LIAISON STATEMENT

Title: **LSout reply to ITU-T SG13 LSin on the NWI "Requirements and framework on network function enhancements of IMT-2020 networks and beyond from the energy efficiency perspective"**

Date:

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Response to: (if applicable) NFV(23)000090

Attachments: (if applicable) n/a

1. Overall description:

ETSI ISG NFV would like to thank ITU-T SG13 for providing information about the new work item on "*Requirements and framework of network function enhancements of IMT-2020 networks and beyond from the energy efficiency perspective*".

ETSI ISG NFV would like to also inform about the relevant work that the ISG is developing in the area of "energy efficiency and energy savings". The ISG handles the associated work items as part of the NFV Release 5 feature FEAT29 on "Green NFV". The scope of the feature is the following:

- Analyse aspects of NFV (VNF design, NFV-MANO and VNF operation, deployment configuration of NFV-MANO, NFVI, etc.) that have impact on energy consumption and those that can enable smart energy NFV and power saving features.
- Identify design guidelines needed for optimizing energy consumption.
- Specify enhancements to specifications on interfaces and information model, augment exposed KPIs and metrics to enable resources orchestration and VNF/NS LCM to operate following power saving policies.

Information about the feature and its status is available from the NFV wiki pages at the following https://nfvwiki.etsi.org/index.php?title=Feature_Tracking#FEAT29:_Green_NFV.

Currently, the feature work is in the informative/study phase. The study work is being delivered as part of the DGR/NFV-EVE021 work item "Network Functions Virtualisation (NFV) Release 5; Evolution and Ecosystem; Report on energy efficiency aspects for NFV". The metadata about the work item is available at the following link https://portal.etsi.org/webapp/WorkProgram/Report_WorkItem.asp?WKI_ID=63502.

In the DGR/NFV-EVE021 report, use cases, key issues, solutions and recommendations are being developed according to its scope. The work item is very close to "stable draft" and it is expected to complete the work item during the summer 2023 and be published as ETSI GR NFV-EVE 021. Normative work is expected to follow-up either by producing new Group Specification (GS) or updating existing ones specifying the NFV architectural framework, such as those related to interfaces/APIs and NFV descriptors (e.g., VNFD and NSD).

The drafts of the DGR/NFV-EVE021 are available on the ETSI NFV Open Area at the following https://docbox.etsi.org/ISG/NFV/Open/Drafts/EVE021_Green-NFV_report. The latest available draft version is v0.14.0, available at the following https://docbox.etsi.org/ISG/NFV/Open/Drafts/EVE021_Green-NFV_report/NFV-EVE021v0140.zip .

2. Actions:

ETSI ISG NFV kindly requests ITU-T SG13 to consider the above information for the development of the proposed new work item (e.g., potential to reference the ETSI NFV's work, and/or complement the ETSI NFV's work with other use cases beyond the ones documented in the DGR/NFV-EVE021).

In addition, the ETSI ISG NFV kindly asks the ITU-T SG13 to keep the ISG informed about the progress of the proposed new work item.

3. Date of next meetings of the originator:

ETSI ISG NFV plenaries:

- NFV#43, September 18-22, 2023, Copenhagen, Denmark
- NFV#44, December 11-15, 2023, Tokyo, Japan