

Declaration regarding the list of main deliveries

MTender ID: ocds-b3wdp1-MD-1781161220358

Title of contract: Hybrid Private 5G Network Extension (local UPF)

Name of Project: "Cross-Border Interconnected Mobile Networks for Education and Innovation" (CONNECTINNO), EMS-ENI code: ROMD00495

Orange Moldova SA hereby declares that during the last three (3) years it has successfully deployed & launched commercially its own 5G NSA network, ensuring:

- **RAN planning, design, deployment and optimization:**
 - Survey and modelling for NR 3600 MHz band + LTE anchor
 - NSA Option 3x network dimensioning: capacity and coverage calculations, inter-site distance for sites Frequency and PCI/SSB planning, definition of EN-DC band combinations
 - Development of initial gNodeB parameter plan configuration
 - Installation and commissioning of gNodeB equipment
 - NSA EN-DC integration with existing LTE network
 - Optimization of the main settings for coverage vs capacity balance
 - Delivery of final optimization report with KPI
- **Integration with CORE:**
 - gNodeB interfacing with existing EPC via S1-C/S1-U interfaces per NSA Option 3x architecture
 - EN-DC split bearer configuration and QoS mapping
 - Verification NMS/OAM integration for PM counters monitoring and alarm management
- **Ongoing network monitoring, operations, and maintenance:**
 - 24/7 network KPI monitoring: RRC setup success, EN-DC setup success, DL/UL throughput, drop rate
 - PM counters analysis and L2 troubleshooting for EN-DC failures, low throughput, interference issues
 - gNodeB software updates and patch management in line with 3GPP Rel-15/16 roadmap
 - Periodic reporting with KPI trends and continuous optimization recommendations

As of the end of 2025, Orange Moldova SA 5G network coverage reached 7% on Moldova territory / 22% on population.

Regards,

Dana Argint

Corporate Sales and ICT Solutions Director

I.M. „Orange Moldova” S.A.

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