + 4 objective indicators)</li> </ul>  |   |
| Generic features  | <ul style="list-style-type: none"> <li>• The indicators apply to systems of any size from initial operation to end of life</li> <li>• The reduction in energy consumption and task efficiency are primary objectives</li> <li>• Energy sources may be utility (from the grid), fossil or renewable local power sources, hydrothermal energy or aerualics power source.</li> <li>• The definition of task efficiency should specify the difference with "Power Usage Effectiveness" if relevant</li> </ul>  |   |
| ICT-specific features   | The indicators apply to any buildings containing IT rooms, technical infrastructure and spaces required for proper operation of the data centre. Buildings containing offices for on-site employees are excluded.  |   |
| Examples of implementation / experience feedback                                  | None identified - to be filled later   |   |
| Interaction with other methodologies  | <ul style="list-style-type: none"> <li>• [EN 50600] Information technology - Data centre facilities and infrastructures</li> <li>• [ETSI OEU 001] Operational energy Efficiency for Users (OEU); Technical Global KPIs for Data Centres</li> <li>• [EC Mandate M/462] Standardisation mandate addressed to CEN, CENELEC and ETSI to enable efficient energy use of ICT networks</li> <li>• [ETSI ES 205 200] Access, Terminals, Transmission and Multiplexing (ATTM); Energy management; Global KPIs; Operational infrastructures</li> <li>• [ETSI TS 105 174] Access, Terminals, Transmission and Multiplexing (ATTM); Broadband Deployment - Energy Efficiency and Key Performance Indicators</li> <li>• EC DG JRC Code of Conduct for Data Centre Energy Efficiency</li> <li>• EC DG JRC Code of Conduct on Energy Consumption of Broadband Equipment</li> <li>• [Kyoto Protocol] to the United Nations Framework Convention on Climate Change</li> </ul> |   |

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