



RFP

Request For Proposal to deploy a SD-WAN network

Table of contents

1.	Forewords	4
1.1	Presentation of the project	4
1.1.1	Goals.....	4
1.1.2	Key challenges.....	4
1.2	Main expectations.....	4
1.2.1	Business and technology.....	4
1.2.2	Deployment and operation.....	4
1.3	Organization of the RFP	4
2.	Definition of the RFP.....	5
2.1	Main objectives.....	5
2.1.1	Business objectives	5
2.1.2	Functional objectives	5
2.1.3	Technical objectives.....	5
2.2	Service connectivity.....	5
2.2.1	Existing sites	5
2.2.2	Geographic areas.....	5
2.3	General functional and technical requirements.....	5
2.3.1	Hardware configuration of connected sites	5
2.3.2	Architecture of core controllers.....	5
2.3.3	Zero Touch Provisionning (ZTP)	5
2.3.4	WAN routing service	5
2.3.5	Applications classification.....	5
2.3.6	Bandwidth optimization	5
2.3.7	Security.....	5
2.3.8	Service continuity and Disaster recovery	5
2.3.9	Dimensioning and provisioning	5
2.3.10	Monitoring	5
2.4	Detailed functional and technical requirements.....	5
2.4.1	Architecture of the service.....	5
2.4.2	Network connectivity.....	5
2.4.3	Sites hardware configuration.....	5
2.4.4	Flow prioritization and QoS.....	5
2.4.5	Security.....	5
2.4.6	Service configuration and monitoring	6
2.4.7	Metrics collection and reporting	6
2.4.8	Availability, continuity and disaster recovery	6
2.4.9	Durability, scalability, constructor guarantee.....	6
2.5	Integration in the existing environment	6
2.5.1	General requirements.....	6
2.5.2	WAN	6
2.5.3	Datacenter.....	6
2.5.4	Typology of sites.....	6
2.5.5	Small office.....	7
2.5.6	Branch office.....	7
2.5.7	Main office	7
2.5.8	Classification of applications, network flows, compression, QoS managemen.....	7

2.5.9	Internet local offload.....	7
2.5.10	WAN services	7
2.5.11	LAN services	7
2.5.12	RAS.....	7
2.5.13	NAT / PAT	7
2.5.14	Connectivity to mobile networks	7
2.5.15	Network monitoring.....	7
2.6	Project management	7
2.6.1	Project team	7
2.6.2	Project governance.....	7
2.6.3	Tests, qualification, and Reception.....	7
2.6.4	Planning	7
2.6.5	Training.....	7
2.7	Operation of the network	7
2.7.1	Specifications	7
2.7.2	SLA.....	7
2.8	Financial and legal proposal.....	7
2.8.1	Requirements.....	7
2.8.2	Duration of the contract	7
2.8.3	Licenses and fees.....	7
2.8.4	Price breakdown	7
2.9	Planning of the tender	8
2.10	Bid selection criterion.....	8
2.11	Contacts.....	8

1. Forewords

1.1 Presentation of the project

1.1.1 Goals

1.1.2 Key challenges

1.2 Main expectations

1.2.1 Business and technology

1.2.2 Deployment and operation

1.3 Organization of the RFP

2. Definition of the RFP

2.1 Main objectives

- 2.1.1 Business objectives
- 2.1.2 Functional objectives
- 2.1.3 Technical objectives

2.2 Service connectivity

- 2.2.1 Existing sites
- 2.2.2 Geographic areas

2.3 General functional and technical requirements

- 2.3.1 Hardware configuration of connected sites
- 2.3.2 Architecture of core controllers
- 2.3.3 Zero Touch Provisioning (ZTP)
- 2.3.4 WAN routing service
- 2.3.5 Applications classification
- 2.3.6 Bandwidth optimization
- 2.3.7 Security
- 2.3.8 Service continuity and Disaster recovery
- 2.3.9 Dimensioning and provisioning
- 2.3.10 Monitoring

2.4 Detailed functional and technical requirements

Essential > Important > Desirable

2.4.1 Architecture of the service

Requirement	Requirement level
-------------	-------------------

2.4.2 Network connectivity

Requirement	Requirement level
-------------	-------------------

2.4.3 Sites hardware configuration

Requirement	Requirement level
-------------	-------------------

2.4.4 Flow prioritization and QoS

Requirement	Requirement level
-------------	-------------------

2.4.5 Security

Requirement	Requirement level
-------------	-------------------

2.4.6 Service configuration and monitoring

Requirement	Requirement level
-------------	-------------------

2.4.7 Metrics collection and reporting

Requirement	Requirement level
-------------	-------------------

2.4.8 Availability, continuity and disaster recovery

Requirement	Requirement level
-------------	-------------------

2.4.9 Durability, scalability, constructor guarantee

Requirement	Requirement level
-------------	-------------------

2.5 Integration in the existing environment

2.5.1 General requirements

2.5.2 WAN

2.5.3 Datacenter

2.5.4 Typology of sites

1. Small office
2. Branch office
3. Main office

- 2.5.5 Small office
- 2.5.6 Branch office
- 2.5.7 Main office
- 2.5.8 Classification of applications, network flows, compression, QoS management
- 2.5.9 Internet local offload
- 2.5.10 WAN services
- 2.5.11 LAN services
- 2.5.12 RAS
- 2.5.13 NAT / PAT
- 2.5.14 Connectivity to mobile networks
- 2.5.15 Network monitoring

2.6 Project management

- 2.6.1 Project team
- 2.6.2 Project governance
- 2.6.3 Tests, qualification, and Reception
- 2.6.4 Planning
- 2.6.5 Training

2.7 Operation of the network

- 2.7.1 Specifications
- 2.7.2 SLA

2.8 Financial and legal proposal

- 2.8.1 Requirements
- 2.8.2 Duration of the contract
- 2.8.3 Licenses and fees
- 2.8.4 Price breakdown

2.9 Planning of the tender

2.10 Bid selection criterion

2.11 Contacts