

ADDITIONAL LICENSE AUTHORIZATIONS

For HPE MSE software product

PRODUCTS AND SUITES COVERED

Products	E-LTU or E-Media available*	Non-production use category
HPE Multimedia Services Environment (MSE)	Yes	Production and non-production licenses are available

* Any product sold as E-LTU or E-Media shall be delivered electronically regardless of any contrary designation in a purchase order.

DEFINITIONS

Capitalized terms not otherwise defined in this ALA document are defined in the governing agreement.

Term	Definition
Active	means a resource which is configured and is being used to provide a function during normal operation, as opposed to a Standby resource which is configured but is not being used.
Capacity LTU	means LTU that brings entitlement to handle specific capacity of traffic on specific product or product features. Different product features may require different Capacity LTUs to be ordered.
Cluster	means a group of Servers or other resources that act like a single system and enable high availability and in some cases, load balancing and parallel processing. A Cluster is restricted to a single physical site.
Cumulative license	means that the Capacity LTU for same or related feature sets purchased over period of time are considered to be additive and result in higher resulting capacity being available to the customer. Since the Capacity LTUs have tiered price, related to total capacity, cumulative licenses benefit from progressively lower unit price when moving to higher capacity tiers.
Device	means an addressable entity, physical or virtual, including but not limited to router, switch, bridge, hub, server, PC, laptops, handheld device or printer that resides within the range defined for interrogation and asset tracking.
Development and Test System, or Dev/Test	means a non-production system which has the licensed software product installed, and is to be used solely for the purpose of a) developing Licensee add-on applications; b) migration testing, e.g. to test version upgrades; c) Pre-production staging, e.g., to test new applications before deployment; or d) support-related testing. This system is not authorized for any production or commercial usage.
E-LTU and E-Media	means products which are electronically delivered only, and as such any reference to FOB Destination or delivery methods that are stated on your purchase order other than electronic shall be null and void with respect to these E-LTU or E-Media products.
Feature LTU	means LTU that brings entitlement to use a specific feature or set of features of a given product
Geo-redundant	means providing geographic redundancy, over 2 or more physical sites, of the software to enable the implementation and configuration to permit site disaster recovery in case of site failure.
Instance	means each implementation of the software installed and available to execute on a Server.
Internal Use	means access and Use of the software for purposes of supporting your internal operations or functions.
LTU	means License To Use.
NFV	means Network Function Virtualization, a technology, architecture and framework defined by standardization & industry bodies, that defines requirements, interfaces, interoperability, operations, management mechanisms for telecom network equipment (embodying network functions), while they run in a virtualized environment, instead of on bare-metal servers.
Non-Production System	means a system which has the licensed software product installed and is to be used for Dev/Test usage and other non-commercial or non-production usage as specifically agreed between the licensee and HPE. This system is not authorized for any production or commercial usage.
Production System	means a system which has the licensed software product installed and is to be used for collecting data, executing product logic, or sending/receiving messages for production or commercial usage.

Server	means any designated computer system in which an Instance or Instances of the software is installed. The computer system may be a physical machine or a virtual machine.
Session	means a dialogue established between the software and a telecommunications network or web application, for a period of time. The session is set up at one point in time and then torn down later. While the session is established, one or more messages can be exchanged in either direction. The number and/or nature of these messages may be permitted or restricted based on licensing.
SIP	Session Initiation Protocol
Transaction	means the equivalent of 1 message request-response pair.
Transaction Per Second (TPS)	means the number of Transactions in one second.
Use	means to install, store, load, execute and display one copy of the software in accordance with the specifications.

SOFTWARE SPECIFIC LICENSE TERMS

Software products with software specific license terms are described below.

HPE Multimedia Services Environment 3.x

Starting from release 3.0, the HPE Multimedia Services Environment (MSE) software licensing is based on capacity measured in busy-hour-attempts (BHA) and on feature set. Depending on the feature set, the BHA may be call-oriented or message/transaction-oriented. Redundancy is provided through an "n+1" architecture, where there are 'n+1' Active entities. Geo-redundant configuration, handling single-site disaster recovery, or Network Function Virtualization (NFV) deployment is possible with additional licenses to allow multiple-site deployment.

- HPE Multimedia Services Environment 3.x feature E-LTUs are perpetual commercial electronic LTUs that entitle licensee to use specified set of features of the HPE MSE 3.x software. Common platform features, such as Application Content Manager (ACM), Tenant Management Portal (TMP), and Reporting System (RS), are available for all use cases. A quantity of 1 is required per-customer per-country for each feature license unless stated otherwise. This license does not bring any capacity (e.g., BHA) rights; a separate capacity LTU must be purchased as well.
 - **HPE MSE TCAP LTU** gives the right to use the TCAP M3UA stack over IP stack (e.g., USP-M). Quantity of 1 is required per physical/virtual server pair.
 - **HPE MSE Messaging LTU** gives the right to use Messaging related capabilities: messaging APIs (MCIF/PCIF/RCIF Java APIs, Diameter charging & SMPP connector in a message). BHA is measured in busy hour message transaction attempts.
 - **HPE MSE Multimedia Control LTU** gives the right to use Multimedia Control related capabilities (SOAP, JDBC, LDAP connectors, MRF Adapter APIs, Diameter charging & SMPP connector in a call). BHA is measured in busy hour call attempts.
 - **HPE MSE SIP Call Control LTU** gives the right to use SIP Call Control related capabilities (MMCC REST APIs, HPE MSE Multimedia Control features). BHA is measured in busy hour call attempts.
 - **HPE MSE Diameter Connector LTU** gives the right to use Diameter transactions: Diameter Base Protocol connector at Java or REST API (any available flavors). BHA is measured in busy hour message transaction attempts.
 - **HPE MSE Additional Connector LTU** gives the right to use one other connector (such as XML RPC) at Java or REST API. BHA is measured in busy hour message transaction attempts.

One BHA of message type can involve multiple low-level message exchanges within the context of 1 high-level MSE message transaction during the busy hour by the application. One BHA of call type can involve multiple low-level message exchanges within the context of 1 high-level call attempt during the busy hour by the application.

- HPE Multimedia Services Environment 3.x capacity E-LTUs are perpetual commercial electronic LTUs that entitle licensee to use MSE capacity measured in platform capacity units. The quantity of HPE MSE capacity units is calculated using a pre-defined ratio for each HPE MSE feature set.
 - **HPE MSE 10K Busy Hour Multimedia & Messaging Capacity Unit LTU** gives the right to use HPE MSE software features to serve commercial traffic equivalent to 10 000 multimedia & messaging capacity units (MMCU).
 - MMCU based capacity E-LTUs provide entitlement to HPE MSE feature LTUs based on the following mapping to capacity represented in BHA terms:

# BHA (platform)	Type of BHA	Application use case	Ratio of MMCU
One unit of BHA	Message	Messaging	0.5 (point five) units of MMCU
One unit of BHA	Call	Multimedia control	1.0 (one) unit of MMCU
One unit of BHA	Call	SIP call control	3.0 (three) units of MMCU
One unit of BHA	Message	Diameter	0.5 (point five) units of MMCU
One unit of BHA	Message	Additional connector	0.25 (point two five) units of MMCU

- Capacity LTUs include momentary TPS/CAPS peaks since the license is totaled over the Busy Hour.

- MMCU licenses have tiered prices which are based on the quantity of Cumulative licenses.
- HPE MSE application feature E-LTUs are perpetual commercial electronic LTUs that entitle licensee to use specified set of application features of the HPE MSE 3.x software. A quantity of 1 is required per-customer per-country for each application feature license unless stated otherwise. This license does not bring any application capacity (e.g., BHA) rights; a separate application capacity LTU must be purchased as well.
 - **HPE MSE Messaging Gateway LTU** gives the right to use Messaging Gateway application related capabilities (USSD Gateway, SMS Gateway, and MAP Services). BHA is measured in busy hour message transaction attempts.
- HPE MSE 3.x application capacity E-LTUs are perpetual commercial electronic LTUs that entitle licensee to use MSE application capacity measured in application capacity units. The quantity of HPE MSE application capacity units is calculated using a pre-defined ratio for each HPE MSE application feature set.
 - **HPE MSE 10K Busy Hour Multimedia & Messaging Application Capacity Unit LTU** gives the right to use HPE MSE software application features to serve commercial traffic equivalent to 10 000 multimedia & messaging application capacity units (MACUs).
 - MACU based capacity E-LTUs provide entitlement to HPE MSE application feature LTUs based on the following mapping to capacity represented in BHA terms:

# BHA (appli.)	Type of BHA	Application use case	Ratio of MACU
One unit of BHA	Message	Messaging Gateway	1.0 (one) unit of MACU
 - Capacity LTUs include momentary TPS/CAPS peaks since the license is totaled over the Busy Hour.
 - MACU licenses have tiered prices which are based on the quantity of Cumulative licenses.
- **HPE MSE Non-Commercial Instance LTU** can be used only for a Non-Production System. There is no HPE MSE capacity LTU for a Non-Production System. This license allows the non-production Use of all HPE Multimedia Services Environment 3.x features and HPE MSE application features for one MSE simplex instance. If more than one VM is required for one HPE MSE instance, then one MSE Non-Commercial Instance LTU is required. The HPE OCOMP Non-Commercial LTU is not included.
- **HPE MSE Multi-site LTUs** entitle licensee to use the HPE MSE 3.x software in a Geo-redundant configuration for disaster recovery or in a NFV deployment. One HPE MSE multi-site license is required per redundant site or for NFV. If the HPE MSE multi-site feature license is purchased, then the HPE MSE capacity license must be increased by the multi-site ratio (30%) to give the Right to Use for the capacity.
- **HPE MSE Service Creation Environment LTU** entitles licensee to use the HPE MSE 3.x Service Creation Environment (SCE) software on 1 site (multi-user license).
- **HPE MSE SCE Bundle LTU** gives right to use the SCE software on 1 site (multi-user license), when it is purchased simultaneously with a MSE commercial platform.
- **HPE MSE OCOMP IMS Adapter LTU** gives right to use the MRF Adapter feature with its SIP stack access. This LTU can include the Right To Use the ACM, TMP, and RS common features, when ordered for all HPE OCOMP MRF runtime Sessions in the Cluster. This license cannot be mixed with other HPE MSE licenses bringing any other HPE MSE features or capacities.

HPE MSE 3.x Consumption based license model.

HPE MSE capacity can be purchased in a consumption based model. With this model, the customer will be invoiced quarterly in arrears based on usage. The term license is set to a minimum of 3 months and can be renewed whenever needed. All licensed LTUs as per the above definitions can be used. The charging is based on static, pre-arranged capacity of the LTUs over the quarter. Interfering or disabling any software designed to allow HPE to monitor consumption will be a material breach of this license. After termination of the consumption contract the customer has no further rights to use the HPE MSE software. A minimum of 40000 Busy Hour Multimedia & Messaging Capacity Units (MMCU) will be charged at each invoice.

ADDITIONAL LICENSE TERMS

Term

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- A. Software contains software and associated specifications licensed from third parties that are confidential to, and trade secrets of, such parties. You will not take any action other than to Use it as authorized under the agreement as part of the software products and will not disclose it to third parties. A list of any third party and/or open source related licensing terms may be found on the Software Updates page of the My HPE Software Center at: <https://myenterpriselicense.hpe.com>.

 - B. You shall install and use the software as authorized in the applicable agreement only as a complete product and may not use portions of such software on a standalone basis separate from the complete software unless expressly authorized in the Supporting Material, specifications or an applicable agreement.

 - C. Unless stated otherwise, you are authorized to Use one Device at a time for your Internal Use.

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- D. Software may be utilized only on a computer system owned, controlled, or operated by or solely on behalf of you and may be further identified by HPE by the combination of a unique number and a specific system type. Such license will terminate in the event of a change in either the system number or system type, an unauthorized relocation, or if the computer system ceases to be within your possession or control. The computer system may be a physical machine or a virtual machine.
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