

Release Note

|  |  |
| --- | --- |
| **Author: «$release.Author»** |  |
| **Version:** | **Date:** 0 XXX 0000 |

**«$release.Name» «$release.Version»**

Revision History

|  |  |  |
| --- | --- | --- |
| Revision Date | By | Summary of Changes |
| 2018-03-19 |  | Insert merge field |

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# Introduction

This is the release of the MC probes applications QBASE package for various SIM use cases.

The package contains merged collection of li-ether-sim and li-usim-ip probe application RPM packages previously distributed as independent QBASE packages: «#foreach($d in $dependencies)»«#if ($d.integratesPackages.size() > 0)»

MC version: **«$d.McVersion»**

| **Component** | **Version** |
| --- | --- |
| «@before-row#foreach($p in $d.integratesP»«$p.name»«@after-row#end» | «$p.RequiredVersion» |

|  |  |
| --- | --- |
| «@before-row#foreach($p in $d.integratesP»«$p.name»«@after-row#end» | «$p.Description» |

«#elseif ($d.integratesPackages.size() > »«#end»«#end»

## Identification and Scope

This document describes the release of «$release.Name»-«$release.Version» package for «$baseline-summary».

## Summary

The purpose of this release is:

• «$purpose»

A complete list of all changes can be found in chapter 6.4 Change History.

## Released Items

|  |  |  |
| --- | --- | --- |
| **Item** | **Description** | **Locataion** |
| «@before-row#foreach($i in $release.items»«$i.name»«@after-row#end» |  | <$i.location/$i.name> |

# Current Status and State

«#foreach($c in $activities)»«#if($c.ReleaseVersion.trim() == "NOT\_FIX»

## List of Known Precautions / Defects / Limitations

| **Type** | **Title** | **Description** |
| --- | --- | --- |
| «@before-row#foreach($c in $activities)»«@before-row#if($c.ReleaseVersion.trim() »«@before-row#foreach($a in $c.Activities)»«$a.Type»«@after-row#end»«@after-row#end»«@after-row#end» | «#if($a.uri.trim() == "") $a.name #else»[$a.name]($a.uri)«#end» | «$a.Description» |

«#end»«#end»«#foreach($c in $activities)»«#if($c.ReleaseVersion.trim() == "NOT\_FIX»

## FATAL EPRs under investigation, but not accepted as SW failure yet:

| **Type** | **Title** | **Description** |
| --- | --- | --- |
| «@before-row#foreach($c in $activities)»«@before-row#if($c.ReleaseVersion.trim() »«@before-row#foreach($a in $c.Activities)»«$a.Type»«@after-row#end»«@after-row#end»«@after-row#end» | «#if($a.uri.trim() == "") $a.name #else»[$a.name]($a.uri)«#end» | «$a.Description» |

«#end»«#end»«#if ($release.precautions.size() > 0)»

## There are specific precautions to consider using this package:«#foreach($precaution in $release.precaut»

* **«$precaution»**«#end»«#end»

## Availability

«#foreach($i in $globalAvailabilities)»

**«$i.level»** for MasterClaw **«$i.mcVersion»**

«#end»

Note: The availability can be changed after this RN has been filed. The updated availability can be found at: <http://sharepoint.eu.anritsu.com/sites/M4/Engineering/Release%20Status%20Sheet/Forms/AllItems.aspx>

«#if ($featureAvailabilities.size() > 0)»

### Features availability

| **Component** | **MC Version** | **Availability** | **Reason** | **Descritpion** | **Risk** |
| --- | --- | --- | --- | --- | --- |
| «@before-row#foreach($a in $featureAvaila»«$a.feature»«@after-row#end» | «$a.mcVersion» | **«$a.level»** | *«$a.reason»* | *«$a.description»* | «$a.risk» |

«#end»«#if ($otherAvailabilities.size() > 0)»

### Other availability

| Component | MC Version | Availability | Reason | Description | Risk |
| --- | --- | --- | --- | --- | --- |
| «@before-row#foreach($a in $otherAvailabi»«$a.name»«@after-row#end» | «$a.mcVersion» | **«$a.level»** | *«$a.reason»* | «$a.description» | «$a.risk» |

«#end»

## Risk Evaluation

Risk assessment:

«#foreach($i in $globalAvailabilities)»**«$i.risk»** for MasterClaw **«$i.mcVersion»**

«#end»

Note: The Risk Evaluation can be changed after this RN has been filed. The updated Risk Evaluation can be found at: <http://sharepoint.eu.anritsu.com/sites/M4/Engineering/Release%20Status%20Sheet/Forms/AllItems.aspx>

## Test

The **Test Level** is **«$partRelease.testLevel»** and the **STR** is available at «#foreach($i in $partRelease.references)» «#if ($i.type =="STR")»<$i.uri/$i.docName>«#end»«#*end»*

# Compatibility/Dependencies

The SIM applications are designed to run on Master Claw Linux probes with standard platform according to [**[BASELINE]**](#BASELINE). Particular SIM types further depend on particular Link Unit HW types«#foreach($d in $dependencies)»«#if ($d.thirdPartDependencies.size() > 0»

## 3rd. part SW or HW or Images for MC version «$d.McVersion»

| **Component** | **Version Range** | **Tested Version** | **Description** |
| --- | --- | --- | --- |
| «@before-row#foreach($p in $d.thirdPartDe»«$p.Component»«@after-row#end» | «$p.RequiredVersion» | «$p.TestedVersion» | «$p.Description» |

«#elseif ($d.thirdPartDependencies.size()»«#end»«#end»«#foreach($d in $dependencies)»«#if ($d.PlatformDependencies.size() > 0)»

## Platform dependence for MC version «$d.McVersion»

| **Component** | **Version Range** | **Tested Version** | **Description** |
| --- | --- | --- | --- |
| «@before-row#foreach($p in $d.platformDep»«$p.Component»«@after-row#end» | «$p.RequiredVersion» | «$p.TestedVersion» | «$p.Description» |

«#elseif ($d.PlatformDependencies.size() »«#end»«#end»«#foreach($d in $dependencies)»«#if ($d.LocalDependencies.size() > 0)»

## Local dependence - MasterClaw SW for MC version «$d.McVersion»

| **Component** | **Version Range** | **Tested Version** | **Req. local availability** | **Description** |
| --- | --- | --- | --- | --- |
| «@before-row#foreach($p in $d.localDepend»«$p.Component»«@after-row#end» | «$p.RequiredVersion» | «$p.TestedVersion» | «$p.required» | «$p.Description» |

«#elseif ($d.LocalDependencies.size() > 0»«#end»«#end»«#foreach($d in $dependencies)»«#if ($d.MonitoredDependencies.size() > 0»

## Monitored dependence for MC version «$d.McVersion»

| **Component** | **Version Range** | **Tested Version** | **Description** |
| --- | --- | --- | --- |
| «@before-row#foreach($p in $d.MonitoredDe»«$p.Component»«@after-row#end» | «$p.RequiredVersion» | «$p.TestedVersion» | «$p.Description» |

«#elseif ($d.MonitoredDependencies.size()»«#end»«#end»

# Installation

Master Claw Central Server environment using yum commands. A preferred way to install the package is to use an automated installation via Ansible. A manual installation is also available.

After the package is installed on the CS, the SIM packages li-ether-sim and li-usim-ip provided inside the li-ether-sim-«$release.Version» package will appear in configtool available for assignment to probes.

## Ansible configuration

The automated installation of the package to the MasterClaw CS environment via Ansible is implemented in the Ansible config role **li-ether-sim**. The role requires a list **li\_ether\_sim\_list** defined in the Ansible inventory, containing all package versions to be installed, in a format **<package\_name>‑<package\_version>.** Installing multiple versions of the package on a single CS is allowed. The list **li\_ether\_sim\_list** should be defined in the variables of the relevant host group. Additionally, a host-specific list can be defined. Ansible survey role is not available for the package.

**Example 1:** A configuration for all hosts in host group Central\_server

[Central\_server:vars]

li\_ether\_sim\_list=["li-ether-sim-12.0.4", "li-ether-sim-12.0.4"]

**Example 2:** A host-specific configuration

[Central\_server]

192.168.1.123 li\_ether\_sim\_list=["li-ether-sim-12.0.4", "li-ether-sim-12.0.4"]

For the information about how to edit the Ansible inventory files, please see the MasterClaw Ansible documentation.

## Package download and verification

When performing the manual installation, download from «#foreach($i in $partRelease.references)» «#if ($i.type =="QBASE")»<$i.uri/>«#end»«#*end»* the binary package li-ether-sim-«$release.Version»-1.x86\_64.rpm and text file li-ether-sim-«$release.Version».md5sum containing binary package’s md5 checksum.

Verify integrity of binary package file with “md5sum -c li-ether-sim-«$release.Version».md5sum”. If the file is not corrupted, you can proceed to the next paragraph.

## Installing package

To install this RPM format package perform the following steps:

1. Login as “mclaw” user to central server
2. Copy the package file to a local directory
3. Install the package into MC environment using command:  
   yum install li-ether-sim-«$release.Version»-1.x86\_64.rpm
4. Run the post install script using the command:   
   q7adm start  
   This operation is needed to ensure the addition of alarm definitions into CDB. Starting all installed packages is required in order to update CDB properly.

To uninstall the package from the Master Claw CS, use the following command:  
 yum remove li-ether-sim-«$release.Version»

# Configuration Requirements

See [[MANUAL]](#MANUAL) for particular SIM probe type configuration guidelines.

«#if ($featureAvailabilities.size() > 0)»

Configuration for new features

See [[MANUAL]](#MANUAL) for features.

|  |  |  |  |
| --- | --- | --- | --- |
| «@before-row#foreach($a in $featureAvaila»«$a.feature»«@after-row#end» | *«$a.Level»* | *«$a.mcVersion»* | *«$a.description»* |

«#elseif ($featureAvailabilities.size() >»«#*end»*

# Appendix

## Abbreviations and Definitions

|  |  |
| --- | --- |
| **Abbreviation/Definition** | **Explanation** |
| Qbase | Tool used for managing q7 packages. |
| SIM | Signalling Input Mediator probe application SW |
| SIM\_IF | TCP socket based interface between SIM and QMPA |
| MPA | Multichannel Protocol Analyser (probe including hardware) |
| QMPA | Quest Multichannel Protocol Analyser (probe SW application) |
| QMPA\_MEAS\_IF | QMPA Measurement Interface |
| CSDR | Call Sequence Data Record |
| Deploy server, probe\_conf | Remote Probes Management SW |

## Reference and Applicable Documents

|  |  |  |
| --- | --- | --- |
| **Doc Abbreviation** | **Doc name, Description, ID/link** | |
| [BASELINE] | | [Common Technical Baseline for MasterClaw Release 7](http://sharepoint.eu.anritsu.com/sites/M4/Engineering/Product%20Documents/Forms/Module/docsethomepage.aspx?ID=44&FolderCTID=0x0120D52000092AC36A861C5549B34CE0FBE2A611080023CC43672BCD804A8B4363A235436B30&List=a9b8b7f4-26d3-4e42-a75f-a4a5add9de32&RootFolder=%2Fsites%2FM4%2FEngineering%2FProduct%20Documents%2FTechnical%20Baselines&RecSrc=%2Fsites%2FM4%2FEngineering%2FProduct%20Documents%2FTechnical%20Baselines) |
| [MEASIF] | QMPA Measurement Interface, QMPA\_MEAS\_IF  <http://sharepoint.eu.anritsu.com/sites/M4/Engineering/Product%20Documents/Probes/qmpameas_v11.doc> | |
| [MANUAL] | «#foreach($i in $partRelease.references)»«#if ($i.type =="MANUAL")»<$i.uri>  «#end»«#end» | |

## Source Baseline

The tag used in GIT for this release is li-ether-sim-«$release.Version.replace(".", "\_")»«#foreach($d in $dependencies)»«#if ($d.MonitoredDependencies.size() > 0»«#foreach($p in $d.monitoredDependencies)»«#if($p.Component.trim() == "li-ether-sim», «$p.Description»«$p.RequiredVersion.replace(".", "-")»«#elseif($p.Component.trim() == "li-usim-», «$p.Description»«$p.RequiredVersion.replace(".", "\_")»«#elseif($p.Component.trim() == "li-usim"», «$p.Description»«$p.RequiredVersion.replace(".", "\_")»«#elseif($p.Component.trim() == "li-hdlu-», «$p.Description»«$p.RequiredVersion.replace(".", "-")»«#end»«#end»«#end»«#end».

## Change History

|  |  |  |
| --- | --- | --- |
| **Type** | **Name** | **Description** |
| «@before-row#foreach($c in $activities)»«@before-row#if($c.ReleaseVersion.trim() »*«$release.name» «$c.ReleaseVersion»* | | |
| «@before-row#foreach($a in $c.Activities)»«$a.Type»«@after-row#end» | «#if($a.uri.trim() == "") $a.name #else»[$a.name]($a.uri)«#end» |  |

## Trouble Shooting

### Log files

You can check the probe applications log files at the following paths:  
/nettest/appl/<component>/log/<component>.log

or

/var/anritsu<inst>/<component>/log/<component>.log

where <inst> is the number of application instance in case it’s higher than one and <component> will be substituted by a component’s name (li-ether-sim, li-hdlu-sim, li-usim, li-usim-ip).

## EPR Generation

In case of problems with installing this package to MC environment or with availability of the contained components in MC central server environment, please attach at least the output of the package installation command together with the outputs of following commands (run as mclaw user):

q7adm list

cdbc -c 'select X.name, X.version, X.location from X=MPASWPackage'

In case of problems with some of the contained components installed on a probe, please attach the probe-info files (start as root user the qmpa5/bin/LinuxProbeInfo.sh script to create such probe-info file) containing comprehensive set of LOG and NIN files and status commands output.