# Enabler Test Report

# Secure User Plane for Location v1.0

OMA TestFest (November 2007)
Version 23rd November 2007

Open Mobile Alliance
OMA-EnablerTestReport-TestFest-21-Nov-2007-SUPL-10-20071123

# Contents

# 1. Scope

This report describes the results from the testing carried out at OMA TestFest-21 (November 2007) concerning the Secure User Plane for Location Version 1.0 Enabler.

# 2. References

## 2.1 Normative References


[IOPPROC] "OMA Interoperability Policy and Process", Version 1.3, Open Mobile Alliance™, OMA-ORG-IOP_Process-V1_3, URL:http://www.openmobilealliance.org/

[RFC2119] "Key words for use in RFCs to Indicate Requirement Levels", S. Bradner, March 1997, URL:http://www.ietf.org/rfc/rfc2119.txt

[ERELD] "Enabler Release Definition for Secure User Plane for Location", OMA-ERELD-SUPL-V1_0-20070615-A, URL:http:www.openmobilealliance.org

[ERP] "Enabler Release Package", OMA-ERP-SUPL-V1_0-20070615-A URL:http:www.openmobilealliance.org

[ETG] "Enabler Test Guidelines", OMA-ETG-SUPL-V1_0-20071004-A,

URL:http:www.openmobilealliance.org

[ETS] "Enabler Test Specification", OMA-ETS-SUPL-V1_0-20070116-C,

URL:http:www.openmobilealliance.org

[EICS] "Enabler Implementation Conformance Statement", OMA SUPL 1.0, OMA-EICS-SUPL-V1_0-20060526-A, http://www.openmobilealliance.org/


## 2.2 Informative References


[OMADICT] Dictionary for OMA Specification, OMA-Dictionary http://www.openmobilealliance.org/

# 3. Terminology and Conventions

## 3.1 Conventions

This is an informative document, i.e. the document does not intend to contain normative statements.

## 3.2 Definitions

| | |
|---|---|
| **MLS application** | An application which requests and consumes the location information |
| **Network Initiated SUPL Services** | Network Initiated SUPL Services are services which originate from within the SUPL network as opposed to the SET. For these services, the SUPL Agent resides in the Network. |
| **Non-Proxy Mode** | The SPC system will have direct communication with the SET. |
| **Proxy Mode** | The SPC system will not have direct communication with the SET. In this environment the SLC system will act as a proxy between the SET and the SPC. |
| **SET Initiated SUPL Services** | SET Initiated SUPL Services are services which originate from the SET. For these services, the SUPL Agent resides within the SET. |
| **SUPL Agent** | Service access point which accesses the network resources to obtain location information. |
| **SUPL Enabled Terminal (SET)** | A device that is capable of communicating with a SUPL network. Examples of this could be a UE in UMTS, a MS in GSM or IS-95, or a PC over an IP-based transport. |
| **SUPL Location Centre (SLC)** | Coordinates the operations of SUPL in the network and interacts with the SUPL Enabled Terminal (SET) over User Plane bearer. |
| **SUPL Location Platform (SLP)** | Entity responsible for SUPL Service Management and Position Determination. SLP contains the SLC and SPC Functions. |
| **SUPL Positioning Centre (SPC)** | Entity in the SUPL network responsible for all messages and procedures required for position calculation and for the delivery of assistance data. |
| **Test Case** | A Test Case is an individual test used to verify the conformance of the Test Object to a particular mandatory feature of the protocol. A 4-digit number identifies Test Cases where the first two digits denote the Test Group ID. |
| **Test Object** | The implementation under test is referred to as the Test Object. In this document, the Client. |
| **TestFest** | Multi-lateral interoperability testing event |
| **Trusted Zone** | An OMA staff function to provide a neutral confidential information and results collection service to OMA Members. The Trusted Zone is responsible for all reports resulting from an OMA Test Event and to ensure that all general reports cannot attributed to any one individual participating company |

## 3.3 Abbreviations

| | |
|---|---|
| **AFLT** | Advanced Forward Link Trilateration |
| **A-GPS** | Assisted GPS |
| **CID** | Cell ID |
| **CI** | Cell Identity (3GPP) |
| **ECID** | Enhanced Cell ID |

| | |
|---|---|
| **EOTD** | Enhanced Observed Time Difference |
| **FFS** | For Further Study |
| **FQDN** | Fully Qualified Domain Name |
| **GMLC** | Gateway Mobile Location Centre |
| **GMT** | Greenwich Mean Time |
| **GPS** | Global Positioning System |
| **H-SLP** | Home SLP |
| **IMSI** | International Mobile Subscriber Identity |
| **IP** | Internet Protocol |
| **LAC** | Location Area Code (3GPP) |
| **LCS** | Location Services |
| **MAC** | Message Authentication Code |
| **MCC** | Mobile Country Code (3GPP) |
| **MLC** | Mobile Location Centre |
| **MLP** | Mobile Location Protocol |
| **MLS** | Mobile Location Services |
| **MNC** | Mobile Network Code (3GPP) |
| **MNO** | Mobile Network Operator |
| **MSID** | Mobile Station Identifier |
| **NID** | Network ID (C.S0022-A V1.0 ) |
| **NMR** | Network Measurement Report |
| **OMA** | Open Mobile Alliance |
| **OTDOA** | Observed Time Difference of Arrival |
| **PAP** | WAP Push Access Protocol |
| **PPG** | Push Proxy Gateway |
| **QoP** | Quality of Position |
| **RLP** | Roaming Location Protocol |
| **RRC** | Radio Resource Control |
| **RRLP** | Radio Resource LCS Protocol |
| **R-SLP** | Requesting SLP |
| **RNC** | Radio Network Controller |
| **SET** | SUPL Enabled Terminal |
| **SIM** | Subscriber Identity Module |
| **SLC** | SUPL Location Centre |
| **SLIA** | Standard Location Immediate Answer |
| **SLIR** | Standard Location Immediate Request |
| **SLP** | SUPL Location Platform |
| **SMLC** | Serving Mobile Location Centre |
| **SMS** | Short Message Service |
| **SMSC** | Short Message Service Centre |

| | |
|---|---|
| **SPC** | SUPL Positioning Centre |
| **SPCF** | SUPL Position Calculation Function |
| **SPF** | SUPL Privacy Function |
| **SRLIA** | Standard Roaming Location Immediate Answer |
| **SRLIR** | Standard Roaming Location Immediate Request |
| **SRRF** | SUPL Reference Retrieval Function |
| **SSF** | SUPL Security Function |
| **SSMF** | SUPL Service Management Function |
| **TBD** | To Be Developed |
| **TLS** | Transport Layer Security |
| **UE** | User Equipment |
| **ULP** | Userplane Location Protocol |
| **URI** | Uniform Resource Identifier |
| **URL** | Uniform Resource Locator |
| **V-SLP** | Visited SLP |
| **WAP** | Wireless Application Protocol |
| **EICS** | Enabler Implementation Conformance Statement |
| **ERELD** | Enabler Release Definition |
| **ERP** | Enabler Release Package |
| **ETG** | Enabler Test Guidelines |
| **ETS** | Enabler Test Specification |
| **SUPL** | Secure User Plane for Location |
| **INC** | Inconclusive |
| **N/A** | Not Applicable |
| **OMA** | Open Mobile Alliance |
| **OT** | Out of Time |
| **PR** | Problem Report |
| **SCTS** | SnycML Conformance Test Suite |
| **TC** | Test Case |

# 4. Summary

This report gives details of the testing carried out during the OMA TestFest-21 (November 2007) for Secure User Plane for Location (SUPL) v1.0.

The report is compiled on behalf of OMA by the OMA Trusted Zone.

The work and reporting has followed the OMA IOP processes and policies [OMAIOPPROC].

# 5. Test Details

## 5.1 Documentation

This chapter lists the details of the enabler and any documentation, tools or test suites used to prove the enabler.

| | |
|---|---|
| **Date:** | 9th to 16th November 2007 |
| **Location:** | Bled, Slovenia |
| **Enabler:** | SUPL v1.0 |
| **Process:** | OMA Interoperability Policy and Process [OMAIOPPROC] |
| **Type of Testing** | Interoperability Testing |
| **Products tested:** | Client-to-server |
| **Test Guidelines:** | SUPL Enabler Test Guidelines [ETG] – OMA-ETG-SUPL-V1_0-20071004-A |
| **Test Specification:** | SUPL Enabler Test Specifications – OMA-ETS-SUPL-V1_0-20070116-C |
| **Test Tool:** | None |
| **Test Code:** | None |
| **Type of Test event:** | TestFest |
| **Participants:** | Qualcomm, Ericsson and 4 other Participants. |
| **Number of Client Implementations:** | 6 |
| **Participating Technology Providers for clients:** | Qualcomm and 4 other Clients |
| **Implementation IDs for each client:** | Client A and Client B |
| **Number of Server Implementations:** | 2 |
| **Participating Technology Providers for servers:** | Ericsson and 1 other Implementation. |
| **Implementation IDs for each server:** | GMPC |
| **Number of test sessions completed:** | 12 |

# 5.2 Test Case Statistics

## 5.2.1 Test Case Summary

This chapter gives an overview of the result for all test cases included in [ETS].

The following status is used in the tables below:

- Total number of TCs: Used in the summary to indicate how many test cases there are in total.
- Number of passed: Used in the summary to indicate how many of the total testcases that successfully has been passed.
- Number of failed: Used in the summary to indicate how many of the total testcases that has failed.
- Number of N/A: Used in the summary to indicate how many of the total testcases that has not be run due to that the implementation(s) do not support the functionality required to run this test case.
- Number of OT: Used in the summary to indicate how many of the total testcases that has not be run due to no time to run the test case.
- Number of INC: Used in the summary to indicate how many of the total testcases that has not been run due to that the functionality could not be tested due to an error in the implementation in another functionality that is required to run this test case.

| Test Section: | Number of test sessions: | Total number of TCs: | Number of Passed: | Number of Failed: | Number of N/A: | Number of OT: | Number of INC: | Total: |
|---|---|---|---|---|---|---|---|---|
| Client to Server TCs | 12 | 78 | 396 | 7 | 257 | 2 | 1 | 663 |
| **Total** | **12** | **78** | **396** | **7** | **257** | **2** | **1** | **663** |

**Table 1. Test Summary Table**

### 5.2.2 Test Case List

This chapter lists the statistics for all all interoperability test cases included in [ETS].

The following status is used in the tables below:

- **Runs (R)**: Used to indicate the total number of times the test case have been run (R = P + F + I).
- **Pass (P):** Used to indicate how many times the test case have been run and successfully passed.
- **Fail (F):** Used to indicate how many times the test cases have been run and failed (used when the failure reason is known).
- **Inconclusive (I)**: Used to indicate how many times the test cases have been run and did not pass due to other nature than conclusive implementation or specification failure (e.g.: the failure reason cannot be clearly determined).
- **Not Applicable (N/A):** Used to indicate how many times the test cases have not be run due to lack of support for the required functionality to run this test case by one or more involved implementations.
- **Out of Time (O):** Used to indicate how many times the test cases have not been run due to lack of time.
- **Problem Report (PR):** Used to indicate how many PRs have been issued for the test case.
- **Note:** Used to indicate the cause of the Inconclusive or Failed results.

#### Tests for SUPL v1.0 Enabler TestFest taken from OMA-ETS-SUPL-V1_0-20070116-C

| Test Case id: | Description: | Test Counts | | | | | | PR: | Note: |
|---|---|---|---|---|---|---|---|---|---|
| | | R | P | F | O | I | N/A | | |
| **SUPL-1.0-int-000** | To test Cell ID positioning method when SET is not roaming. | 12 | 12 | 0 | 0 | 0 | 0 | | |
| **SUPL-1.0-int-010** | To test SET and H-SLP mutual authentication when H-SLP does not support PSK-TLS authentication. | 11 | 11 | 0 | 1 | 0 | 0 | | |
| **SUPL-1.0-int-020** | To test Cell ID positioning method when SET is roaming and position calculation is done by H-SLP (Proxy Mode). | 6 | 6 | 0 | 0 | 0 | 0 | | |
| **SUPL-1.0-int-030** | To test Cell ID positioning method when SET is roaming and position calculation is done by V-SLP (Proxy Mode). | 0 | 0 | 0 | 0 | 0 | 1 | | |
| **SUPL-1.0-int-200** | To test SET-assisted A-GPS positioning method when SET is not roaming. | 12 | 12 | 0 | 0 | 0 | 0 | | |

| Test Case id: | Description: | Test Counts | | | | | | PR: | Note: |
|---|---|---|---|---|---|---|---|---|---|
| | | R | P | F | O | I | N/A | | |
| **SUPL-1.0-int-201** | To test SET-based A-GPS positioning method when SET is not roaming. | 12 | 12 | 0 | 0 | 0 | 0 | | |
| **SUPL-1.0-int-202** | To test Autonomous GPS positioning method when SET is not roaming. | 5 | 2 | 3 | 0 | 0 | 7 | | |
| **SUPL-1.0-int-203** | To test AFLT positioning method when SET is not roaming. | 0 | 0 | 0 | 0 | 0 | 12 | | |
| **SUPL-1.0-int-204** | To test Enhanced Cell ID positioning method when SET is not roaming. | 4 | 4 | 0 | 0 | 0 | 8 | | |
| **SUPL-1.0-int-205** | To test E-OTD positioning method when SET is not roaming. | 0 | 0 | 0 | 0 | 0 | 12 | | |
| **SUPL-1.0-int-206** | To test OTDOA positioning method when SET is not roaming. | 0 | 0 | 0 | 0 | 0 | 12 | | |
| **SUPL-1.0-int-210** | To test that the returned position fulfills the requested horizontal accuracy. SET is not roaming. | 12 | 12 | 0 | 0 | 0 | 0 | | |
| **SUPL-1.0-int-211** | To test that a position is returned within the specified response time. SET is not roaming | 12 | 12 | 0 | 0 | 0 | 0 | | |
| **SUPL-1.0-int-212** | To test that altitude is returned although the requested accuracy may not be fulfilled. SET is not roaming | 12 | 12 | 0 | 0 | 0 | 0 | | |
| **SUPL-1.0-int-213** | To test that an error message is returned when the requested vertical accuracy can not be fulfilled. SET is not roaming | 5 | 5 | 0 | 0 | 0 | 7 | | |
| **SUPL-1.0-int-214** | To test that a position is returned although the requested horizontal accuracy may not be fulfilled. SET is not roaming | 12 | 12 | 0 | 0 | 0 | 0 | | |
| **SUPL-1.0-int-215** | To test that an error message is returned when the requested horizontal accuracy can not be fulfilled. SET is not roaming. | 11 | 11 | 0 | 0 | 0 | 1 | | |

| Test Case id: | Description: | Test Counts | | | | | | PR: | Note: |
|---|---|---|---|---|---|---|---|---|---|
| | | R | P | F | O | I | N/A | | |
| **SUPL-1.0-int-217** | To test that the current position is returned when a previously computed position does not fulfil the specified age limit. SET is not roaming. | 7 | 7 | 0 | 0 | 0 | 5 | | |
| **SUPL-1.0-int-220** | To test that a previously computed position stored in the SET is returned to the H-SLP when the requested QoP is fulfilled. | 3 | 2 | 1 | 0 | 0 | 9 | | |
| **SUPL-1.0-int-221** | To test that the current position is returned to the H-SLP when the requested QoP is not fulfilled. | 9 | 9 | 0 | 0 | 0 | 3 | | |
| **SUPL-1.0-int-240** | To test that the velocity of the SET can be returned when the SET-based A-GPS positioning method is used. SET is not roaming | 4 | 4 | 0 | 0 | 0 | 8 | | |
| **SUPL-1.0-int-241** | To test that the velocity of the SET can be returned when the SET-assisted A-GPS positioning method is used. SET is not roaming | 5 | 5 | 0 | 0 | 0 | 7 | | |
| **SUPL-1.0-int-250** | To test Notification only. SET is not roaming. | 12 | 12 | 0 | 0 | 0 | 0 | | |
| **SUPL-1.0-int-251** | To test Notification and Verification Allowed on No Answer. The SET User answers and accepts the positioning request. SET is not roaming. | 12 | 12 | 0 | 0 | 0 | 0 | | |
| **SUPL-1.0-int-252** | To test Notification and Verification Allowed on No Answer. The SET User answers and rejects the positioning request. SET is not roaming. | 12 | 12 | 0 | 0 | 0 | 0 | | |
| **SUPL-1.0-int-253** | To test Notification and Verification Allowed on No Answer. The SET User does not answer, which means that the positioning request is accepted. SET is not roaming. | 12 | 12 | 0 | 0 | 0 | 0 | | |

| Test Case id: | Description: | Test Counts | | | | | | PR: | Note: |
|---|---|---|---|---|---|---|---|---|---|
| | | R | P | F | O | I | N/A | | |
| **SUPL-1.0-int-254** | To test Notification and Verification Denied on No Answer. The SET User answers and accepts the positioning request. SET is not roaming. | 12 | 12 | 0 | 0 | 0 | 0 | | |
| **SUPL-1.0-int-255** | To test Notification and Verification Denied on No Answer. The SET User answers and rejects the positioning request. SET is not roaming. | 12 | 12 | 0 | 0 | 0 | 0 | | |
| **SUPL-1.0-int-256** | To test Notification and Verification Denied on No Answer. The SET User does not answer, which means that the positioning request is denied. SET is not roaming. | 12 | 12 | 0 | 0 | 0 | 0 | | |
| **SUPL-1.0-int-257** | To test Privacy Override. SET is not roaming. | 12 | 12 | 0 | 0 | 0 | 0 | | |
| **SUPL-1.0-int-258** | To test that the Requestor Id can be presented to the SET User. SET is not roaming. | 11 | 10 | 1 | 0 | 0 | 1 | | |
| **SUPL-1.0-int-259** | To test that the Client Name (name of the network resident MLS application) can be presented to the SET User. SET is not roaming. | 11 | 10 | 1 | 0 | 0 | 1 | | |
| **SUPL-1.0-int-270** | To test SET-assisted A-GPS Positioning Method when SET is roaming and position calculation is done by H-SLP (Proxy Mode). | 6 | 6 | 0 | 0 | 0 | 0 | | |
| **SUPL-1.0-int-271** | To test SET-based A-GPS Positioning Method when SET is roaming and position calculation is done by H-SLP (Proxy Mode). | 6 | 6 | 0 | 0 | 0 | 0 | | |
| **SUPL-1.0-int-272** | To test Autonomous GPS Positioning Method when SET is roaming and position calculation is done by H-SLP (Proxy Mode). | 0 | 0 | 0 | 0 | 0 | 6 | | |
| **SUPL-1.0-int-273** | To test AFLT Positioning Method when SET is roaming and position calculation is done by H-SLP (Proxy Mode). | 0 | 0 | 0 | 0 | 0 | 6 | | |

| Test Case id: | Description: | Test Counts | | | | | | PR: | Note: |
|---|---|---|---|---|---|---|---|---|---|
| | | R | P | F | O | I | N/A | | |
| **SUPL-1.0-int-274** | To test Enhanced Cell ID Positioning Method when SET is roaming and position calculation is done by H-SLP (Proxy Mode). | 1 | 1 | 0 | 0 | 0 | 5 | | |
| **SUPL-1.0-int-275** | To test E-OTD Positioning Method when SET is roaming and position calculation is done by H-SLP (Proxy Mode). | 0 | 0 | 0 | 0 | 0 | 6 | | |
| **SUPL-1.0-int-276** | To test OTDOA Positioning Method when SET is roaming and position calculation is done by H-SLP (Proxy Mode). | 0 | 0 | 0 | 0 | 0 | 6 | | |
| **SUPL-1.0-int-280** | To test SET-assisted A-GPS Positioning Method when SET is roaming and position calculation is done by V-SLP (Proxy Mode). | 0 | 0 | 0 | 0 | 0 | 1 | | |
| **SUPL-1.0-int-281** | To test SET-based A-GPS Positioning Method when SET is roaming and position calculation is done by V-SLP (Proxy Mode). | 0 | 0 | 0 | 0 | 0 | 1 | | |
| **SUPL-1.0-int-282** | To test Autonomous GPS Positioning Method when SET is roaming and position calculation is done by V-SLP (Proxy Mode). | 0 | 0 | 0 | 0 | 0 | 1 | | |
| **SUPL-1.0-int-283** | To test AFLT Positioning Method when SET is roaming and position calculation is done by V-SLP (Proxy Mode). | 0 | 0 | 0 | 0 | 0 | 1 | | |
| **SUPL-1.0-int-284** | To test Enhanced Cell ID Positioning Method when SET is roaming and position calculation is done by V-SLP (Proxy Mode). | 0 | 0 | 0 | 0 | 0 | 1 | | |
| **SUPL-1.0-int-285** | To test E-OTD Positioning Method when SET is roaming and position calculation is done by V-SLP (Proxy Mode). | 0 | 0 | 0 | 0 | 0 | 1 | | |
| **SUPL-1.0-int-286** | To test OTDOA Positioning Method when SET is roaming and position calculation is done by V-SLP (Proxy Mode). | 0 | 0 | 0 | 0 | 0 | 1 | | |

| Test Case id: | Description: | Test Counts | | | | | | PR: | Note: |
|---|---|---|---|---|---|---|---|---|---|
| | | R | P | F | O | I | N/A | | |
| **SUPL-1.0-int-310** | To test that Requesting SLP (R-SLP) forwards a positioning request from a network resident MLS application to the SET's home SLP (H-SLP). The H-SLP determines the position of the SET and returns the position, through the R-SLP, to the network resident MLS application. SET is not roaming. | 0 | 0 | 0 | 0 | 0 | 11 | | |
| **SUPL-1.0-int-500** | To test Cell ID positioning method when SET is not roaming. | 12 | 12 | 0 | 0 | 0 | 0 | | |
| **SUPL-1.0-int-510** | To test SET and H-SLP mutual authentication when H-SLP does not support PSK-TLS authentication. | 11 | 11 | 0 | 1 | 0 | 0 | | |
| **SUPL-1.0-int-520** | To test Cell ID positioning method when SET is roaming and position calculation is done by H-SLP (Proxy Mode). | 6 | 6 | 0 | 0 | 0 | 0 | | |
| **SUPL-1.0-int-530** | To test Cell ID positioning method when SET is roaming and position calculation is done by V-SLP (Proxy Mode). | 0 | 0 | 0 | 0 | 0 | 1 | | |
| **SUPL-1.0-int-600** | To test SET-assisted A-GPS positioning method when SET is not roaming. | 12 | 12 | 0 | 0 | 0 | 0 | | |
| **SUPL-1.0-int-601** | To test SET-based A-GPS positioning method when SET is not roaming. | 12 | 12 | 0 | 0 | 0 | 0 | | |
| **SUPL-1.0-int-602** | To test Autonomous GPS positioning method when SET is not roaming | 3 | 2 | 1 | 0 | 0 | 9 | 0015 | |
| **SUPL-1.0-int-603** | To test AFLT positioning method when SET is not roaming. | 0 | 0 | 0 | 0 | 0 | 12 | | |
| **SUPL-1.0-int-604** | To test Enhanced Cell ID positioning method when SET is not roaming. | 6 | 5 | 0 | 0 | 1 | 6 | 0016 | Note 001 |
| **SUPL-1.0-int-605** | To test E-OTD positioning method when SET is not roaming. | 0 | 0 | 0 | 0 | 0 | 12 | | |

| Test Case id: | Description: | Test Counts | | | | | | PR: | Note: |
|---|---|---|---|---|---|---|---|---|---|
| | | R | P | F | O | I | N/A | | |
| **SUPL-1.0-int-606** | To test OTDOA positioning method when SET is not roaming. | 0 | 0 | 0 | 0 | 0 | 12 | | |
| **SUPL-1.0-int-610** | To test that the returned position fulfills the requested horizontal accuracy. SET is not roaming. | 12 | 12 | 0 | 0 | 0 | 0 | 0014 | |
| **SUPL-1.0-int-611** | To test that a position is returned within the specified response time. SET is not roaming | 10 | 10 | 0 | 0 | 0 | 2 | 0014 | |
| **SUPL-1.0-int-612** | To test that altitude is returned. SET is not roaming | 8 | 8 | 0 | 0 | 0 | 4 | 0014 | |
| **SUPL-1.0-int-613** | To test that the previously computed position is returned when the previously computed position fulfils the specified age limit. SET is not roaming. | 0 | 0 | 0 | 0 | 0 | 12 | 0014 | Note 002 |
| **SUPL-1.0-int-614** | To test that the current position is returned when a previously computed position does not fulfil the specified age limit. SET is not roaming. | 7 | 7 | 0 | 0 | 0 | 5 | | |
| **SUPL-1.0-int-630** | To test that the velocity of the SET can be returned when the SET-assisted A-GPS positioning method is used. SET is not roaming | 5 | 5 | 0 | 0 | 0 | 7 | | |
| **SUPL-1.0-int-640** | To test SET-assisted A-GPS Positioning Method when SET is roaming and position calculation is done by H-SLP (Proxy Mode). | 6 | 6 | 0 | 0 | 0 | 0 | | |
| **SUPL-1.0-int-641** | To test SET-based A-GPS Positioning Method when SET is roaming and position calculation is done by H-SLP (Proxy Mode). | 6 | 6 | 0 | 0 | 0 | 0 | | |
| **SUPL-1.0-int-642** | To test Autonomous GPS Positioning Method when SET is roaming and position calculation is done by H-SLP (Proxy Mode). | 0 | 0 | 0 | 0 | 0 | 6 | | |
| **SUPL-1.0-int-643** | To test AFLT Positioning Method when SET is roaming and position calculation is done by H-SLP (Proxy Mode). | 0 | 0 | 0 | 0 | 0 | 6 | | |

| Test Case id: | Description: | Test Counts | | | | | | PR: | Note: |
|---|---|---|---|---|---|---|---|---|---|
| | | R | P | F | O | I | N/A | | |
| **SUPL-1.0-int-644** | To test Enhanced Cell ID Positioning Method when SET is roaming and position calculation is done by H-SLP (Proxy Mode). | 3 | 3 | 0 | 0 | 0 | 3 | | |
| **SUPL-1.0-int-645** | To test E-OTD Positioning Method when SET is roaming and position calculation is done by H-SLP (Proxy Mode). | 0 | 0 | 0 | 0 | 0 | 6 | | |
| **SUPL-1.0-int-646** | To test OTDOA Positioning Method when SET is roaming and position calculation is done by H-SLP (Proxy Mode). | 0 | 0 | 0 | 0 | 0 | 6 | | |
| **SUPL-1.0-int-650** | To test SET-assisted A-GPS Positioning Method when SET is roaming and position calculation is done by V-SLP (Proxy Mode). | 0 | 0 | 0 | 0 | 0 | 1 | | |
| **SUPL-1.0-int-651** | To test SET-based A-GPS Positioning Method when SET is roaming and position calculation is done by V-SLP (Proxy Mode). | 0 | 0 | 0 | 0 | 0 | 1 | | |
| **SUPL-1.0-int-652** | To test Autonomous GPS Positioning Method when SET is roaming and position calculation is done by V-SLP (Proxy Mode). | 0 | 0 | 0 | 0 | 0 | 1 | | |
| **SUPL-1.0-int-653** | To test AFLT Positioning Method when SET is roaming and position calculation is done by V-SLP (Proxy Mode). | 0 | 0 | 0 | 0 | 0 | 1 | | |
| **SUPL-1.0-int-654** | To test Enhanced Cell ID Positioning Method when SET is roaming and position calculation is done by V-SLP (Proxy Mode). | 0 | 0 | 0 | 0 | 0 | 1 | | |
| **SUPL-1.0-int-655** | To test E-OTD Positioning Method when SET is roaming and position calculation is done by V-SLP (Proxy Mode). | 0 | 0 | 0 | 0 | 0 | 1 | | |
| **SUPL-1.0-int-656** | To test OTDOA Positioning Method when SET is roaming and position calculation is done by V-SLP (Proxy Mode). | 0 | 0 | 0 | 0 | 0 | 1 | | |

**Table 2. Test Case Counts**

**Notes:-**

| | |
|---|---|
| **001** | Unable to meet preconditions that force the required message flow. |
| **002** | Test case needs to clarify that it means to obtain the network-cached position from Case 500 (which is a SET-initiated case). Client always sets MaxAgeLimit 0, and Server does not use MaxAgeLimit and makes no attempt to return a cached position. |

### 5.2.3 Problem Reports

During the activities for TestFest-21, the following problem reports were generated relating to the test materials and test process:

| PR Number | Affecting | Description | Test Case reference / Specification reference |
|---|---|---|---|
| 0014 | OMA-ETS-SUPL-V1_0-20070708-D | ETS test cases for SET initiated Quality of Position (i.e. SUPL-1.0-int-61x) need clarification. | SUPL-1.0-int-610, 611, 612, 613, 614 |
| 0015 | OMA-ETS-SUPL-V1_0-20070708-D | Is SET Initiated Autonomous GPS (SUPL-1.0-int-602) a valid test case | SUPL-1.0-int-602 |
| 0016 | OMA-ETS-SUPL-V1_0-20071004-D | In TC "SUPL-1.0-int-604 - Enhanced Cell ID" pre-conditions can not be met all the time. | SUPL-1.0-int-604 |

Full details of all Problem Reports can be found at:

http://www.openmobilealliance.org/OMA-Problem-Reporting-System.html

# 6. Confirmation

This signature states that the included information is true and valid.

_____

OMA Trusted Zone

# Appendix A. Change History (Informative)

| Type of Change | Date | Section | Description |
|---|---|---|---|
| New Version | 23rd November 2007 | All | First Version for TestFest-21 |
| | | | |