

LIAISON STATEMENT

Title: [Liaison on monitoring of energy efficiency in telecommunication network infrastructures](#)

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Attachments: [None](#)
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Dear all,

ETSI TC-EE would like to inform you on the ongoing Work Items (WI) related to monitoring of energy efficiency in telecommunication infrastructures as these activities can be interested for the works IETF-EMAN group.

The WI's we wish to bring at your attention are the following:

DES/EE-0030 “Green Abstraction Layer (GAL); Power management capabilities of the future energy telecommunication fixed network nodes”

The Green Abstraction Layer (GAL) is an architectural interface/middleware that will give a flexible access to the power management capabilities of the future energy aware telecommunication fixed network nodes to effectively exploit the capability of adapting the energy consumption of the network nodes with respect to the load variations. The GAL, is intended to synthesize and to correctly expose power management capabilities and corresponding consumption variation. In this respect the specific objectives of this WI are:

- 1) the definition of the Green Abstract Layer general architecture
- 2) the definition of the interoperable interface (Convergence Layer Interface) between the Network Control Protocols (NCP, for the energy efficiency purpose) and the power management capabilities of the fixed network devices and the corresponding iterative handshake protocol
- 3) the definition of the Energy States describing the different configurations and corresponding performances with respect to energy consumptions of the devices

DES/EE-02037-12 “Monitoring and Control Interface for Infrastructure Equipment (Power, Cooling and Building Environment Systems used in Telecommunication Networks); Part 12: Telecom/ICT equipment control and monitoring information model”

This WI is the part 12 of the series ES 202 336-x. The ES 202 336-x series covers the monitoring and control for infrastructure equipment and the parts 1 to 10 have already been published and available at the ETSI web-site.

This part 12 defines the control/monitoring interface layer of power consumption of Telecom/ICT equipment and it is based on the generic ES 202 336-1 XML interface. Other parameters that are associated to environmental topics (e.g. temperature) or Telecom/ICT parameters (traffic, number of connected lines, radio setting, etc...) are also defined for its monitoring and control.

The preliminary draft of the WI on GAL is attached for your considerations. We would like to receive your feedback on this draft and ensure that this work is not in conflict with other activities in IETF-EMAN.

In case you are also interested on the WI DES/EE-02037-12, we can provide you the stable draft as soon as it's ready.

Yours respectfully

Beniamino Gorini
(ETSI TC-EE chairman)