

"G" Release

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(<https://en.wikipedia.org/wiki/G>)

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Sub pages

The SIM project focuses on the following topics:

Provide complete implementation for OAM functions (FCAPS).

Target

- keep alignment of the O1 Simulator with latest YANG models
- E2 Simulator improvements (especially to the deployment/build procedures)
- NS3-E2 Simulator integration in Gerrit

Specifications

The following Specifications needs to be considered for software updates:

<https://orandownloadsweb.azurewebsites.net/specifications>

- **O-RAN Architecture Description 6.0 - March 2022**
O-RAN.WG1.O-RAN-Architecture-Description-v06.00
- **O-RAN Use Cases Detailed Specification 8.0 - July 2022**
O-RAN.WG1.Use-Cases-Detailed-Specification-v08.00
- **O-RAN Operations and Maintenance Architecture 7.0 - July 2022**
O-RAN.WG10.OAM-Architecture-v07.00
- **O-RAN Operations and Maintenance Interface 7.0 - July 2022**
O-RAN.WG10.O1-Interface.0-v07.00
- **O-RAN Management Plane Specification - YANG Models 9.0 - July 2022**
O-RAN.WG4.MP-YANGs-v09.00
- **O-RAN O1 Interface specification for O-CU-UP and O-CU-CP 3.0 - July 2022**
O-RAN.WG5.O-CU-O1.0-v03.00
- **O-RAN O1 Interface for O-CU-UP and O-CU-CP - YANG Models 3.0 - July 2021**
O-RAN.WG5.O-CU-O1.0-YANGs-v03.00
- **O-RAN O1 Interface specification for O-DU 2.0 - July 2021**
O-RAN.WG5.MP.0-v02.00
- **O-RAN O1 Interface for O-DU 4.0 - YANG Models - July 2022**
O-RAN.WG5.MP.0-YANGs-v04.00
- **O-RAN O1 Interface for O-DU 4.0 - configuration tables - July 2022**
O-RAN.WG5.MP.0-AnnexD-v04.00
- **O-RAN Management interfaces for Transport Network Elements 4.0 - July 2022** (O-RAN.WG9.XTRP-MGT.0-v04.00)

VES JSON-Schemas

- [ONAP VES 7.2.1](#)
- [3GPP TS 28.532 V16.9.0](#)
(according to O-RAN Operations and Maintenance Interface Specification 7.0 and its 'Harmonized VES format')
 - Annex B (Informative):
Guidelines for the integration of 3GPP MnS notifications with ONAP VES
 - Configuration Management Notifications
 - **notifyMOIAttributeValueChanges**
 - **notifyMOICreation**
 - **notifyMOIDeletion**
 - **notifyMOIChanges**
 - Fault Management Notifications
 - **notifyChangedAlarmGeneral** and/or
 - **notifyChangedAlarm**
 - **notifyClearedAlarm**
 - **notifyAlarmListRebuilt**
 - FileReady Notification (as part of Performance Monitoring)
 - **notifyFileReady**
 - PM Streaming
 - based on WebSockets and ASN.1 (no contributions expected)
 - Software Management
(for future study by O-RAN Operations and Maintenance Interface Specification 7.0)
 - 3GPP-specified notifyFileDownload vs O-RAN-specified o1NotifyFileDownload
 - Heartbeat
 - **notifyHeartbeat**
- O-RAN Operations and Maintenance Interface Specification 7.0
 - PNF Registration
 - **o1NotifyPNFRegistration**
Idea: WordTable YANG OpenAPISpecification
 - CNF Registration

- o1NotifyCloudNFRegistration
(reference to: 'O-RAN Information Model and Data Models Specification'
which does not include o1NotifyCloudNFRegistration yet)
- [O-RAN-SC PM-Measurement streaming](#)

Depending on resource availability

- Implementing stndDefined VES messages in O1 Simulator