01 July 2021

ETSI ISG ENI
Published deliverables &
Workplan:
ENI Requirements
and
Terminology

ETSI ISG ENI**

Creating an intelligent service

optimization solution

Chair:	Dr. Raymond Forbes (Huawei Technologies)
Vice-Chair:	Mrs. Haining Wang (Intel)
Presented by: Vice-Chair:	Mr. Antonio Gamelas (Portugal Telecom)
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**Experiential Networked Intelligence*

ENI Requirements and Terminology

Haining Wang (intel), Rapporteur, Requirements

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Published and Ongoing ENI deliverables:

- ETSI GS ENI 002 V3.1.1 (2020-12) - Published Requirements

- ETSI GR ENI 004 V2.1.1 (2019-10) - Published Terminology

- ETSI GR ENI 004 V2.2.1 (2021-11) – to be Published Terminology

Accessible via Work Item Monitoring - ENI

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Overview of the ENI Requirements Work Items (1)

Identify and describe appropriate requirements

Release 1, V1.1.1 (April 2018)
Scope - requirements that are enabled with enhanced experience, through the use of network intelligence.
Group report (GR) published : **ETSI GR ENI 002 V1.1.1**

Release 1, V2.1.1 (Sept 2019)
Scope - requirements that are enabled with enhanced experience, through the use of network intelligence. Group specification (GS) published: **ETSI GR ENI 002 V2.1.1**

Release 2 v3.1.1 (Dec 2020) published: **ETSI GR ENI 002 V3.1.1**
Scope - requirements that are enabled with enhanced experience, through the use of network intelligence.
The use of ENI system, including the capability exposure from ENI

Release 3 v3.2.1 (Oct 2021) in progress: **ETSI GR ENI 002 V3.2.1**
Scope - requirements that are enabled with enhanced experience, through the use of network intelligence.
The use of ENI system, including the capability exposure from ENI

Overview of ENI requirements Work Item (2)

General information:

Creation Date:	2021-10-01	Type:	Group Specification
Work Item Reference:	RGS/ENI-002v321	Latest version:	3.2.1
Rapporteur:	Haining Wang	Technical Officer:	Christine Mera

Scope:

The present document captures the requirements of how intelligence is applied to the network and applications in different scenarios to improve experience of service provision and network operation. Also, how intelligence enables dynamic autonomous behaviour and adaptive policy driven operation in a changing context. The ENI requirements are based on the ENI use case document and identified requirements from other SDOs. These requirements will form the base for the architecture design work. This work includes:

- Requirements derived from API descriptions
- Requirements derived from System Architecture
- Requirements derived from new use cases

Requirements

Level 1	Level 2
Service and network requirements	General requirements
	Service orchestration and management
	Network planning and deployment
	Network optimization
	Resilience and reliability
	Security and privacy

Level 1	Level 2
Functional requirements	Data collection and analysis
	Policy management
	Data learning
	Interworking with other systems
	Mode of operations
	Model training and iterative optimization
	API requirements

Level 1	Level 2
Non-functional requirements	Performance requirements
	Operational requirements
	Regulatory requirements

Overview of the Terminology ENI Work Item (1)

Identify and describe appropriate use cases

 Release 1, V1.1.1 (April 2018)
      Scope - provide terms and definitions used within the scope of the ISG ENI, in order to achieve a "common language" across all the ISG ENI documentation.
      Group report (GR) produced: **ETSI GR ENI 004 V1.1.1**

Release 1, V2.1.1 (Sept 2019)
      Scope - provide terms and definitions used within the scope of the ISG ENI, in order to achieve a "common language" across all the ISG ENI documentation.
      Group report (GR) published: **ETSI GR ENI 004 V2.1.1**

Release 2 v2.2.1 (Oct 2021) to be published: **ETSI GR ENI 004 V2.2.1**
      Scope - provide terms and definitions used within the scope of the ISG ENI, in order to achieve a "common language" across all the ISG ENI documentation.
      The use of ENI system, including the capability exposure from ENI

Overview of Terminology ENI Work Item (2)

General information:

Creation Date:	2019-11-08	Type:	Group Report
Work Item Reference:	RGR/ENI-0018	Latest version:	2.2.1
Rapporteur:	Yu Zeng	Technical Officer:	Christine Mera

Scope:

The WI will provide terms and definitions used within the scope of the ISG ENI, in order to achieve a "common language" across all the ISG ENI documentation. This work item will be updated with the general terminology required as the ENI specifications develop.

Work Plan and Next Steps

ENI Requirements – Release 2 v3.1.1

- Early draft: October 2019
- Stable draft: November 2020
- Draft for approval: December 2020
- Published: December 2020

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ENI Terminology – Release 2 v2.2.1

- Early draft: November 2019
- Stable draft: December 2020
- Draft for approval: August 2021
- Published: November 2021

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Thank you!