



# **Enabler Test Specification for OMA IMPS 1.3 CSP Interoperability**

Candidate Version 1.3 – 16 Apr 2008

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**Open Mobile Alliance**  
OMA-ETS-IMPS\_CSP\_INT-V1\_3-20080416-C

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# 1. Scope

The purpose of this document is to define the sets of test cases for each service element of OMA IMPS Client-Server Protocol version 1.3.

The test cases in this ETS focus on the interoperability of the CSP of the IMPS 1.3 enabler. These test cases are aimed to verify that implementations of the specifications work satisfactorily.

Another ETS focuses on the conformance of the CSP of the IMPS 1.3 enabler.

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### 2.1 Normative References

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- [SSP] “Server-Server Protocol Semantics Document Version 1.3”, OMA-TS-IMPS-SSP-V1\_3. Open Mobile Alliance™. URL: <http://www.openmobilealliance.org>
- [SSP XMLS] “Server-Server Protocol XML Syntax Document Version 1.3”, OMA-TS-IMPS-SSP\_XMLS-V1\_3. Open Mobile Alliance™. URL: <http://www.openmobilealliance.org>
- [SSP Trans] “Server-Server Protocol Transport Binding Version 1.3”, OMA-TS-IMPS-SSP\_Transport-V1\_3. Open Mobile Alliance™. URL: <http://www.openmobilealliance.org>

### 2.2 Informative References

- [ERELED] “Enabler Release Definition for IMPS Version 1.3”, OMA-ERELED-IMPS-V1\_3. Open Mobile Alliance™. URL: <http://www.openmobilealliance.org>
- [ETR] “Enabler Test Requirements for IMPS Version 1.3”, OMA-ETR-IMPS-V1\_3. Open Mobile Alliance™. URL: <http://www.openmobilealliance.org>
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## 4. Introduction

This document defines the interoperability functional tests for the OMA IMPS Client-Server Protocol (CSP) version 1.3. The SSP test cases are not included in the present version of the ETS and are left for further study.

	SAP	Presence	IM	Group	Shared Content	CIR
CSP-SMS	Included	Included	Included	Included	Included	Included
CSP-HTTP	Included	Included	Included	Included	Included	Included

The test cases address all the Mandatory functional features and some Optional features of the Service Access Point (SAP), Presence (PRSE), Groups (GRSE), Instant Messaging (IMSE) and Shared Content (COSE) service elements.

### 4.1 Test Structure

The cases are organized into test suites, distinguished by service element, client/server, i.e. PRESENCE-CLIENT. Reference [CSP] identifies requirements as applicable to the client and/or the server. Some cases pertain to both client and server, and are therefore contained in multiple suites.

Generally, each case tests one or many functions defined in the [CSP], but some cases test multiple features.

Each case contains a description of the purpose of the case, and details the function tested by the case, necessary test preconditions, actions required by the case and the pass conditions of the case.

The case ID's are based on the associated service element followed by a sequential number given to the specific case. For example, the first case related to the presence service element is case with ID "IMPS-1.3-int-PRSE-1".

In all test cases with more than one client, the second client must be from a different vendor to the first client. Where there are three clients involved, the third client may be from the same vendor as one of the first two clients.

Any client or server behavior not mentioned in the Pass Conditions section of a test does not cause failure to pass unless it prevents from successful completion of this test.

If a client is required to perform a task, which is not an SCR requirement as part of the test case, it should not be counted against it.

Preconditions for each test case include support for the SCR items tested.

NOTE. "Client SCR items tested" and "Server SCR items tested" sections of each test cases do not contain information on the pre-requisite optional requirements.

To avoid interference between some test cases, server and client must be initialised after execution of some test cases. In most cases, instead of the full initialisation client can log off after execution of each test case and log in again in preparation for the next test case.

## 4.2 Test Suites

Test Suite	Description	Test Cases
LOGIN / LOGOUT	Verification that an implementation is able to login and logout via a Service Access Point	SAP
PRESENCE	Verification of an implementation of Presence service element (irrespective of the CSP transport) binding).	SAP, PRSE
INSTANT MESSAGING	Verification of an implementation of Instant Messaging service element (irrespective of the CSP transport binding).	SAP, IMSE
GROUPS	Verification of an implementation of Groups service element (irrespective of the CSP transport binding).	SAP, GRSE
SHARED CONTENT	Verification of an implementation of Shared Content service element (irrespective of the CSP transport binding).	SAP, COSE
COMMUNICATION INITIATION REQUEST	Verification of an implementation of CIR over all types of CSP transport bindings	SAP, CIR
Other	Verification of various other features not falling into the above categories	

## 5. IMPS 1.3 Interoperability Test Cases

### 5.1 IMPS-1.3-int-SAP

#### 5.1.1 Verify the Login functionality (2-way, correct password) (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-SAP-001</b>												
Test Purpose	Verify the Login functionality (2-way, correct password)												
Test Object	Client and Server device												
Test Case Description	Client performs the 2-way login procedure using the User ID and password specified during account creation.												
Specification Reference	[CSP]												
SCR Reference	<p><b>Client SCR Items Tested</b></p> <table> <tr> <td>IMPS-CSP-SERV-C-001</td> <td>Support of Service Access Point functionality</td> <td>M</td> </tr> <tr> <td>IMPS-CSP-SAP-C-006</td> <td>Support for 2-way Login transaction</td> <td>O</td> </tr> </table> <p><b>Server SCR Items Tested</b></p> <table> <tr> <td>IMPS-CSP-SERV-S-001</td> <td>Support of Service Access Point functionality</td> <td>M</td> </tr> <tr> <td>IMPS-CSP-SAP-S-006</td> <td>Support for 2-way Login transaction</td> <td>O</td> </tr> </table>	IMPS-CSP-SERV-C-001	Support of Service Access Point functionality	M	IMPS-CSP-SAP-C-006	Support for 2-way Login transaction	O	IMPS-CSP-SERV-S-001	Support of Service Access Point functionality	M	IMPS-CSP-SAP-S-006	Support for 2-way Login transaction	O
IMPS-CSP-SERV-C-001	Support of Service Access Point functionality	M											
IMPS-CSP-SAP-C-006	Support for 2-way Login transaction	O											
IMPS-CSP-SERV-S-001	Support of Service Access Point functionality	M											
IMPS-CSP-SAP-S-006	Support for 2-way Login transaction	O											
Tool	-												
Test code	-												
Preconditions	<p><b>Equipment:</b></p> <p>1 client and 1 server Functioning SAP with at least 1 user account existing on it.</p> <p><b>Prerequisites:</b></p> <p>2-way Login is supported 2-way Login can be selected (if client supports both 2-way and 4-way login).</p>												
Test Procedure	<p>User selects 2-way login (if it is not default)</p> <p>Client performs the login procedure using the User ID and password specified during account creation.</p> <p>Note: The login procedure may be preceded by Version Discovery, includes Service Negotiation and optionally includes Client Capability Negotiation. These interactions may not be represented in the client's user interface.</p>												
Pass-Criteria	Server confirms successful login and client displays a visual confirmation.												

### 5.1.2 Verify the Login functionality (4-way, correct password) (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-SAP-002</b>
Test Purpose	Verify the Login functionality (4-way, correct password)
Test Object	Client and Server device
Test Case Description	Client performs a 4-way login procedure using the User ID and password specified during account creation.
Specification Reference	[CSP]
SCR Reference	<p><b>Client SCR Items Tested</b></p> <p>IMPS-CSP-SERV-C-001 Support of Service Access Point functionality M</p> <p>IMPS-CSP-SAP-C-007 Support for 4-way Login transaction O</p> <p><b>Server SCR Items Tested</b></p> <p>IMPS-CSP-SERV-S-001 Support of Service Access Point functionality M</p> <p>IMPS-CSP-SAP-S-007 Support for 4-way Login transaction O</p>
Tool	-
Test code	-
Preconditions	<p>Equipment:</p> <p>1 client / 1 server</p> <p>Functioning SAP with at least 1 user account existing on it</p> <p>Prerequisites:</p> <p>Client supports 4-way login.</p> <p>Client and server support the same digest scheme.</p>
Test Procedure	<p>User selects 4-way login (if not default)</p> <p>Client performs the login procedure using the User ID and password specified during account creation.</p> <p>Note: The login procedure may be preceded by Version Discovery, includes Service Negotiation and optionally includes Client Capability Negotiation. These interactions may not be represented in the client's user interface.</p>
Pass-Criteria	Server confirms successful login and client displays a visual confirmation.

### 5.1.3 Verify the client-initiated logout (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-SAP-003</b>
--------------	-----------------------------

Test Purpose	Verify the client-initiated logout												
Test Object	Client and Server device												
Test Case Description	Client successfully logs in to the server, then it initiates logout												
Specification Reference	[CSP]												
SCR Reference	<p>Client SCR Items Tested</p> <table border="0"> <tr> <td>IMPS-CSP-SERV-C-001</td> <td>Support of Service Access Point functionality</td> <td>M</td> </tr> <tr> <td>IMPS-CSP-SAP-C-009</td> <td>Support for Logout transaction originating from client</td> <td>O</td> </tr> </table> <p>Server SCR Items Tested</p> <table border="0"> <tr> <td>IMPS-CSP-SERV-S-001</td> <td>Support of Service Access Point functionality</td> <td>M</td> </tr> <tr> <td>IMPS-CSP-SAP-S-009</td> <td>Support for Logout transaction originating from client</td> <td>O</td> </tr> </table>	IMPS-CSP-SERV-C-001	Support of Service Access Point functionality	M	IMPS-CSP-SAP-C-009	Support for Logout transaction originating from client	O	IMPS-CSP-SERV-S-001	Support of Service Access Point functionality	M	IMPS-CSP-SAP-S-009	Support for Logout transaction originating from client	O
IMPS-CSP-SERV-C-001	Support of Service Access Point functionality	M											
IMPS-CSP-SAP-C-009	Support for Logout transaction originating from client	O											
IMPS-CSP-SERV-S-001	Support of Service Access Point functionality	M											
IMPS-CSP-SAP-S-009	Support for Logout transaction originating from client	O											
Tool	-												
Test code	-												
Preconditions	<p>Equipment:</p> <p>1 client / 1 server</p> <p>Functioning SAP with at least 1 user account existing on it</p>												
Test Procedure	<p>Client successfully logs in to the server</p> <p>Client initiates logout</p>												
Pass-Criteria	Server terminates the user's session. Client confirms it visually.												

#### 5.1.4 Verify the server-initiated disconnect (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-SAP-004</b>						
Test Purpose	Verify server initiates disconnects						
Test Object	Client and Server device						
Test Case Description	Client logs in to the server, then Server initiates the forced disconnect procedure for the logged in client						
Specification Reference	[CSP]						
SCR Reference	<p>Client SCR Items Tested</p> <table border="0"> <tr> <td>IMPS-CSP-SERV-C-001</td> <td>Support of Service Access Point functionality</td> <td>M</td> </tr> <tr> <td>IMPS-CSP-SAP-C-010</td> <td>Support for Server originated disconnect</td> <td>O</td> </tr> </table>	IMPS-CSP-SERV-C-001	Support of Service Access Point functionality	M	IMPS-CSP-SAP-C-010	Support for Server originated disconnect	O
IMPS-CSP-SERV-C-001	Support of Service Access Point functionality	M					
IMPS-CSP-SAP-C-010	Support for Server originated disconnect	O					

	<p>Server SCR Items Tested</p> <p>IMPS-CSP-      Support of Service Access Point functionality      M SERV-S-001</p> <p>IMPS-CSP-      Support for Server originated disconnect      O SAP-S-010</p>
Tool	-
Test code	-
Preconditions	<p>Equipment:</p> <p>1 client / 1 server</p> <p>Functioning SAP with at least 1 user account existing on it</p> <p>Prerequisites:</p> <p>Server supports manual disconnection of the clients</p>
Test Procedure	<p>Client logs in to the server</p> <p>Server initiates the forced disconnect procedure for the logged in client</p>
Pass-Criteria	Client confirms disconnection visually.

### 5.1.5 Verify the Login functionality in case of a User ID that does not identify a user account on the server

Test Case Id	<b>IMPS-1.3-int-SAP-005</b>
Test Purpose	Verify the Login functionality in the case of a User ID that does not identify a user account on the server.
Test Object	Client and Server device
Test Case Description	Client performs the login procedure using an incorrect User ID and any password
Specification Reference	[CSP]
SCR Reference	<p><b>Client SCR Items Tested</b></p> <p>IMPS-CSP-      Support of Service Access Point functionality      M SERV-C-001</p> <p><b>Server SCR Items Tested</b></p> <p>IMPS-CSP-      Support of Service Access Point functionality      M SERV-S-001</p>
Tool	-
Test code	-
Preconditions	<p>Equipment:</p> <p>1 client / 1 server</p>

	Functioning SAP with at least 1 user account existing on it Server does not support autoregistration or autoregistration is turned off.
Test Procedure	Client performs the login procedure using an incorrect User ID and any password
Pass-Criteria	Server reports an error and client notifies user about unsuccessful login.

### 5.1.6 Verify Client and Server ability to recognize local UserID addresses

Test Case Id	<b>IMPS-1.3-int-SAP-006</b>
Test Purpose	Verify Client and Server ability to recognize local UserID addresses
Test Object	Client and Server device
Test Case Description	Client successfully logs in using the local IMPS addressing scheme format.
Specification Reference	[CSP]
SCR Reference	<p><b>Client SCR Items Tested</b></p> <p>IMPS-CSP-SERV-C-001 Support of Service Access Point functionality M</p> <p>IMPS-CSP-ADDR-C-001 Support for local user addressing M</p> <p><b>Server SCR Items Tested</b></p> <p>IMPS-CSP-SERV-S-001 Support of Service Access Point functionality M</p> <p>IMPS-CSP-ADDR-S-001 Support for local user addressing M</p>
Tool	-
Test code	-
Preconditions	<p><b>Equipment:</b></p> <p>1 client and 1 server</p> <p>Functioning SAP with at least 1 user account existing on it.</p> <p><b>Prerequisites:</b></p> <p>Client has disabled or does not automatically add the default domain to the local address</p>
Test Procedure	<p>Client enters UserID using local addressing scheme</p> <p>Client performs the login procedure using the User ID and password specified during account creation.</p> <p>Note: The login procedure may be preceded by Version Discovery, includes Service Negotiation and optionally includes Client Capability Negotiation. These interactions may not be represented in the client's user interface.</p>

Pass-Criteria	Server confirms successful login and client displays a visual confirmation.  NOTE: If client automatically adds the default domain without the ability to disable it, this is a FAIL.
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### 5.1.7 Verify the Login functionality with a fully qualified UserID

Test Case Id	<b>IMPS-1.3-int-SAP-007</b>												
Test Purpose	Verify the Login functionality with a fully qualified UserID												
Test Object	Client and Server devices												
Test Case Description	The purpose is to verify that the login functionality works when the user types a fully qualified UserID on his client												
Specification Reference	[CSP]: 5, 6.4												
SCR Reference	<p><b>Client SCR Items Tested</b></p> <table> <tr> <td>IMPS-CSP-SERV-C-001</td> <td>Support of Service Access Point functionality</td> <td>M</td> </tr> <tr> <td>IMPS-CSP-ADDR-C-002</td> <td>Support for fully qualified addressing</td> <td>M</td> </tr> </table> <p><b>Server SCR Items Tested</b></p> <table> <tr> <td>IMPS-CSP-SERV-S-001</td> <td>Support of Service Access Point functionality</td> <td>M</td> </tr> <tr> <td>IMPS-CSP-ADDR-S-002</td> <td>Support for fully qualified addressing</td> <td>M</td> </tr> </table>	IMPS-CSP-SERV-C-001	Support of Service Access Point functionality	M	IMPS-CSP-ADDR-C-002	Support for fully qualified addressing	M	IMPS-CSP-SERV-S-001	Support of Service Access Point functionality	M	IMPS-CSP-ADDR-S-002	Support for fully qualified addressing	M
IMPS-CSP-SERV-C-001	Support of Service Access Point functionality	M											
IMPS-CSP-ADDR-C-002	Support for fully qualified addressing	M											
IMPS-CSP-SERV-S-001	Support of Service Access Point functionality	M											
IMPS-CSP-ADDR-S-002	Support for fully qualified addressing	M											
Tool	-												
Test code	-												
Preconditions	<p>Equipment:</p> <ul style="list-style-type: none"> <li>- 1 client and 1 server</li> </ul> <p>Prerequisites:</p> <ul style="list-style-type: none"> <li>- Functioning SAP with at least one account (User A)</li> </ul> <p><u>Note</u>: network based authentication and auto-registration are out of the scope of this test case</p>												
Test Procedure	<p>1- Client enters UserID using fully qualified addressing scheme (wv:UserA@domain)</p> <p>2- Client performs the login procedure toward the server using the User ID and password specified during account creation</p>												
Pass-Criteria	Server confirms successful login and client displays a visual confirmation.												

### 5.1.8 Verify the Login functionality (2-way, incorrect password) (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-SAP-008</b>												
Test Purpose	Verify the Login functionality (2-way, incorrect password)												
Test Object	Client and Server device												
Test Case Description	Client tries to perform a 2-way login procedure using the User ID and a wrong password.												
Specification Reference	[CSP]												
SCR Reference	<p><b>Client SCR Items Tested</b></p> <table border="0"> <tr> <td>IMPS-CSP-SERV-C-001</td> <td>Support of Service Access Point functionality</td> <td>M</td> </tr> <tr> <td>IMPS-CSP-SAP-C-006</td> <td>Support for 2-way Login transaction</td> <td>O</td> </tr> </table> <p><b>Server SCR Items Tested</b></p> <table border="0"> <tr> <td>IMPS-CSP-SERV-S-001</td> <td>Support of Service Access Point functionality</td> <td>M</td> </tr> <tr> <td>IMPS-CSP-SAP-S-006</td> <td>Support for 2-way Login transaction</td> <td>O</td> </tr> </table>	IMPS-CSP-SERV-C-001	Support of Service Access Point functionality	M	IMPS-CSP-SAP-C-006	Support for 2-way Login transaction	O	IMPS-CSP-SERV-S-001	Support of Service Access Point functionality	M	IMPS-CSP-SAP-S-006	Support for 2-way Login transaction	O
IMPS-CSP-SERV-C-001	Support of Service Access Point functionality	M											
IMPS-CSP-SAP-C-006	Support for 2-way Login transaction	O											
IMPS-CSP-SERV-S-001	Support of Service Access Point functionality	M											
IMPS-CSP-SAP-S-006	Support for 2-way Login transaction	O											
Tool	-												
Test code	-												
Preconditions	<p>Equipment:</p> <p>1 client and 1 server</p> <p>Functioning SAP with at least 1 user account existing on it</p> <p>Prerequisites:</p> <p>1 client and 1 server</p> <p>2-way Login can be selected (if client supports both 2-way and 4-way login)</p>												
Test Procedure	<p>User selects 2-way login (if it is not default)</p> <p>Client performs the login procedure using the User ID specified during account creation and incorrect password.</p>												
Pass-Criteria	Server reports an error and client notifies user about unsuccessful login.												

### 5.1.9 Verify the Login functionality (4-way, incorrect password) (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-SAP-009</b>
Test Purpose	Verify the Login functionality (4-way, incorrect password)

Test Object	Client and Server device												
Test Case Description	Client tries to perform a 4-way login procedure using the User ID and a wrong password.												
Specification Reference	[CSP]												
SCR Reference	<p><b>Client SCR Items Tested</b></p> <table border="0"> <tr> <td>IMPS-CSP-SERV-C-001</td> <td>Support of Service Access Point functionality</td> <td>M</td> </tr> <tr> <td>IMPS-CSP-SAP-C-007</td> <td>Support for 4-way Login transaction</td> <td>O</td> </tr> </table> <p><b>Server SCR Items Tested</b></p> <table border="0"> <tr> <td>IMPS-CSP-SERV-S-001</td> <td>Support of Service Access Point functionality</td> <td>M</td> </tr> <tr> <td>IMPS-CSP-SAP-S-007</td> <td>Support for 4-way Login transaction</td> <td>O</td> </tr> </table>	IMPS-CSP-SERV-C-001	Support of Service Access Point functionality	M	IMPS-CSP-SAP-C-007	Support for 4-way Login transaction	O	IMPS-CSP-SERV-S-001	Support of Service Access Point functionality	M	IMPS-CSP-SAP-S-007	Support for 4-way Login transaction	O
IMPS-CSP-SERV-C-001	Support of Service Access Point functionality	M											
IMPS-CSP-SAP-C-007	Support for 4-way Login transaction	O											
IMPS-CSP-SERV-S-001	Support of Service Access Point functionality	M											
IMPS-CSP-SAP-S-007	Support for 4-way Login transaction	O											
Tool	-												
Test code	-												
Preconditions	<p>Equipment:</p> <p>1 client / 1 server</p> <p>Functioning SAP with at least 1 user account existing on it</p> <p>Prerequisites:</p> <p>Client supports 4-way login</p> <p>Client and server support the same digest scheme</p>												
Test Procedure	<p>User selects 4-way login (if not default)</p> <p>Client performs the login procedure using the User ID specified during account creation and incorrect password.</p>												
Pass-Criteria	Server reports an error and client notifies user about unsuccessful login.												

### 5.1.10 Verify the unsuccessful Login functionality in case of multiple logins of the same Client-ID

Test Case Id	<b>IMPS-1.3-int-SAP-010</b>
Test Purpose	Verify the unsuccessful Login functionality in case of multiple logins of the same user
Test Object	Client and Server device
Test Case Description	-
Specification Reference	6.4
SCR Reference	<b>Client SCR Items Tested</b>

	<p>No specific SCR item tested</p> <p><b>Server SCR Items Tested</b></p> <p>No specific SCR item tested</p>
Tool	-
Test code	-
Preconditions	<p>Equipment:</p> <p>2 clients (A and B) / 1 server</p> <p>Functioning SAP with at least 1 user account existing on it</p> <p>Prerequisites:</p> <p>Client A and Client B have the same ClientID</p>
Test Procedure	<p>Client A performs the login procedure using valid User ID and password</p> <p>Client B performs the login procedure using the same User ID and password</p>
Pass-Criteria	After Step 2, Client B displays a warning message saying that user is already logged in and is unable to login.

### 5.1.11 Verify the Login functionality in case of multiple logins of the same user with different Client-IDs

Test Case Id	IMPS-1.3-int-SAP-011
Test Purpose	Verify the (successful) Login functionality in case of multiple logins of the same user
Test Object	Client and Server device
Test Case Description	A User is successfully logged in with two different clients at the same time.
Specification Reference	[CSP] 6.4
SCR Reference	<p><b>Client SCR Items Tested</b></p> <p>No specific SCR item tested</p> <p><b>Server SCR Items Tested</b></p> <p>No specific SCR item tested</p>
Tool	-
Test code	-
Preconditions	<p>Equipment:</p> <p>2 clients (A and B) / 1 server</p> <p>Functioning SAP with at least 1 user account existing on it</p> <p>Prerequisites:</p>

	Client A and Client B logs in with different Client-IDs
Test Procedure	Client A performs the login procedure using valid User ID and password Client B performs the login procedure using the same User ID and password
Pass-Criteria	Both clients are logged in at the same time and no error messages are displayed.

### 5.1.12 Verify the Login functionality in case of incorrect domain in Fully Qualified user addressing

Test Case Id	IMPS-1.3-int-SAP-012
Test Purpose	Verify the Login functionality in case of incorrect domain in Fully Qualified user addressing.
Test Object	Client and Server device
Test Case Description	Client tries to log in using a wrong domain part in the Fully Qualified (“external”) UserID format.
Specification Reference	[CSP]
SCR Reference	<p><b>Client SCR Items Tested</b></p> <p>IMPS-CSP-      Support of Service Access Point functionality      M SERV-C-001</p> <p><b>Server SCR Items Tested</b></p> <p>IMPS-CSP-      Support of Service Access Point functionality      M SERV-S-001</p>
Tool	-
Test code	-
Preconditions	<p>Equipment:</p> <p>1 client / 1 server</p> <p>Functioning SAP with at least 1 user account existing on it</p> <p>Prerequisites:</p> <p>Client is able to specify a user domain.</p>
Test Procedure	Client performs the login procedure using an incorrect domain
Pass-Criteria	Client reports unsuccessful login.

### 5.1.13 Verify the Auto Registration (Includes Optional Features)

Test Case Id	IMPS-1.3-int-SAP-013
Test Purpose	Verify the Auto Registration

Test Object	Client and Server device												
Test Case Description	Verify that a user registration is automatically performed the very first time when a Client tries to login to the Server												
Specification Reference	[CSP]: 6.4 and 6.5												
SCR Reference	<p><b>Client SCR Items Tested</b></p> <table> <tr> <td>IMPS-CSP-SERV-C-001</td> <td>Support of Service Access Point functionality</td> <td>M</td> </tr> <tr> <td>IMPS-CSP-SAP-C-008</td> <td>Support for Auto-Registration</td> <td>O</td> </tr> </table> <p><b>Server SCR Items Tested</b></p> <table> <tr> <td>IMPS-CSP-SERV-S-001</td> <td>Support of Service Access Point functionality</td> <td>M</td> </tr> <tr> <td>IMPS-CSP-SAP-S-008</td> <td>Support for Auto-Registration</td> <td>O</td> </tr> </table>	IMPS-CSP-SERV-C-001	Support of Service Access Point functionality	M	IMPS-CSP-SAP-C-008	Support for Auto-Registration	O	IMPS-CSP-SERV-S-001	Support of Service Access Point functionality	M	IMPS-CSP-SAP-S-008	Support for Auto-Registration	O
IMPS-CSP-SERV-C-001	Support of Service Access Point functionality	M											
IMPS-CSP-SAP-C-008	Support for Auto-Registration	O											
IMPS-CSP-SERV-S-001	Support of Service Access Point functionality	M											
IMPS-CSP-SAP-S-008	Support for Auto-Registration	O											
Tool	-												
Test code	-												
Preconditions	<p>Equipment:</p> <p>1 client and 1 server</p> <p>Prerequisites:</p> <p>Functioning SAP</p> <p>Client A is not previously registered.</p>												
Test Procedure	<p>In Client A</p> <ol style="list-style-type: none"> <li>1. ClientA makes a login request to the Server with a dummy UserId (as recognized by the server).</li> <li>2. The Server assigns a new, unique, IMPS User ID and returns it to ClientA (may send password as well).</li> <li>3. The Server logs the new user into the IMPS service.</li> <li>4. User ID is updated in the mobile device.</li> </ol>												
Pass-Criteria	Verify that UserA is logged in at the server.												

### 5.1.14 Verify Search failure due to unfilled mandatory fields in Public Profile of requesting user (Includes Optional Features)

Test Case Id	IMPS-1.3-int-SAP-014
Test Purpose	Search fails due to unfilled mandatory fields in Public Profile of requesting user

Test Object	Client and Server																							
Test Case Description	Verify that Server makes a Search request to fail, if some mandatory fields in the Public Profile of the requesting User are not filled in.																							
Specification Reference	[CSP]: 5.1, 6.1, 7.4																							
SCR Reference	<p><b>Client SCR items tested:</b></p> <table border="1"> <tr> <td>IMPS-CSP-SERV-C-001</td> <td>Support of Service Access Point functionality</td> <td>M</td> </tr> <tr> <td>IMPS-CSP-SAP-C-024</td> <td>Support for searching based on various public profile properties</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-SAP-C-031</td> <td>Support for advanced search</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-SRCH-C-002</td> <td>The client supports including more than one Search-Pair-Lists in the 1st SearchRequest</td> <td>O</td> </tr> </table> <p><b>Server SCR items tested:</b></p> <table border="1"> <tr> <td>IMPS-CSP-SERV-S-001</td> <td>Support of Service Access Point functionality</td> <td>M</td> </tr> <tr> <td>IMPS-CSP-SAP-S-024</td> <td>Support for searching based on various public profile properties</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-SAP-S-031</td> <td>Support for advanced search</td> <td>O</td> </tr> </table>			IMPS-CSP-SERV-C-001	Support of Service Access Point functionality	M	IMPS-CSP-SAP-C-024	Support for searching based on various public profile properties	O	IMPS-CSP-SAP-C-031	Support for advanced search	O	IMPS-CSP-SRCH-C-002	The client supports including more than one Search-Pair-Lists in the 1st SearchRequest	O	IMPS-CSP-SERV-S-001	Support of Service Access Point functionality	M	IMPS-CSP-SAP-S-024	Support for searching based on various public profile properties	O	IMPS-CSP-SAP-S-031	Support for advanced search	O
IMPS-CSP-SERV-C-001	Support of Service Access Point functionality	M																						
IMPS-CSP-SAP-C-024	Support for searching based on various public profile properties	O																						
IMPS-CSP-SAP-C-031	Support for advanced search	O																						
IMPS-CSP-SRCH-C-002	The client supports including more than one Search-Pair-Lists in the 1st SearchRequest	O																						
IMPS-CSP-SERV-S-001	Support of Service Access Point functionality	M																						
IMPS-CSP-SAP-S-024	Support for searching based on various public profile properties	O																						
IMPS-CSP-SAP-S-031	Support for advanced search	O																						
Tool	N/A																							
Test code	N/A																							

Preconditions	<p>Equipment:</p> <ul style="list-style-type: none"> <li>1 Client and 1 Server</li> </ul> <p>Prerequisites:</p> <ul style="list-style-type: none"> <li>SAP with at least 3 User accounts (A, B, C) provisioned on it.</li> <li>Some mandatory fields in the Public Profile of User A are not filled in, e.g. 'PP_COUNTRY'.</li> <li>All mandatory fields in Public Profiles of Users B and C are filled in, but also some optional ones, e.g.: <ul style="list-style-type: none"> <li>User B: <ul style="list-style-type: none"> <li>PP_AGE = '99'</li> <li>PP_FRIENDLY_NAME = 'Marco99'</li> <li>PP_COUNTRY = 'Italy'</li> <li>PP_MARITAL_STATUS = 'S'</li> </ul> </li> <li>User C: <ul style="list-style-type: none"> <li>PP_AGE = '101'</li> <li>PP_FRIENDLY_NAME = 'Marie'</li> <li>PP_COUNTRY = 'France'</li> <li>PP_GENDER = 'F'</li> </ul> </li> </ul> </li> <li>Server is configured by Service Provider to support restricted Search.</li> <li>User A knows some Search criteria that match the Public Profiles of both Users B and C, e.g. ((USER_COUNTRY= 'Italy' AND USER_MARITAL_STATUS= 'S') OR USER_FRIENDLY_NAME= 'Mar')</li> </ul> <p><i>(NOTE: this is to make sure that Search returns no result not because of no matching's, but only because of User A's Public Profile)</i></p> <ul style="list-style-type: none"> <li>User A has neither User B nor User C in Contact List.</li> <li>Client A is logged in.</li> </ul>
Test Procedure	<ul style="list-style-type: none"> <li>Client A issues a Search request (SearchRequest primitive) by specifying search criteria that is known a priori to match both User B and User C, e.g. ((USER_COUNTRY= 'Italy' AND USER_MARITAL_STATUS= 'S') OR USER_FRIENDLY_NAME= 'Mar').</li> </ul>
Pass-Criteria	<ul style="list-style-type: none"> <li>Server makes the Search request to fail (returning a Status primitive, instead of SearchResponse primitive).</li> <li>User A is notified by Client A that his/her request was not accepted because he/she has not filled-in all of the mandatory Public Profile fields.</li> <li>On Client A User A cannot find the UserID and Friendly Names of User B and C.</li> </ul>

### 5.1.15 Verify User Search failure due to Age restrictions in place in Service Provider domain (Includes Optional Features)

Test Case Id	IMPS-1.3-int-SAP-015
Test Purpose	User Search failure due to Age restrictions in place in Service Provider domain.
Test Object	Client and Server
Test Case Description	Verify that, if a Service Provider has configured the Server to enforce Age restrictions in Search (e.g. Age >= 18), a Search request will never return as an outcome those Users, whose Age value in Public Profile is below the specified Age threshold, even if all of the Search criteria are matched.

Specification Reference	[CSP]: 5.1, 6.1, 7.4																							
SCR Reference	<p><b>Client SCR items tested:</b></p> <table border="1"> <tr> <td>IMPS-CSP-SERV-C-001</td> <td>Support of Service Access Point functionality</td> <td>M</td> </tr> <tr> <td>IMPS-CSP-SAP-C-024</td> <td>Support for searching based on various public profile properties</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-SAP-C-031</td> <td>Support for advanced search</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-SRCH-C-002</td> <td>The client supports including more than one Search-Pair-Lists in the 1st SearchRequest</td> <td>O</td> </tr> </table> <p><b>Server SCR items tested:</b></p> <table border="1"> <tr> <td>IMPS-CSP-SERV-S-001</td> <td>Support of Service Access Point functionality</td> <td>M</td> </tr> <tr> <td>IMPS-CSP-SAP-S-024</td> <td>Support for searching based on various public profile properties</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-SAP-S-031</td> <td>Support for advanced search</td> <td>O</td> </tr> </table>			IMPS-CSP-SERV-C-001	Support of Service Access Point functionality	M	IMPS-CSP-SAP-C-024	Support for searching based on various public profile properties	O	IMPS-CSP-SAP-C-031	Support for advanced search	O	IMPS-CSP-SRCH-C-002	The client supports including more than one Search-Pair-Lists in the 1st SearchRequest	O	IMPS-CSP-SERV-S-001	Support of Service Access Point functionality	M	IMPS-CSP-SAP-S-024	Support for searching based on various public profile properties	O	IMPS-CSP-SAP-S-031	Support for advanced search	O
IMPS-CSP-SERV-C-001	Support of Service Access Point functionality	M																						
IMPS-CSP-SAP-C-024	Support for searching based on various public profile properties	O																						
IMPS-CSP-SAP-C-031	Support for advanced search	O																						
IMPS-CSP-SRCH-C-002	The client supports including more than one Search-Pair-Lists in the 1st SearchRequest	O																						
IMPS-CSP-SERV-S-001	Support of Service Access Point functionality	M																						
IMPS-CSP-SAP-S-024	Support for searching based on various public profile properties	O																						
IMPS-CSP-SAP-S-031	Support for advanced search	O																						
Tool	N/A																							
Test code	N/A																							
Preconditions	<p>Equipment:</p> <ul style="list-style-type: none"> <li>1 Client and 1 Server</li> </ul> <p>Prerequisites:</p> <ul style="list-style-type: none"> <li>SAP with at least 3 User accounts (A, B, C) provisioned on it.</li> <li>All mandatory fields in Public Profiles of User A are filled-in.</li> <li>All mandatory fields in Public Profiles of User B and C are filled-in, but also some optional ones, e.g.:             <ul style="list-style-type: none"> <li>User B:                 <ul style="list-style-type: none"> <li>PP_AGE = '14'</li> <li>PP_FRIENDLY_NAME = 'Marco91'</li> <li>PP_COUNTRY = 'Italy'</li> <li>PP_MARITAL_STATUS = 'S'</li> </ul> </li> <li>User C:                 <ul style="list-style-type: none"> <li>PP_AGE = '18'</li> <li>PP_FRIENDLY_NAME = 'Marie'</li> <li>PP_COUNTRY = 'France'</li> <li>PP_GENDER = 'F'</li> </ul> </li> </ul> </li> <li>Server is configured by Service Provider to support Age restriction in Public Profile Search, e.g. searchable users must have Age &gt;= 18.</li> <li>User A knows some Search criteria that – if Age restrictions were not in place – would certainly match the Public Profiles of both Users B and C, e.g. ((USER_COUNTRY='Italy' AND USER_MARITAL_STATUS='S') OR USER_FRIENDLY_NAME='Mar')</li> </ul> <p><i>(NOTE: this is to make sure that the Search does not return User B as an outcome only because of Age restriction on User B)</i></p> <ul style="list-style-type: none"> <li>User A has neither User B nor User C in Contact List.</li> <li>Client A is logged in.</li> </ul>																							

Test Procedure	<ul style="list-style-type: none"> <li>Client A issues a Search request (SearchRequest primitive) by specifying search criteria, which – if Age restriction was not in place – would match both User B and User C, e.g. ((USER_COUNTRY= ‘Italy’ AND USER_MARITAL_STATUS= ‘S’) OR USER_FRIENDLY_NAME= ‘Mar’).</li> </ul>
Pass-Criteria	<ul style="list-style-type: none"> <li>Server accepts the Search request and processes it, by returning as a result to Client A only User C.</li> <li>On Client A, User A can see UserID and Friendly Name of User C, but not that of User B.</li> </ul>

### 5.1.16 Verify successful User Search including Advanced search criteria on Public and Private Profile (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-SAP-016</b>																																						
Test Purpose	Successful User Search including Advanced search criteria on Public and Private Profile.																																						
Test Object	Client and Server																																						
Test Case Description	Verify a successful Search for Users involving Advanced Search criteria on Public and Private Profile.																																						
Specification Reference	[CSP]: 5.1, 6.1, 7.4																																						
SCR Reference	<p><b>Client SCR items tested:</b></p> <table border="1"> <tr> <td>IMPS-CSP-SERV-C-001</td> <td>Support of Service Access Point functionality</td> <td>M</td> <td></td> </tr> <tr> <td>IMPS-CSP-SAP-C-023</td> <td>Support for searching based on various private profile properties</td> <td>O</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-SAP-C-024</td> <td>Support for searching based on various public profile properties</td> <td>O</td> <td></td> </tr> <tr> <td>IMPS-CSP-SAP-C-031</td> <td>Support for advanced search</td> <td>O</td> <td></td> </tr> <tr> <td>IMPS-CSP-SRCH-C-002</td> <td>The client supports including more than one Search-Pair-Lists in the 1st SearchRequest</td> <td>O</td> <td></td> </tr> </table> <p><b>Server SCR items tested:</b></p> <table border="1"> <tr> <td>IMPS-CSP-SERV-S-001</td> <td>Support of Service Access Point functionality</td> <td>M</td> <td></td> </tr> <tr> <td>IMPS-CSP-SAP-S-023</td> <td>Support for searching based on various private profile properties</td> <td>O</td> <td></td> </tr> <tr> <td>IMPS-CSP-SAP-S-024</td> <td>Support for searching based on various public profile properties</td> <td>O</td> <td></td> </tr> <tr> <td>IMPS-CSP-SAP-S-031</td> <td>Support for advanced search</td> <td>O</td> <td></td> </tr> </table>			IMPS-CSP-SERV-C-001	Support of Service Access Point functionality	M		IMPS-CSP-SAP-C-023	Support for searching based on various private profile properties	O	O	IMPS-CSP-SAP-C-024	Support for searching based on various public profile properties	O		IMPS-CSP-SAP-C-031	Support for advanced search	O		IMPS-CSP-SRCH-C-002	The client supports including more than one Search-Pair-Lists in the 1st SearchRequest	O		IMPS-CSP-SERV-S-001	Support of Service Access Point functionality	M		IMPS-CSP-SAP-S-023	Support for searching based on various private profile properties	O		IMPS-CSP-SAP-S-024	Support for searching based on various public profile properties	O		IMPS-CSP-SAP-S-031	Support for advanced search	O	
IMPS-CSP-SERV-C-001	Support of Service Access Point functionality	M																																					
IMPS-CSP-SAP-C-023	Support for searching based on various private profile properties	O	O																																				
IMPS-CSP-SAP-C-024	Support for searching based on various public profile properties	O																																					
IMPS-CSP-SAP-C-031	Support for advanced search	O																																					
IMPS-CSP-SRCH-C-002	The client supports including more than one Search-Pair-Lists in the 1st SearchRequest	O																																					
IMPS-CSP-SERV-S-001	Support of Service Access Point functionality	M																																					
IMPS-CSP-SAP-S-023	Support for searching based on various private profile properties	O																																					
IMPS-CSP-SAP-S-024	Support for searching based on various public profile properties	O																																					
IMPS-CSP-SAP-S-031	Support for advanced search	O																																					
Tool	N/A																																						
Test code	N/A																																						

Preconditions	<p>Equipment:</p> <ul style="list-style-type: none"> <li>1 Client and 1 Server</li> </ul> <p>Prerequisites:</p> <ul style="list-style-type: none"> <li>SAP with at least 3 User accounts (A, B, C) provisioned on it.</li> <li>All mandatory fields in Public Profiles of Users A are filled in.</li> <li>All mandatory fields in Public Profile of User B and C are filled-in, and also some optional Public and Private ones, e.g.: <ul style="list-style-type: none"> <li>User B: <ul style="list-style-type: none"> <li>PP_COUNTRY='Italy'</li> <li>PP_GENDER='U'</li> <li>(Private Profile) First_Name='Mario'</li> </ul> </li> <li>User C: <ul style="list-style-type: none"> <li>PP_COUNTRY = 'France'</li> <li>PP_FRIENDLY_NAME = 'Mars75'</li> <li>PP_MARITAL_STATUS = 'S'</li> <li>(Private Profile) First_Name='Marianne'</li> </ul> </li> </ul> </li> <li>User A knows Advanced Search criteria that certainly match both Users B and C, e.g. the following: ((USER_COUNTRY= 'Italy') OR (USER_FRIENDLY_NAME= 'Mar' AND USER_MARITAL_STATUS= 'S') OR (USER_FIRST_NAME= 'Mar'))</li> <li>User A has neither User B nor User C in Contact List.</li> <li>Client A is logged in.</li> </ul>
Test Procedure	<ul style="list-style-type: none"> <li>Client A issues a Search request (SearchRequest primitive) towards Server, by specifying an Advanced search criteria that is known to match both User B and C, e.g.: ((USER_COUNTRY= 'Italy') OR (USER_FRIENDLY_NAME='Mar' AND USER_MARITAL_STATUS= 'S') OR (USER_FIRST_NAME= 'Mar')).</li> </ul>
Pass-Criteria	<ul style="list-style-type: none"> <li>Server accepts the Search request and processes it, by returning to Client A the UserID and Friendly Names of both User B and User C.</li> <li>On Client A, User A can see UserID's and Friendly Name's of both Users, B and C.</li> </ul>

### 5.1.17 Verify the Update of Public Profile (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-SAP-017</b>									
Test Purpose	Verify the Update of Public Profile									
Test Object	Client and Server device									
Test Case Description	Verify the successful update of a User's Public Profile.									
Specification Reference	[CSP]: 7.3									
SCR Reference	<p><b>Client SCR Items Tested</b></p> <table border="0"> <tr> <td data-bbox="479 1724 625 1787">IMPS-CSP-SERV-C-001</td> <td data-bbox="662 1724 1149 1755">Support of Service Access Point functionality</td> <td data-bbox="1409 1724 1430 1755">M</td> </tr> <tr> <td data-bbox="479 1808 625 1871">IMPS-CSP-SAP-C-019</td> <td data-bbox="662 1808 1045 1839">Support for retrieving public profile</td> <td data-bbox="1409 1808 1430 1839">O</td> </tr> <tr> <td data-bbox="479 1892 625 1923">IMPS-CSP-</td> <td data-bbox="662 1892 1166 1923">Support for clearing/updating the public profile</td> <td data-bbox="1409 1892 1430 1923">O</td> </tr> </table>	IMPS-CSP-SERV-C-001	Support of Service Access Point functionality	M	IMPS-CSP-SAP-C-019	Support for retrieving public profile	O	IMPS-CSP-	Support for clearing/updating the public profile	O
IMPS-CSP-SERV-C-001	Support of Service Access Point functionality	M								
IMPS-CSP-SAP-C-019	Support for retrieving public profile	O								
IMPS-CSP-	Support for clearing/updating the public profile	O								

	<p>SAP-C-020</p> <p><b>Server SCR Items Tested</b></p> <table> <tr> <td>IMPS-CSP-SERV-S-001</td> <td>Support of Service Access Point functionality</td> <td>M</td> </tr> <tr> <td>IMPS-CSP-SAP-S-019</td> <td>Support for retrieving public profile</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-SAP-S-020</td> <td>Support for clearing/updating the public profile</td> <td>O</td> </tr> </table>	IMPS-CSP-SERV-S-001	Support of Service Access Point functionality	M	IMPS-CSP-SAP-S-019	Support for retrieving public profile	O	IMPS-CSP-SAP-S-020	Support for clearing/updating the public profile	O
IMPS-CSP-SERV-S-001	Support of Service Access Point functionality	M								
IMPS-CSP-SAP-S-019	Support for retrieving public profile	O								
IMPS-CSP-SAP-S-020	Support for clearing/updating the public profile	O								
Tool	-									
Test code	-									
Preconditions	<p>Equipment:</p> <p>1 client and 1 server</p> <p>Functioning SAP with at least 1 user account existing on it</p> <p>Prerequisites:</p> <p>User A logged in</p> <p>User A is updating his Public Profile for the first time</p>									
Test Procedure	<p>In Client A</p> <ol style="list-style-type: none"> <li>Client A, retrieves the “Public Profile”of UserA.</li> <li>Client A enters information in the conditional fields (<b>Friendly name</b>, <b>Age</b>, Gender, Intention, City and <b>Country</b>) of UserA (Friendly name, Age and Country must be entered)</li> <li>Client A sends the updated profile to the server of UserA.</li> </ol>									
Pass-Criteria	Verify that the Public Profile of UserA is updated accordingly to step 2									

### 5.1.18 Verify a partially unsuccessful request of retrieving the Public Profile of other users (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-SAP-018</b>
Test Purpose	Verify a partially unsuccessful request of retrieving the Public Profile of other users, when some (but not all) of the requested Users have some unfilled mandatory fields in their Public Profile.
Test Object	Client and Server
Test Case Description	Verify that Server does not return the Public Profile of those requested Users, who did not fill-in all of the mandatory fields in their Public Profile.
Specification Reference	[CSP]: 5.1, 6.1, 7.(3)

SCR Reference	<b>Client SCR items tested:</b>		
	IMPS-CSP-SERV-C-001	Support of Service Access Point functionality	M
	IMPS-CSP-SAP-C-019	Support for retrieving public profile	O
	<b>Server SCR items tested:</b>		
	IMPS-CSP-SERV-S-001	Support of Service Access Point functionality	M
	IMPS-CSP-SAP-S-019	Support for retrieving public profile	O
Tool	N/A		
Test code	N/A		
Preconditions	<p>Equipment:</p> <ul style="list-style-type: none"> <li>1 Client and 1 Server</li> </ul> <p>Prerequisites:</p> <ul style="list-style-type: none"> <li>SAP with at least 3 User accounts (A, B, C) provisioned on it.</li> <li>All mandatory fields in Public Profile of User A and User B are filled in.</li> <li>Some mandatory fields in Public Profile of User C are not filled in, e.g. 'Friendly Name'.</li> <li>User A knows the User-ID of User B and User C.</li> <li>Client A is logged in.</li> </ul>		
Test Procedure	<ul style="list-style-type: none"> <li>Client A issues a request to retrieve the Public Profiles of Users B and C (GetPublicProfileRequest primitive).</li> </ul>		
Pass-Criteria	<ul style="list-style-type: none"> <li>The request results in a partial success (GetPublicProfileResponse primitive with Public Profile of User B returned and suitable error codes associated to User C's User-ID).</li> <li>User A on Client A can browse the profile of User B, whereas the Public Profile of User C is not accessible.</li> </ul>		

### 5.1.19 Verify unsuccessful User request of Updating his/her own Public Profile (Includes Optional Features)

Test Case Id	IMPS-1.3-int-SAP-019
Test Purpose	Verify unsuccessful User request of Updating his/her own Public Profile because of missing mandatory field(s) in own Public Profile.
Test Object	Client and Server
Test Case Description	Verify that a User request to Update his/her own Public Profile results in a failure, if there are unfilled mandatory field in his/her Public Profile and if values for these unfilled fields are not provided in the Update request.
Specification Reference	[CSP]: 5.1, 6.1, 7(.3)

SCR Reference	<b>Client SCR items tested:</b>		
	IMPS-CSP-SERV-C-001	Support of Service Access Point functionality	M
	IMPS-CSP-SAP-C-020	Support for clearing/updating the public profile	O
	<b>Server SCR items tested:</b>		
	IMPS-CSP-SERV-S-001	Support of Service Access Point functionality	M
	IMPS-CSP-SAP-S-020	Support for clearing/updating the public profile	O
Tool	N/A		
Test code	N/A		
Preconditions	<p>Equipment:</p> <ul style="list-style-type: none"> <li>1 Client and 1 Server</li> </ul> <p>Prerequisites:</p> <ul style="list-style-type: none"> <li>SAP with at least 1 User account provisioned on it.</li> <li>Some mandatory fields in Public Profile of User A are not filled in, e.g. 'Country' and 'Friendly Name'.</li> <li>User A knows User A's User-ID.</li> <li>Client A is logged in.</li> </ul>		
Test Procedure	<ul style="list-style-type: none"> <li>Client A issues a request to retrieve his/her own Public Profile (GetPublicProfileRequest primitive).</li> <li>Server successfully returns User A's Public Profile, even if there are mandatory fields unfilled, e.g. 'Country' and 'Friendly Name' as said above (GetPublicProfileResponse primitive)</li> <li>Client A issues a request to Update his/her own Public Profile, but does not provide explicit values for at least the mandatory fields that are currently unfilled in his/her Public Profile, e.g. 'Country' and 'Friendly Name' as said above. (UpdatePublicProfileRequest primitive).</li> </ul>		
Pass-Criteria	<ul style="list-style-type: none"> <li>Server makes the Update request to fail (Status primitive, with suitable error code).</li> <li>Client notifies the requesting User that the transaction was unsuccessful and that first he/she has to provide values for those mandatory fields of his/her Public Profile that are not filled in yet.</li> </ul>		

### 5.1.20 Verify successful Clearing of own Public Profile (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-SAP-020</b>
Test Purpose	Verify successful Clearing of own Public Profile.
Test Object	Client and Server
Test Case Description	Verify that a User request to Clear his/her own Public Profile results in setting all the Public Profile fields to their default values, with the only exception of the Friendly Name field, which must maintain its current value.
Specification Reference	[CSP]: 5.1, 6.1, 7(.3)

SCR Reference	<b>Client SCR items tested:</b>		
	IMPS-CSP-SERV-C-001	Support of Service Access Point functionality	M
	IMPS-CSP-SAP-C-020	Support for clearing/updating the public profile	O
	<b>Server SCR items tested:</b>		
	IMPS-CSP-SERV-S-001	Support of Service Access Point functionality	M
	IMPS-CSP-SAP-S-020	Support for clearing/updating the public profile	O
Tool	N/A		
Test code	N/A		
Preconditions	<p>Equipment:</p> <ul style="list-style-type: none"> <li>1 Client and 1 Server</li> </ul> <p>Prerequisites:</p> <ul style="list-style-type: none"> <li>SAP with at least 1 User account provisioned on it.</li> <li>All mandatory fields in Public Profile of User A are filled in (including Friendly Name field).</li> <li>User A knows User A's User-ID.</li> <li>Client A is logged in.</li> </ul>		
Test Procedure	<ul style="list-style-type: none"> <li>Client A issues a request to Clear his/her own Public Profile (UpdatePublicProfileRequest primitive, with flag Clear-Public-Profile = 'T').</li> <li>Server returns successful result (Status primitive)</li> <li>Client A issues a request to retrieve his/her own Public Profile (GetPublicProfileRequest primitive).</li> <li>Server returns successful result (GetPublicProfileResponse primitive)</li> </ul>		
Pass-Criteria	<ul style="list-style-type: none"> <li>User A can see that his/her own Public Profile is now cleared, with all fields set at their default values, except Friendly Name that maintains its previous value.</li> </ul>		

### 5.1.21 Verify the successful continuation of Search (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-SAP-021</b>
Test Purpose	Successful continuation of Search
Test Object	Client and Server
Test Case Description	Verify the successful continuation of a Public Profile Search.
Specification Reference	[CSP]: 5.1, 6.1, 7.4.1

SCR Reference	<p><b>Client SCR items tested:</b></p> <table border="1" data-bbox="472 197 1393 268"> <tr> <td data-bbox="472 197 781 268">IMPS-CSP-SAP-C-024</td> <td data-bbox="781 197 1313 268">Support for searching based on various public profile properties</td> <td data-bbox="1313 197 1393 268">O</td> </tr> </table> <p><b>Server SCR items tested:</b></p> <table border="1" data-bbox="472 352 1393 424"> <tr> <td data-bbox="472 352 781 424">IMPS-CSP-SAP-S-024</td> <td data-bbox="781 352 1313 424">Support for searching based on various public profile properties</td> <td data-bbox="1313 352 1393 424">O</td> </tr> </table>	IMPS-CSP-SAP-C-024	Support for searching based on various public profile properties	O	IMPS-CSP-SAP-S-024	Support for searching based on various public profile properties	O
IMPS-CSP-SAP-C-024	Support for searching based on various public profile properties	O					
IMPS-CSP-SAP-S-024	Support for searching based on various public profile properties	O					
Tool	N/A						
Test code	N/A						
Preconditions	<p>Equipment:</p> <ul style="list-style-type: none"> <li>• 1 Client and 1 Server</li> </ul> <p>Prerequisites:</p> <ul style="list-style-type: none"> <li>• SAP with (N+2) User accounts (A, B1, B2, ... B(N+1)) provisioned on it, where N= max number of results returned by Server in each SearchResponse primitive.             <ul style="list-style-type: none"> <li>○ User B's accounts are unique for this Test Case.</li> </ul> </li> <li>• Client A is able to set the value (N) of max number of search results returned at a time, or at least that value (N) is known.</li> <li>• All mandatory fields in Public Profile of User A are filled in.</li> <li>• All mandatory fields in Public Profiles of Users B1 to B(N+1) are filled-in, and for all of them it applies e.g.:             <ul style="list-style-type: none"> <li>○ PP_COUNTRY='Italy'</li> </ul> </li> <li>• User A knows a Search criteria that certainly matches all Users from B1 to B(N+1), e.g. (USER_COUNTRY= 'Italy')</li> <li>• Client supports manual mode of Search continuation.</li> <li>• Client A is logged in.</li> </ul>						
Test Procedure	<ol style="list-style-type: none"> <li>1. Client A issues a Search request (SearchRequest primitive) towards Server containing as input:             <ol style="list-style-type: none"> <li>a. A Search criteria that is known to match all Users from B1 to B(N+1), e.g. the following Search-Pair (USER_COUNTRY= 'Italy')</li> <li>b. Search-Limit=N (max number of Search results returned by Server within a SearchResponse primitive).</li> </ol> </li> <li>2. Client A issues a second Search request that is a continuation of the previous one (i.e. SearchRequest primitive including Search-ID and Search-Index returned from previous Search transaction, but no Search-Criteria).</li> </ol>						
Pass-Criteria	<ul style="list-style-type: none"> <li>○ After step #1:             <ul style="list-style-type: none"> <li>○ Server successfully returns the first N Search results (SearchResponse primitive that includes also a Search-ID and a Search-Index).</li> <li>○ Client A can see UserID(s) and Friendly Name(s) of the first N Users returned by Server as Search results (NOTE: the exact order is not specified).</li> </ul> </li> <li>○ After step #2:             <ul style="list-style-type: none"> <li>○ Server successfully returns also the last result (i.e. the (N+1)<sup>th</sup> User B)</li> <li>○ Client A can see also UserID and Friendly Name of the remaining User.</li> </ul> </li> </ul>						

## 5.1.22 Verify the successful stopping of Search (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-SAP-022</b>											
Test Purpose	Successful stopping of Search											
Test Object	Client and Server											
Test Case Description	Verify the successful stopping of a Public Profile Search.											
Specification Reference	[CSP]: 5.1, 6.1, 7.4											
SCR Reference	<p><b>Client SCR items tested:</b></p> <table border="1"> <tr> <td>IMPS-CSP-SAP-C-024</td> <td>Support for searching based on various public profile properties</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-SRCH-C-001</td> <td>The client sends StopSearchRequest primitive to the server when the search is needed no more.</td> <td>O</td> </tr> </table> <p><b>Server SCR items tested:</b></p> <table border="1"> <tr> <td>IMPS-CSP-SAP-S-024</td> <td>Support for searching based on various public profile properties</td> <td>O</td> </tr> </table>			IMPS-CSP-SAP-C-024	Support for searching based on various public profile properties	O	IMPS-CSP-SRCH-C-001	The client sends StopSearchRequest primitive to the server when the search is needed no more.	O	IMPS-CSP-SAP-S-024	Support for searching based on various public profile properties	O
IMPS-CSP-SAP-C-024	Support for searching based on various public profile properties	O										
IMPS-CSP-SRCH-C-001	The client sends StopSearchRequest primitive to the server when the search is needed no more.	O										
IMPS-CSP-SAP-S-024	Support for searching based on various public profile properties	O										
Tool	N/A											
Test code	N/A											
Preconditions	<p>Equipment:</p> <ul style="list-style-type: none"> <li>1 Client and 1 Server</li> </ul> <p>Prerequisites:</p> <ul style="list-style-type: none"> <li>SAP with several (i.e. a sufficiently high number of) User accounts (A, B1, B2, B3, ...) provisioned on it. <ul style="list-style-type: none"> <li>The SAP has enough accounts for user A to be able to stop the Search before it ends.</li> <li>User accounts B1, B2... are unique for this Test Case.</li> </ul> </li> <li>All mandatory fields in Public Profile of User A are filled in.</li> <li>All mandatory fields in Public Profiles of Users B1, B2, B3, ...are filled-in and for all of them it applies, e.g.: <ul style="list-style-type: none"> <li>PP_COUNTRY='Italy'</li> </ul> </li> <li>Client A is logged in.</li> </ul>											
Test Procedure	<ul style="list-style-type: none"> <li>Client A issues a Search request (SearchRequest primitive) containing as input: <ul style="list-style-type: none"> <li>Search criteria that is known to match all the provisioned Users B1, B2, B3,..., e.g. (USER_COUNTRY= 'Italy')</li> </ul> </li> <li>While the Search is still ongoing on the Server side and Server is still returning results, Client A issues a request to stop the Search (StopSearchRequest primitive).</li> </ul>											
Pass-Criteria	<ul style="list-style-type: none"> <li>Server successfully stops the Search (Status primitive).</li> <li>Client A is not able to see all the provisioned users that match the Search criteria (in spite of the fact that the selected Search Criteria is known a priori to match all the provisioned Users).</li> </ul>											

### 5.1.23 Verify the successful Public Group Search with Age Restriction (Includes Optional Features)

Test Case Id	IMPS-1.3-int-SAP-023			
Test Purpose	Successful Public Group Search with Age Restriction			
Test Object	Client and Server			
Test Case Description	Verify a successful Search for public Groups with Age Restriction policy in place.			
Specification Reference	[CSP]: 5.1, 6.1, 7.4, 10.1			
SCR Reference	<b>Client SCR items tested:</b>			
	IMPS-CSP-SAP-C-025	Support for searching based on various group properties	O	O
	<b>Server SCR items tested:</b>			
	IMPS-CSP-SAP-S-025	Support for searching based on various group properties	O	
Tool	N/A			
Test code	N/A			

Preconditions	<p>Equipment:</p> <ul style="list-style-type: none"> <li>• 1 Client and 1 Server</li> </ul> <p>Prerequisites:</p> <ul style="list-style-type: none"> <li>• SAP with at least one User account (A) and at least five public Groups (B, C, D, E, F) accounts provisioned on it. <ul style="list-style-type: none"> <li>○ NOTE: public Group is a Group created and owned by a Service Provider.</li> </ul> </li> <li>• All mandatory fields in Public Profiles of User A are filled-in, and in particular PP_AGE='14'.</li> <li>• User A is NOT a member of Group C.</li> <li>• Properties of the pre-provisioned Groups B, C, D, E, F include the following: <ul style="list-style-type: none"> <li>○ Group B: <ul style="list-style-type: none"> <li>▪ Name='rugby supporters'</li> <li>▪ AccessType='open'</li> <li>▪ Searchable='T'</li> <li>▪ MinimumAge='0' (NOTE: zero means no age restriction)</li> </ul> </li> <li>○ Group C: <ul style="list-style-type: none"> <li>▪ Name='rugby amateurs'</li> <li>▪ AccessType='restricted'</li> <li>▪ Searchable='T'</li> <li>▪ MinimumAge='14'</li> </ul> </li> <li>○ Group D: <ul style="list-style-type: none"> <li>▪ Name='rugby professionals'</li> <li>▪ AccessType='restricted'</li> <li>▪ Searchable='T'</li> <li>▪ MinimumAge='18'</li> </ul> </li> <li>○ Group E: <ul style="list-style-type: none"> <li>▪ Name='rugby all stars'</li> <li>▪ AccessType='restricted'</li> <li>▪ Searchable='F'</li> <li>▪ MinimumAge='18'</li> </ul> </li> <li>○ Group F: <ul style="list-style-type: none"> <li>▪ Name='rugby internationals'</li> <li>▪ AccessType='open'</li> <li>▪ Searchable='T'</li> <li>▪ MinimumAge='18'</li> </ul> </li> </ul> <p>NOTE: group property Type='public' for all the above Groups. Moreover, it is also assumed that AutoDelete='F' for all the above groups.</p> <ul style="list-style-type: none"> <li>• Client A is logged in.</li> </ul> </li></ul>
Test Procedure	<ul style="list-style-type: none"> <li>• Client A issues a Search request (SearchRequest primitive) towards Server with the following search criteria: (GROUP_NAME='rugby').</li> <li>• Server returns as successful Search result (SearchResponse primitive) the Group-ID's of Group B and C.</li> </ul>

Pass-Criteria	<ul style="list-style-type: none"> <li>• On Client A, User A can see as (Group) Search results the Group-ID of Groups B, but NOT those of Groups :             <ul style="list-style-type: none"> <li>• C (User A is not a member of restricted Group C);</li> <li>• D (age restriction)</li> <li>• E (non searchable)</li> <li>• F (age restriction).</li> </ul> </li> </ul>
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### 5.1.24 Verify System Message functionality (answer options, no verification mechanism) (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-SAP-024</b>
Test Purpose	Verify System Message functionality (answer options, no verification mechanism)
Test Object	Client and Server devices
Test Case Description	<p>The server sends a System Message to the client. The System Message provides answer options, and does not require any verification mechanism.</p> <p>The client MUST prompt the SystemMessageText, the list of answer options and gives to the user the ability to select an answer option.</p>
Specification Reference	[CSP]: 5, 6.1, 7, 7.1
SCR Reference	<p><b>Client SCR Items Tested</b></p> <p>IMPS-CSP- SAP-C-017 Support for System Message transactions O</p> <p><b>Server SCR Items Tested</b></p> <p>IMPS-CSP- SAP-S-017 Support for System Message transactions O</p>
Tool	-
Test code	-
Preconditions	<p>Equipment:</p> <ul style="list-style-type: none"> <li>- 1 client and 1 server</li> </ul> <p>Prerequisites:</p> <ul style="list-style-type: none"> <li>- Functioning SAP with at least one account</li> <li>- Client A is logged in as User A</li> <li>- Server is able to send a System Message with answer options and without any verification mechanism</li> </ul>
Test Procedure	<ul style="list-style-type: none"> <li>• Server sends a System Message-Request to Client A. This SystemMessage-Request contains a System Message with:             <ul style="list-style-type: none"> <li>- a SystemMessageText</li> <li>- a list of answer options</li> <li>- no verification mechanism</li> </ul> </li> </ul>
Pass-Criteria	<ul style="list-style-type: none"> <li>• Client A prompts the user with the SystemMessageText and the list of answer options</li> </ul>

	Client A gives the user the ability to select an answer option.
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### 5.1.25 Verify System Message functionality (No answer options, InText verification mechanism) (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-SAP-025</b>
Test Purpose	Verify System Message functionality (No answer options, InText verification mechanism)
Test Object	Client and Server devices
Test Case Description	The server sends a System Message to the client which requires an InText verification mechanism. The client first prompts the SystemMessageText.  The client displays the InText, and gives to the user the ability to reply by entering a text.
Specification Reference	[CSP]: 5, 6.1, 7, 7.1
SCR Reference	<b>Client SCR Items Tested</b>  IMPS-CSP-      Support for System Message transactions      O SAP-C-017  <b>Server SCR Items Tested</b>  IMPS-CSP-      Support for System Message transactions      O SAP-S-017
Tool	-
Test code	-
Preconditions	Equipment: - 1 client and 1 server  Prerequisites: - Functioning SAP with at least one account - Client A is logged in as User A - Server is able to send a System Message with an InText verification mechanism
Test Procedure	<ul style="list-style-type: none"> <li>Server sends a System Message-Request to Client A. This SystemMessage-Request contains a System Message with: <ul style="list-style-type: none"> <li>a SystemMessageText (e.g. "Hello Testers!")</li> <li>an InText verification mechanism (e.g. "Please enter your PIN code...")</li> </ul> </li> </ul>
Pass-Criteria	<ul style="list-style-type: none"> <li>Client A prompts the user with the SystemMessageText.</li> <li>Client A displays the InText and gives the user the ability to reply by entering a text.</li> </ul>

## 5.1.26 Session Re-establishment (Includes Optional Features)

Test Case Id	IMPS-1.3-int-SAP-026
Test Purpose	Verify that the server and client support Session re-establishment
Test Object	Client and Server device
Test Case Description	Upon Client request, a previously interrupted session is successfully re-established by Server and the previous session context is restored.
Specification Reference	[CSP]: 5.1
SCR Reference	<p>Client SCR Items Tested</p> <p>IMPS-CSP-      Support for session reestablishment      O SAP-C-001</p> <p>Server SCR Items Tested</p> <p>IMPS-CSP-      Support for session reestablishment      O SAP-S-001</p> <p>IMPS-CSP-      Support for Server originated disconnect      O SAP-S-010</p>
Tool	-
Test code	-
Preconditions	<p>Equipment:</p> <p>1 client / 1 server</p> <p>Functioning SAP with 1 user account existing on it</p> <p>Prerequisites:</p> <p>Server supports Session re-establishment.</p>
Test Procedure	<p>Client logs in and a session context is associated with the session.</p> <p>Server initiates the forced disconnect procedure for the logged in client.</p> <p>Client requests a re-establishment of the session by logging in with the normal credentials and the Session-ID of the session to restore.</p>
Pass-Criteria	<p>Session is re-established successfully.</p> <p>Note: "If it is not possible to distinguish whether the Client issues a session re-establishment primitive instead of a normal login primitive, then the outcome of the present TC is INCONCLUSIVE".</p>

### 5.1.27 Verify the Auto Registration when the user chooses his/her UserID (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-SAP-027</b>																		
Test Purpose	Verify the Auto Registration when the user chooses his/her UserID																		
Test Object	Client and Server device																		
Test Case Description	<p>Verify that a user registration is automatically performed the very first time when a Client tries to login to the Server. This Test Case applies to servers which require from the user to choose his/her UserID.</p> <p><u>Note</u>: MSISDN Authentication is not required for this test</p>																		
Specification Reference	[CSP]: 6.4, 6.5, 7, 7.1																		
SCR Reference	<p><b>Client SCR Items Tested</b></p> <table> <tr> <td>IMPS-CSP-SERV-C-001</td> <td>Support of Service Access Point functionality</td> <td>M</td> </tr> <tr> <td>IMPS-CSP-SAP-C-008</td> <td>Support for Auto-Registration</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-SAP-C-017</td> <td>Support for System Message transactions</td> <td>O</td> </tr> </table> <p><b>Server SCR Items Tested</b></p> <table> <tr> <td>IMPS-CSP-SERV-S-001</td> <td>Support of Service Access Point functionality</td> <td>M</td> </tr> <tr> <td>IMPS-CSP-SAP-S-008</td> <td>Support for Auto-Registration</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-SAP-C-017</td> <td>Support for System Message transactions</td> <td>O</td> </tr> </table>	IMPS-CSP-SERV-C-001	Support of Service Access Point functionality	M	IMPS-CSP-SAP-C-008	Support for Auto-Registration	O	IMPS-CSP-SAP-C-017	Support for System Message transactions	O	IMPS-CSP-SERV-S-001	Support of Service Access Point functionality	M	IMPS-CSP-SAP-S-008	Support for Auto-Registration	O	IMPS-CSP-SAP-C-017	Support for System Message transactions	O
IMPS-CSP-SERV-C-001	Support of Service Access Point functionality	M																	
IMPS-CSP-SAP-C-008	Support for Auto-Registration	O																	
IMPS-CSP-SAP-C-017	Support for System Message transactions	O																	
IMPS-CSP-SERV-S-001	Support of Service Access Point functionality	M																	
IMPS-CSP-SAP-S-008	Support for Auto-Registration	O																	
IMPS-CSP-SAP-C-017	Support for System Message transactions	O																	
Tool	-																		
Test code	-																		
Preconditions	<p><b>Equipment:</b></p> <ul style="list-style-type: none"> <li>- 1 client and 1 server</li> </ul> <p><b>Prerequisites:</b></p> <ul style="list-style-type: none"> <li>- Functioning SAP</li> <li>- User A is not previously registered.</li> <li>- Server A requires from the user to choose his/her UserID during Auto-Registration</li> <li>- Client A is pre-configured with a UserID (and optionally a password) dedicated to Auto-Registration only. For testing purpose, this UserID and optionally this password are agreed before the test is performed, between the Client and Server Vendors. Example: "RegisterMe" and "ChangeMe", respectively</li> </ul>																		
Test Procedure	<ul style="list-style-type: none"> <li>- Client A (User A) makes a login request to the Server with the UserID (and optionally the password) that was configured on the client for the Auto-Registration.</li> </ul>																		

	<ul style="list-style-type: none"><li>- The Server sends a System Message to client A, inviting the user to choose his/her own UserID and optionally his/her password.</li><li>- UserA chooses a UserID and a optionnaly a password. The User may be invited to choose a different UserID and/or password via System Message transactions (for example if the UserID Already exists...)</li><li>- The servers returns UserID to client A (may send password as well).</li><li>- The Server logs the new user into the IMPS service.</li><li>- User ID is updated in the mobile device.</li></ul>
Pass-Criteria	Verify that User A is logged in at the server.

## 5.2 IMPS-1.3-int-PRSE

### 5.2.1 Verify that Server supports Subscribe Presence functionality and Client supports presence notifications (Includes Optional Features)

Test Case Id	IMPS-1.3-int-PRSE-001																		
Test Purpose	Verify that the server supports Subscribe Presence functionality and client supports presence notifications																		
Test Object	Client and Server device																		
Test Case Description	-																		
Specification Reference	[CSP]																		
SCR Reference	<p><b>Client SCR Items Tested</b></p> <table> <tr> <td>IMPS-CSP-SERV-C-003</td> <td>Support of Presence Service Element functionality</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-C-008</td> <td>Support for subscribe presence transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-C-012</td> <td>Support for presence notification transaction</td> <td>O</td> </tr> </table> <p><b>Server SCR Items Tested</b></p> <table> <tr> <td>IMPS-CSP-SERV-S-003</td> <td>Support of Presence Service Element functionality</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-S-008</td> <td>Support for subscribe presence transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-S-012</td> <td>Support for presence notification transaction</td> <td>O</td> </tr> </table>	IMPS-CSP-SERV-C-003	Support of Presence Service Element functionality	O	IMPS-CSP-PRSE-C-008	Support for subscribe presence transaction	O	IMPS-CSP-PRSE-C-012	Support for presence notification transaction	O	IMPS-CSP-SERV-S-003	Support of Presence Service Element functionality	O	IMPS-CSP-PRSE-S-008	Support for subscribe presence transaction	O	IMPS-CSP-PRSE-S-012	Support for presence notification transaction	O
IMPS-CSP-SERV-C-003	Support of Presence Service Element functionality	O																	
IMPS-CSP-PRSE-C-008	Support for subscribe presence transaction	O																	
IMPS-CSP-PRSE-C-012	Support for presence notification transaction	O																	
IMPS-CSP-SERV-S-003	Support of Presence Service Element functionality	O																	
IMPS-CSP-PRSE-S-008	Support for subscribe presence transaction	O																	
IMPS-CSP-PRSE-S-012	Support for presence notification transaction	O																	
Tool	-																		
Test code	-																		
Preconditions	<p><b>Equipment:</b></p> <p>2 clients (A, B) / 1 server</p> <p>Both clients are logged in</p> <p>Functioning SAP with the 2 user accounts existing on it</p> <p><b>Prerequisites:</b></p> <p>Client A is authorized to access Client B's OnlineStatus presence attribute.</p>																		
Test Procedure	<p>Client A initiates the subscription request for presence (should include OnlineStatus presence attribute) of either User B or a contact list including user B.</p> <p>Client B remains logged in during the whole time.</p>																		

	Client B does not change any of its presence attributes.
Pass-Criteria	Client A receives a presence notification (value of OnlineStatus attribute is True) and displays it. Client A should not have to re-subscribe after each notification

## 5.2.2 Verify that when Client unsubscribes presence, the Server stops delivering presence updates (Includes Optional Features)

Test Case Id	IMPS-1.3-int-PRSE-002																		
Test Purpose	Verify that when client unsubscribes presence, the server stops delivering presence updates																		
Test Object	Client and Server device																		
Test Case Description	-																		
Specification Reference	[CSP]																		
SCR Reference	<p><b>Client SCR Items Tested</b></p> <table> <tr> <td>IMPS-CSP-SERV-C-003</td> <td>Support of Presence Service Element functionality</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-C-010</td> <td>Support for unsubscribe presence transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-C-014</td> <td>Support for update presence transaction</td> <td>O</td> </tr> </table> <p><b>Server SCR Items Tested</b></p> <table> <tr> <td>IMPS-CSP-SERV-S-003</td> <td>Support of Presence Service Element functionality</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-S-010</td> <td>Support for unsubscribe presence transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-S-014</td> <td>Support for update presence transaction</td> <td>O</td> </tr> </table>	IMPS-CSP-SERV-C-003	Support of Presence Service Element functionality	O	IMPS-CSP-PRSE-C-010	Support for unsubscribe presence transaction	O	IMPS-CSP-PRSE-C-014	Support for update presence transaction	O	IMPS-CSP-SERV-S-003	Support of Presence Service Element functionality	O	IMPS-CSP-PRSE-S-010	Support for unsubscribe presence transaction	O	IMPS-CSP-PRSE-S-014	Support for update presence transaction	O
IMPS-CSP-SERV-C-003	Support of Presence Service Element functionality	O																	
IMPS-CSP-PRSE-C-010	Support for unsubscribe presence transaction	O																	
IMPS-CSP-PRSE-C-014	Support for update presence transaction	O																	
IMPS-CSP-SERV-S-003	Support of Presence Service Element functionality	O																	
IMPS-CSP-PRSE-S-010	Support for unsubscribe presence transaction	O																	
IMPS-CSP-PRSE-S-014	Support for update presence transaction	O																	
Tool	-																		
Test code	-																		
Preconditions	<p><b>Equipment:</b></p> <p>2 clients (A, B) / 1 server</p> <p>Functioning SAP with the 2 user accounts existing on it</p> <p><b>Prerequisites:</b></p> <p>Both clients are logged in</p> <p>Client A is subscribed for the presence of Client B</p> <p>Client A is authorized to access Client B's presence attributes.</p>																		
Test Procedure	Client A unsubscribes the OnlineStatus presence attributes of Client B Client B logs out																		

Pass-Criteria	Client A does not receive any presence updates
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### 5.2.3 Verify that Server sends OnlineStatus update to subscriber when publisher logs in and logs out (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-PRSE-003</b>																		
Test Purpose	Verify that the server sends presence update containing OnlineStatus presence attribute to subscriber when publisher logs in and logs out.																		
Test Object	Client and Server device																		
Test Case Description	-																		
Specification Reference	[CSP] [PA] 8.2.1																		
SCR Reference	<p><b>Client SCR Items Tested</b></p> <table border="0"> <tr> <td>IMPS-PA-C-001</td> <td>Support for OnlineStatus presence attribute</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-C-008</td> <td>Support for subscribe presence transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-C-012</td> <td>Support for presence notification transaction</td> <td>O</td> </tr> </table> <p><b>Server SCR Items Tested</b></p> <table border="0"> <tr> <td>IMPS-PA-S-001</td> <td>Support for OnlineStatus presence attribute</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-S-008</td> <td>Support for subscribe presence transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-S-012</td> <td>Support for presence notification transaction</td> <td>O</td> </tr> </table>	IMPS-PA-C-001	Support for OnlineStatus presence attribute	O	IMPS-CSP-PRSE-C-008	Support for subscribe presence transaction	O	IMPS-CSP-PRSE-C-012	Support for presence notification transaction	O	IMPS-PA-S-001	Support for OnlineStatus presence attribute	O	IMPS-CSP-PRSE-S-008	Support for subscribe presence transaction	O	IMPS-CSP-PRSE-S-012	Support for presence notification transaction	O
IMPS-PA-C-001	Support for OnlineStatus presence attribute	O																	
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IMPS-CSP-PRSE-C-012	Support for presence notification transaction	O																	
IMPS-PA-S-001	Support for OnlineStatus presence attribute	O																	
IMPS-CSP-PRSE-S-008	Support for subscribe presence transaction	O																	
IMPS-CSP-PRSE-S-012	Support for presence notification transaction	O																	
Tool	-																		
Test code	-																		
Preconditions	<p><b>Equipment:</b> 2 clients (A, B) / 1 server Functioning SAP with the 2 user accounts existing on it</p> <p><b>Prerequisites:</b> Both clients are logged in Client A is subscribed for the presence (including OnlineStatus attribute) of Client B Client A is authorized to access Client B's presence attribute.</p>																		
Test Procedure	Client B logs out Client B logs in																		

Pass-Criteria	<p>Client A receives a presence update for Client B (OnlineStatus is False) and changes UI to indicate that Client B is off-line.</p> <p>Client A receives a presence update for Client B (OnlineStatus is True) and changes UI to indicate that Client B is on-line.</p>
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### 5.2.4 Verify the interoperability of StatusMood presence attribute (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-PRSE-004</b>																								
Test Purpose	Verifying the interoperability of StatusMood presence attribute																								
Test Object	Client and Server device																								
Test Case Description	Verify that the server sends presence updates, containing StatusMood presence attribute, to the subscribing client when the publishing client updates its StatusMood presence attribute.																								
Specification Reference	[PA]: 8.3.5																								
SCR Reference	<p><b>Client SCR Items Tested</b></p> <table border="0"> <tr> <td>IMPS-CSP-PRSE-C-008</td> <td>Support for subscribe presence transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-C-012</td> <td>Support for presence notification transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-C-014</td> <td>Support for update presence transaction</td> <td>O</td> </tr> <tr> <td>IMPS-PA-C-003</td> <td>Support for StatusMood presence attribute</td> <td>O</td> </tr> </table> <p><b>Server SCR Items Tested</b></p> <table border="0"> <tr> <td>IMPS-CSP-PRSE-S-008</td> <td>Support for subscribe presence transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-S-012</td> <td>Support for presence notification transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-S-014</td> <td>Support for update presence transaction</td> <td>O</td> </tr> <tr> <td>IMPS-PA-S-51</td> <td>Support for StatusMood presence attribute</td> <td>O</td> </tr> </table>	IMPS-CSP-PRSE-C-008	Support for subscribe presence transaction	O	IMPS-CSP-PRSE-C-012	Support for presence notification transaction	O	IMPS-CSP-PRSE-C-014	Support for update presence transaction	O	IMPS-PA-C-003	Support for StatusMood presence attribute	O	IMPS-CSP-PRSE-S-008	Support for subscribe presence transaction	O	IMPS-CSP-PRSE-S-012	Support for presence notification transaction	O	IMPS-CSP-PRSE-S-014	Support for update presence transaction	O	IMPS-PA-S-51	Support for StatusMood presence attribute	O
IMPS-CSP-PRSE-C-008	Support for subscribe presence transaction	O																							
IMPS-CSP-PRSE-C-012	Support for presence notification transaction	O																							
IMPS-CSP-PRSE-C-014	Support for update presence transaction	O																							
IMPS-PA-C-003	Support for StatusMood presence attribute	O																							
IMPS-CSP-PRSE-S-008	Support for subscribe presence transaction	O																							
IMPS-CSP-PRSE-S-012	Support for presence notification transaction	O																							
IMPS-CSP-PRSE-S-014	Support for update presence transaction	O																							
IMPS-PA-S-51	Support for StatusMood presence attribute	O																							
Tool	-																								
Test code	-																								
Preconditions	<p>Equipment:</p> <p>2 clients (A, B) / 1 server</p> <p>Prerequisites:</p> <ul style="list-style-type: none"> <li>Functioning SAP with 2 User accounts (A, B) existing on it</li> </ul>																								

	<ul style="list-style-type: none"> <li>Both Clients are logged in</li> <li>Client B and Server support Update Presence functionality</li> <li>Both Clients support StatusMood presence attribute</li> <li>User A is authorized to access User B's StatusMood presence attribute.</li> <li>User A is not subscribed to User B's StatusMood presence attribute.</li> <li>Client B allows (User B) to manually change the value of (User B's) StatusMood presence attribute. For testing purposes it can be assumed that, for example, the initial value of StatusMood is equal to 'SAD' (NOTE: standardised data type of StatusMood is Enumerated String).</li> </ul>
Test Procedure	#1: User B manually changes its StatusMood presence attribute from the current value (e.g. 'SAD') to a new one (e.g. 'HAPPY').
Pass-Criteria	After step #1, Client A receives a presence update containing also StatusMood, and displays the new value of the StatusMood presence attribute (e.g. 'HAPPY').

### 5.2.5 Verify the interoperability of ClientInfo presence attribute (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-PRSE-005</b>																										
Test Purpose	Verifying the interoperability of StatusMood presence attribute																										
Test Object	Client and Server device																										
Test Case Description	Verify that the server sends presence updates, containing StatusMood presence attribute, to the subscribing client when the publishing client updates its StatusMood presence attribute.																										
Specification Reference	[PA]: 8.3.5																										
SCR Reference	<p><b>Client SCR Items Tested</b></p> <table> <tr> <td>IMPS-CSP-PRSE-C-008</td> <td>Support for subscribe presence transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-C-012</td> <td>Support for presence notification transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-C-014</td> <td>Support for update presence transaction</td> <td>O</td> </tr> <tr> <td>IMPS-PA-C-003</td> <td>Support for ClientInfo presence attribute</td> <td>M</td> </tr> </table> <p><b>Server SCR Items Tested</b></p> <table> <tr> <td>IMPS-CSP-PRSE-S-008</td> <td>Support for subscribe presence transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-S-012</td> <td>Support for presence notification transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-S-014</td> <td>Support for update presence transaction</td> <td>O</td> </tr> <tr> <td>IMPS-PA-S-</td> <td>Support for ClientInfo presence attribute</td> <td>O</td> </tr> </table>			IMPS-CSP-PRSE-C-008	Support for subscribe presence transaction	O	IMPS-CSP-PRSE-C-012	Support for presence notification transaction	O	IMPS-CSP-PRSE-C-014	Support for update presence transaction	O	IMPS-PA-C-003	Support for ClientInfo presence attribute	M	IMPS-CSP-PRSE-S-008	Support for subscribe presence transaction	O	IMPS-CSP-PRSE-S-012	Support for presence notification transaction	O	IMPS-CSP-PRSE-S-014	Support for update presence transaction	O	IMPS-PA-S-	Support for ClientInfo presence attribute	O
IMPS-CSP-PRSE-C-008	Support for subscribe presence transaction	O																									
IMPS-CSP-PRSE-C-012	Support for presence notification transaction	O																									
IMPS-CSP-PRSE-C-014	Support for update presence transaction	O																									
IMPS-PA-C-003	Support for ClientInfo presence attribute	M																									
IMPS-CSP-PRSE-S-008	Support for subscribe presence transaction	O																									
IMPS-CSP-PRSE-S-012	Support for presence notification transaction	O																									
IMPS-CSP-PRSE-S-014	Support for update presence transaction	O																									
IMPS-PA-S-	Support for ClientInfo presence attribute	O																									

	005
Tool	-
Test code	-
Preconditions	<p>Equipment:</p> <p>2 clients (A, B) / 1 server</p> <p>Prerequisites:</p> <ul style="list-style-type: none"> <li>Functioning SAP with 2 User accounts (A, B) existing on it</li> <li>Both Clients are logged in</li> <li>User A is authorized to access User B's ClientInfo presence attribute.</li> <li>User A is not subscribed to User B's ClientInfo presence attribute.</li> </ul>
Test Procedure	#1: User A subscribes to User B's ClientInfo
Pass-Criteria	After step #1, Client A receives a presence update containing the ClientInfo, and displays the value of one of the ClientInfo presence attribute parameters (e.g. 'Mobile_Phone').

## 5.2.6 Verify the interoperability of PreferredLanguage presence attribute, to be deleted (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-PRSE-006</b>																		
Test Purpose	Verifying the interoperability of PreferredLanguage presence attribute.																		
Test Object	Client and Server device																		
Test Case Description	Verify that the server sends presence updates, containing PreferredLanguage presence attribute, to the subscribing client when the publishing client updates its PreferredLanguage presence attribute.																		
Specification Reference	[PA]: 8.3.3																		
SCR Reference	<p><b>Client SCR Items Tested</b></p> <table> <tr> <td>IMPS-CSP-PRSE-C-008</td> <td>Support for subscribe presence transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-C-012</td> <td>Support for presence notification transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-C-014</td> <td>Support for update presence transaction</td> <td>O</td> </tr> <tr> <td>IMPS-PA-C-044</td> <td>Support for PreferredLanguage presence attribute</td> <td>O</td> </tr> </table> <p><b>Server SCR Items Tested</b></p> <table> <tr> <td>IMPS-CSP-PRSE-S-008</td> <td>Support for subscribe presence transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-S-012</td> <td>Support for presence notification transaction</td> <td>O</td> </tr> </table>	IMPS-CSP-PRSE-C-008	Support for subscribe presence transaction	O	IMPS-CSP-PRSE-C-012	Support for presence notification transaction	O	IMPS-CSP-PRSE-C-014	Support for update presence transaction	O	IMPS-PA-C-044	Support for PreferredLanguage presence attribute	O	IMPS-CSP-PRSE-S-008	Support for subscribe presence transaction	O	IMPS-CSP-PRSE-S-012	Support for presence notification transaction	O
IMPS-CSP-PRSE-C-008	Support for subscribe presence transaction	O																	
IMPS-CSP-PRSE-C-012	Support for presence notification transaction	O																	
IMPS-CSP-PRSE-C-014	Support for update presence transaction	O																	
IMPS-PA-C-044	Support for PreferredLanguage presence attribute	O																	
IMPS-CSP-PRSE-S-008	Support for subscribe presence transaction	O																	
IMPS-CSP-PRSE-S-012	Support for presence notification transaction	O																	

	IMPS-CSP-PRSE-S-014 Support for update presence transaction O IMPS-PA-S-049 Support for PreferredLanguage presence attribute O
Tool	-
Test code	-
Preconditions	<b>Equipment:</b> 2 clients (A, B) / 1 server  <b>Prerequisites:</b> <ul style="list-style-type: none"> <li>• Functioning SAP with 2 User accounts (A, B) existing on it</li> <li>• Both Clients are logged in</li> <li>• Client B and Server support Update Presence functionality</li> <li>• Both Clients support PreferredLanguage presence attribute</li> <li>• User A is authorized to access User B's PreferredLanguage presence attribute.</li> <li>• User A is subscribed to User B's PreferredLanguage presence attribute.</li> <li>• Client B allows (User B) to manually change the value of (User B's) PreferredLanguage presence attribute. For testing purposes it can be assumed that, for example, the initial value of PreferredLanguage is equal to 'ENG' (NOTE: standardised data type of PreferredLanguage is ISO 639-2/T three letter language code).</li> </ul>
Test Procedure	#1: User B manually changes its PreferredLanguage presence attribute from the current value (e.g. 'ENG') to a new one (e.g. 'ITA').
Pass-Criteria	After step #1, Client A receives a presence update containing also PreferredLanguage, and displays the new value of the PreferredLanguage presence attribute (e.g. 'ITA').

### 5.2.7 Verify the interoperability of GeoLocation presence attribute (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-PRSE-007</b>
Test Purpose	Verifying the interoperability of GeoLocation presence attribute.
Test Object	Client and Server device
Test Case Description	Verify that the server sends presence updates, containing GeoLocation presence attribute, to the subscribing client when the publishing client updates its GeoLocation presence attribute.
Specification Reference	[PA]: 8.2.5
SCR Reference	<b>Client SCR Items Tested</b> IMPS-CSP-PRSE-C-008 Support for subscribe presence transaction O IMPS-CSP-PRSE-C-012 Support for presence notification transaction O

	<p>IMPS-CSP-PRSE-C-014 Support for update presence transaction O</p> <p>IMPS-PA-C-14 Support for GeoLocation presence attribute O</p> <p><b>Server SCR Items Tested</b></p> <p>IMPS-CSP-PRSE-S-008 Support for subscribe presence transaction O</p> <p>IMPS-CSP-PRSE-S-012 Support for presence notification transaction O</p> <p>IMPS-CSP-PRSE-S-014 Support for update presence transaction O</p> <p>IMPS-PA-S-19 Support for GeoLocation presence attribute O</p>
Tool	-
Test code	-
Preconditions	<p><b>Equipment:</b></p> <p>2 clients (A, B) / 1 server</p> <p><b>Prerequisites:</b></p> <ul style="list-style-type: none"> <li>• Functioning SAP with 2 User accounts (A, B) existing on it</li> <li>• Both Clients are logged in</li> <li>• Client B and Server support Update GeoLocation functionality</li> <li>• Both Clients support GeoLocation presence attribute</li> <li>• User A is authorized to access User B's GeoLocation presence attribute.</li> <li>• User A is subscribed to User B's GeoLocation presence attribute.</li> <li>• Client B allows the value of GeoLocation presence attribute to be changed, e.g. manually (for testing purposes) or by an associated GPS receiver.</li> </ul>
Test Procedure	#1: Client B sends to Server a request to change the GeoLocation presence attribute to a new value (e.g. set manually by tester or by an associated GPS receiver).
Pass-Criteria	After step #1, Client A receives a presence update containing also GeoLocation, and displays the new value of User B's GeoLocation presence attribute.

### 5.2.8 Verify that server supports Subscribe Presence functionality for all contacts in contact list (Includes Optional Features)

Test Case Id	IMPS-1.3-int-PRSE-008
Test Purpose	Verify that the server supports Subscribe Presence functionality for all contacts in contact list
Test Object	Client and Server device
Test Case Description	-

Specification Reference	[CSP]
SCR Reference	<p><b>Client SCR Items Tested</b></p> <p>IMPS-CSP-SERV-C-003 Support of Presence Service Element functionality O</p> <p>IMPS-CSP-PRSE-C-008 Support for subscribe presence transaction O</p> <p>IMPS-CSP-PRSE-C-012 Support for presence notification transaction O</p> <p><b>Server SCR Items Tested</b></p> <p>IMPS-CSP-SERV-S-003 Support of Presence Service Element functionality O</p> <p>IMPS-CSP-PRSE-S-002 Support for create contact list transaction O</p> <p>IMPS-CSP-PRSE-S-008 Support for subscribe presence transaction O</p> <p>IMPS-CSP-PRSE-S-012 Support for presence notification transaction O</p>
Tool	-
Test code	-
Preconditions	<p><b>Equipment:</b></p> <p>3 clients (A, B, C) / 1 server</p> <p>Functioning SAP with the 3 user accounts (User A, User B, User C) existing on it</p> <p><b>Prerequisites:</b></p> <p>User A has contact list registered on the server. This contact list contains User B and User C</p> <p>Clients A, B and C are logged in</p> <p>Client A is authorized to access Client B's OnlineStatus presence attribute.</p> <p>Client A is authorized to access Client C's OnlineStatus presence attribute.</p> <p>Client A is able to initiate a subscription for all contacts in contact list</p>
Test Procedure	<p>Client A initiates the subscription request for the contact list</p> <p>[Optional] Client B displays a request for presence</p> <p>[Optional] User B grants an access to presence</p> <p>[Optional] Client C displays a request for presence</p> <p>[Optional] User C grants an access to presence</p>
Pass-Criteria	<p>Client A receives presence notifications (value of OnlineStatus attribute is True) for User B and User C and displays it.</p>

## 5.2.9 Verify the Add to Contact List functionality (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-PRSE-009</b>
Test Purpose	Verify Add to Contact List functionality
Test Object	Client and Server device
Test Case Description	-
Specification Reference	[CSP]
SCR Reference	<p><b>Client SCR Items Tested</b></p> <p>IMPS-CSP-SERV-C-003 Support of Presence Service Element functionality O</p> <p>IMPS-CSP-PRSE-C-004 Support for manage contact list transaction O</p> <p><b>Server SCR Items Tested</b></p> <p>IMPS-CSP-SERV-S-003 Support of Presence Service Element functionality O</p> <p>IMPS-CSP-PRSE-S-004 Support for manage contact list transaction O</p>
Tool	-
Test code	-
Preconditions	<p><b>Equipment:</b></p> <p>1 client / 1 server</p> <p>Functioning SAP with the 2 user accounts (A, B) existing on it</p> <p><b>Prerequisites:</b></p> <p>Both Server and client support Contact List functionality</p> <p>User has one contact list registered on the server</p> <p>Client A is logged in</p>
Test Procedure	<p>Client A add new Client B to the contact list</p> <p>Client A logs off</p> <p>Client A logs in</p>
Pass-Criteria	<p>Client A confirms that the UI indicates that user B has been added to the contact list.</p> <p>Contact list contains the user ID (or Nickname) of the user B</p>

## 5.2.10 Verify the Add to Contact list functionality for a non-existing user (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-PRSE-010</b>
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Test Purpose	Verify Add to Contact list functionality for a non-existing user.
Test Object	Client and Server device
Test Case Description	-
Specification Reference	[CSP] 8.1.2, 8.1.3
SCR Reference	<p><b>Client SCR Items Tested</b></p> <p>IMPS-CSP-SERV-C-003 Support of Presence Service Element functionality O</p> <p>IMPS-CSP-PRSE-C-004 Support for manage contact list transaction O</p> <p><b>Server SCR Items Tested</b></p> <p>IMPS-CSP-SERV-S-003 Support of Presence Service Element functionality O</p> <p>IMPS-CSP-PRSE-S-004 Support for manage contact list transaction O</p>
Tool	-
Test code	-
Preconditions	<p><b>Equipment:</b></p> <p>1 client / 1 server</p> <p>Functioning SAP with 1 user account existing on it</p> <p><b>Prerequisites:</b></p> <p>Both Server and client support Contact List functionality</p> <p>User has one contact list registered on the server</p> <p>Client is logged in</p> <p>Client able to add user-id's by free text entry</p>
Test Procedure	<p>Client tries to add a non-existing user to contact list.</p> <p>Client logs off</p> <p>Client logs in</p>
Pass-Criteria	<p>After first Add User attempt, Client indicates that non-existing user could not be added to the contact list. (Error code 531 from server)</p> <p>After login, Contact list does not contains the non-existing user ID (or Nickname)</p>

### 5.2.11 Verify the Delete from Contact List functionality (Includes Optional Features)

Test Case Id	IMPS-1.3-int-PRSE-011
Test Purpose	Verify Delete from Contact List functionality

Test Object	Client and Server device
Test Case Description	-
Specification Reference	[CSP]
SCR Reference	<p><b>Client SCR Items Tested</b></p> <p>IMPS-CSP-SERV-C-003 Support of Presence Service Element functionality O</p> <p>IMPS-CSP-PRSE-C-004 Support for manage contact list transaction O</p> <p><b>Server SCR Items Tested</b></p> <p>IMPS-CSP-SERV-S-003 Support of Presence Service Element functionality O</p> <p>IMPS-CSP-PRSE-S-004 Support for manage contact list transaction O</p>
Tool	-
Test code	-
Preconditions	<p><b>Equipment:</b></p> <p>1 client / 1 server</p> <p>Functioning SAP with the 2 user accounts (A, B) existing on it</p> <p><b>Prerequisites:</b></p> <p>Both Server and client support Contact List functionality</p> <p>User has one contact list registered on the server</p> <p>Client A is logged in</p> <p>Client's contact list contain user B's User ID (or Nickname)</p>
Test Procedure	<p>Client A deletes user B from the contact list</p> <p>Client A logs off</p> <p>Client A logs in</p>
Pass-Criteria	<p>Client A confirms that the UI indicates that userB has been deleted from the contact list.</p> <p>Contact list does not contain the user ID (or Nickname) of the user B</p>

### 5.2.12 Verify the Change Nickname functionality (Includes Optional Features)

Test Case Id	IMPS-1.3-int-PRSE-012
Test Purpose	Verify Change Nickname functionality
Test Object	Client and Server device
Test Case Description	-

Specification Reference	[CSP]
SCR Reference	<p><b>Client SCR Items Tested</b></p> <p>IMPS-CSP-SERV-C-003 Support of Presence Service Element functionality O</p> <p>IMPS-CSP-PRSE-C-004 Support for manage contact list transaction O</p> <p><b>Server SCR Items Tested</b></p> <p>IMPS-CSP-SERV-S-003 Support of Presence Service Element functionality O</p> <p>IMPS-CSP-PRSE-S-004 Support for manage contact list transaction O</p>
Tool	-
Test code	-
Preconditions	<p><b>Equipment:</b></p> <p>1 client / 1 server</p> <p>Functioning SAP with the 2 user accounts (A, B) existing on it</p> <p><b>Prerequisites:</b></p> <p>Both Server and client support Contact List functionality</p> <p>Client supports change of nicknames</p> <p>Client A has one contact list registered on the server. This contact list contains User B with nickname “Nick 1”</p> <p>Client A is logged in</p>
Test Procedure	<p>Client A changes nickname of the User B to “New Nick”</p> <p>Client A logs off</p> <p>Client A logs in</p>
Pass-Criteria	<p>Client A confirms that the UI indicates that User B has nickname “New Nick”</p> <p>Contact list contains the User B with nickname “New Nick”</p>

### 5.2.13 Verify the Create Contact List functionality (Includes Optional Features)

Test Case Id	IMPS-1.3-int-PRSE-013
Test Purpose	Verify Create Contact List functionality
Test Object	Client and Server device
Test Case Description	-

Specification Reference	[CSP]
SCR Reference	<p><b>Client SCR Items Tested</b></p> <p>IMPS-CSP-SERV-C-003 Support of Presence Service Element functionality O</p> <p>IMPS-CSP-PRSE-C-001 Support for get list of contact lists (Ids) transaction O</p> <p>IMPS-CSP-PRSE-C-002 Support for create contact list transaction O</p> <p><b>Server SCR Items Tested</b></p> <p>IMPS-CSP-SERV-S-003 Support of Presence Service Element functionality O</p> <p>IMPS-CSP-PRSE-S-001 Support for get list of contact lists (Ids) transaction O</p> <p>IMPS-CSP-PRSE-S-002 Support for create contact list transaction O</p>
Tool	-
Test code	-
Preconditions	<p><b>Equipment:</b></p> <p>1 client / 1 server</p> <p>Functioning SAP with one user account existing on it</p> <p><b>Prerequisites:</b></p> <p>Both Server and client support Contact List functionality</p> <p>Both Server and client support multiple contact lists</p> <p>Client is not logged in</p> <p>Client has one contact list named “First” with one contact on it.</p>
Test Procedure	<p>Client logs in</p> <p>Client displays current contact lists</p> <p>Client adds new contact list using name “Second”</p> <p>Client logs off</p> <p>Client logs in</p> <p>Client displays current contact lists (again)</p>
Pass-Criteria	<p>At first check, Client displays the list of existing contact lists that contains “First”.</p> <p>At second check, Client displays the list of existing contact lists that contains two records: “First” and “Second”</p>

## 5.2.14 Verify the Delete Contact List functionality (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-PRSE-014</b>																		
Test Purpose	Verify Delete Contact List functionality																		
Test Object	Client and Server device																		
Test Case Description	-																		
Specification Reference	[CSP]																		
SCR Reference	<p><b>Client SCR Items Tested</b></p> <table> <tr> <td>IMPS-CSP-SERV-C-003</td> <td>Support of Presence Service Element functionality</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-C-001</td> <td>Support for get list of contact lists (IDs) transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-C-003</td> <td>Support for delete contact list transaction</td> <td>O</td> </tr> </table> <p><b>Server SCR Items Tested</b></p> <table> <tr> <td>IMPS-CSP-SERV-S-003</td> <td>Support of Presence Service Element functionality</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-S-001</td> <td>Support for get list of contact lists (IDs) transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-S-003</td> <td>Support for delete contact list transaction</td> <td>O</td> </tr> </table>	IMPS-CSP-SERV-C-003	Support of Presence Service Element functionality	O	IMPS-CSP-PRSE-C-001	Support for get list of contact lists (IDs) transaction	O	IMPS-CSP-PRSE-C-003	Support for delete contact list transaction	O	IMPS-CSP-SERV-S-003	Support of Presence Service Element functionality	O	IMPS-CSP-PRSE-S-001	Support for get list of contact lists (IDs) transaction	O	IMPS-CSP-PRSE-S-003	Support for delete contact list transaction	O
IMPS-CSP-SERV-C-003	Support of Presence Service Element functionality	O																	
IMPS-CSP-PRSE-C-001	Support for get list of contact lists (IDs) transaction	O																	
IMPS-CSP-PRSE-C-003	Support for delete contact list transaction	O																	
IMPS-CSP-SERV-S-003	Support of Presence Service Element functionality	O																	
IMPS-CSP-PRSE-S-001	Support for get list of contact lists (IDs) transaction	O																	
IMPS-CSP-PRSE-S-003	Support for delete contact list transaction	O																	
Tool	-																		
Test code	-																		
Preconditions	<p><b>Equipment:</b></p> <p>1 client / 1 server</p> <p>Functioning SAP with one user account existing on it</p> <p><b>Prerequisites:</b></p> <p>Both Server and client support Contact List functionality</p> <p>Both Server and client support multiple contact lists</p> <p>Client A is not logged in</p> <p>Client A has two contact lists named “First” and “Second”</p>																		
Test Procedure	<p>Client A logs in</p> <p>Client A displays the list of existing contact lists.</p> <p>Client A deletes contact lists named “Second”</p> <p>Client A logs off</p> <p>Client A logs in</p>																		
Pass-Criteria	Before Contact List Deletion, the Client A UI displays two contact list records: “First” and																		

	<p>“Second”.</p> <p>After second Login, Client A UI displays the list of existing contact lists. It contains one record: “First”</p>
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## 5.2.15 Verify that the server and client support Get Watcher List functionality (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-PRSE-015</b>																		
Test Purpose	Verify that the server and client support Get Watcher List functionality																		
Test Object	Client and Server device																		
Test Case Description	-																		
Specification Reference	[CSP]																		
SCR Reference	<p><b>Client SCR Items Tested</b></p> <table> <tr> <td>IMPS-CSP-SERV-C-003</td> <td>Support of Presence Service Element functionality</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-C-008</td> <td>Support for subscribe presence transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-C-011</td> <td>Support for get watcher list transaction</td> <td>O</td> </tr> </table> <p><b>Server SCR Items Tested</b></p> <table> <tr> <td>IMPS-CSP-SERV-S-003</td> <td>Support of Presence Service Element functionality</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-S-008</td> <td>Support for subscribe presence transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-S-011</td> <td>Support for get watcher list transaction</td> <td>O</td> </tr> </table>	IMPS-CSP-SERV-C-003	Support of Presence Service Element functionality	O	IMPS-CSP-PRSE-C-008	Support for subscribe presence transaction	O	IMPS-CSP-PRSE-C-011	Support for get watcher list transaction	O	IMPS-CSP-SERV-S-003	Support of Presence Service Element functionality	O	IMPS-CSP-PRSE-S-008	Support for subscribe presence transaction	O	IMPS-CSP-PRSE-S-011	Support for get watcher list transaction	O
IMPS-CSP-SERV-C-003	Support of Presence Service Element functionality	O																	
IMPS-CSP-PRSE-C-008	Support for subscribe presence transaction	O																	
IMPS-CSP-PRSE-C-011	Support for get watcher list transaction	O																	
IMPS-CSP-SERV-S-003	Support of Presence Service Element functionality	O																	
IMPS-CSP-PRSE-S-008	Support for subscribe presence transaction	O																	
IMPS-CSP-PRSE-S-011	Support for get watcher list transaction	O																	
Tool	-																		
Test code	-																		
Preconditions	<p><b>Equipment:</b></p> <p>2 clients (A, B) / 1 server</p> <p>Functioning SAP with the 2 user accounts existing on it</p> <p><b>Prerequisites:</b></p> <p>Both clients are logged in</p> <p>Both Server and Client A support Get Watcher List functionality</p> <p>Client B is authorized to access Client A’s OnlineStatus presence attribute</p>																		
Test Procedure	<p>Client B initiates the subscription request for presence of Client A</p> <p>[Optional] Client A displays a request for presence</p> <p>[Optional] User A grants an access to presence</p>																		

	User A requests his watcher list
Pass-Criteria	Watcher list contains User B

### 5.2.16 Verify the Reactive presence authorization via Proactive presence authorization (individual authorization) (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-PRSE-016</b>																										
Test Purpose	Reactive presence authorization to proactive presence authorization (individual authorization)																										
Test Object	Client and Server																										
Test Case Description	The notified user is able to use proactive authorization to authorize the subscriber via individual authorization.																										
Specification Reference	[CSP]: 5.1, 6.1, 7.2, 8.2, 8.3																										
SCR Reference	<p><b>Client SCR items tested:</b></p> <table border="1"> <tr> <td>IMPS-CSP-SAP-C-018</td> <td>Support for General Notification transactions</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-C-005</td> <td>Support for create attribute list transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-C-008</td> <td>Support for subscribe presence transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-C-012</td> <td>Support for presence notification transaction</td> <td>O</td> </tr> </table> <p><b>Server SCR items tested:</b></p> <table border="1"> <tr> <td>IMPS-CSP-SAP-S-018</td> <td>Support for General Notification transactions</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-S-005</td> <td>Support for create attribute list transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-S-008</td> <td>Support for subscribe presence transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-S-012</td> <td>Support for presence notification transaction</td> <td>O</td> </tr> </table>			IMPS-CSP-SAP-C-018	Support for General Notification transactions	O	IMPS-CSP-PRSE-C-005	Support for create attribute list transaction	O	IMPS-CSP-PRSE-C-008	Support for subscribe presence transaction	O	IMPS-CSP-PRSE-C-012	Support for presence notification transaction	O	IMPS-CSP-SAP-S-018	Support for General Notification transactions	O	IMPS-CSP-PRSE-S-005	Support for create attribute list transaction	O	IMPS-CSP-PRSE-S-008	Support for subscribe presence transaction	O	IMPS-CSP-PRSE-S-012	Support for presence notification transaction	O
IMPS-CSP-SAP-C-018	Support for General Notification transactions	O																									
IMPS-CSP-PRSE-C-005	Support for create attribute list transaction	O																									
IMPS-CSP-PRSE-C-008	Support for subscribe presence transaction	O																									
IMPS-CSP-PRSE-C-012	Support for presence notification transaction	O																									
IMPS-CSP-SAP-S-018	Support for General Notification transactions	O																									
IMPS-CSP-PRSE-S-005	Support for create attribute list transaction	O																									
IMPS-CSP-PRSE-S-008	Support for subscribe presence transaction	O																									
IMPS-CSP-PRSE-S-012	Support for presence notification transaction	O																									
Tool	N/A																										
Test code	N/A																										

<p>Preconditions</p>	<p>Equipment:</p> <ul style="list-style-type: none"> <li>○ 2 clients (A, B, C) / 1 server</li> <li>○ Functioning SAP with the 2 user accounts existing on it</li> </ul> <p>Prerequisites:</p> <ul style="list-style-type: none"> <li>○ Both clients are logged in</li> <li>○ Both server and Client A support Authorization-Needed-User Notification</li> <li>○ Both server and Client B support presence notification</li> <li>○ Both server and Client A support contact lists</li> <li>○ User A has a Contact List containing Clients B and C</li> <li>○ User A did not proactively authorize User B and User C in any way for a specific presence attribute (e.g. OnlineStatus). It means that:                         <ul style="list-style-type: none"> <li>○ user A has no individual or list authorization for this presence attribute</li> <li>○ the requested presence attribute (e.g. OnlineStatus) is not covered in the default presence attribute list of user A</li> </ul> </li> <li>○ User A's account is configured such that User A is to be notified about additional presence attribute requests than those authorized via the Default List.</li> </ul>
<p>Test Procedure</p>	<p>#1: Client B initiates the subscription request for a NOT proactively authorized presence attribute (e.g. OnlineStatus presence attribute) of User A</p> <p>#2: User A grants access to this presence attribute (e.g. OnlineStatus presence attribute) via <b>individual</b> authorization for User B only</p> <p>#3: Client A modifies this presence attribute (e.g. Client A logs out to update OnlineStatus to 'F')</p> <p>.</p>
<p>Pass-Criteria</p>	<p>#1:</p> <ul style="list-style-type: none"> <li>• Client A displays a request for presence attributes requested by User B</li> <li>• Client B receives a presence notification that does not contain this presence attribute (e.g. OnlineStatus)</li> </ul> <p>#2:</p> <ul style="list-style-type: none"> <li>• Client B receives a presence notification containing the presence attribute value (e.g. OnlineStatus='T') only after User A grants the access to this presence attribute.</li> <li>• Client C does NOT receive any presence notification for that specific UserA's PA (e.g. OnlineStatus)</li> </ul> <p>#3:</p> <ul style="list-style-type: none"> <li>• Client B receives a presence notification for this presence attribute new presence value (e.g. OnlineStatus='F')</li> <li>• Client C does NOT receive any presence notification for that specific UserA's PA (e.g. OnlineStatus)</li> </ul>

## 5.2.17 Verify the Reactive presence authorization via Proactive presence authorization (list authorization) (Includes Optional Features)

Test Case Id	IMPS-1.3-int-PRSE-017																										
Test Purpose	Reactive presence authorization to proactive presence authorization (list authorization)																										
Test Object	Client and Server																										
Test Case Description	The notified user is able to use proactive authorization to authorize the subscribers via list authorization.																										
Specification Reference	[CSP]: 5.1, 6.1, 7.2, 8.2, 8.3																										
SCR Reference	<p><b>Client SCR items tested:</b></p> <table border="1"> <tr> <td>IMPS-CSP-SAP-C-018</td> <td>Support for General Notification transactions</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-C-005</td> <td>Support for create attribute list transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-C-008</td> <td>Support for subscribe presence transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-C-012</td> <td>Support for presence notification transaction</td> <td>O</td> </tr> </table> <p><b>Server SCR items tested:</b></p> <table border="1"> <tr> <td>IMPS-CSP-SAP-S-018</td> <td>Support for General Notification transactions</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-S-005</td> <td>Support for create attribute list transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-S-008</td> <td>Support for subscribe presence transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-S-012</td> <td>Support for presence notification transaction</td> <td>O</td> </tr> </table>			IMPS-CSP-SAP-C-018	Support for General Notification transactions	O	IMPS-CSP-PRSE-C-005	Support for create attribute list transaction	O	IMPS-CSP-PRSE-C-008	Support for subscribe presence transaction	O	IMPS-CSP-PRSE-C-012	Support for presence notification transaction	O	IMPS-CSP-SAP-S-018	Support for General Notification transactions	O	IMPS-CSP-PRSE-S-005	Support for create attribute list transaction	O	IMPS-CSP-PRSE-S-008	Support for subscribe presence transaction	O	IMPS-CSP-PRSE-S-012	Support for presence notification transaction	O
IMPS-CSP-SAP-C-018	Support for General Notification transactions	O																									
IMPS-CSP-PRSE-C-005	Support for create attribute list transaction	O																									
IMPS-CSP-PRSE-C-008	Support for subscribe presence transaction	O																									
IMPS-CSP-PRSE-C-012	Support for presence notification transaction	O																									
IMPS-CSP-SAP-S-018	Support for General Notification transactions	O																									
IMPS-CSP-PRSE-S-005	Support for create attribute list transaction	O																									
IMPS-CSP-PRSE-S-008	Support for subscribe presence transaction	O																									
IMPS-CSP-PRSE-S-012	Support for presence notification transaction	O																									
Tool	N/A																										
Test code	N/A																										

Preconditions	<p>Equipment:</p> <ul style="list-style-type: none"> <li>○ 3 clients (A, B, C) / 1 server</li> <li>○ Functioning SAP with 3 user accounts existing on it</li> </ul> <p>Prerequisites:</p> <ul style="list-style-type: none"> <li>○ All clients are logged in</li> <li>○ Both server and Client A support Authorization-Needed-User Notification</li> <li>○ All server and Client B and C support presence notification</li> <li>○ Both server and Client A support contact lists</li> <li>○ User A has a Contact List containing Users B and C</li> <li>○ User A did not proactively authorize User B and User C in any way for a specific presence attribute (e.g. OnlineStatus). It means that: <ul style="list-style-type: none"> <li>○ user A has no individual or list authorization for this presence attribute</li> <li>○ the requested presence attribute (e.g. OnlineStatus) is not covered in the default presence attribute list of user A</li> </ul> </li> <li>○ User A's account is configured such that User A is to be notified about additional presence attribute requests than those authorized via the Default List.</li> </ul>
Test Procedure	<p>#1: Client B initiates the subscription request for a NOT proactively authorized presence attribute (e.g. OnlineStatus presence attribute) of User A</p> <p>#2: User A grants access to this presence attribute (e.g. OnlineStatus presence attribute) via <b>list</b> authorization</p> <p>#3: Client A modifies this presence attribute (e.g. Client A logs out to update OnlineStatus to 'F')</p>
Pass-Criteria	<p>#1:</p> <ul style="list-style-type: none"> <li>• Client A displays a request for presence attributes requested by User B</li> <li>• Client B receives a presence notification that does not contain this presence attribute (e.g. OnlineStatus)</li> </ul> <p>#2: Client B and Client C receive a presence notification containing the presence attribute value (e.g. OnlineStatus='T') only after User A grants the access to this presence attribute.</p> <p>#3: Client B and Client C receive a presence notification for this presence attribute new presence value (e.g. OnlineStatus='F')</p>

## 5.2.18 Verify the auto-subscribe functionality when adding a user to a Contact List (Includes Optional Features)

Test Case Id	IMPS-1.3-int-PRSE-018
Test Purpose	Verify auto-subscribe functionality when adding a user to a Contact List.
Test Object	Client and Server device

Test Case Description	-
Specification Reference	[CSP]
SCR Reference	<p><b>Client SCR Items Tested</b></p> <p>IMPS-CSP-SERV-C-003 Support of Presence Service Element functionality O</p> <p>IMPS-CSP-PRSE-C-004 Support for manage contact list transaction O</p> <p>IMPS-CSP-PRSE-C-009 Support for automatic subscribe presence subscription O</p> <p><b>Server SCR Items Tested</b></p> <p>IMPS-CSP-SERV-S-003 Support of Presence Service Element functionality O</p> <p>IMPS-CSP-PRSE-S-004 Support for manage contact list transaction O</p> <p>IMPS-CSP-PRSE-S-009 Support for automatic subscribe presence subscription O</p>
Tool	-
Test code	-
Preconditions	<p><b>Equipment:</b></p> <p>2 clients / 1 server.</p> <p>Functioning SAP with the 2 user accounts (A, B) existing on it.</p> <p><b>Prerequisites:</b></p> <p>IMPS-1.3-int-PRSE-002 is passed</p> <p>Both Server and Client A support Contact List functionality.</p> <p>Client A and the Server supports the AutoSubscribe functionality.</p> <p>User A has one contact list registered on the server that does not contain User B.</p> <p>Client A is logged in as User A.</p> <p>Client A has the ability to turn on or default is TRUE for AutoSubscribe.</p> <p>Client A subscribes to the OnlineStatus attribute for the contact list.</p>
Test Procedure	<p>User A adds new user B to the contact list.</p> <p>User B logs in.</p> <p>User B logs out.</p>
Pass-Criteria	<p>After action #1: Client A changes the UI to indicate that User B has been added to the contact list and that User B's OnlineStatus presence attribute is set to 'F'.</p> <p>After action #2: Client A changes the UI to indicate that User B's OnlineStatus presence attribute is set to 'T'.</p> <p>After action #3: Client A changes the UI to indicate that User B's OnlineStatus presence attribute is set to 'F'.</p>

## 5.2.19 Verify Client is unable to access another users Contact List (denied by the Server) (Includes Optional Features)

Test Case Id	IMPS-1.3-int-PRSE-019																		
Test Purpose	Verify Client is unable to access another users Contact List (denied by the Server)																		
Test Object	Client and Server device																		
Test Case Description	-																		
Specification Reference	[CSP]																		
SCR Reference	<p><b>Client SCR Items Tested</b></p> <table> <tr> <td>IMPS-CSP-SERV-C-003</td> <td>Support of Presence Service Element functionality</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-C-001</td> <td>Support for get list of contact lists (Ids) transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-ADDR-C-004</td> <td>User cannot refer to or access other users' contact list.</td> <td>M</td> </tr> </table> <p><b>Server SCR Items Tested</b></p> <table> <tr> <td>IMPS-CSP-SERV-S-003</td> <td>Support of Presence Service Element functionality</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-S-001</td> <td>Support for get list of contact lists (Ids) transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-ADDR-S-005</td> <td>User cannot refer to or access other users' contact list.</td> <td>M</td> </tr> </table>	IMPS-CSP-SERV-C-003	Support of Presence Service Element functionality	O	IMPS-CSP-PRSE-C-001	Support for get list of contact lists (Ids) transaction	O	IMPS-CSP-ADDR-C-004	User cannot refer to or access other users' contact list.	M	IMPS-CSP-SERV-S-003	Support of Presence Service Element functionality	O	IMPS-CSP-PRSE-S-001	Support for get list of contact lists (Ids) transaction	O	IMPS-CSP-ADDR-S-005	User cannot refer to or access other users' contact list.	M
IMPS-CSP-SERV-C-003	Support of Presence Service Element functionality	O																	
IMPS-CSP-PRSE-C-001	Support for get list of contact lists (Ids) transaction	O																	
IMPS-CSP-ADDR-C-004	User cannot refer to or access other users' contact list.	M																	
IMPS-CSP-SERV-S-003	Support of Presence Service Element functionality	O																	
IMPS-CSP-PRSE-S-001	Support for get list of contact lists (Ids) transaction	O																	
IMPS-CSP-ADDR-S-005	User cannot refer to or access other users' contact list.	M																	
Tool	-																		
Test code	-																		
Preconditions	<p><b>Equipment:</b></p> <p>1 client and 1 server</p> <p>Functioning SAP with at least 2 user accounts existing on it.</p> <p><b>Prerequisites:</b></p> <p>Client provides user ability to type in contact list name.</p> <p>Server has Contact List for a second user account containing the first user account.</p> <p>Client is logged into the Server</p>																		
Test Procedure	<p>User enters Contact List name of second user account's contact list. Example: user2/friends. (Exact information to be provided by Server)</p> <p>Client proceeds to attempt to get the contact list information.</p>																		
Pass-Criteria	Client indicates error. Error may be along the lines of "Server refused access", "Command																		

	<p>not successful”, etc....</p> <p>NOTE: In the case of the client recognizing and stopping this transaction, it is considered a PASS for the Client and INCONCLUSIVE for the Server.</p>
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### 5.2.20 Verify Publishing Default Attribute List functionality (Proactive Presence Case) (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-PRSE-020</b>
Test Purpose	Verify Publishing Default Attribute List functionality (Proactive Presence Case)
Test Object	Client and Server device
Test Case Description	-
Specification Reference	[CSP]
SCR Reference	<p><b>Client SCR Items Tested</b></p> <p>IMPS-CSP-SERV-C-003 Support of Presence Service Element functionality O</p> <p>IMPS-CSP-PRSE-C-013 Support for get presence transaction O</p> <p><b>Server SCR Items Tested</b></p> <p>IMPS-CSP-SERV-S-003 Support of Presence Service Element functionality O</p> <p>IMPS-CSP-PRSE-S-013 Support for get presence transaction O</p>
Tool	-
Test code	-
Preconditions	<p>Equipment:</p> <p>3 clients (A, B, C) / 1 server</p> <p>Functioning SAP with the 3 user accounts (User A, B and C) existing on it</p> <p>Prerequisites:</p> <p>All clients are logged in</p> <p>Client B is able to Set an Attribute List without specifying a Contact List</p> <p>Server supports Publishing Default Attribute Lists</p> <p>Client A is on one of Client B’s Contact List</p> <p>Client C is NOT on any of Client B’s Contact List</p> <p>Client A and C are not subscribed to Client B’s Presence</p>
Test Procedure	Client B sets one of its presences attributes Attribute 1 to Value 1

	<p>(Optional): Client B “Publishes” the Attribute 1.</p> <p>NOTE: Server may need to ensure that the Attribute 1 is on Client B’s default published attribute list</p> <p>Client A uses Get Presence function to get current value of the Attribute 1 of Client B</p> <p>[Optional] Client A enables Get Presence function to get all presence attributes for Client B (Including Attribute 1)</p> <p>Client C uses Get Presence function to get current value of the Attribute 1 of Client B</p> <p>[Optional] Client C enables Get Presence function to get all presence attributes for Client B (Including Attribute 1)</p>
Pass-Criteria	<p>Client A UI shows the returned value is Value 1</p> <p>Client C UI shows the returned value is Value 1</p> <p>Client B does not display any request for presence.</p>

### 5.2.21 Verify General Notification Mechanism (Contact-List-Created and in case of multiple concurrent sessions of the same User) (Includes Optional Features)

Test Case Id	IMPS-1.3-int-PRSE-021																								
Test Purpose	Verify General Notification Mechanism (on Contact-List-Created event and in the case of multiple concurrent sessions of the same User)																								
Test Object	Client and Server devices																								
Test Case Description	-																								
Specification Reference	[CSP]: 5, 6.1, 7, 7.2																								
SCR Reference	<p><b>Client SCR Items Tested</b></p> <table border="0"> <tr> <td>IMPS-CSP-SAP-C-018</td> <td>Support for General Notification transactions</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-C-001</td> <td>Support for get list of contact lists (IDs) transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-C-002</td> <td>Support for create contact list transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-SAP-C-005</td> <td>Support of multiple concurrent sessions</td> <td>M</td> </tr> </table> <p><b>Server SCR Items Tested</b></p> <table border="0"> <tr> <td>IMPS-CSP-SAP-S-018</td> <td>Support for General Notification transactions</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-S-001</td> <td>Support for get list of contact lists (IDs) transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-PRSE-S-002</td> <td>Support for create contact list transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-SAP-S-005</td> <td>Support of multiple concurrent sessions</td> <td>M</td> </tr> </table>	IMPS-CSP-SAP-C-018	Support for General Notification transactions	O	IMPS-CSP-PRSE-C-001	Support for get list of contact lists (IDs) transaction	O	IMPS-CSP-PRSE-C-002	Support for create contact list transaction	O	IMPS-CSP-SAP-C-005	Support of multiple concurrent sessions	M	IMPS-CSP-SAP-S-018	Support for General Notification transactions	O	IMPS-CSP-PRSE-S-001	Support for get list of contact lists (IDs) transaction	O	IMPS-CSP-PRSE-S-002	Support for create contact list transaction	O	IMPS-CSP-SAP-S-005	Support of multiple concurrent sessions	M
IMPS-CSP-SAP-C-018	Support for General Notification transactions	O																							
IMPS-CSP-PRSE-C-001	Support for get list of contact lists (IDs) transaction	O																							
IMPS-CSP-PRSE-C-002	Support for create contact list transaction	O																							
IMPS-CSP-SAP-C-005	Support of multiple concurrent sessions	M																							
IMPS-CSP-SAP-S-018	Support for General Notification transactions	O																							
IMPS-CSP-PRSE-S-001	Support for get list of contact lists (IDs) transaction	O																							
IMPS-CSP-PRSE-S-002	Support for create contact list transaction	O																							
IMPS-CSP-SAP-S-005	Support of multiple concurrent sessions	M																							

Tool	-
Test code	-
Preconditions	<p>Equipment:</p> <ul style="list-style-type: none"> <li>- 2 clients and 1 server</li> </ul> <p>Prerequisites:</p> <ul style="list-style-type: none"> <li>- Functioning SAP with at least 2 accounts (User A and User B)</li> <li>- Client1, Client2 and Server support Contact List functionality</li> <li>- Client1, Client2 and Server support multiple contact lists</li> <li>- UserA has one contact-list named "First" with one contact on it (User B)</li> <li>- Client1 and Client2 are both logged in as UserA (two different ClientIDs)</li> <li>- Client2 has subscribed to the "Contact-List-Created" General Notification type</li> </ul>
Test Procedure	<ul style="list-style-type: none"> <li>• Client2 requests to Server and displays current contact-lists</li> <li>• Client1 adds a new contact-list named "Second"</li> </ul>
Pass-Criteria	<ul style="list-style-type: none"> <li>• After step #1 and before step #2, User A on Client2 can see displayed the contact-list named "First"</li> <li>• After step #2, User A is notified on Client2 that a new contact-list named "Second" has been created. (<u>Note: if User A is NOT notified on Client2 of the creation of "Second" but can see the contact-list named "Second" on the User Interface of Client 2, the pass criteria is PASSED</u>)</li> </ul>

## 5.3 IMPS-1.3-int-IMSE

### 5.3.1 Verify that a message sent by one client is delivered to the other client (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-IMSE-001</b>
Test Purpose	Verify that a message sent by one client is delivered to the other client
Test Object	Client and Server device
Test Case Description	-
Specification Reference	[CSP]
SCR Reference	<p><b>Client SCR Items Tested</b></p> <p>IMPS-CSP-SERV-C-002 Support of Instant Messaging Service Element functionality O</p> <p>IMPS-CSP-IMSE-C-002 Support for send message transaction O</p> <p><b>Server SCR Items Tested</b></p> <p>IMPS-CSP-SERV-S-002 Support of Instant Messaging Service Element functionality O</p> <p>IMPS-CSP-IMSE-S-002 Support for send message transaction O</p>
Tool	-
Test code	-
Preconditions	<p><b>Equipment:</b></p> <p>2 clients (A, B) / 1 server</p> <p>Functioning SAP with the 2 user accounts (A, B) existing on it</p> <p><b>Prerequisites:</b></p> <p>Both clients are logged in</p> <p>Both client and server support the same type of delivery mechanism (Push or Notify/Get or both)</p> <p>Client B is not blocking Client A's message.</p>
Test Procedure	<p>User A composes new message (content is "Test") and specifies User B as a recipient</p> <p>User A sends message</p>
Pass-Criteria	<p>Client A visually confirms that message (content is "Test") has been sent.</p> <p>Client B alerts user that new message has been received.</p> <p>Content of Client B's message is "Test".</p>

### 5.3.2 Verify message sent to client that is logged out (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-IMSE-002</b>
Test Purpose	Verify that a message sent by one client to another client that is logged out is delivered to that client when it logs on
Test Object	Client and Server device
Test Case Description	-
Specification Reference	[CSP]
SCR Reference	<p><b>Client SCR Items Tested</b></p> <p>IMPS-CSP-IMSE-C-001 Support for setting delivery method O</p> <p>IMPS-CSP-IMSE-C-002 Support for send message transaction O</p> <p><b>Server SCR Items Tested</b></p> <p>IMPS-CSP-IMSE-S-001 Support for setting delivery method O</p> <p>IMPS-CSP-IMSE-S-002 Support for send message transaction O</p>
Tool	-
Test code	-
Preconditions	<p><b>Equipment:</b></p> <p>2 clients (A, B) / 1 server</p> <p>Functioning SAP with the 2 user accounts (A, B) existing on it</p> <p><b>Prerequisites:</b></p> <p>Client A is logged in</p> <p>Client B is not logged in</p> <p>Client B has supports setting delivery method and is set to “Notify / Get”</p> <p>Both client and server support the same type of delivery mechanism (Push or Notify/Get or both)</p> <p>Client B is not blocking Client A’s message.</p> <p>Server supports a store-and-forward functionality and pushing of stored messages</p>
Test Procedure	<p>User A composes new message (content is “Test”) and specifies User B as a recipient</p> <p>User A sends message</p>

	User B logs in
Pass-Criteria	After login, Client B alerts user B that new message has been received.  Content of Client B's message is "Test".

### 5.3.3 Verify the successful sending of an Offline IM using CIR notification (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-IMSE-003</b>																														
Test Purpose	Successful Offline IM.																														
Test Object	Client and Server																														
Test Case Description	Verify the successful sending of an IM when the recipient User is offline, i.e. the offline IM storage and offline IM notification while the recipient is still logged-off, and the subsequent IM delivery when the recipient returns online.																														
Specification Reference	[CSP]: 9.1.7 [CSP Trans] 9																														
SCR Reference	<p><b>Client SCR items tested:</b></p> <table> <tr> <td>IMPS-CSP-IMSE-C-002</td> <td>Support for send message transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-IMSE-C-005</td> <td>Message-Info element requirements</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-IMSE-C-008</td> <td>Support for get message transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-SAP-C-003</td> <td>Support for Communication Initiation Request and PollingRequest primitives</td> <td>O</td> </tr> </table> <p><b>Server SCR items tested:</b></p> <table> <tr> <td>IMPS-CSP-IMSE-S-002</td> <td>Support for send message transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-IMSE-S-005</td> <td>Message-Info element requirements</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-CCAPAB-S-001</td> <td>The server maintains the client capabilities between sessions.</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-CCAPAB-S-002</td> <td>The server maintains the MSIDN persistently between sessions when SupportedOfflineBearer was agreed.</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-IMSE-S-008</td> <td>Support for get message transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-SAP-S-003</td> <td>Support for Communication Initiation Request and PollingRequest primitives</td> <td>O</td> </tr> </table>	IMPS-CSP-IMSE-C-002	Support for send message transaction	O	IMPS-CSP-IMSE-C-005	Message-Info element requirements	O	IMPS-CSP-IMSE-C-008	Support for get message transaction	O	IMPS-CSP-SAP-C-003	Support for Communication Initiation Request and PollingRequest primitives	O	IMPS-CSP-IMSE-S-002	Support for send message transaction	O	IMPS-CSP-IMSE-S-005	Message-Info element requirements	O	IMPS-CSP-CCAPAB-S-001	The server maintains the client capabilities between sessions.	O	IMPS-CSP-CCAPAB-S-002	The server maintains the MSIDN persistently between sessions when SupportedOfflineBearer was agreed.	O	IMPS-CSP-IMSE-S-008	Support for get message transaction	O	IMPS-CSP-SAP-S-003	Support for Communication Initiation Request and PollingRequest primitives	O
IMPS-CSP-IMSE-C-002	Support for send message transaction	O																													
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IMPS-CSP-IMSE-S-005	Message-Info element requirements	O																													
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IMPS-CSP-IMSE-S-008	Support for get message transaction	O																													
IMPS-CSP-SAP-S-003	Support for Communication Initiation Request and PollingRequest primitives	O																													
Tool	N/A																														
Test code	N/A																														

Preconditions	<ul style="list-style-type: none"> <li>• Equipment: <ul style="list-style-type: none"> <li>○ 2 Clients and 1 Server</li> </ul> </li> <li>• Prerequisites: <ul style="list-style-type: none"> <li>○ SAP with at least two User accounts (A and B) provisioned on it.</li> <li>○ User A is not in User B's Block List, if it exists.</li> <li>○ User B is in User A's Contact List.</li> <li>○ Client A is logged in.</li> <li>○ Server supports Offline IM storage and Offline IM notification via CIR.</li> <li>○ Client B is logged off.</li> <li>○ Prior to logging off, Client B had successfully negotiated with Server an offline bearer to support Offline IM notification via CIR over WAP Push or standalone SMS.</li> </ul> </li> </ul>
Test Procedure	<ul style="list-style-type: none"> <li>• Client A sends an IM to User B, e.g. text/plain "Welcome back!" (SendMessageRequest primitive).</li> <li>• Server receives the IM from Client A and, since Client B is offline, Server stores the IM.</li> <li>• Server sends an CIR notification to Client B containing the Message-ID of the stored IM.</li> <li>• Before the IM expires on the Server, Client B logs in again to Server. (may be automatic based on CIR notification)</li> <li>• Client B fetches the stored IM from Server (by using the previously notified Message-ID).</li> </ul>
Pass-Criteria	<ul style="list-style-type: none"> <li>• On Client B, User B can see the IM originally sent by User A, e.g. "Welcome back!"</li> </ul> <p>NOTE: When this test case is passed, whichever CIR mechanism is used can also be used to pass of the following test cases:</p> <ul style="list-style-type: none"> <li>• IMPS-1.3-int-CIR-001</li> <li>• IMPS-1.3-int-CIR-002</li> <li>• IMPS-1.3-int-CIR-003</li> </ul>

### 5.3.4 Verify the rejecting of instant messages (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-IMSE-004</b>						
Test Purpose	This test confirms that a client is able to reject messages						
Test Object	Client and Server device						
Test Case Description	-						
Specification Reference	[CSP]						
SCR Reference	<p><b>Client SCR Items Tested</b></p> <table border="0" style="width: 100%;"> <tr> <td style="width: 30%;">IMPS-CSP-SERV-C-002</td> <td style="width: 50%;">Support of Instant Messaging Service Element functionality</td> <td style="width: 20%; text-align: right;">O</td> </tr> <tr> <td>IMPS-CSP-IMSE-C-004</td> <td>Support for reject message transaction</td> <td style="text-align: right;">O</td> </tr> </table> <p><b>Server SCR Items Tested</b></p>	IMPS-CSP-SERV-C-002	Support of Instant Messaging Service Element functionality	O	IMPS-CSP-IMSE-C-004	Support for reject message transaction	O
IMPS-CSP-SERV-C-002	Support of Instant Messaging Service Element functionality	O					
IMPS-CSP-IMSE-C-004	Support for reject message transaction	O					

	IMPS-CSP-SERV-S-002 Support of Instant Messaging Service Element functionality O IMPS-CSP-IMSE-S-004 Support for reject message transaction O
Tool	-
Test code	-
Preconditions	Equipment: 2 clients (A, B) / 1 server Functioning SAP with the 2 user accounts (A, B) existing on it Prerequisites: Both clients are logged in Client A and server support Reject Message functionality Client A has support for 'pull'-ing messages Current delivery method for Client A is 'pull'-ing
Test Procedure	Client B composes a new message (content is "Test") and specifies user A as a recipient Client B sends the message Client A indicates that the message notification has been received Client A rejects the message
Pass-Criteria	Client A has not received the message and cannot see it on the Server. Message does not exist on the server and Client A.

### 5.3.5 Verify the forwarding of instant message (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-IMSE-005</b>
Test Purpose	This test confirms that a client is able to forward unretrieved messages to other users
Test Object	Client and Server device
Test Case Description	-
Specification Reference	[CSP]
SCR Reference	<b>Client SCR Items Tested</b> IMPS-CSP-SERV-C-002 Support of Instant Messaging Service Element functionality O IMPS-CSP-IMSE-C-011 Support for forward message transaction O <b>Server SCR Items Tested</b> IMPS-CSP-SERV-S-002 Support of Instant Messaging Service Element functionality O

	IMPS-CSP- Support for forward message transaction IMSE-S-010	O
Tool	-	
Test code	-	
Preconditions	<p><b>Equipment:</b> 3 clients (A, B, C) / 1 server Functioning SAP with the 3 user accounts (A, B, C) existing on it</p> <p><b>Prerequisites:</b> All clients are logged in Client A supports Notify/Get delivery mechanism, Client B and C support one of the delivery mechanisms, and server supports both delivery mechanisms Client A supports Forward functionality</p>	
Test Procedure	<p>Client B composes new message (content is "Test") and specifies user A as a recipient</p> <p>Client B sends message</p> <p>Client A indicates that message notification has been received</p> <p>Client A forwards the received message to user C</p>	
Pass-Criteria	<p>Client C indicates that new message has been received</p> <p>Content of the message is "Test"</p>	

### 5.3.6 Verify the successful Delivery Report (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-IMSE-006</b>	
Test Purpose	This test is to confirm that if the Delivery Report is requested then the sender will receive a Delivery Report when the message is delivered to the recipient	
Test Object	Client and Server device	
Test Case Description	-	
Specification Reference	[CSP]	
SCR Reference	<p><b>Client SCR Items Tested</b></p> <p>IMPS-CSP- Support of Instant Messaging Service Element functionality O SERV-C-002</p> <p>IMPS-CSP- Support for delivery status report transaction O IMSE-C-010</p> <p><b>Server SCR Items Tested</b></p> <p>IMPS-CSP- Support of Instant Messaging Service Element functionality O SERV-S-002</p> <p>IMPS-CSP- Support for delivery status report transaction O IMSE-S-009</p>	

Tool	-
Test code	-
Preconditions	<p>Equipment:</p> <p>2 clients (A, B) / 1 server</p> <p>Functioning SAP with the 2 user accounts (A, B) existing on it</p> <p>Prerequisites:</p> <p>Both clients are logged in</p> <p>Both client and server support the same type of the delivery mechanism (Push or Notify/Get or both)</p> <p>Both clients and server support Delivery Report functionality</p> <p>Client A is capable of displaying a successful delivery report</p>
Test Procedure	<p>User A composes new message (content is “Test”) and specifies User B as a recipient</p> <p>User A specifies that delivery report is needed</p> <p>User A sends message</p>
Pass-Criteria	Client A visually indicates that delivery report has been received

### 5.3.7 Verify the unsuccessful Delivery Report (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-IMSE-007</b>
Test Purpose	This test confirms that if the Delivery Report is requested then the sender receives a Delivery Report with appropriate error code in case of the delivery failure
Test Object	Client and Server device
Test Case Description	-
Specification Reference	[CSP]
SCR Reference	<p><b>Client SCR Items Tested</b></p> <p>IMPS-CSP-SERV-C-002 Support of Instant Messaging Service Element functionality O</p> <p>IMPS-CSP-IMSE-C-010 Support for delivery status report transaction O</p> <p>IMPS-CSP-IMSE-C-004 Support for reject message transaction O</p> <p><b>Server SCR Items Tested</b></p> <p>IMPS-CSP-SERV-S-002 Support of Instant Messaging Service Element functionality O</p> <p>IMPS-CSP-IMSE-S-009 Support for delivery status report transaction O</p>

	IMPS-CSP- Support for reject message transaction IMSE-S-004	O
Tool	-	
Test code	-	
Preconditions	<p>Equipment:</p> <p>2 clients (A, B) / 1 server</p> <p>Functioning SAP with the 2 user accounts (A, B) existing on it</p> <p>Prerequisites:</p> <p>Both clients are logged in</p> <p>Both client and server support the same type of the delivery mechanism (Push or Notify/Get or both)</p> <p>Both clients and server support Delivery Report functionality</p> <p>Client B is capable of rejecting the message</p> <p>Server supports the Reject Message functionality</p>	
Test Procedure	<p>User A composes new message (content is “Test”) and specifies user B as a recipient</p> <p>User A specifies that delivery report is needed</p> <p>User A sends message</p> <p>User B rejects the message</p>	
Pass-Criteria	Client A visually indicates that the message has not been delivered (rejected)	

### 5.3.8 Verify the blocking of messages (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-IMSE-008</b>	
Test Purpose	This test confirms that client and server are able to block delivery of messages	
Test Object	Client and Server device	
Test Case Description	-	
Specification Reference	[CSP]	
SCR Reference	<p><b>Client SCR Items Tested</b></p> <p>IMPS-CSP- Support of Instant Messaging Service Element functionality O SERV-C-002</p> <p>IMPS-CSP- Support for block entity transaction O IMSE-C-013</p> <p><b>Server SCR Items Tested</b></p> <p>IMPS-CSP- Support of Instant Messaging Service Element functionality O SERV-S-002</p> <p>IMPS-CSP- Support for block entity transaction O IMSE-S-012</p>	

Tool	-
Test code	-
Preconditions	<p>Equipment: 2 clients (A, B) / 1 server Functioning SAP with the 2 user accounts (A, B) existing on it</p> <p>Prerequisites: Both clients are logged in Client A and server support Message Blocking functionality User A does not block User B</p>
Test Procedure	<p>User B composes new message (content is “Test”) and specifies User A as a recipient User B sends message After receiving message User A blocks User B User B composes another message (content is “Test 2”) and specifies User A as a recipient User B sends message</p>
Pass-Criteria	<p>After Action #2: Client A alerts user that new message has been received. Content of the message is “Test” After Action #5: Client A does not receive message</p>

### 5.3.9 Verify un-block of messages (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-IMSE-009</b>
Test Purpose	This test confirms that a client is able to unblock delivery of messages
Test Object	Client and Server device
Test Case Description	-
Specification Reference	[CSP]
SCR Reference	<p><b>Client SCR Items Tested</b></p> <p>IMPS-CSP-SERV-C-002 Support of Instant Messaging Service Element functionality O</p> <p>IMPS-CSP-IMSE-C-013 Support for block entity transaction O</p> <p><b>Server SCR Items Tested</b></p> <p>IMPS-CSP-SERV-S-002 Support of Instant Messaging Service Element functionality O</p> <p>IMPS-CSP-IMSE-S-012 Support for block entity transaction O</p>
Tool	-

Test code	-
Preconditions	<p><b>Equipment:</b> 2 clients (A, B) / 1 server Functioning SAP with the 2 user accounts (A, B) existing on it</p> <p><b>Prerequisites:</b> Both clients are logged in Client A and server support Message Blocking functionality User A blocks User B</p>
Test Procedure	<p>User B composes new message (content is “Test”) and specifies User A as a recipient User B sends message User A unblocks User B User B composes another message (content is “Test 2”) and specifies User A as a recipient User B sends message with different content</p>
Pass-Criteria	<p>After Action #2: Client A does not receive message After Action #5: Client A alerts user that new message has been received and content of this message is “Test 2”</p>

### 5.3.10 Verify ”tricky” characters in messages (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-IMSE-010</b>
Test Purpose	Verify that a message (including “tricky” characters) sent by one client is delivered to the other client
Test Object	Client and Server device
Test Case Description	-
Specification Reference	[CSP]
SCR Reference	<p><b>Client SCR Items Tested</b></p> <p>IMPS-CSP-      Support of Instant Messaging Service Element functionality      O SERV-C-002</p> <p>IMPS-CSP-      Support for send message transaction      O IMSE-C-002</p> <p><b>Server SCR Items Tested</b></p> <p>IMPS-CSP-      Support of Instant Messaging Service Element functionality      O SERV-S-002</p> <p>IMPS-CSP-      Support for send message transaction      O IMSE-S-002</p>
Tool	-
Test code	-

Preconditions	<p>Equipment:</p> <p>2 clients (A, B) / 1 server</p> <p>Functioning SAP with the 2 user accounts (A, B) existing on it</p> <p>Prerequisites:</p> <p>Both clients are logged in</p> <p>Both client and server support the same type of delivery mechanism (Push or Notify/Get or both)</p> <p>Client B is not blocking Client A's message.</p> <p>Client's interface allows input of these special characters</p>
Test Procedure	<p>Client A composes a message containing some non-us ASCII characters (within UTF-8), e.g. "Björnen åt bär" and sends it to User B.</p> <p>Client A composes a message containing some specials (escaped) characters like "\$", "?", "&amp;", e.g. "A &amp; B earns \$" and sends it to User B.</p> <p>Client A composes a message containing some specials characters like "/", "@", "+" and " ", e.g. "a+b/c@d" and sends it to User B.</p>
Pass-Criteria	Client B receives the 3 messages with the same content as sent.

### 5.3.11 Verify message validity period functionality and failed delivery (Includes Optional Features)

Test Case Id	IMPS-1.3-int-IMSE-011
Test Purpose	Verify message validity period functionality and failed delivery
Test Object	Client and Server device
Test Case Description	-
Specification Reference	[CSP]
SCR Reference	<p><b>Client SCR Items Tested</b></p> <p>IMPS-CSP-SERV-C-002 Support of Instant Messaging Service Element functionality O</p> <p>IMPS-CSP-IMSE-C-001 Support for setting delivery method O</p> <p>IMPS-CSP-IMSE-C-002 Support for send message transaction O</p> <p><b>Server SCR Items Tested</b></p> <p>IMPS-CSP-SERV-S-002 Support of Instant Messaging Service Element functionality O</p> <p>IMPS-CSP-IMSE-S-001 Support for setting delivery method O</p> <p>IMPS-CSP- Support for send message transaction O</p>

	IMSE-S-002
Tool	-
Test code	-
Preconditions	<p><b>Equipment:</b></p> <p>2 clients (A, B) / 1 server</p> <p>Functioning SAP with the 2 user accounts (A, B) existing on it</p> <p><b>Prerequisites:</b></p> <p>Both clients are logged in</p> <p>Client A may support ANY Transport</p> <p>Client B and Server have negotiated Notify / Get</p> <p>Client B has no waiting messages</p> <p>Client A has the ability to specify Message Validity Time (Period) and to request Delivery Reports</p> <p>Client B is not blocking Client A's message.</p>
Test Procedure	<p>Client A composes new message (content is "Time-Out") and specifies Client B as a recipient.</p> <p>Client A request to receive a Delivery Report</p> <p>Client A sets Validity Time for message to be very short.</p> <p>Client A sends the message</p> <p>Client A waits for Validity Time of first message to expire</p> <p>Client A composes new message (content is "New") and specifies Client B as recipient.</p> <p>Client A sends the message.</p> <p>Client B retrieves the message.</p>
Pass-Criteria	<p>Client A visually confirms that message (content is "Time-Out") has been sent.</p> <p>Client B shows that a new message is waiting to be retrieved (1 message)</p> <p>Client A receives a Delivery Report that message has not been delivered due to TIME-OUT (or something similar).</p> <p>Client A visually confirms that message (content is "New") has been sent.</p> <p>Client B shows that a new message is waiting to be retrieved (1 message)</p> <p>Client B retrieves message with content "New"</p> <p>NOTE: If message with "Time-out" is still available for retrieval, test case is a FAIL.</p>

### 5.3.12 Verify message failed delivery notification (Includes Optional Features)

Test Case Id	IMPS-1.3-int-IMSE-012
Test Purpose	Verify message failed delivery notification
Test Object	Client and Server device
Test Case Description	-
Specification Reference	[CSP]
SCR Reference	<p><b>Client SCR Items Tested</b></p> <p>IMPS-CSP-SERV-C-002 Support of Instant Messaging Service Element functionality O</p> <p>IMPS-CSP-IMSE-C-002 Support for send message transaction O</p> <p><b>Server SCR Items Tested</b></p> <p>IMPS-CSP-SERV-S-002 Support of Instant Messaging Service Element functionality O</p> <p>IMPS-CSP-IMSE-S-002 Support for send message transaction O</p>
Tool	-
Test code	-
Preconditions	<p>Equipment:</p> <p>2 clients (A, B) / 1 server</p> <p>Functioning SAP with the 2 user accounts (A, B) existing on it</p> <p>Prerequisites:</p> <p>Both clients are logged in</p> <p>Client A may support ANY Transport</p> <p>Client B and Server have negotiated Notify / Get</p> <p>Client B has no waiting messages</p> <p>Client A has the ability to specify Message Validity Time (Period) and to request Delivery Reports</p> <p>Client B is not blocking Client A's message.</p>
Test Procedure	<p>Client A composes new message (content is "Failed") and specifies Client B as a recipient.</p> <p>Client A request to receive a Delivery Report</p> <p>Client A sets Validity Time for message to be as short as possible.</p>

	<p>Client A sends the message</p> <p>Client B turns off or disconnects the client from the server</p>
Pass-Criteria	<p>Client A visually confirms that message (content is “Failed”) has been sent.</p> <p>Client A receives a Delivery Report that message has not been delivered due to unsuccessful MessageNotification transaction (or something similar).</p>

### 5.3.13 Verify the successful sending of formatted textual IM (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-IMSE-013</b>																							
Test Purpose	Successful sending of formatted textual IM																							
Test Object	Client and Server																							
Test Case Description	Verify the successful sending and rendering of a formatted text/plain IM.																							
Specification Reference	[CSP]: 9.2																							
SCR Reference	<p><b>Client SCR items tested:</b></p> <table border="1"> <tr> <td>IMPS-CSP-IMSE-C-002</td> <td>Support for send message transaction</td> <td>O</td> <td></td> <td></td> </tr> <tr> <td>IMPS-CSP-IMSE-C-005</td> <td>Message-Info element requirements</td> <td>O</td> <td></td> <td></td> </tr> </table> <p><b>Server SCR items tested:</b></p> <table border="1"> <tr> <td>IMPS-CSP-IMSE-S-002</td> <td>Support for send message transaction</td> <td>O</td> <td></td> <td></td> </tr> <tr> <td>IMPS-CSP-IMSE-S-005</td> <td>Message-Info element requirements</td> <td>O</td> <td></td> <td></td> </tr> </table>				IMPS-CSP-IMSE-C-002	Support for send message transaction	O			IMPS-CSP-IMSE-C-005	Message-Info element requirements	O			IMPS-CSP-IMSE-S-002	Support for send message transaction	O			IMPS-CSP-IMSE-S-005	Message-Info element requirements	O		
IMPS-CSP-IMSE-C-002	Support for send message transaction	O																						
IMPS-CSP-IMSE-C-005	Message-Info element requirements	O																						
IMPS-CSP-IMSE-S-002	Support for send message transaction	O																						
IMPS-CSP-IMSE-S-005	Message-Info element requirements	O																						
Tool	N/A																							
Test code	N/A																							
Preconditions	<ul style="list-style-type: none"> <li>• Equipment: <ul style="list-style-type: none"> <li>○ 2 Clients and 1 Server</li> </ul> </li> <li>• Prerequisites: <ul style="list-style-type: none"> <li>○ SAP with at least two User accounts (A and B) provisioned on it.</li> <li>○ User A is not in User B’s Block List, if it exists.</li> <li>○ User B is in User A’s Contact List.</li> <li>○ Client A and B are both logged in.</li> <li>○ Client A and Client B have in common the support of at least one MIME type (e.g. text/enriched or text/xhtml or other), which allows to encode IM text formatting (e.g. font color, font size, font style, etc.).</li> </ul> </li> </ul>																							

Test Procedure	<ul style="list-style-type: none"> <li>Client A sends to User B (SendMessageRequest primitive with Font element in Message-Info structure) a text-only IM containing any combination of font sizes, colours and other style elements, e.g. “<i>Hi there! Did you hear the latest news about IMPS 1.3!?</i>” (which contains red font, bigger than normal font size, bold+italics font style)</li> <li>Server receives the IM from user A and delivers it to User B preserving the formatting of the textual content.</li> <li>Client B receives the formatted IM and renders it to User B.</li> </ul>
Pass-Criteria	<ul style="list-style-type: none"> <li>On Client B, User B can see the formatted textual IM.</li> </ul>

### 5.3.14 Verify the successful sending of original name of multimedia message in IM (Includes Optional Features)

Test Case Id	IMPS-1.3-int-IMSE-014																		
Test Purpose	Successful sending of original name of multimedia message in IM																		
Test Object	Client and Server																		
Test Case Description	Verify the successful sending of the original name of a multimedia content in an IM.																		
Specification Reference	[CSP]: 5.6, 9.2																		
SCR Reference	<p><b>Client SCR items tested:</b></p> <table> <tr> <td>IMPS-CSP-IMSE-C-002</td> <td>Support for send message transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-IMSE-C-005</td> <td>Message-Info element requirements</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-SERV-C-007</td> <td>Content</td> <td>O</td> </tr> </table> <p><b>Server SCR items tested:</b></p> <table> <tr> <td>IMPS-CSP-IMSE-S-002</td> <td>Support for send message transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-IMSE-S-005</td> <td>Message-Info element requirements</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-SERV-S-007</td> <td>Content</td> <td>O</td> </tr> </table>	IMPS-CSP-IMSE-C-002	Support for send message transaction	O	IMPS-CSP-IMSE-C-005	Message-Info element requirements	O	IMPS-CSP-SERV-C-007	Content	O	IMPS-CSP-IMSE-S-002	Support for send message transaction	O	IMPS-CSP-IMSE-S-005	Message-Info element requirements	O	IMPS-CSP-SERV-S-007	Content	O
IMPS-CSP-IMSE-C-002	Support for send message transaction	O																	
IMPS-CSP-IMSE-C-005	Message-Info element requirements	O																	
IMPS-CSP-SERV-C-007	Content	O																	
IMPS-CSP-IMSE-S-002	Support for send message transaction	O																	
IMPS-CSP-IMSE-S-005	Message-Info element requirements	O																	
IMPS-CSP-SERV-S-007	Content	O																	
Tool	N/A																		
Test code	N/A																		

<p>Preconditions</p>	<ul style="list-style-type: none"> <li>• Equipment:             <ul style="list-style-type: none"> <li>○ 2 Clients and 1 Server</li> </ul> </li> <li>• Prerequisites:             <ul style="list-style-type: none"> <li>○ SAP with at least two User accounts (A and B) provisioned on it.</li> <li>○ User A is not in User B’s Block List, if it exists.</li> <li>○ User B is in User A’s Contact List.</li> <li>○ Clients A and B both successfully negotiated with Server support of some common type of multimedia content, e.g. a jpeg picture file with size 6 KB and filename “oma_logo.jpg” (see attachment) encoded with "image/jpeg" MIME type.</li> </ul> </li> </ul> <div style="text-align: center;">  </div> <ul style="list-style-type: none"> <li>○ Client A and B are both logged in.</li> </ul>
<p>Test Procedure</p>	<ul style="list-style-type: none"> <li>• Client A sends to User B (SendMessageRequest primitive with ContentName element in Message-Info structure) an IM, which contains an (end-to-end supported) multimedia object, e.g. the attached sample file (oma_logo.jpg, 6 KB).</li> <li>• Server receives the IM from Client A and delivers it to Client B preserving the original name of the media object embedded into the IM, e.g. the attached sample file (oma_logo.jpg, 6 KB).</li> <li>• Client B receives the IM and renders it to User B.</li> </ul>
<p>Pass-Criteria</p>	<ul style="list-style-type: none"> <li>• On Client B, User B can see the original name of the multimedia object embedded in the IM, e.g. “oma_logo”.</li> </ul>

### 5.3.15 Verify General Notification Mechanism (Block-List-Changed) (Includes Optional Features)

<p>Test Case Id</p>	<p><b>IMPS-1.3-int-IMSE-015</b></p>									
<p>Test Purpose</p>	<p>Verify General Notification Mechanism (Block-List-Changed)</p>									
<p>Test Object</p>	<p>Client and Server devices</p>									
<p>Test Case Description</p>	<p>User A is logged in with two Clients simultaneously (Client 1 and Client 2).          Client 2 has subscribed to the Block-List-Changed General Notification type.          When User A blocks another User B using Client 1, on Client2 User A will see the event notification.</p>									
<p>Specification Reference</p>	<p>[CSP]: 5, 6.1, 7, 7.2</p>									
<p>SCR Reference</p>	<p><b>Client SCR Items Tested</b></p> <table border="0" style="width: 100%;"> <tr> <td style="width: 20%;">IMPS-CSP-SAP-C-018</td> <td style="width: 60%;">Support for General Notification transactions</td> <td style="width: 20%; text-align: right;">O</td> </tr> <tr> <td>IMPS-CSP-IMSE-C-012</td> <td>Support for get list of blocked entities transaction</td> <td style="text-align: right;">O</td> </tr> <tr> <td>IMPS-CSP-IMSE-C-013</td> <td>Support for block entity transaction</td> <td style="text-align: right;">O</td> </tr> </table>	IMPS-CSP-SAP-C-018	Support for General Notification transactions	O	IMPS-CSP-IMSE-C-012	Support for get list of blocked entities transaction	O	IMPS-CSP-IMSE-C-013	Support for block entity transaction	O
IMPS-CSP-SAP-C-018	Support for General Notification transactions	O								
IMPS-CSP-IMSE-C-012	Support for get list of blocked entities transaction	O								
IMPS-CSP-IMSE-C-013	Support for block entity transaction	O								

	<p>IMPS-CSP-SAP-C-005 Support of multiple concurrent sessions O</p> <p><b>Server SCR Items Tested</b></p> <p>IMPS-CSP-SAP-S-018 Support for General Notification transactions O</p> <p>IMPS-CSP-IMSE-S-011 Support for get list of blocked entities transaction O</p> <p>IMPS-CSP-IMSE-S-012 Support for block entity transaction O</p> <p>IMPS-CSP-SAP-S-005 Support of multiple concurrent sessions O</p>
Tool	-
Test code	-
Preconditions	<p>Equipment:</p> <ul style="list-style-type: none"> <li>2 clients and 1 server</li> </ul> <p>Prerequisites:</p> <ul style="list-style-type: none"> <li>Functioning SAP with at least 2 accounts (User A and User B)</li> <li>Client1, Client2 and Server support Get list of blocked entities transaction, and block entity transaction</li> <li>Client1 and Client2 are both simultaneously logged in as UserA (two different ClientIDs)</li> <li>Client2 has subscribed to the "Block-List-Changed" General Notification type</li> <li>UserB is NOT in UserA's blocklist</li> </ul>
Test Procedure	<ul style="list-style-type: none"> <li>Client2 requests to the Server and displays UserA's blocklist</li> <li>Client1 blocks UserB</li> </ul>
Pass-Criteria	<ul style="list-style-type: none"> <li>Client2 displays UserB in UserA's blocklist</li> </ul>

### 5.3.16 Verify Client and Server end-to-end messaging using ContactList-ID Recipient

Test Case Id	<b>IMPS-1.3-int-IMSE-016</b>
Test Purpose	Verify Client and Server end-to-end messaging using ContactList-ID Recipient.
Test Object	Client and Server device
Test Case Description	-An IM sent to a Contact List is correctly routed to all the recipients.
Specification Reference	-[CSP] 5.5
SCR Reference	<p>Client SCR Items Tested</p> <p>SERV-C-006 Routing M</p>



## 5.4 IMPS-1.3-int-GRSE

### 5.4.1 Verify the Join Group functionality (not authorised to join group) (Includes Optional Features)

Test Case Id	IMPS-1.3-int-GRSE-001
Test Purpose	Verify the Join Group functionality (not authorised to join group)
Test Object	Client and Server device
Test Case Description	-
Specification Reference	[CSP]
SCR Reference	<p><b>Client SCR Items Tested</b></p> <p>IMPS-CSP-SERV-C-004 Support of Group Service Element functionality O</p> <p>IMPS-CSP-GRSE-C-011 Support for join group transaction O</p> <p><b>Server SCR Items Tested</b></p> <p>IMPS-CSP-SERV-S-004 Support of Group Service Element functionality O</p> <p>IMPS-CSP-GRSE-S-011 Support for join group transaction O</p>
Tool	-
Test code	-
Preconditions	<p>Equipment:</p> <p>1 client / 1 server</p> <p>Functioning SAP with at least 1 user account existing on it</p> <p>Prerequisites:</p> <p>Existing Restricted group that client is not authorized to join.</p> <p>Client provides a way to specify a group by name</p>
Test Procedure	Client attempts to join the group, which it is not authorized to join.
Pass-Criteria	Server reports an error and client notifies user about not allowed to join group (not authorised to join group).

### 5.4.2 Verify the Leave Group functionality (Includes Optional Features)

Test Case Id	IMPS-1.3-int-GRSE-002
Test Purpose	Verify the Leave Group functionality
Test Object	Client and Server device

Test Case Description	-
Specification Reference	[CSP]
SCR Reference	<p><b>Client SCR Items Tested</b></p> <p>IMPS-CSP-SERV-C-004 Support of Group Service Element functionality O</p> <p>IMPS-CSP-GRSE-C-12 Support for leave group transaction O</p> <p><b>Server SCR Items Tested</b></p> <p>IMPS-CSP-SERV-S-004 Support of Group Service Element functionality O</p> <p>IMPS-CSP-GRSE-S-12 Support for leave group transaction O</p>
Tool	-
Test code	-
Preconditions	<p><b>Equipment:</b></p> <p>2 clients (A, B) / 1 server</p> <p>Functioning SAP with at least 2 user accounts existing on it</p> <p><b>Prerequisites:</b></p> <p>Both clients are logged in</p> <p>Existing Open or Restricted group that both clients are authorized to join.</p> <p>Client A provides a way to specify a group by name</p> <p>Both clients have joined the group</p> <p>Both clients support groups</p>
Test Procedure	<p>Client B send group message (content is “Test”)</p> <p>Client A leaves the group</p> <p>Client B send group message (content is “Test 2”)</p> <p>Client A joins the group</p> <p>Client B send group message (content is “Test 3”)</p>
Pass-Criteria	<p>After Action #1: Client A indicated that new group message has been received and content of the message is “Test”</p> <p>After Action #3: Client A does not receive message “Test 2”</p> <p>After Action #5: Client A indicated that new group message has been received and content of the message is “Test 3”</p>

### 5.4.3 Verify sending message to group (either Private or Public) (Includes Optional Features)

Test Case Id	IMPS-1.3-int-GRSE-003																		
Test Purpose	Verify sending message to group (either Private or Public)																		
Test Object	Client and Server device																		
Test Case Description	-																		
Specification Reference	[CSP]																		
SCR Reference	<p><b>Client SCR Items Tested</b></p> <table> <tr> <td>IMPS-CSP-SERV-C-004</td> <td>Support of Group Service Element functionality</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-GRSE-C-11</td> <td>Support for join group transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-IMSE-C-002</td> <td>Support for send message transaction</td> <td>O</td> </tr> </table> <p><b>Server SCR Items Tested</b></p> <table> <tr> <td>IMPS-CSP-SERV-S-004</td> <td>Support of Group Service Element functionality</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-GRSE-S-11</td> <td>Support for join group transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-IMSE-S-002</td> <td>Support for send message transaction</td> <td>O</td> </tr> </table>	IMPS-CSP-SERV-C-004	Support of Group Service Element functionality	O	IMPS-CSP-GRSE-C-11	Support for join group transaction	O	IMPS-CSP-IMSE-C-002	Support for send message transaction	O	IMPS-CSP-SERV-S-004	Support of Group Service Element functionality	O	IMPS-CSP-GRSE-S-11	Support for join group transaction	O	IMPS-CSP-IMSE-S-002	Support for send message transaction	O
IMPS-CSP-SERV-C-004	Support of Group Service Element functionality	O																	
IMPS-CSP-GRSE-C-11	Support for join group transaction	O																	
IMPS-CSP-IMSE-C-002	Support for send message transaction	O																	
IMPS-CSP-SERV-S-004	Support of Group Service Element functionality	O																	
IMPS-CSP-GRSE-S-11	Support for join group transaction	O																	
IMPS-CSP-IMSE-S-002	Support for send message transaction	O																	
Tool	-																		
Test code	-																		
Preconditions	<p><b>Equipment:</b></p> <p>2 clients (A &amp; B) / 1 Server</p> <p>Functioning SAP with at least 2 user accounts existing on it</p> <p><b>Prerequisites:</b></p> <p>All clients are logged in</p> <p>Server has at least one Public or Private Group on it</p> <p>Clients A and B are joined to the same Public or Private Group with Screen Names that are NOT their userids</p>																		
Test Procedure	<p>Client A sends message to the group "Message"</p> <p>Client B sends message to the group "Response"</p>																		
Pass-Criteria	Client B receives and displays "Message" from Client A as identified by Screen Name (NOT USER-ID)																		

	<p>Client A receives and displays “Response” from Client B as identified by Screen Name (NOT USER-ID)</p> <p>NOTE: If either Client A or B receives the message they sent, the test case is a FAIL.</p>
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### 5.4.4 Verify sending PRIVATE message to a member of a group (either Private or Public) (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-GRSE-004</b>																		
Test Purpose	Verify sending PRIVATE message to a member of a group (either Private or Public)																		
Test Object	Client and Server device																		
Test Case Description	-																		
Specification Reference	[CSP]																		
SCR Reference	<p><b>Client SCR Items Tested</b></p> <table border="0"> <tr> <td>IMPS-CSP-SERV-C-004</td> <td>Support of Group Service Element functionality</td> <td style="text-align: right;">O</td> </tr> <tr> <td>IMPS-CSP-GRSE-C-11</td> <td>Support for join group transaction</td> <td style="text-align: right;">O</td> </tr> <tr> <td>IMPS-CSP-IMSE-C-002</td> <td>Support for send message transaction</td> <td style="text-align: right;">O</td> </tr> </table> <p><b>Server SCR Items Tested</b></p> <table border="0"> <tr> <td>IMPS-CSP-SERV-S-004</td> <td>Support of Group Service Element functionality</td> <td style="text-align: right;">O</td> </tr> <tr> <td>IMPS-CSP-GRSE-S-11</td> <td>Support for join group transaction</td> <td style="text-align: right;">O</td> </tr> <tr> <td>IMPS-CSP-IMSE-S-002</td> <td>Support for send message transaction</td> <td style="text-align: right;">O</td> </tr> </table>	IMPS-CSP-SERV-C-004	Support of Group Service Element functionality	O	IMPS-CSP-GRSE-C-11	Support for join group transaction	O	IMPS-CSP-IMSE-C-002	Support for send message transaction	O	IMPS-CSP-SERV-S-004	Support of Group Service Element functionality	O	IMPS-CSP-GRSE-S-11	Support for join group transaction	O	IMPS-CSP-IMSE-S-002	Support for send message transaction	O
IMPS-CSP-SERV-C-004	Support of Group Service Element functionality	O																	
IMPS-CSP-GRSE-C-11	Support for join group transaction	O																	
IMPS-CSP-IMSE-C-002	Support for send message transaction	O																	
IMPS-CSP-SERV-S-004	Support of Group Service Element functionality	O																	
IMPS-CSP-GRSE-S-11	Support for join group transaction	O																	
IMPS-CSP-IMSE-S-002	Support for send message transaction	O																	
Tool	-																		
Test code	-																		
Preconditions	<p><b>Equipment:</b></p> <p>3 clients (A/B/C) / 1 Server</p> <p>Functioning SAP with at least 3 user accounts existing on it</p> <p><b>Prerequisites:</b></p> <p>All clients are logged in</p> <p>Server has at least one Public or Private Group on it</p> <p>Clients A, B, and C are joined to the same Public or Private Group with Screen Names that are NOT their userids</p>																		

	The group has Private Messaging enabled Client A is able to send Private messages
Test Procedure	Client A sends a private message to Client B with content "Private"
Pass-Criteria	Client B receives and displays the message with content "Private" from Client A as identified by Screen Name (NOT USER-ID) Client C does not receive nor is notified of the private message.

### 5.4.5 Verify the Join Group functionality for public group (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-GRSE-005</b>																		
Test Purpose	Verify the Join Group functionality for public group																		
Test Object	Client and Server device																		
Test Case Description	-																		
Specification Reference	[CSP]																		
SCR Reference	<p><b>Client SCR Items Tested</b></p> <table border="0"> <tr> <td>IMPS-CSP-SERV-C-004</td> <td>Support of Group Service Element functionality</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-GRSE-C-11</td> <td>Support for join group transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-IMSE-C-002</td> <td>Support for send message transaction</td> <td>O</td> </tr> </table> <p><b>Server SCR Items Tested</b></p> <table border="0"> <tr> <td>IMPS-CSP-SERV-S-004</td> <td>Support of Group Service Element functionality</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-GRSE-S-11</td> <td>Support for join group transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-IMSE-S-002</td> <td>Support for send message transaction</td> <td>O</td> </tr> </table>	IMPS-CSP-SERV-C-004	Support of Group Service Element functionality	O	IMPS-CSP-GRSE-C-11	Support for join group transaction	O	IMPS-CSP-IMSE-C-002	Support for send message transaction	O	IMPS-CSP-SERV-S-004	Support of Group Service Element functionality	O	IMPS-CSP-GRSE-S-11	Support for join group transaction	O	IMPS-CSP-IMSE-S-002	Support for send message transaction	O
IMPS-CSP-SERV-C-004	Support of Group Service Element functionality	O																	
IMPS-CSP-GRSE-C-11	Support for join group transaction	O																	
IMPS-CSP-IMSE-C-002	Support for send message transaction	O																	
IMPS-CSP-SERV-S-004	Support of Group Service Element functionality	O																	
IMPS-CSP-GRSE-S-11	Support for join group transaction	O																	
IMPS-CSP-IMSE-S-002	Support for send message transaction	O																	
Tool	-																		
Test code	-																		
Preconditions	<p><b>Equipment:</b> 2 clients (A, B) / 1 server Functioning SAP with at least 2 user accounts existing on it</p> <p><b>Prerequisites:</b> Both clients are logged in Existing public open group</p>																		

	Client provides a way to specify a group by name Both clients support public groups
Test Procedure	Client A joins the group Client B joins the group Client A sends group message (content is “Test”) to the group
Pass-Criteria	After Action # 2: Both clients have joined the group After Action #3: Client B indicated that new group message has been received, the sender is shown to be Client A’s Screen Name, and the content of the message is “Test”

### 5.4.6 Verify the Create Group functionality (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-GRSE-006</b>
Test Purpose	Verify Create Group Functionality
Test Object	Client and Server device
Test Case Description	-
Specification Reference	[CSP]
SCR Reference	<p><b>Client SCR Items Tested</b></p> <p>IMPS-CSP-SERV-C-004 Support of Group Service Element functionality O</p> <p>IMPS-CSP-GRSE-C-001 Support for group creation transaction O</p> <p>IMPS-CSP-GRSE-C-011 Support for join group transaction O</p> <p><b>Server SCR Items Tested</b></p> <p>IMPS-CSP-SERV-S-004 Support of Group Service Element functionality O</p> <p>IMPS-CSP-GRSE-S-001 Support for group creation transaction O</p> <p>IMPS-CSP-GRSE-S-011 Support for join group transaction O</p>
Tool	-
Test code	-
Preconditions	<p>Equipment:</p> <p>2 clients (A, B) / 1 server</p> <p>Functioning SAP with at least 2 user accounts existing on it</p> <p>Prerequisites:</p> <p>Both server and Client A support Create Group functionality</p>

	Both clients provide a way to specify a group by name Both clients are logged in Both clients support private groups
Test Procedure	Client A creates private open group named "Friends" Client A joins group "Friends" Client B joins group "Friends"
Pass-Criteria	Both clients have successfully joined the group which is visualized in both client's user interfaces

### 5.4.7 Verify the Welcome Note functionality (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-GRSE-007</b>
Test Purpose	Verify the Welcome Note functionality
Test Object	Client and Server device
Test Case Description	-
Specification Reference	[CSP]
SCR Reference	<p><b>Client SCR Items Tested</b></p> <p>IMPS-CSP-      Support of Group Service Element functionality      O SERV-C-004</p> <p>IMPS-CSP-      Support for join group transaction      O GRSE-C-011</p> <p><b>Server SCR Items Tested</b></p> <p>IMPS-CSP-      Support of Group Service Element functionality      O SERV-S-004</p> <p>IMPS-CSP-      Support for join group transaction      O GRSE-S-011</p>
Tool	-
Test code	-
Preconditions	<p><b>Equipment:</b></p> <p>1 client / 1 server</p> <p>Functioning SAP with at least 1 user account existing on it</p> <p><b>Prerequisites:</b></p> <p>Clients are logged in</p> <p>Existing Open or Restricted group that client is authorized to join.</p> <p>Welcome note of the group is not empty</p> <p>Client is able to display a welcome text</p>

	Client provides a way to specify a group by name
Test Procedure	Client joins the group
Pass-Criteria	Client receives and displays a welcome note assigned to the group

#### 5.4.8 Verify the Join Group functionality (non-existing group) (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-GRSE-008</b>
Test Purpose	Verify the Join Group functionality (non-existing group)
Test Object	Client and Server device
Test Case Description	-
Specification Reference	[CSP]
SCR Reference	<p><b>Client SCR Items Tested</b></p> <p>IMPS-CSP-SERV-C-004 Support of Group Service Element functionality O</p> <p>IMPS-CSP-GRSE-C-011 Support for join group transaction O</p> <p><b>Server SCR Items Tested</b></p> <p>IMPS-CSP-SERV-S-004 Support of Group Service Element functionality O</p> <p>IMPS-CSP-GRSE-S-011 Support for join group transaction O</p>
Tool	-
Test code	-
Preconditions	<p>Equipment:</p> <p>1 client / 1 server</p> <p>Functioning SAP with at least 1 user account existing on it</p> <p>Prerequisites:</p> <p>Client provides a way to specify a group by name</p>
Test Procedure	Client attempts to join the group, using the name that does not exist.
Pass-Criteria	Server reports an error and client notifies user about invalid group.

#### 5.4.9 Verify the Group Change Notice Functionality (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-GRSE-009</b>
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Test Purpose	Verify the Group Change Notice Functionality																								
Test Object	Client and Server device																								
Test Case Description	-																								
Specification Reference	[CSP]																								
SCR Reference	<p><b>Client SCR Items Tested</b></p> <table border="0"> <tr> <td>IMPS-CSP-SERV-C-004</td> <td>Support of Group Service Element functionality</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-GRSE-C-011</td> <td>Support for join group transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-GRSE-C-010</td> <td>Support for group change notification transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-GRSE-C-012</td> <td>Support for leave group transaction</td> <td>O</td> </tr> </table> <p><b>Server SCR Items Tested</b></p> <table border="0"> <tr> <td>IMPS-CSP-SERV-S-004</td> <td>Support of Group Service Element functionality</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-GRSE-S-011</td> <td>Support for join group transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-GRSE-S-010</td> <td>Support for group change notification transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-GRSE-S-012</td> <td>Support for leave group transaction</td> <td>O</td> </tr> </table>	IMPS-CSP-SERV-C-004	Support of Group Service Element functionality	O	IMPS-CSP-GRSE-C-011	Support for join group transaction	O	IMPS-CSP-GRSE-C-010	Support for group change notification transaction	O	IMPS-CSP-GRSE-C-012	Support for leave group transaction	O	IMPS-CSP-SERV-S-004	Support of Group Service Element functionality	O	IMPS-CSP-GRSE-S-011	Support for join group transaction	O	IMPS-CSP-GRSE-S-010	Support for group change notification transaction	O	IMPS-CSP-GRSE-S-012	Support for leave group transaction	O
IMPS-CSP-SERV-C-004	Support of Group Service Element functionality	O																							
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IMPS-CSP-SERV-S-004	Support of Group Service Element functionality	O																							
IMPS-CSP-GRSE-S-011	Support for join group transaction	O																							
IMPS-CSP-GRSE-S-010	Support for group change notification transaction	O																							
IMPS-CSP-GRSE-S-012	Support for leave group transaction	O																							
Tool	-																								
Test code	-																								
Preconditions	<p><b>Equipment:</b>                  2 clients (A, B) / 1 server                  Functioning SAP with at least 2 user accounts existing on it</p> <p><b>Prerequisites:</b>                  An existing Open or Restricted group that all clients are authorized to join.                  All clients provide a way to specify a group by name                  Client A and server support group change notifications</p>																								
Test Procedure	<p>Client A joins the chat group with subscribe notification flag set to TRUE.                  Client B joins the chat group                  Client B leaves chat group                  Client B re-joins the group</p>																								
Pass-Criteria	<p>Client A receives group change notification when Client B joins                  Client A receives group change notification when Client B leaves                  Client A receives group change notification when Client B re-joins</p>																								

### 5.4.10 Verify the Delete Group feature (Includes Optional Features)

Test Case Id	IMPS-1.3-int-GRSE-010												
Test Purpose	Verify the Delete Group feature												
Test Object	Client and Server device												
Test Case Description	-												
Specification Reference	[CSP]												
SCR Reference	<p><b>Client SCR Items Tested</b></p> <table> <tr> <td>IMPS-CSP-SERV-C-004</td> <td>Support of Group Service Element functionality</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-GRSE-C-002</td> <td>Support for group deletion transaction</td> <td>O</td> </tr> </table> <p><b>Server SCR Items Tested</b></p> <table> <tr> <td>IMPS-CSP-SERV-S-004</td> <td>Support of Group Service Element functionality</td> <td>O</td> </tr> <tr> <td>IMPS-CSP—S-GRSE-002</td> <td>Support for group deletion transaction</td> <td>O</td> </tr> </table>	IMPS-CSP-SERV-C-004	Support of Group Service Element functionality	O	IMPS-CSP-GRSE-C-002	Support for group deletion transaction	O	IMPS-CSP-SERV-S-004	Support of Group Service Element functionality	O	IMPS-CSP—S-GRSE-002	Support for group deletion transaction	O
IMPS-CSP-SERV-C-004	Support of Group Service Element functionality	O											
IMPS-CSP-GRSE-C-002	Support for group deletion transaction	O											
IMPS-CSP-SERV-S-004	Support of Group Service Element functionality	O											
IMPS-CSP—S-GRSE-002	Support for group deletion transaction	O											
Tool	-												
Test code	-												
Preconditions	<p><b>Equipment:</b></p> <p>2 clients (A, B) / 1 server</p> <p>Functioning SAP with at least 2 user accounts existing on it</p> <p><b>Prerequisites:</b></p> <p>Both clients are logged in.</p> <p>An existing Open or Restricted group that all clients are authorized to join.</p> <p>User A has a right to delete group.</p> <p>Client A and server support the Delete Group functionality.</p> <p>Client B provides a way to specify a group by name.</p>												
Test Procedure	<p>Client B joins the group</p> <p>Client A deletes the group</p> <p>Client B tries to join the group again</p>												
Pass-Criteria	<p>After action #2: Verify that group is deleted on clients</p> <p>[Optional] Client B shows leave group reason</p> <p>After action #3: Server reports an error when Client B attempts to join the group and client notifies user about invalid group.</p>												

### 5.4.11 Verify the Group Invitations feature when not blocked (Includes Optional Features)

Test Case Id	IMPS-1.3-int-GRSE-011
Test Purpose	Verify the Group Invitations feature when not blocked.
Test Object	Client and Server device
Test Case Description	-
Specification Reference	[CSP]
SCR Reference	<p><b>Client SCR Items Tested</b></p> <p>IMPS-CSP-SERV-C-004 Support of Group Service Element functionality O</p> <p>IMPS-CSP-SAP-C-027 Support for invitation transaction O</p> <p><b>Server SCR Items Tested</b></p> <p>IMPS-CSP-SERV-S-004 Support of Group Service Element functionality O</p> <p>IMPS-CSP-SAP-S-027 Support for invitation transaction O</p> <p>IMPS-CSP-INVIT-C-001 The client accepts or declines a received invitation. O</p>
Tool	-
Test code	-
Preconditions	<p><b>Equipment:</b></p> <p>2 clients (A, B) / 1 server</p> <p>Functioning SAP with at least 2 user accounts existing on it</p> <p><b>Prerequisites:</b></p> <p>Both clients are logged in</p> <p>An existing Open or Restricted group that all clients are authorized to join on the server</p> <p>Both clients and server support invitation functionality</p> <p>Client A supports the ability to send an invitation</p> <p>Client A is able to join any group (provides a way to enter a group name)</p> <p>Client B is not blocking Client A's invitations.</p>
Test Procedure	<p>Client A joins the group</p> <p>Client A send an invitation to join the group to Client B</p>
Pass-Criteria	Client B receives an invitation and displays it

### 5.4.12 Verify the Private Group functionality when not blocked – Invitations, Create, Join, Leave, - Accept (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-GRSE-012</b>																																				
Test Purpose	Verify the Private Group functionality when not blocked – Invitations, Create, Join, Leave, - Accept																																				
Test Object	Client and Server device																																				
Test Case Description	-																																				
Specification Reference	[CSP]																																				
SCR Reference	<p><b>Client SCR Items Tested</b></p> <table> <tr> <td>IMPS-CSP-SERV-C-004</td> <td>Support of Group Service Element functionality</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-SAP-C-027</td> <td>Support for invitation transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-GRSE-C-001</td> <td>Support for group creation transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-GRSE-C-011</td> <td>Support for join group transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-GRSE-C-012</td> <td>Support for leave group transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-INVIT-C-001</td> <td>The client accepts or declines a received invitation.</td> <td>O</td> </tr> </table> <p><b>Server SCR Items Tested</b></p> <table> <tr> <td>IMPS-CSP-SERV-S-004</td> <td>Support of Group Service Element functionality</td> <td>O</td> </tr> <tr> <td>IMPS-CSP—S-SAP-C-027</td> <td>Support for invitation transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-GRSE-S-001</td> <td>Support for group creation transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-GRSE-S-004</td> <td>Support for set group properties transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-GRSE-S-011</td> <td>Support for join group transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-GRSE-S-012</td> <td>Support for leave group transaction</td> <td>O</td> </tr> </table>	IMPS-CSP-SERV-C-004	Support of Group Service Element functionality	O	IMPS-CSP-SAP-C-027	Support for invitation transaction	O	IMPS-CSP-GRSE-C-001	Support for group creation transaction	O	IMPS-CSP-GRSE-C-011	Support for join group transaction	O	IMPS-CSP-GRSE-C-012	Support for leave group transaction	O	IMPS-CSP-INVIT-C-001	The client accepts or declines a received invitation.	O	IMPS-CSP-SERV-S-004	Support of Group Service Element functionality	O	IMPS-CSP—S-SAP-C-027	Support for invitation transaction	O	IMPS-CSP-GRSE-S-001	Support for group creation transaction	O	IMPS-CSP-GRSE-S-004	Support for set group properties transaction	O	IMPS-CSP-GRSE-S-011	Support for join group transaction	O	IMPS-CSP-GRSE-S-012	Support for leave group transaction	O
IMPS-CSP-SERV-C-004	Support of Group Service Element functionality	O																																			
IMPS-CSP-SAP-C-027	Support for invitation transaction	O																																			
IMPS-CSP-GRSE-C-001	Support for group creation transaction	O																																			
IMPS-CSP-GRSE-C-011	Support for join group transaction	O																																			
IMPS-CSP-GRSE-C-012	Support for leave group transaction	O																																			
IMPS-CSP-INVIT-C-001	The client accepts or declines a received invitation.	O																																			
IMPS-CSP-SERV-S-004	Support of Group Service Element functionality	O																																			
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IMPS-CSP-GRSE-S-011	Support for join group transaction	O																																			
IMPS-CSP-GRSE-S-012	Support for leave group transaction	O																																			
Tool	-																																				
Test code	-																																				
Preconditions	Equipment: 3 clients (A, B, C) / 1 Server																																				

	<p>Functioning SAP with at least 3 user accounts existing on it</p> <p><b>Prerequisites:</b></p> <p>All clients are logged in</p> <p>Client A and server support create group functionality</p> <p>Client A supports the ability to send an invitation</p> <p>All clients and server support invitation functionality</p> <p>Client and Server support SERV-C/S-2</p> <p>All clients support private groups</p> <p>Clients B and C are not blocking Client A’s invitations</p>
Test Procedure	<p>Client A creates a new private open or restricted group</p> <p>Client A joins the group</p> <p>If the created group is restricted, Client A adds Client B and C as the members of the restricted group so that they are allowed to join the group.</p> <p>Client A sends an invitation to join the group to Client B and C</p> <p>Client B and C joins the group</p> <p>Client A sends message to the group</p> <p>Client B sends message to the group</p> <p>Client B leaves the group</p> <p>Client A sends message to the group</p>
Pass-Criteria	<p>After action #3: Client B and C receive invitation and displays it</p> <p>After action #5: Client B and C receive the message</p> <p>After action #6: Client A and C receive the message</p> <p>After action #8: Verify that only client C receives the message</p>

### 5.4.13 Verify the Group Invitations feature – Reject (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-GRSE-013</b>						
Test Purpose	Verify the Group Invitations feature – Reject						
Test Object	Client and Server device						
Test Case Description	-						
Specification Reference	[CSP]						
SCR Reference	<p><b>Client SCR Items Tested</b></p> <table> <tr> <td>IMPS-CSP-SERV-C-004</td> <td>Support of Group Service Element functionality</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-SAP-C-027</td> <td>Support for invitation transaction</td> <td>O</td> </tr> </table>	IMPS-CSP-SERV-C-004	Support of Group Service Element functionality	O	IMPS-CSP-SAP-C-027	Support for invitation transaction	O
IMPS-CSP-SERV-C-004	Support of Group Service Element functionality	O					
IMPS-CSP-SAP-C-027	Support for invitation transaction	O					

	<p>IMPS-CSP- INVIT-C-001      The client accepts or declines a received invitation.      O</p> <p><b>Server SCR Items Tested</b></p> <p>IMPS-CSP- SERV-S-004      Support of Group Service Element functionality      O</p> <p>IMPS-CSP- SAP-S-027      Support for invitation transaction      O</p>
Tool	-
Test code	-
Preconditions	<p><b>Equipment:</b></p> <p>2 clients (A, B) / 1 Server</p> <p>Functioning SAP with at least 2 user accounts existing on it</p> <p><b>Prerequisites:</b></p> <p>A group is existing on the server</p> <p>Client A supports the ability to send an invitation</p> <p>Client A has joined the group</p> <p>Both clients are logged in</p> <p>Both clients and server support invitation functionality</p> <p>Both clients support groups</p> <p>Both clients can send a RejectListRequest message</p> <p>Client B is not blocking Client A's invitations.</p>
Test Procedure	<p>Client A sends an invitation to join the group to Client B</p> <p>Client B rejects the invitation</p>
Pass-Criteria	<p>Client B receives invitation and displays it</p> <p>Client A displays invitation rejection</p>

#### 5.4.14 Verify the Group Search functionality (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-GRSE-014</b>
Test Purpose	Verify the Group Search functionality
Test Object	Client and Server device
Test Case Description	-
Specification Reference	[CSP]
SCR Reference	<p><b>Client SCR Items Tested</b></p> <p>IMPS-CSP- SAP-C-025      Support for searching based on various group properties      O</p>

	<p><b>Server SCR Items Tested</b></p> <p>IMPS-CSP-      Support for searching based on various group properties      O SAP-S-025</p>
Tool	-
Test code	-
Preconditions	<p><b>Equipment:</b> 1 clients / 1 server Functioning SAP with 1 user accounts existing on it</p> <p><b>Prerequisites:</b> Client is logged in on server Existing public open group exists in server Client and server support group search based on part of the group name, part of the group id or part of the group topic. Client supports public groups</p>
Test Procedure	<p>Search for a group using part of the group name, part of the group id or part of the group topic Client joins the group</p>
Pass-Criteria	Client finds the group for given search criteria.

### 5.4.15 Verify the Get Joined Users feature (Includes Optional Features)

Test Case Id	IMPS-1.3-int-GRSE-015
Test Purpose	Verify the Get Joined Users feature
Test Object	Client and Server device
Test Case Description	-
Specification Reference	[CSP]
SCR Reference	<p><b>Client SCR Items Tested</b></p> <p>IMPS-CSP-      Support of Group Service Element functionality      O SERV-C-004</p> <p>IMPS-CSP-      Support for get joined users transaction      O GRSE-C-014</p> <p><b>Server SCR Items Tested</b></p> <p>IMPS-CSP-      Support of Group Service Element functionality      O SERV-S-004</p> <p>IMPS-CSP-      Support for get joined users transaction      O GRSE-S-014</p>

Tool	-
Test code	-
Preconditions	<p>Equipment: 2 clients (A, B) / 1 Server Functioning SAP with at least 2 user accounts existing on it</p> <p>Prerequisites: Client A and server support the ability to get joined users for a group Both clients are logged in Both clients join the same group</p>
Test Procedure	Client A requests the joined users for the group
Pass-Criteria	Client A's user interface shows User A and User B joined to the group

### 5.4.16 Verify the Server Initiated Leave Group functionality (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-GRSE-016</b>
Test Purpose	Verify the Server Initiated Leave Group functionality
Test Object	Client and Server device
Test Case Description	-
Specification Reference	[CSP]
SCR Reference	<p><b>Client SCR Items Tested</b></p> <p>IMPS-CSP-SERV-C-004 Support of Group Service Element functionality O</p> <p>IMPS-CSP-GRSE-C-012 Support for leave group transaction O</p> <p><b>Server SCR Items Tested</b></p> <p>IMPS-CSP-SERV-S-004 Support of Group Service Element functionality O</p> <p>IMPS-CSP-GRSE-S-012 Support for leave group transaction O</p>
Tool	-
Test code	-
Preconditions	<p>Equipment: 2 clients (A &amp; B) / 1 Server Functioning SAP with at least 2 user accounts existing on it</p>

	<p>Prerequisites:</p> <p>All clients are logged in</p> <p>Server has at least one Public Group on it</p> <p>Clients A and B are able to join a Public Group</p> <p>Clients A and B are joined to the same Public Group</p> <p>Server has to be able to manually force a Client out of Public Group</p> <p>All Clients and Server support SERV-C/S-2</p>
Test Procedure	<p>Client A sends message to the group “Message”</p> <p>Client B sends message to the group “Response”</p> <p>Server forces Client A to leave the group with Reason-Code of “Goodbye”</p> <p>Client B sends message to the group “Second”</p> <p>Optional: Client A sends message to the group “Error” (UI may not allow)</p>
Pass-Criteria	<p>Client B receives and displays “Message” from Client A</p> <p>Client A receives and displays “Response” from Client B</p> <p>Optional: Client A shows leave group message and Reason-Code of “Goodbye”</p> <p>Client A does not receive nor displays the message “Second” from Client B</p> <p>Client A receives an error that it is not part of the group.</p>

#### 5.4.17 Verify the Group AutoJoin functionality (Public Group) (Includes Optional Features)

Test Case Id	IMPS-1.3-int-GRSE-017
Test Purpose	Verify the Group AutoJoin functionality (Private Group)
Test Object	Client and Server device
Test Case Description	-
Specification Reference	[CSP] 10.1.5

SCR Reference	<p><b>Client SCR Items Tested</b></p> <p>IMPS-CSP- GRSE-C-011 Support for join group transaction O</p> <p><b>Server SCR Items Tested</b></p> <p>IMPS-CSP- GRSE-S-011 Support for join group transaction O</p>
Tool	-
Test code	-
Preconditions	<p><b>Equipment:</b></p> <p>2 clients (A &amp; B) / 1 Server</p> <p>Functioning SAP with at least 2 user accounts existing on it</p> <p><b>Prerequisites:</b></p> <p>Clients A and B are able to join a Public Group</p> <p>Client B has joined the Public group</p> <p>Client A is able and has to set Group Property Auto-Join to “T”</p> <p>Client A and Server support AutoJoin</p> <p>Client A is not logged in</p>
Test Procedure	<p>Client A logs into Server</p> <p>Client A sends message to the group “Message”</p> <p>Client B sends message to the group “Response”</p>
Pass-Criteria	<p>Optional: Client A receives join group notification and Welcome message</p> <p>Client B receives and displays “Message” from Client A</p> <p>Client A receives and displays “Response” from Client B</p>

**5.4.18 Verify the Group AutoJoin does not take place when client does not support Group functionality (Public Group) (Includes Optional Features)**

Test Case Id	IMPS-1.3-int-GRSE-018
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Test Purpose	Verify the Group AutoJoin does not take place when client does not support Group functionality (Public Group)
Test Object	Client and Server device
Test Case Description	-
Specification Reference	[CSP]
SCR Reference	<p><b>Client SCR Items Tested</b></p> <p>IMPS-CSP-      Support of Group Service Element functionality      O SERV-C-004  (Client B)</p> <p><b>Server SCR Items Tested</b></p> <p>IMPS-CSP-      Support of Group Service Element functionality      O SERV-S-004</p>
Tool	-
Test code	-
Preconditions	<p><b>Equipment:</b></p> <p>2 clients (A &amp; B) / 1 Server</p> <p>Functioning SAP with at least 2 user accounts existing on it</p> <p><b>Prerequisites:</b></p> <p>Server has at least one Public Group on it</p> <p>Server sets Group Property Auto-Join to “T”</p> <p>Client B is able to join Public Groups</p> <p>Client A does not support Groups (IMPS-CSP-SERV-C-004)</p> <p>Clients A and B are members to the Public Group (added by Server)</p> <p>Client B logged in and joined to Public Group</p> <p>All Clients and Server support IMPS-CSP-SERV-C/S-002</p> <p>Client A is not logged in</p>
Test Procedure	<p>Client A logs into Server</p> <p>Client B sends message to the group “Message”</p>
Pass-Criteria	Client A does not receive nor displays “Message” from Client B

## 5.4.19 Verify the Group Max Active Users functionality (Includes Optional Features)

Test Case Id	<b>IMPS-1.2-int-GRSE-019</b>																		
Test Purpose	Verify group Max Active Users functionality.																		
Test Object	Client and Server device																		
Test Case Description	Verify that when the number of members trying to join a Group exceeds the upper limit specified in the Group properties, the Server enforces the Max Active Users policy.																		
Specification Reference	[CSP]: 10.1																		
SCR Reference	<p><b>Client SCR Items Tested</b></p> <table> <tr> <td>IMPS-CSP-SERV-C-004</td> <td>Support of Group Service Element functionality</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-GRSE-C-011</td> <td>Support for join group transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-GRSE-C-001</td> <td>Support for group creation transaction</td> <td>O</td> </tr> </table> <p><b>Server SCR Items Tested</b></p> <table> <tr> <td>IMPS-CSP-SERV-S-004</td> <td>Support of Group Service Element functionality</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-GRSE-S-011</td> <td>Support for join group transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-GRSE-S-001</td> <td>Support for group creation transaction</td> <td>O</td> </tr> </table>	IMPS-CSP-SERV-C-004	Support of Group Service Element functionality	O	IMPS-CSP-GRSE-C-011	Support for join group transaction	O	IMPS-CSP-GRSE-C-001	Support for group creation transaction	O	IMPS-CSP-SERV-S-004	Support of Group Service Element functionality	O	IMPS-CSP-GRSE-S-011	Support for join group transaction	O	IMPS-CSP-GRSE-S-001	Support for group creation transaction	O
IMPS-CSP-SERV-C-004	Support of Group Service Element functionality	O																	
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IMPS-CSP-GRSE-C-001	Support for group creation transaction	O																	
IMPS-CSP-SERV-S-004	Support of Group Service Element functionality	O																	
IMPS-CSP-GRSE-S-011	Support for join group transaction	O																	
IMPS-CSP-GRSE-S-001	Support for group creation transaction	O																	
Tool	-																		
Test code	-																		
Preconditions	<p><b>Equipment:</b></p> <ul style="list-style-type: none"> <li>2 clients / 1 server</li> </ul> <p><b>Prerequisites:</b></p> <ul style="list-style-type: none"> <li>Functioning SAP with 2 user accounts (A, B) existing on it.</li> <li>Clients and server support create group functionality.</li> <li>Clients and server support join group functionality.</li> <li>Client A and B logged in on server</li> </ul>																		
Test Procedure	<ol style="list-style-type: none"> <li>Client B creates a Private (i.e. created and maintained by a user) and Open (i.e. every User can join) Group, with MaxActiveUsers property set to '1'.</li> <li>Client B requests Server to join the Group.</li> <li>Server successfully joins Client B to the Group.</li> <li>Client A requests Server to join the Group.</li> </ol>																		

	5. Server reject Client A's request.
Pass-Criteria	<ul style="list-style-type: none"> <li>• After Step 3, Client B indicates joining to Group successful.</li> <li>• After Step 5, Client A indicates joining to Group failed.</li> </ul>

#### 5.4.20 Verify the successful retrieval of the conversation history of an existing group (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-GRSE-020</b>												
Test Purpose	Verify the successful retrieval of the conversation history of an existing group.												
Test Object	Client and Server device												
Test Case Description	Verify that a Group member successfully retrieves the history of messages that have been exchanged within the Group by other members.												
Specification Reference	[CSP]: 9.1.3.1; 10.1.5												
SCR Reference	<p><b>Client SCR Items Tested</b></p> <table> <tr> <td>IMPS-CSP-SERV-C-004</td> <td>Support of Group Service Element functionality</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-IMSE-C-003</td> <td>Support for get list of messages transaction</td> <td>O</td> </tr> </table> <p><b>Server SCR Items Tested</b></p> <table> <tr> <td>IMPS-CSP-SERV-S-004</td> <td>Support of Group Service Element functionality</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-IMSE-S-003</td> <td>Support for get list of messages transaction</td> <td>O</td> </tr> </table>	IMPS-CSP-SERV-C-004	Support of Group Service Element functionality	O	IMPS-CSP-IMSE-C-003	Support for get list of messages transaction	O	IMPS-CSP-SERV-S-004	Support of Group Service Element functionality	O	IMPS-CSP-IMSE-S-003	Support for get list of messages transaction	O
IMPS-CSP-SERV-C-004	Support of Group Service Element functionality	O											
IMPS-CSP-IMSE-C-003	Support for get list of messages transaction	O											
IMPS-CSP-SERV-S-004	Support of Group Service Element functionality	O											
IMPS-CSP-IMSE-S-003	Support for get list of messages transaction	O											
Tool	-												
Test code	-												
Preconditions	<p>Equipment:</p> <ul style="list-style-type: none"> <li>• 3 Clients / 1 Server</li> </ul> <p>Prerequisites:</p> <ul style="list-style-type: none"> <li>• Functioning SAP with at least 3 User accounts existing on it (A, B, C).</li> <li>• Clients A, B and C are logged in.</li> <li>• Server supports storage of group conversation history.</li> <li>• An existing group, either Open or Restricted (in which case A, B and C are all members of it), with at least one previous instant message stored, e.g. sent by B to C.</li> <li>• Client A has already joined the Group.</li> <li>• The 'History' property for this Group is set to 'True'.</li> <li>• Client A supports get message list transaction.</li> </ul>												

Test Procedure	<ol style="list-style-type: none"> <li>1. Client A issues a request to retrieve the conversation history of the Group (GetMessageListRequest primitive, with Group-ID of the joined Group as an input).</li> <li>2. Server returns to Client A the list of messages exchanged before it joined the Group (GetMessageListResponse primitive, with Message-Info structures).</li> </ol> <p style="margin-left: 40px;">NOTE: the maximum number of messages returned by Server to Client is limited by the value of the Message-Count element in the GetMessageListRequest primitive. If the number of instant messages stored on Server exceeds Message-Count, then Server must also return Message-Total-Count.</p>
Pass-Criteria	Client can browse the history of instant messages stored for the selected Group.

### 5.4.21 Verify the extension of one to one IM conversation (accepted) (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-GRSE-021</b>														
Test Purpose	Extension of one to one IM conversation (accepted)														
Test Object	Client and Server														
Test Case Description	A user, while having an IM conversation with another user, is able to invite other users to the conversation.														
Specification Reference	[CSP]: 5.1, 6.1, 7.5, 9.1, 10.4														
SCR Reference	<p><b>Client SCR items tested:</b></p> <table border="1" data-bbox="451 961 1373 1104"> <tr> <td data-bbox="451 961 764 1062">IMPS-CSP-GRSE-C-016</td> <td data-bbox="764 961 1295 1062">Support for extending one-to-one IM conversation to many-to-many IM conversation.</td> <td data-bbox="1295 961 1373 1062">O</td> </tr> <tr> <td data-bbox="451 1062 764 1104">IMPS-CSP-GRSE-C-001</td> <td data-bbox="764 1062 1295 1104">Support for join group transaction</td> <td data-bbox="1295 1062 1373 1104">O</td> </tr> </table> <p><b>Server SCR items tested:</b></p> <table border="1" data-bbox="451 1188 1373 1329"> <tr> <td data-bbox="451 1188 764 1289">IMPS-CSP-GRSE-S-016</td> <td data-bbox="764 1188 1295 1289">Support for extending one-to-one IM conversation to many-to-many IM conversation.</td> <td data-bbox="1295 1188 1373 1289">O</td> </tr> <tr> <td data-bbox="451 1289 764 1329">IMPS-CSP-GRSE-S-001</td> <td data-bbox="764 1289 1295 1329">Support for join group transaction</td> <td data-bbox="1295 1289 1373 1329">O</td> </tr> </table>			IMPS-CSP-GRSE-C-016	Support for extending one-to-one IM conversation to many-to-many IM conversation.	O	IMPS-CSP-GRSE-C-001	Support for join group transaction	O	IMPS-CSP-GRSE-S-016	Support for extending one-to-one IM conversation to many-to-many IM conversation.	O	IMPS-CSP-GRSE-S-001	Support for join group transaction	O
IMPS-CSP-GRSE-C-016	Support for extending one-to-one IM conversation to many-to-many IM conversation.	O													
IMPS-CSP-GRSE-C-001	Support for join group transaction	O													
IMPS-CSP-GRSE-S-016	Support for extending one-to-one IM conversation to many-to-many IM conversation.	O													
IMPS-CSP-GRSE-S-001	Support for join group transaction	O													
Tool	N/A														
Test code	N/A														
Preconditions	<ul style="list-style-type: none"> <li>• Equipment: 3 clients (A, B, C) / 1 server Functioning SAP with the 3 user accounts existing on it</li> <li>• Prerequisites: Server and Client B support ExtendConversation transaction Client A supports “extend 1-to-1 conversation” functionality Each clients and server support “Group Change Notification” functionality All clients are logged in No client blocks messages or invitation from other clients Client A and Client B having an IM conversation</li> </ul>														

Test Procedure	<p>#1: User B invites User C to the conversation</p> <p>#2: User A accepts the invitation to join the group before server TimeOut expiration</p> <p>#3: User C accepts the invitation to join the group</p> <p>#4: User A sends message to the group</p> <p>#5: User B sends message to the group</p> <p>#6: User C sends message to the group</p>
Pass-Criteria	<p>#1: Client A receives an invitation and displays it</p> <p>#2:</p> <ul style="list-style-type: none"> <li>• First User A joins the group</li> <li>• Then client C receives an invitation and displays it</li> </ul> <p>#3:</p> <ul style="list-style-type: none"> <li>• User C joins the group</li> <li>• No message history is revealed on Client C</li> </ul> <p>#4: Clients B and C receive the message</p> <p>#5: Clients A and C receive the message</p> <p>#6: Clients A and B receive the message</p>

### 5.4.22 Verify the extension of one to one IM conversation (denied) (Includes Optional Features)

Test Case Id	IMPS-1.3-int-GRSE-022														
Test Purpose	Extension of one to one IM conversation (denied)														
Test Object	Client and Server														
Test Case Description	A user, while having an IM conversation with another user that request the extension of the conversation, is able to denied the invitation.														
Specification Reference	[CSP]: 5.1, 6.1, 7.5, 9.1														
SCR Reference	<p><b>Client SCR items tested:</b></p> <table border="1"> <tr> <td>IMPS-CSP-GRSE-C-016</td> <td>Support for extending one-to-one IM conversation to many-to-many IM conversation.</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-GRSE-C-001</td> <td>Support for join group transaction</td> <td>O</td> </tr> </table> <p><b>Server SCR items tested:</b></p> <table border="1"> <tr> <td>IMPS-CSP-GRSE-S-016</td> <td>Support for extending one-to-one IM conversation to many-to-many IM conversation.</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-GRSE-S-001</td> <td>Support for join group transaction</td> <td>O</td> </tr> </table>			IMPS-CSP-GRSE-C-016	Support for extending one-to-one IM conversation to many-to-many IM conversation.	O	IMPS-CSP-GRSE-C-001	Support for join group transaction	O	IMPS-CSP-GRSE-S-016	Support for extending one-to-one IM conversation to many-to-many IM conversation.	O	IMPS-CSP-GRSE-S-001	Support for join group transaction	O
IMPS-CSP-GRSE-C-016	Support for extending one-to-one IM conversation to many-to-many IM conversation.	O													
IMPS-CSP-GRSE-C-001	Support for join group transaction	O													
IMPS-CSP-GRSE-S-016	Support for extending one-to-one IM conversation to many-to-many IM conversation.	O													
IMPS-CSP-GRSE-S-001	Support for join group transaction	O													
Tool	N/A														
Test code	N/A														

Preconditions	<ul style="list-style-type: none"> <li>Equipment: 3 clients (A, B, C) / 1 server Functioning SAP with the 3 user accounts existing on it</li> <li>Prerequisites:  Server and Client B support ExtendConversation transaction Client A supports “extend 1-to-1 conversation” functionality Each clients and server support “Group Change Notification” functionality All clients are logged in No client blocks messages or invitation from other clients Client A and Client B having an IM conversation</li> </ul>
Test Procedure	<p>#1: User B invites User C to the conversation</p> <p>#2: User A denies the invitation before server TimeOut expiration</p>
Pass-Criteria	<p>#1: Client A receives an invitation and displays it</p> <p>#2:</p> <ul style="list-style-type: none"> <li>Client B displays invitation denial</li> <li>The server does not create any group</li> <li>Client A does NOT join any group</li> <li>Client C does NOT receive any invitation</li> </ul>

### 5.4.23 Verify the extension of one to one IM conversation (not supported) (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-GRSE-023</b>														
Test Purpose	Extension of one to one IM conversation (not supported)														
Test Object	Client and Server														
Test Case Description	When a user, while having an IM conversation with another that not support the IM extension, the server rejects the IM extension.														
Specification Reference	[CSP]: 5.1, 6.1, 9.1														
SCR Reference	<p><b>Client SCR items tested:</b></p> <table border="1"> <tr> <td>IMPS-CSP-GRSE-C-016</td> <td>Support for extending one-to-one IM conversation to many-to-many IM conversation.</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-GRSE-C-001</td> <td>Support for join group transaction</td> <td>O</td> </tr> </table> <p><b>Server SCR items tested:</b></p> <table border="1"> <tr> <td>IMPS-CSP-GRSE-S-016</td> <td>Support for extending one-to-one IM conversation to many-to-many IM conversation.</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-GRSE-S-001</td> <td>Support for join group transaction</td> <td>O</td> </tr> </table>			IMPS-CSP-GRSE-C-016	Support for extending one-to-one IM conversation to many-to-many IM conversation.	O	IMPS-CSP-GRSE-C-001	Support for join group transaction	O	IMPS-CSP-GRSE-S-016	Support for extending one-to-one IM conversation to many-to-many IM conversation.	O	IMPS-CSP-GRSE-S-001	Support for join group transaction	O
IMPS-CSP-GRSE-C-016	Support for extending one-to-one IM conversation to many-to-many IM conversation.	O													
IMPS-CSP-GRSE-C-001	Support for join group transaction	O													
IMPS-CSP-GRSE-S-016	Support for extending one-to-one IM conversation to many-to-many IM conversation.	O													
IMPS-CSP-GRSE-S-001	Support for join group transaction	O													
Tool	N/A														
Test code	N/A														

Preconditions	<ul style="list-style-type: none"> <li>Equipment: 3 clients (A, B, C) / 1 server Functioning SAP with the 3 user accounts existing on it</li> <li>Prerequisites:  Server and Client B support ExtendConversation transaction Client A does NOT support “extend 1-to-1 conversation” functionality Each clients and server support “Group Change Notification” functionality All clients are logged in No client blocks messages or invitation from other clients Client A and Client B having an IM conversation</li> </ul>
Test Procedure	#1: User B invites User C to the conversation
Pass-Criteria	#1: <ul style="list-style-type: none"> <li>Client B displays error message (receives a Status response with the 909 error code)</li> <li>Client A does NOT receive any invitation</li> <li>Client C does NOT receive any invitation</li> </ul>

### 5.4.24 Verify the extension of one to one IM conversation (group change notice functionality) (Includes Optional Features)

Test Case Id	IMPS-1.3-int-GRSE-024														
Test Purpose	Extension of one to one IM conversation (group change notice functionality)														
Test Object	Client and Server														
Test Case Description	A user, while having an IM conversation with another user, is able to invite other users to the conversation, and is able to receive group change notifications.														
Specification Reference	[CSP]: 5.1, 6.1, 7.5, 9.1, 10.4, 10.9														
SCR Reference	<b>Client SCR items tested:</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">IMPS-CSP-GRSE-C-016</td> <td style="width: 50%;">Support for extending one-to-one IM conversation to many-to-many IM conversation.</td> <td style="width: 20%; text-align: center;">O</td> </tr> <tr> <td>IMPS-CSP-GRSE-C-001</td> <td>Support for join group transaction</td> <td style="text-align: center;">O</td> </tr> </table> <b>Server SCR items tested:</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">IMPS-CSP-GRSE-S-016</td> <td style="width: 50%;">Support for extending one-to-one IM conversation to many-to-many IM conversation.</td> <td style="width: 20%; text-align: center;">O</td> </tr> <tr> <td>IMPS-CSP-GRSE-S-001</td> <td>Support for join group transaction</td> <td style="text-align: center;">O</td> </tr> </table>			IMPS-CSP-GRSE-C-016	Support for extending one-to-one IM conversation to many-to-many IM conversation.	O	IMPS-CSP-GRSE-C-001	Support for join group transaction	O	IMPS-CSP-GRSE-S-016	Support for extending one-to-one IM conversation to many-to-many IM conversation.	O	IMPS-CSP-GRSE-S-001	Support for join group transaction	O
IMPS-CSP-GRSE-C-016	Support for extending one-to-one IM conversation to many-to-many IM conversation.	O													
IMPS-CSP-GRSE-C-001	Support for join group transaction	O													
IMPS-CSP-GRSE-S-016	Support for extending one-to-one IM conversation to many-to-many IM conversation.	O													
IMPS-CSP-GRSE-S-001	Support for join group transaction	O													
Tool	N/A														
Test code	N/A														

Preconditions	<ul style="list-style-type: none"> <li>• Equipment: 3 clients (A, B, C) / 1 server Functioning SAP with the 3 user accounts existing on it</li> <li>• Prerequisites:  Server and Client A support ExtendConversation transaction Client A supports “extend 1-to-1 conversation” functionality Each clients and server support “Group Change Notification” functionality All clients are logged in No client blocks messages or invitation from other clients Client A and Client B having an IM conversation</li> </ul>
Test Procedure	<p>#1:</p> <ul style="list-style-type: none"> <li>• User B invites User C to the conversation and subscribes to the group change notification (Subscribe-Notif='T' in ExtendConversationRequest)</li> <li>•</li> </ul> <p>#2: User A accepts the invitation to join the group and subscribes to the group change notification (Subscribe-Notif='T' in JoinGroupRequest)</p> <p>#3: User C accepts the invitation to join the group</p>
Pass-Criteria	<p>#1: Client A receives an invitation and displays it</p> <p>#2:</p> <ul style="list-style-type: none"> <li>• Client B receives group change notification when User A joins</li> <li>• Then, Client C receives an invitation and displays it</li> </ul> <p>#3:</p> <ul style="list-style-type: none"> <li>• Client A and Client B receive group change notification when Client C joins</li> </ul>

### 5.4.25 Verify the extension of one to one IM conversation (group change notice not supported) (Includes Optional Features)

Test Case Id	IMPS-1.3-int-GRSE-025
Test Purpose	Extension of one to one IM conversation (group change notice not supported)
Test Object	Client and Server
Test Case Description	A user, while having an IM conversation with another user, is able to invite other users to the conversation, all users that does NOT support GroupChangeNotice are NOT invited.
Specification Reference	[CSP]: 5.1, 6.1, 7.5, 9.1, 10.4

SCR Reference	<b>Client SCR items tested:</b>		
	IMPS-CSP-GRSE-C-016	Support for extending one-to-one IM conversation to many-to-many IM conversation.	O
	IMPS-CSP-GRSE-C-001	Support for join group transaction	O
	<b>Server SCR items tested:</b>		
	IMPS-CSP-GRSE-S-016	Support for extending one-to-one IM conversation to many-to-many IM conversation.	O
	IMPS-CSP-GRSE-S-001	Support for join group transaction	O
Tool	N/A		
Test code	N/A		
Preconditions	<ul style="list-style-type: none"> <li>• Equipment: 4 clients (A, B, C, D) / 1 server Functioning SAP with the 3 user accounts existing on it</li> <li>• Prerequisites:  Server and Client B support ExtendConversation transaction Client A supports “extend 1-to-1 conversation” functionality Client A, Client B, Client C and server support “Group Change Notification” functionality Client D does NOT support “Group Change Notification” functionality All clients are logged in No client blocks messages or invitation from other clients Client A and Client B having an IM conversation</li> </ul>		
Test Procedure	#1: User B decides to invit User C and User D to the conversation #2: User A accepts the invitation to join the group		
Pass-Criteria	#1: Client A receives an invitation and displays it #2: <ul style="list-style-type: none"> <li>• User A joins the group</li> <li>• Client C receives an invitation</li> <li>• Client D does NOT receive any invitation</li> <li>• Client B displays that Client D can NOT be invited (because of lacking support for the required functionality in the detailed results with error code 909)</li> </ul>		

## 5.5 IMPS-1.3-int-COSE

### 5.5.1 Verify sending of invitation to Shared Content when not blocked (Includes Optional Features)

Test Case Id	IMPS-1.3-int-COSE-001
Test Purpose	Verify sending of invitation to Shared Content when not blocked

Test Object	Client and Server device
Test Case Description	-
Specification Reference	[CSP]
SCR Reference	<p><b>Client SCR Items Tested</b></p> <p>IMPS-CSP-SERV-C-005 Support of Content Service Element functionality O</p> <p>IMPS-CSP-SAP-C-027 Support for invitation transaction O</p> <p>IMPS-CSP-INVIT-C-001 The client accepts or declines a received invitation. O</p> <p><b>Server SCR Items Tested</b></p> <p>IMPS-CSP-SERV-S-005 Support of Content Service Element functionality O</p> <p>IMPS-CSP-SAP-S-027 Support for invitation transaction O</p>
Tool	-
Test code	-
Preconditions	<p><b>Equipment:</b></p> <p>2 clients (A, B) / 1 Server</p> <p>Functioning SAP with at least 2 user accounts existing on it</p> <p><b>Prerequisites:</b></p> <p>Client A supports the ability to send an invitation</p> <p>Both clients and server support invitation functionality</p> <p>Both clients are logged in</p> <p>Client B is not blocking Client A's invitations</p> <p>Client A has seen to that there is content to be shared (via a tool)</p> <p>Content is available at a location that is accessible by Client B.</p>
Test Procedure	<p>Client A invites Client B to share content including an URL to the content.</p> <p>Client B receives and accepts the Shared Content invitation</p>
Pass-Criteria	<p>Client B receives a valid invitation</p> <p>Client A displays Client's B acceptance to Shared Content (Dependent on client functionality).</p>

## 5.5.2 Verify receiving and accepting of invitation to Shared Content when not blocked (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-COSE-002</b>															
Test Purpose	Verify receiving and accepting of invitation to Shared Content when not blocked.															
Test Object	Client and Server device															
Test Case Description	-															
Specification Reference	[CSP]															
SCR Reference	<p><b>Client SCR Items Tested</b></p> <table> <tr> <td>IMPS-CSP-SERV-C-005</td> <td>Support of Content Service Element functionality</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-SAP-C-027</td> <td>Support for invitation transaction</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-INVIT-C-001</td> <td>The client accepts or declines a received invitation.</td> <td>O</td> </tr> </table> <p><b>Server SCR Items Tested</b></p> <table> <tr> <td>IMPS-CSP-SERV-S-005</td> <td>Support of Content Service Element functionality</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-SAP-S-027</td> <td>Support for invitation transaction</td> <td>O</td> </tr> </table>	IMPS-CSP-SERV-C-005	Support of Content Service Element functionality	O	IMPS-CSP-SAP-C-027	Support for invitation transaction	O	IMPS-CSP-INVIT-C-001	The client accepts or declines a received invitation.	O	IMPS-CSP-SERV-S-005	Support of Content Service Element functionality	O	IMPS-CSP-SAP-S-027	Support for invitation transaction	O
IMPS-CSP-SERV-C-005	Support of Content Service Element functionality	O														
IMPS-CSP-SAP-C-027	Support for invitation transaction	O														
IMPS-CSP-INVIT-C-001	The client accepts or declines a received invitation.	O														
IMPS-CSP-SERV-S-005	Support of Content Service Element functionality	O														
IMPS-CSP-SAP-S-027	Support for invitation transaction	O														
Tool	-															
Test code	-															
Preconditions	<p><b>Equipment:</b></p> <p>2 clients (A, B) / 1 Server</p> <p>Functioning SAP with at least 2 user accounts existing on it</p> <p><b>Prerequisites:</b></p> <p>Client A supports the ability to receive and accept an invitation</p> <p>Both clients and server support invitation functionality</p> <p>Both clients are logged in</p> <p>Client B has seen to that there is content to be shared (via a tool)</p> <p>Content is available at a location that is accessible by Client A.</p> <p>Client A is not blocking Client B's invitations</p>															
Test Procedure	<p>Client B invites Client A to share content including an URL to the content.</p> <p>Client A receives the invitation to Shared Content</p> <p>Client A accepts the invitation to Shared Content</p>															

	Dependent on client functionality: Client B displays Client's A acceptance to Shared Content Client A visualises the URL and/or downloads and visualizes the Shared Content
Pass-Criteria	Client A accepts the invitation to Shared Content Dependent on client functionality: Client B displays Client's A acceptance to Shared Content Client A visualises the URL and/or visualizes the Shared Content.

### 5.5.3 Verify sending of cancel invitation to Shared Content (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-COSE-003</b>
Test Purpose	Verify sending of cancel invitation to Shared Content.
Test Object	Client and Server device
Test Case Description	-
Specification Reference	[CSP]
SCR Reference	<p><b>Client SCR Items Tested</b></p> <p>IMPS-CSP-SERV-C-005 Support of Content Service Element functionality O</p> <p>IMPS-CSP-SAP-C-028 Support for cancel invitation transaction O</p> <p><b>Server SCR Items Tested</b></p> <p>IMPS-CSP-SERV-S-005 Support of Content Service Element functionality O</p> <p>IMPS-CSP-SAP-S-028 Support for cancel invitation transaction O</p>
Tool	-
Test code	-
Preconditions	<p>Equipment:</p> <p>2 clients (A/B) and 1 server all supporting Invitation functionality Functioning SAP with at least 2 user account existing on it</p> <p>Prerequisites:</p> <p>Client A supports the ability to send an invitation Both clients and server support invitation functionality Both clients are logged in Content has been shared by Client A and is available to Client B</p>
Test Procedure	Client A cancels the invitation for Client B to share content that previous has been shared. Client B receives and acknowledges the cancellation of invitation to Shared Content.

	Dependent on client functionality: Client A displays the acknowledgement of cancel invitation from Client B
Pass-Criteria	After step 2, Client B receives a valid cancel invitation  Dependent on client functionality: After Step 3, Client A displays the acknowledgement of cancel invitation from Client B

### 5.5.4 Verify receiving of cancel invitation to Shared Content (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-COSE-004</b>
Test Purpose	Verify receiving of cancel invitation to Shared Content.
Test Object	Client and Server device
Test Case Description	-
Specification Reference	[CSP]
SCR Reference	<p><b>Client SCR Items Tested</b></p> <p>IMPS-CSP-SERV-C-005 Support of Content Service Element functionality O</p> <p>IMPS-CSP-SAP-C-028 Support for cancel invitation transaction O</p> <p><b>Server SCR Items Tested</b></p> <p>IMPS-CSP-SERV-S-005 Support of Content Service Element functionality O</p> <p>IMPS-CSP-SAP-S-028 Support for cancel invitation transaction O</p>
Tool	-
Test code	-
Preconditions	<p><b>Equipment:</b></p> <p>2 clients (A/B) and 1 server all supporting Invitation functionality</p> <p>Functioning SAP with at least 2 user account existing on it</p> <p><b>Prerequisites:</b></p> <p>Client B supports the ability to send an invitation</p> <p>Both clients and server support invitation functionality</p> <p>Both clients are logged in</p> <p>Content has been shared by Client B and is available to Client A</p>
Test Procedure	<p>Client B removed content or the possibility to access the content for Client A with a tool</p> <p>Client B cancels the invitation for Client A to share content that previous has been shared.</p>

	<p>Client A receives and acknowledges the cancellation of invitation to Shared Content.</p> <p>Dependent on client functionality: Client B displays the acknowledgement of cancel invitation from Client A</p> <p>Outside the scope of OMA-IMPS: Client A verifies no access to Shared Content</p>
Pass-Criteria	<p>After step 3, Client A receives a valid cancel invitation</p> <p>Dependent on client functionality: After Step 4, Client B displays the acknowledgement of cancel invitation from Client A</p> <p>Client A cannot or does not have to ability to attempt to access Shared Content</p>

## 5.6 IMPS-1.3-int-CIR

### 5.6.1 Verify Communication Initiation Request (CIR) using WAP Push over SMS (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-CIR-001</b>																											
Test Purpose	Testing Communication Initiation Request (CIR) using WAP Push over SMS																											
Test Object	Client and Server device																											
Test Case Description	-																											
Specification Reference	[CSP]																											
SCR Reference	<p><b>Client SCR Items Tested</b></p> <table> <tr> <td>IMPS-CSP-SERV-C-001</td> <td>Support of Service Access Point functionality</td> <td>M</td> </tr> <tr> <td>IMPS-CSP-SAP-C-003</td> <td>Support for Communications Initiation Request and PollingRequest primitive</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-TRANSP-C-008</td> <td>Support for WAP push SMS binding in CIR channel</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-TRANSP-C-012</td> <td>With WSP 1.2 or WSP 2.0 bindings for data channel, only WAP SMS binding or WAP UDP binding is used in CIR channel.</td> <td>M</td> </tr> <tr> <td>IMPS-CSP-TRANSP-C-014</td> <td>Sending of Poll request when CIR is received</td> <td>M</td> </tr> </table> <p><b>Server SCR Items Tested</b></p> <table> <tr> <td>IMPS-CSP-SERV-S-001</td> <td>Support of Service Access Point functionality</td> <td>M</td> </tr> <tr> <td>IMPS-CSP-SAP-S-003</td> <td>Support for Communications Initiation Request and PollingRequest primitive</td> <td>M</td> </tr> <tr> <td>IMPS-CSP-TRANSP-S-008</td> <td>Support for WAP push SMS binding in CIR channel</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-TRANSP-S-012</td> <td>With WSP 1.2 or WSP 2.0 bindings for data channel, only WAP SMS binding or WAP UDP binding is used in CIR channel.</td> <td>M</td> </tr> </table>	IMPS-CSP-SERV-C-001	Support of Service Access Point functionality	M	IMPS-CSP-SAP-C-003	Support for Communications Initiation Request and PollingRequest primitive	O	IMPS-CSP-TRANSP-C-008	Support for WAP push SMS binding in CIR channel	O	IMPS-CSP-TRANSP-C-012	With WSP 1.2 or WSP 2.0 bindings for data channel, only WAP SMS binding or WAP UDP binding is used in CIR channel.	M	IMPS-CSP-TRANSP-C-014	Sending of Poll request when CIR is received	M	IMPS-CSP-SERV-S-001	Support of Service Access Point functionality	M	IMPS-CSP-SAP-S-003	Support for Communications Initiation Request and PollingRequest primitive	M	IMPS-CSP-TRANSP-S-008	Support for WAP push SMS binding in CIR channel	O	IMPS-CSP-TRANSP-S-012	With WSP 1.2 or WSP 2.0 bindings for data channel, only WAP SMS binding or WAP UDP binding is used in CIR channel.	M
IMPS-CSP-SERV-C-001	Support of Service Access Point functionality	M																										
IMPS-CSP-SAP-C-003	Support for Communications Initiation Request and PollingRequest primitive	O																										
IMPS-CSP-TRANSP-C-008	Support for WAP push SMS binding in CIR channel	O																										
IMPS-CSP-TRANSP-C-012	With WSP 1.2 or WSP 2.0 bindings for data channel, only WAP SMS binding or WAP UDP binding is used in CIR channel.	M																										
IMPS-CSP-TRANSP-C-014	Sending of Poll request when CIR is received	M																										
IMPS-CSP-SERV-S-001	Support of Service Access Point functionality	M																										
IMPS-CSP-SAP-S-003	Support for Communications Initiation Request and PollingRequest primitive	M																										
IMPS-CSP-TRANSP-S-008	Support for WAP push SMS binding in CIR channel	O																										
IMPS-CSP-TRANSP-S-012	With WSP 1.2 or WSP 2.0 bindings for data channel, only WAP SMS binding or WAP UDP binding is used in CIR channel.	M																										
Tool	-																											
Test code	-																											
Preconditions	<p>Equipment:</p> <p>2 client (A &amp; B) and 1 server</p> <p>Functioning SAP with at least 2 user account existing on it.</p>																											

	<p>Prerequisites:</p> <p>Client A supports CIR using WAP Push over SMS (No restriction on Client B)</p> <p>Client A and Server have negotiated CIR using WAP Push over SMS</p> <p>Both Clients are logged into Server</p> <p>[Optional] Client A is able to leave the IMPS program without ending IMPS session</p>
Test Procedure	<p>[Optional] Client A remains logged into Server, and leaves the IMPS program</p> <p>Client B composes new message (content is “CIR”) and specifies Client A as recipient</p>
Pass-Criteria	<p>Client B visually confirms that message (content is “CIR”) has been sent</p> <p>[Optional] Client A prompts to restart the IMPS client interface</p> <p>Client A polls the server transaction and retrieves message with content “CIR”</p>

### 5.6.2 Verify Communication Initiation Request (CIR) using WAP Push over UDP (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-CIR-002</b>																				
Test Purpose	Testing Communication Initiation Request (CIR) using WAP Push over UDP																				
Test Object	Client and Server device																				
Test Case Description	-																				
Specification Reference	[CSP]																				
SCR Reference	<p><b>Client SCR Items Tested</b></p> <table border="0"> <tr> <td>IMPS-CSP-SERV-C-001</td> <td>Support of Service Access Point functionality</td> <td>M</td> </tr> <tr> <td>IMPS-CSP-SAP-C-003</td> <td>Support for Communications Initiation Request and PollingRequest primitive</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-TRANSP-C-009</td> <td>Support for WAP push UDP/IP binding in CIR channel</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-TRANSP-C-012</td> <td>With WSP 1.2 or WSP 2.0 bindings for data channel, only WAP SMS binding or WAP UDP binding is used in CIR channel.</td> <td>M</td> </tr> <tr> <td>IMPS-CSP-TRANSP-C-014</td> <td>Sending of Poll request when CIR is received</td> <td>M</td> </tr> </table> <p><b>Server SCR Items Tested</b></p> <table border="0"> <tr> <td>IMPS-CSP-SERV-S-001</td> <td>Support of Service Access Point functionality</td> <td>M</td> </tr> </table>			IMPS-CSP-SERV-C-001	Support of Service Access Point functionality	M	IMPS-CSP-SAP-C-003	Support for Communications Initiation Request and PollingRequest primitive	O	IMPS-CSP-TRANSP-C-009	Support for WAP push UDP/IP binding in CIR channel	O	IMPS-CSP-TRANSP-C-012	With WSP 1.2 or WSP 2.0 bindings for data channel, only WAP SMS binding or WAP UDP binding is used in CIR channel.	M	IMPS-CSP-TRANSP-C-014	Sending of Poll request when CIR is received	M	IMPS-CSP-SERV-S-001	Support of Service Access Point functionality	M
IMPS-CSP-SERV-C-001	Support of Service Access Point functionality	M																			
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IMPS-CSP-TRANSP-C-014	Sending of Poll request when CIR is received	M																			
IMPS-CSP-SERV-S-001	Support of Service Access Point functionality	M																			

	<p>IMPS-CSP-SAP-S-003 Support for Communication Initiation and PollingRequest primitive M</p> <p>IMPS-CSP-TRANSP-S-009 Support for WAP push UDP/IP binding in CIR channel O</p> <p>IMPS-CSP-TRANSP-S-012 With WSP 1.2 or WSP 2.0 bindings for data channel, only WAP SMS binding or WAP UDP binding is used in CIR channel. M</p>
Tool	-
Test code	-
Preconditions	<p>Equipment:</p> <p>2 client (A &amp; B) and 1 server</p> <p>Functioning SAP with at least 2 user account existing on it.</p> <p>Prerequisites:</p> <p>Client A supports CIR using WAP Push over UDP (No restriction on Client B)</p> <p>Client A and Server have negotiated CIR over UPD</p> <p>Both Clients are logged into Server</p> <p>[OPTIONAL] Client A is able to leave the IMPS program without ending IMPS session</p>
Test Procedure	<p>[OPTIONAL] Client A remains logged into Server, and leaves the IMPS program</p> <p>Client B composes new message (content is “CIR”) and specifies Client A as recipient</p> <p>NOTE: To determine if a CIR actually took place, and that Client A did not do a poll on its own, a test tool or protocol analyzer is needed.</p>
Pass-Criteria	<p>Client B visually confirms that message (content is “CIR”) has been sent</p> <p>[Optional] Client A prompts to restart the IMPS client interface Client polls the server transaction and retrieves message with content “CIR”</p>

### 5.6.3 Verify Communication Initiation Request (CIR) over Standalone SMS (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-CIR-003</b>
Test Purpose	Testing Communication Initiation Request (CIR) over Standalone SMS
Test Object	Client and Server device
Test Case Description	-
Specification Reference	[CSP]
SCR Reference	<p><b>Client SCR Items Tested</b></p> <p>IMPS-CSP-SERV-C-001 Support of Service Access Point functionality M</p>

	<p>IMPS-CSP-SAP-C-003 Support for Communications Initiation Request and PollingRequest primitive O</p> <p>IMPS-CSP-TRANSP-C-014 Sending of Poll request when CIR is received M</p> <p>IMPS-CSP-TRANSP-C-015 Support standalone SMS binding for CIR channel O</p> <p><b>Server SCR Items Tested</b></p> <p>IMPS-CSP-SERV-S-001 Support of Service Access Point functionality M</p> <p>IMPS-CSP-SAP-S-003 Support for Communications Initiation Request and PollingRequest primitive M</p> <p>IMPS-CSP-TRANSP-S-015 Support standalone SMS binding for CIR channel O</p>
Tool	-
Test code	-
Preconditions	<p>Equipment:</p> <p>2 client (A &amp; B) and 1 server</p> <p>Functioning SAP with at least 2 user account existing on it.</p> <p>Prerequisites:</p> <p>Client A supports CIR over Standalone SMS (No restriction on Client B)</p> <p>Client A and Server have negotiated CIR over Standalone SMS</p> <p>Both Clients are logged into Server</p> <p>[OPTIONAL] Client A is able to leave the IMPS program without ending IMPS session</p>
Test Procedure	<p>[OPTIONAL] Client A remains logged into Server, and leaves the IMPS program</p> <p>Client B composes new message (content is “CIR”) and specifies Client A as recipient</p>
Pass-Criteria	<p>Client B visually confirms that message (content is “CIR”) has been sent</p> <p>[Optional] Client A prompts to restart the IMPS client interface Client A polls the server transaction and retrieves message with content “CIR”</p>

### 5.6.4 Verify Communication Initiation Request (CIR) over Standalone UDP/IP (Includes Optional Features)

Test Case Id	IMPS-1.3-int-CIR-004
Test Purpose	Testing Communication Initiation Request (CIR) over Standalone UDP/IP

Test Object	Client and Server device																					
Test Case Description	-																					
Specification Reference	[CSP]																					
SCR Reference	<p><b>Client SCR Items Tested</b></p> <table border="0"> <tr> <td>IMPS-CSP-SERV-C-001</td> <td>Support of Service Access Point functionality</td> <td>M</td> </tr> <tr> <td>IMPS-CSP-SAP-C-003</td> <td>Support for Communications Initiation Request and PollingRequest primitive</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-TRANSP-C-014</td> <td>Sending of Poll request when CIR is received</td> <td>M</td> </tr> <tr> <td>IMPS-CSP-TRANSP-C-010</td> <td>Support for standalone UDP/IP binding in CIR channel</td> <td>O</td> </tr> </table> <p><b>Server SCR Items Tested</b></p> <table border="0"> <tr> <td>IMPS-CSP-SERV-S-001</td> <td>Support of Service Access Point functionality</td> <td>M</td> </tr> <tr> <td>IMPS-CSP-SAP-S-003</td> <td>Support for Communications Initiation Request and PollingRequest primitive</td> <td>M</td> </tr> <tr> <td>IMPS-CSP-TRANSP-S-010</td> <td>Support for standalone UDP/IP binding in CIR channel</td> <td>O</td> </tr> </table>	IMPS-CSP-SERV-C-001	Support of Service Access Point functionality	M	IMPS-CSP-SAP-C-003	Support for Communications Initiation Request and PollingRequest primitive	O	IMPS-CSP-TRANSP-C-014	Sending of Poll request when CIR is received	M	IMPS-CSP-TRANSP-C-010	Support for standalone UDP/IP binding in CIR channel	O	IMPS-CSP-SERV-S-001	Support of Service Access Point functionality	M	IMPS-CSP-SAP-S-003	Support for Communications Initiation Request and PollingRequest primitive	M	IMPS-CSP-TRANSP-S-010	Support for standalone UDP/IP binding in CIR channel	O
IMPS-CSP-SERV-C-001	Support of Service Access Point functionality	M																				
IMPS-CSP-SAP-C-003	Support for Communications Initiation Request and PollingRequest primitive	O																				
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IMPS-CSP-TRANSP-S-010	Support for standalone UDP/IP binding in CIR channel	O																				
Tool	-																					
Test code	-																					
Preconditions	<p>Equipment:</p> <p>2 client (A &amp; B) and 1 server</p> <p>Functioning SAP with at least 2 user account existing on it.</p> <p>Prerequisites:</p> <p>Client A supports CIR over Standalone UDP/IP (No restriction on Client B)</p> <p>Client A and Server have negotiated CIR over Standalone UDP/IP</p> <p>Both Clients are logged into Server</p> <p>[OPTIONAL] Client A is able to leave the IMPS program without ending IMPS session</p>																					
Test Procedure	<p>[OPTIONAL] Client A remains logged into Server, and leaves the IMPS program</p> <p>Client B composes new message (content is “CIR”) and specifies Client A as recipient</p> <p>NOTE: To determine if a CIR actually took place, and that Client A did not do a poll on its own, a test tool or protocol analyzer is needed.</p>																					

Pass-Criteria	Client B visually confirms that message (content is “CIR”) has been sent  [Optional] Client A prompts to restart the IMPS client interface Client A polls the server transaction and retrieves message with content “CIR”
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### 5.6.5 Verify Communication Initiation Request (CIR) over Standalone TCP/IP (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-CIR-005</b>																					
Test Purpose	Testing Communication Initiation Request (CIR) over Standalone TCP/IP																					
Test Object	Client and Server device																					
Test Case Description	-																					
Specification Reference	[CSP]																					
SCR Reference	<p><b>Client SCR Items Tested</b></p> <table border="0"> <tr> <td style="width: 15%;">IMPS-CSP-SERV-C-001</td> <td style="width: 65%;">Support of Service Access Point functionality</td> <td style="width: 20%; text-align: right;">M</td> </tr> <tr> <td>IMPS-CSP-SAP-C-003</td> <td>Support for Communications Initiation Request and PollingRequest primitive</td> <td style="text-align: right;">O</td> </tr> <tr> <td>IMPS-CSP-TRANSP-C-014</td> <td>Sending of Poll request when CIR is received</td> <td style="text-align: right;">M</td> </tr> <tr> <td>IMPS-CSP-TRANSP-C-011</td> <td>Support for standalone TCP/IP binding in CIR channel.</td> <td style="text-align: right;">O</td> </tr> </table> <p><b>Server SCR Items Tested</b></p> <table border="0"> <tr> <td style="width: 15%;">IMPS-CSP-SERV-S-001</td> <td style="width: 65%;">Support of Service Access Point functionality</td> <td style="width: 20%; text-align: right;">M</td> </tr> <tr> <td>IMPS-CSP-SAP-S-003</td> <td>Support for Communications Initiation Request and PollingRequest primitive</td> <td style="text-align: right;">M</td> </tr> <tr> <td>IMPS-CSP-TRANSP-S-011</td> <td>Support for standalone TCP/IP binding in CIR channel.</td> <td style="text-align: right;">O</td> </tr> </table>	IMPS-CSP-SERV-C-001	Support of Service Access Point functionality	M	IMPS-CSP-SAP-C-003	Support for Communications Initiation Request and PollingRequest primitive	O	IMPS-CSP-TRANSP-C-014	Sending of Poll request when CIR is received	M	IMPS-CSP-TRANSP-C-011	Support for standalone TCP/IP binding in CIR channel.	O	IMPS-CSP-SERV-S-001	Support of Service Access Point functionality	M	IMPS-CSP-SAP-S-003	Support for Communications Initiation Request and PollingRequest primitive	M	IMPS-CSP-TRANSP-S-011	Support for standalone TCP/IP binding in CIR channel.	O
IMPS-CSP-SERV-C-001	Support of Service Access Point functionality	M																				
IMPS-CSP-SAP-C-003	Support for Communications Initiation Request and PollingRequest primitive	O																				
IMPS-CSP-TRANSP-C-014	Sending of Poll request when CIR is received	M																				
IMPS-CSP-TRANSP-C-011	Support for standalone TCP/IP binding in CIR channel.	O																				
IMPS-CSP-SERV-S-001	Support of Service Access Point functionality	M																				
IMPS-CSP-SAP-S-003	Support for Communications Initiation Request and PollingRequest primitive	M																				
IMPS-CSP-TRANSP-S-011	Support for standalone TCP/IP binding in CIR channel.	O																				
Tool	-																					
Test code	-																					
Preconditions	<p>Equipment:</p> <p>2 client (A &amp; B) and 1 server</p> <p>Functioning SAP with at least 2 user account existing on it.</p> <p>Prerequisites:</p>																					

	<p>Client A supports CIR over Standalone TCP/IP (No restriction on Client B)</p> <p>Client A and Server have negotiated CIR over Standalone TCP/IP</p> <p>Both Clients are logged into Server</p> <p>[OPTIONAL] Client A is able to leave the IMPS program without ending IMPS session</p>
Test Procedure	<p>[OPTIONAL] Client A remains logged into Server, and leaves the IMPS program</p> <p>Client B composes new message (content is “CIR”) and specifies Client A as recipient</p> <p>NOTE: To determine if a CIR actually took place, and that Client A did not do a poll on its own, a test tool or protocol analyzer is needed.</p>
Pass-Criteria	<p>Client B visually confirms that message (content is “CIR”) has been sent</p> <p>[Optional] Client A prompts to restart the IMPS client interface</p> <p>Client A polls the server transaction and retrieves message with content “CIR”</p>

### 5.6.6 Verify Communication Initiation Request (CIR) over Standalone HTTP (Includes Optional Features)

Test Case Id	<b>IMPS-1.3-int-CIR-006</b>																		
Test Purpose	Testing Communication Initiation Request (CIR) over Standalone HTTP																		
Test Object	Client and Server device																		
Test Case Description	-																		
Specification Reference	[CSP]																		
SCR Reference	<p><b>Client SCR Items Tested</b></p> <table border="0"> <tr> <td>IMPS-CSP-SERV-C-001</td> <td>Support of Service Access Point functionality</td> <td>M</td> </tr> <tr> <td>IMPS-CSP-SAP-C-003</td> <td>Support for Communications Initiation Request and PollingRequest primitive</td> <td>O</td> </tr> <tr> <td>IMPS-CSP-TRANSP-C-013</td> <td>Sending of Poll request when poll request is received in WV message inside the WSP/HTTP(S) POST response.</td> <td>M</td> </tr> <tr> <td>IMPS-CSP-TRANSP-C-016</td> <td>Support for standalone HTTP binding in CIR channel.</td> <td>O</td> </tr> </table> <p><b>Server SCR Items Tested</b></p> <table border="0"> <tr> <td>IMPS-CSP-SERV-S-001</td> <td>Support of Service Access Point functionality</td> <td>M</td> </tr> <tr> <td>IMPS-CSP-SAP-S-003</td> <td>Support for Communications Initiation Request and PollingRequest primitive</td> <td>M</td> </tr> </table>	IMPS-CSP-SERV-C-001	Support of Service Access Point functionality	M	IMPS-CSP-SAP-C-003	Support for Communications Initiation Request and PollingRequest primitive	O	IMPS-CSP-TRANSP-C-013	Sending of Poll request when poll request is received in WV message inside the WSP/HTTP(S) POST response.	M	IMPS-CSP-TRANSP-C-016	Support for standalone HTTP binding in CIR channel.	O	IMPS-CSP-SERV-S-001	Support of Service Access Point functionality	M	IMPS-CSP-SAP-S-003	Support for Communications Initiation Request and PollingRequest primitive	M
IMPS-CSP-SERV-C-001	Support of Service Access Point functionality	M																	
IMPS-CSP-SAP-C-003	Support for Communications Initiation Request and PollingRequest primitive	O																	
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IMPS-CSP-SERV-S-001	Support of Service Access Point functionality	M																	
IMPS-CSP-SAP-S-003	Support for Communications Initiation Request and PollingRequest primitive	M																	

	IMPS-CSP-TRANSP-S-016 Support for standalone HTTP binding in CIR channel. O
Tool	-
Test code	-
Preconditions	<p>Equipment:</p> <p>2 client (A &amp; B) and 1 server</p> <p>Functioning SAP with at least 2 user account existing on it.</p> <p>Prerequisites:</p> <p>Client A supports CIR over Standalone HTTP (No restriction on Client B)</p> <p>Client A and Server have negotiated CIR over Standalone HTTP</p> <p>Both Clients are logged into Server</p> <p>[OPTIONAL] Client A is able to leave the IMPS program without ending IMPS session</p>
Test Procedure	<p>[OPTIONAL] Client A remains logged into Server, and leaves the IMPS program</p> <p>Client B composes new message (content is "CIR") and specifies Client A as recipient</p> <p>NOTE: To determine if a CIR actually took place, and that Client A did not do a poll on its own, a test tool or protocol analyzer is needed.</p>
Pass-Criteria	<p>Client B visually confirms that message (content is "CIR") has been sent</p> <p>[Optional] Client A prompts to restart the IMPS client interface</p> <p>Client A polls the server transaction and retrieves message with content "CIR"</p>

## Appendix A. Change History

(Informative)

### A.1 Approved Version History

Reference	Date	Description
n/a	n/a	No prior version –or- No previous version within OMA

### A.2 Draft/Candidate Version 1.3 History

Document Identifier	Date	Sections	Description
Draft Version OMA-ETS-IMPS_CSP_INT-V1_3	13 Dec 2005		The initial version of this document.
	20 Dec 2005	Entire document	Added test cases according to tracking tool R4 Ref. OMA-IOP-IMPS-2005-0096R04-ETS1.3-Tracking-Tool-for-Test-Cases-ver-Dec-10
	13 Jan 2006	Entire document	Added test cases according to Tracking Tool version of 2006-01-12 (i.e. after MEC CC of January 10 <sup>th</sup> 2006). Ref. OMA-IOP-MEC-2006-0007R01-IMPS-TCs-Tracking-Tool Additional editorial clean-up.
	20 Feb 2006	Entire document	Changes accordingly to OMA-IOP-MEC-2006-0074R01-IMPS-CR-ETS-V1_3-20060120-D.zip
	22 Feb 2006	Entire document	Moved some TC:s to conformance part + editorial tings
	13 Apr 2006	Entire Document	Deleted some testcases, improved some and added TCs from doc 193
	17 Apr 2006	Entire document	Renumbering of TCs and deletin of comments
	17-Apr 2006	Entire document	Removed Conformance test cases to separate Conformance ETS
	08 May 2006	Entire document	Renamed and prepared for TP R&A as Candidate
Candidate Version OMA-ETS-IMPS_CSP_INT-V1_3	30 May 2006	n/a	Status changed to Candidate by TP R&A (2006-05-17 to 2006-05-30) OMA-TP-2006-0175R01-OMA-IMPS_CSP_INT_ETS-V1_3_for_Approval
Draft Version OMA-ETS-IMPS_CSP_INT-V1_3	01 Apr 2008	5.3.3	Incorporated CR: OMA-IOP-MEC-2006-0403 Editorial updates
Candidate Version OMA-ETS-IMPS_CSP_INT-V1_3	16 Apr 2008	n/a	Notified to TP ref# OMA-TP-2008-0175- INP_IMPS_1.3_INT_ETS_for_Notification