



Title: LS on the creation of the Getting Ready for Energy-Efficient Networking Working Group in the IETF

Source: IETF Getting Ready for Energy-Efficient Networking Working Group (GREEN)

To: ETSI TC EE

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Purpose: For information

1. Description

We are glad to inform you that a new Working Group (WG) Getting Ready for Energy-Efficient Networking (GREEN), is created by the IETF. The WG held its first meeting in November 2024, in Dublin, during IETF 121.

The GREEN WG [1] is chartered to explore use cases, derive requirements, and provide solutions for identifying and characterizing energy efficiency metrics, methods related to energy consumption of network devices, and optimizing energy efficiency across the network. The GREEN WG is committed to focus initially on the following deliverables:

- Informational documents that:
 - Define common terminology and metric definitions.
 - Categorize various types of metrics and measurements at component, device, and network levels.
- Definitions of YANG data models at the component level, device level, and network level for energy-efficient network management, including energy usage monitoring and energy consumption management.
- Informational documents that:
 - Define a set of architectural components for managing energy-efficient networks.
 - Describe incremental deployment considerations for new energy efficiency metrics, monitoring, capability discovery, and management within a network domain.

The GREEN WG would welcome the opportunity to collaborate with other standard bodies on methods related to power management as they relate to networking equipment and the network in general.

As with all IETF WGs, participation is open and most of the discussion happens on the WG list [2] that can be subscribed to at [3].

More details on the WG, including active documents and future meetings, can be found at [1].

2. Upcoming Meetings

IETF 123, 19 - 25 July 2025, Madrid, ES

IETF 124, 1-7 November, Montreal, CA

3. References

- [1] <https://datatracker.ietf.org/wg/green/about/>
- [2] green@ietf.org
- [3] <https://www.ietf.org/mailman/listinfo/green>