ETSI GS MEC 001 V1.1.1 (2016-03)

Mobile Edge Computing (MEC)
Terminology

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Foreword

This Group Specification (GS) has been produced by ETSI Industry Specification Group (ISG) Mobile Edge Computing (MEC).

Modal verbs terminology

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1 Scope

The present document provides a glossary of terms relating to the conceptual, architectural and functional elements within the scope of work on Mobile Edge Computing.

The purpose of this glossary is to ensure that all terminology defined in the present document is used in a consistent way by all ETSI MEC deliverables as well as in wider industry discussions on Mobile Edge Computing.

2 References

2.1 Normative references

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the referenced document (including any amendments) applies.

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[i.1]   ETSI GS NFV 003: "Network Functions Virtualisation (NFV); Terminology for Main Concepts in NFV".

[i.2]   ETSI TS 123 002: "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Network architecture (3GPP TS 23.002)".

3 Definitions and abbreviations

3.1 Definitions

For the purposes of the present document, the following terms and definitions apply:

application rules and requirements: rules and requirements associated to mobile edge applications, such as required resources, maximum latency, required or useful services, traffic rules, DNS rules, mobility support, etc.

mobile edge application: application that can be instantiated on a mobile edge host within the mobile edge system and can potentially provide or consume mobile edge services

mobile edge host: entity that contains a mobile edge platform and a virtualisation infrastructure which provides compute, storage and network resources to mobile edge applications

mobile edge host level management: components which handle the management of the mobile edge specific functionality of a particular mobile edge platform, mobile edge host and the mobile edge applications running on it

mobile edge management: mobile edge system level management and mobile edge host level management

mobile edge platform: collection of functionality that is required to run mobile edge applications on a specific mobile edge host virtualisation infrastructure and to enable them to provide and consume mobile edge services, and that can provide itself a number of mobile edge services

mobile edge service: service provided via the mobile edge platform either by the mobile edge platform itself or by a mobile edge application

mobile edge system: collection of mobile edge hosts and mobile edge management necessary to run mobile edge applications within an operator network or a subset of an operator network

mobile edge system level management: management components which have the overview of the complete mobile edge system

Network Functions Virtualisation (NFV): principle of separating network functions from the hardware they run on by using virtual hardware abstraction, as defined in ETSI GS NFV 003 [i.1]

UE application: application running in the UE that has the capability to interact with the mobile edge system via the user application lifecycle management proxy

user application: mobile edge application that is instantiated in the mobile edge system in response to a request of a user via an application running in the UE (UE application)

User Equipment (UE): mobile equipment used to access the operator's mobile network and supporting applications that transmit IP packets over the mobile network

NOTE: User Equipment is originally defined in ETSI TS 123 002 [i.2]. For the purpose of the present document, the definition above is used instead.

virtualised resource: compute, storage or network resource provided by the virtualisation infrastructure to a mobile edge application

3.2 Abbreviations

For the purposes of the present document, the following terms and definitions apply:

3GPP	3rd Generation Partnership Project
DNS	Domain Name System
IP	Internet Protocol
MEC	Mobile Edge Computing
NFV	Network Functions Virtualisation
RAN	Radio Access Network
UE	User Equipment
VM	Virtual Machine

History

Document history		
V1.1.1	March 2016	Publication