



# EMERALD RELEASE

26.06



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## RELEASE NOTES

### Metadata

<b>Calendar Version</b>	<b>26.06</b>
<b>Codename/Color</b>	<b>Emerald</b>
<b>Headline</b>	<b>Intelligent Connectivity from TN to NTN, from O-RAN to AI-RAN, and from 5G to 6G!</b>
<b>Type</b>	<b>One Multivendor Platform, Countless Solutions and Unlimited Use-Cases.</b>

### Top Feature Sets

#### BubbleRAN Near-RT RIC

- Enable I/Q sample collection from Amarisoft and OAI via the O-RAN LLC Service Model
- Enable Symmetric RAN Slicing for DL and UL for OAI via the O-RAN RC Service Model
- Enable Asymmetric RAN Slicing for DL and UL for OAI via the O-RAN CCC Service Model
- VictoriaMetrics support for RAN telemetry and analytics
- Enhancements to RAN slicing (ePR algorithm, multi-DL/UL slice association, de-association control)
- Interoperability with OCUDU, support KPM monitoring xApp
- E2 compatibility with LITEON All-in-One O-RAN nodes

#### BubbleRAN SMO / Non-RT RIC

- Support for band n79 deployments
- Dynamic rApp lifecycle management and policy composition (Non-RT RIC)
- Operational robustness improvements and firmware compatibility fixes
- Container Development Kit (CDK) in BRC: package custom xApps into CompositionModels
- Cluster-local OCI registry (zot) for customer xApp images and CompositionModel

#### MX-UI

- Web-based console and visual intent builder for the MX product family
- Provision 5G/O-RAN networks, manage UEs, deploy xApps/rApps and analyze real-time topology and logs via MX-PDK
- Orchestrate AI agent fabrics via chats and monitor their performance with MX-AI
- Synthesize digital twins from live network deployments to analyze and optimize changes using MX-DT
- Monitor cloud-infrastructure, storage, and telemetry with centralized service access from a unique place

#### MX-AI (AI-RAN Enablement)

- Evaluation kit for agent benchmarking.
- Enhanced UI with AIFabric Builder
- Consolidated Agent Catalog:
  - API Agent
  - SMO Agent
  - Supervisor Agent

#### New O-Cloud Deployment Compositions/Blueprints

- OAI CU/DU/RU for OTA handover scenarios
- OCUDU gNB/CU/DU with Amarisoft UE via ZeroMQ
- OCUDU gNB/cU/DU with COTS UE (Quectel, Pictel, Pixel) in over-the-air testbed (support both split 8 and split 7.2)
- OCUDU gNB/CU/DU NTN with Amarisoft UE via ZeroMQ (also moved from above so is only here)
- Amarisoft gNB NTN with Amarisoft UE

### Supported artifacts from

- Amarisoft based on Release 2025-12-12
- Benetel
- LITEON
- OpenAirInterface based on Public release v2.4.0
- Open5GS
- OCUDU based on Public release release\_26\_04 (previously SRS)
- BubbleRAN SDKS, rApp/xApp/Agent directory, E2 Agent Proxy, MX-RIC, MX-Operator, MX-AI