



RELEASE

26.10

**26.10**

FALCON RELEASE NOTES

RELEASE NOTES

Metadata

Calendar Version	26.10
Codename/Color	Falcon
Headline	Build Open Networks. Observe. Automate. Optimize.
Subheadline	One TN/NTN stack. Countless O-RAN and AI-RAN use-cases.

Top Feature Sets

O-RAN SMO and RICs

- BubbleRAN SMO / Non-RT RIC
 - Multi-vendor TN/NTN Network and Slice Automation: (1) OCUDU gNB/CU/DU - OAI UE, and (2) OAI gNB/CU/DU - OAI UE
 - Edge AI and applications in the loop
 - Extended Container Development Kit (CDK) for user edge applications: packaging them into CompositionModels and deploy services that UEs can access via the user plane, with optional use of cluster GPUs to run AI models
 - Improved SMO's runtime failure reporting and troubleshooting accesible through BubbleRAN CLI
 - Network slicing and slice direct BRC command line update
- BubbleRAN Near-RT RIC
 - E2X Proxy Agent with universal E2 service model for extending E2 agent for RIS/WiFi/FR2/UEs
 - Enable more KPM metrics, including RSRP, RSRQ and SINR
 - Enable RRC DCCH/UCCH message via RC service model
 - Enable I/Q sample collection from Amarisoft and OAI via the O-RAN LLC Service Model
 - VictoriaMetrics support for RAN telemetry and analytics
 - E2 Interoperability with LITEON, OCUDU, support KPM monitoring xApp

AI-RAN Services and Apps

- Agentic Blueprints Catalog:
 - Observability (KPIs, Logs, PCAPs, ...)
 - Automation (RIC and SMO)
 - Supervisor Agent
- BubbleRAN Agentic Toolkits (BAT) and CLI
 - ADK, CLI, Evaluation Kit, Telemetry
- AI Fabric Kubernetes Operator (ORAMA)
 - Lifecycle management of agentic blueprints with AI Fabrics
 - Extendable agents catalog, defined in the form of Composition Models
 - Mix your own agents and BubbleRAN's in a single blueprint, wired together automatically
 - Choice of LLM provider and model per agent, with built-in telemetry for tracing agent activity
 - Integrated with OmniRoute for access to multiple LLM providers, including free tiers, through a single gateway
- Enhanced UI with AIFabric Builder

MX-UI

- Multi-vendor TN/NTN Network Intent builder
- Supports Network Digital Twin (NDT)
- UI Interactive Playground
- Alerts: consume and explore Alerts from your infrastructure at ease
- UI Tweaks and Performance Improvement

Blueprints

- Emulated, TN/NTN
 - OAI CU/DU with OAI UE via RFsim
 - OCUDU gNB/CU/DU with OAI UE or Amarisoft UE via ZeroMQ
 - Amarisoft gNB with Amarisoft UE
- Over-the-air, TN
 - OAI gNB/CU/DU with COTS UE (Quectel, Pictel, Pixel), split 8 and split 7.2
 - OCUDU gNB/CU/DU with COTS UE (Quectel, Pictel, Pixel), split 8 and split 7.2

Supported artifacts from

- Amarisoft (release 2025/12), LITEON, Benetel
- Duranta (previously OpenAirInterface) (tag 2026.w28), OCUDU (previously srsRAN) (release 2026/04), Open5GS (v2.7.5.)
- BubbleRAN O-RAN and AI-RAN Stack, xApp/rApp/Agent/Blueprint catalog, DevKits

[GitHub BubbleRAN](#)[TelcoFabric](#)