RELEASE NOTES

Metadata

Semantic Version	2025-06
Codename/Color	Crimson
Headline	Make the Network Automated and Intelligent
Type	3GPP and O-RAN compliant AI-RAN platform

Top Feature Sets

- **MX-5G**
  - **OAI 5G gNB/CU/DU**
    - Support public version v2.2.0 + 2025.w12 (v2.3.0 coming soon)
    - Support RAN func: more metrics for KPM monitoring, ISAC, slicing
    - Support RFSIM, LITEON O-RU(FlexiFi FR1), Benetel O-RU (RAN550 and RAN650)
  - **OAI 5G UE**
    - Support public version v2.2.0 + 2025.w12 (v2.3.0 coming soon)
  - **Open5GS**
    - Support public version 2.7.5
  - **Amarisoft**
    - Support public version 2024-12
    - Support RAN func: KPM monitoring, RC inter and intra XnAP HO, CCC BWP switch
  - **srsRAN gNB**
    - Support public version release_2025_04
    - Support USRPB210, LITEON O-RU(FlexiFi FR1)
- **MX-RIC**
  - Improved developer experience
    - rApp SDK, rApp directory
    - xApp SDK (user and developer), xApp directory
    - xApp yaml config file
  - New Custom Service Models
    - RAN Sensing E2SM
    - RAN Slicing E2SM (eEDF, policy-based slicing algorithms)
  - Enhanced RAN control
    - Handover (RC SM based)
    - MCS control (RC SM based)
    - RAN configuration (CCC SM based)
    - BWP control
  - New E2 Agent proxy
- **MX-Operator**
  - Non-RT Mx-RIC with R1AP, A1AP and native Json encoding
  - PDU support (Redfish API) O-RAN O1 interface.
  - Enhancements: FCAPS, Networking, and CLI.
  - (EXP, Canary Release) Network Slicing (Layered service/slice/network model, end-to-end across RAN and core, and aligned with O-RAN and 3GPP specifications)
  - RAN Data acquisition pipeline (data-lake, compute resources, energy consumption efficiency)
- **MX-AI**
  - Flexible Multi-Agent environment (MX-AI Core)
  - Dev Kit for xApp, rApp, AI Agents
  - MX-HUB to collaborate, publish, and Monetize!
    - Reusable and extendable rApp, xApp, and Agent directory
- **O-Cloud / Radio fronthaul**
  - O-RAN 7-2 split (LiteON, Benetel), PTP time-synch, , small cell (LiteOn), O1 O-Cloud RU management

Supported artifacts from

- Amarisoft
- Benetel
- LITEON
- OpenAirInterface
- Open5GS
- Software Radio Systems (SRS)
- BubbleRAN SDKS, rApp/xApp/Agent directory, E2 Agent Proxy, MX-RIC, MX-Operator, MX-AI