

# RNP – Rede Nacional de Ensino e Pesquisa

*RFP – Request for Proposal*

**Request for Proposal (RFP) – Routers for Core, Peering, Aggregation, Access, Metro, Datacenter and CPE roles.**

## Rectification Document

This document presents, in summary form, updates regarding the RFP process. The previous documents provided in version 1 have been updated and are referenced as version 2, containing all the new information.

**Please refer to the latest version of the RFP and technical requirements for updated information.**

### General Rectifications and Updates

- Scoring criteria have been specified for the proponents who participated and submitted documents and information during the RFI phase, as requested by RNP.
- Information regarding scoring criteria for mandatory and optional requirements has been added.
- Information has been added to the section SRv6 – SEGMENT ROUTING V6: the availability of the SRv6 functionality is related to software evolution and not hardware replacement.
- Information about support periods has been added.
- RFC 8403 – A Scalable and Topology-Aware MPLS Data-Plane Monitoring System has been changed from mandatory to optional.
- The item 3.01.17 Network Slicing support with TDM-style bandwidth and jitter guarantees has been changed from mandatory to optional.
- The item 3.01.18 Support for Flex-E version 2.1 or higher has been changed from mandatory to optional.
- The item 13.01.01.12 BGP Optimal Route Reflection (BGP-ORR) has been changed from mandatory to optional for all equipment types.
- Item 4.01.21 has been changed from 256.000 to 128.000 MACs.
- The item 14.01.01.01 Support for LDP has been changed from mandatory to optional for datacenter equipment.
- Requirement 16.01.02.02 RFC 8666 - OSPFv3 Extensions for Segment Routing has been changed from mandatory to optional.
- Item 2.01.03 AC power full range 90~240V, non-redundant (internal or external) has been added to the CPE role - AC type power supply.
- Physical port specifications in CORE routers have been modified to add 800G capability.

- Training proposals must be provided for each equipment lot. The Section Commercial Proposal in the RFP document has been updated.
- Item 3.01.07 Interface should be configured in a “router style” (subinterface or logical interface based for multi-service with port scope vlan) instead of “switch style” (vlan centered) has been changed from optional to mandatory for METRO role.
- In item 3.01 Architecture, the sub-items for pipeline, buffers, and Flex-E were changed. Refer to the technical requirements document for the mandatory and optional requirements in this section.
- Item 4.01.08 Supports at least 40M routes in RIB and 4.01.09 Supports at least 20M routes in RIB have been updated.
- Item 18.01.13 RFCs 8639/8641 - gNMI/gRPC-based telemetry with real-time collection has been updated for METRO role.
- Item 1.01.07 All the 800G ports need to be QSFP-DD800 (QSFP-DD MSA Alliance) has been added.
- Item 4.01.03 Supports more than a 200,000 (a two hundred thousand) stateless filters simultaneously, including BGP flow-specification filters and 4.01.05 Supports more than a 50,000 (fifty thousand) stateless filters simultaneously, including BGP flow-specification filters have been updated to CORE role.
- Item 5.01.05 Minimum of 8 classification rules (or classes) and item 5.01.06 Minimum of 4 classification rules (or classes) have been updated for all equipment types.
- In item IGP Extensions 16.01.02.02, the sub-items were changed for all roles. Refer to the technical requirements document for the mandatory and optional requirements in this section.
- Item SR-MPLS 16.01.02 and its associated sub-items have been updated for the peering router type.
- Item Monitoring 18.01 has been updated for all equipment types.
- Item 18.01.13 Export flows in IPFIX 315 format with hardware-based assistance/processing and item 18.01.14 Support for INT (in-band network telemetry) have been added.