



## Service Description: Advanced Services – Fixed Price

### Mobile Packet Core – Market Ready Trial Service (ASF-SP-MI-MRT)

This document describes Advanced Services Fixed Price: Mobile Packet Core – Market Ready Trial Service.

**Related Documents:** This document should be read in conjunction with the following documents also posted at [www.cisco.com/go/servicedescriptions/](http://www.cisco.com/go/servicedescriptions/): (1) Glossary of Terms; (2) List of Services Not Covered. All capitalized terms in this description have the meaning ascribed to them in the Glossary of Terms.

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#### Mobile Packet Core – Market Ready Trial Service

##### Service Summary

Cisco will execute proof-of-concept for one (1) network function running on ASR5000 in Customer's lab or friendly user test

environment to demonstrate up to three (3) mutually agreed in-line services (e.g. content filtering, enhanced charging, quality of service (QOS) control, firewall/network address translation (NAT) policy control etc. ). Customer shall inform Cisco in writing which one (1) network function it has chosen from the following list of network functions: PDSN, HA, GGSN, PDIF, PDG, P-CSCF, I-CSCF, PGW, SGW, ASNGW, or TTG.

This Market Ready Trial will include the following deliverables from Cisco:

- Planning discussion
- Test Object List
- ASR5000 Network Function Configuration and Integration
- Test Execution
- Network Analysis Report

##### Location of Services

Services are delivered onsite and remote to the Customer.

##### Planning discussion

#### Cisco Responsibilities

- Conduct one (1) onsite session to present, discuss and collect proof-of-concept information including:
  - Equipment features and capabilities
  - Design considerations
  - In-line services
  - Integration touchpoints
  - Call flows
  - Equipment configuration requirements, e.g. user pool information, IP address and vlan information
- Agree on the in-line services with the Customer.
- Providing Customer dependencies and requirements outside of ASR5000 that the Customer needs to meet to enable test execution.
- Document and publish meeting notes.
- A single point of technical contact is provided to the Customer.

#### Customer Responsibilities

- Contact information for the Customer PM and technical lead is made available to Cisco.
- Ensure key stakeholders, including the Customer team and/or 3rd party vendor team, are available to attend the organized session and meetings.

- Prepare and provide the following information to Cisco during the onsite meeting:
  - Equipment features and capabilities
  - Design considerations
  - In-line services
  - Integration touchpoints
  - Call flows
  - Equipment configuration requirements, e.g. user pool information, IP address and vlan information
- Mutually agree with Cisco up to three in-line services.
- Ensure to meet the dependencies and requirements as provided by Cisco to enable Cisco to execute the test cases.

### Test Object List

#### Cisco Responsibilities

- Develop and provide a list of proposed test cases with brief description in Test Object List (TOL) based on the planning discussion and information provided by Customer. The TOL is to focus on verification of the key functionalities of the network function on ASR5000 and the associated in-line services.
- Cisco will use spreadsheets to collect engineering information (CIQ), build test object list and document test results.
- Review the TOL with Customer for comment and approval.

#### Customer Responsibilities

- Review the TOL within three (3) business days upon receipt of the TOL.
- Responsible for ensuring that dependencies and requirements outside of ASR5000 for the testing are met.

### ASR5000 Network Function Configuration and Integration

#### Cisco Responsibilities

- Develop and agree with Customer the ASR5000 configurations in accordance with the agreed TOL and planning discussion.
- Configure the ASR5000 with the agreed configurations.
- Ensure the basic connectivity to next-hop neighbors.
- Ensure the touch-point connectivity at the application layer.

#### Customer Responsibilities

- Review and agree on the Cisco developed configurations for ASR5000.
- Perform the physical hardware installation, rack, power and cable the ASR5000.
- Ensure the dependencies and requirements in the equipment outside of ASR5000 are met within agreed upon timeframes.

### Test Execution

#### Cisco Responsibilities

- Execute the agreed Test Object List in the lab or user friendly environment. Both parties agree that only one test cycle shall be performed.
  - Capture and document the test results.
- Provide up to two (2) consecutive business days of remote support the next business day after test execution completion.

#### Customer Responsibilities

- Customer PM to identify, facilitate, and schedule Customer resources required for the test validation.
- Provide test equipment and resources that may be required for test execution.

### Network Analysis Report

#### Cisco Responsibilities

- Provide a network analysis report based on the data collected from the ASR5000, including trending on subscribers and traffic, for up to a period of one week.

#### Customer Responsibilities

- Review the network analysis report within two (2) business days.
- Ensure there is live/friendly user traffic on ASR5000 upon completion of the test execution to enable Cisco to provide the network analysis report.

#### General Customer Responsibilities

- All information (such as but not limited to: designs, topologies, requirements) provided by Customer is assumed to be up-to-date and valid for the Customer's current environment. Cisco Services are based upon information provided to Cisco by Customer at the time of the Services.
- Customer acknowledges that the completion of Services is dependent upon Customer meeting its responsibilities as indicated herein.
- Identify Customer's personnel and define their roles in the participation of the Services. Such personnel may include but is not limited to: architecture design and planning engineers, and network engineers.
- Ensure Customer's personnel are available to participate during the course of the Services to provide information and to participate in scheduled information gathering sessions, interviews, meetings and conference calls.

- Support services provided by Cisco comprise technical advice, assistance and guidance only.
- Unless otherwise agreed by the parties, ensuring that Cisco's request for information or documentation needed for the Services is provided within two (2) business day of Cisco's request.
- Environment establishment (rack/power/cable) with any relevant test gear, radio gear, UE is Customer's responsibility.
- Network Analysis Report shall only be provided if there is live/friendly user traffic on ASR5000. Both parties agree that the traffic shall be on the ASR5000 no later than one week after completion of the test execution.
- The testing in proof-of-concept will focus on the key functionality limited to 50 test cases.
- Customer acknowledges that performance testing is out of the scope.
- Provide Power, Rack/Stack and cabling of all equipment.
- Provide a Project Manager and primary technical contact for the Services as well as access to required individuals during the project execution.
- Making any changes required in the equipment outside of ASR5000.

- Customer expressly understand and agree that the Services shall take place and complete within ninety (90) calendar days from issuing a Purchase Order to Cisco for the Services herein.

#### **Invoicing and Completion**

##### **Invoicing**

Services will be invoiced upon completion of the Services.

##### **Completion of Services**

Cisco will provide written notification upon completion of the Services to Customer. The Customer shall within five (5) Business Days of receipt of such notification provide written acknowledgement of Cisco's completion of the Services. Customer's failure to acknowledge completion of the Services or to provide reasons for rejection of the Services within the five (5) Business Day period signifies Customer's acceptance of completion of the Services in accordance with this Service Description.