# OMTP

## LEGACY CUSTOMER SUPPORT FOR INSTANT MESSAGING AND PRESENCE SERVICE



**VERSION:** 1_0

**STATUS:** Approved for publication

**DATE OF PUBLICATION:** 27th April 2007

**OWNER:** OMTP Limited

# CONTENTS

This document contains information that is confidential and proprietary to OMTP Limited. The information may not be used, disclosed or reproduced without the prior written authorisation of OMTP Limited, and those so authorised may only use this information for the purpose consistent with the authorisation.

The information contained in this document represents the current view held by OMTP Limited. on the issues discussed as of the date of publication.

This document is provided “as is” with no warranties whatsoever including any warranty of merchantability, non-infringement, or fitness for any particular purpose. All liability (including liability for infringement of any property rights) relating to the use of information in this document is disclaimed. No license, express or implied, to any intellectual property rights are granted herein.

This document is distributed for informational purposes only and is subject to change without notice. Readers should not design products based solely on this document.

Each Open Mobile Terminal Platform member and participant has agreed to use reasonable endeavours to inform the Open Mobile Terminal Platform in a timely manner of Essential IPR as it becomes aware that the Essential IPR is related to the prepared or published specification. The declared Essential IPR is publicly available to members and participants of the Open Mobile Terminal Platform and may be found on the “OMTP IPR Declarations” list in the OMTP Members Area.

The Open Mobile Terminal Platform has not conducted an independent IPR review of this document and the information contained herein, and makes no representations or warranties regarding third party IPR, including without limitation patents, copyrights or trade secret rights. This document may contain inventions for which you must obtain licenses from third parties before making, using or selling the inventions.

Defined terms and applicable rules above are set forth in the Schedule to the Open Mobile Terminal Platform Member and Participation Annex Form.

# 1 INTRODUCTION

## 1.1 DOCUMENT PURPOSE

This task addresses an identified gap in current Instant Messaging and Presence (IM&P) OMA IMPS implementations, in order to allow a User of a Client supporting full IM&P to be able to distinguish and appropriately message Legacy Customers. Legacy customers are those who do not have an IM&P capable Terminal but can be contacted using an SMS bearer for IM originated messages and can reply using this bearer.

The task limits its scope to use cases covered by the GSMA 'DRAFT Personal Use Cases (IM Phase 1)' document [1]

## 1.2 BUSINESS RATIONALE

Many operators are currently working with numerous Terminal manufacturers and 3rd party vendors to ensure that there is a seeded market of capable Terminals to satisfy the basic IM requirement. These parallel activities are causing considerable development and supply congestion – many players are all asking for very similar solutions.

If IM is to be successful it needs;

- Service Interworking – being addressed in GSMA
- Basic support for legacy messaging within Clients supporting full IM – addressed by this task
- Deployed and available Terminals with appropriate and usable Clients – addressed by this task
- A common method of provisioning deployed Clients – addressed by this task

GSMA is addressing the service Interworking issue and this OMTP task is addressing the other areas.

Reaching an industry agreement on standard Client requirements for IM will therefore go some way to creating a climate for success of IM without restricting the freedom of innovation. It would streamline the whole value chain and provide end Users with a larger choice of Terminals that support the basic requirement.

## 1.3 INTENDED AUDIENCE

This document addresses mainly two different target groups:

- Mobile network operators implementing an Instant Messaging & Presence (IM&P) service.

- OMTP Terminal implementers, i.e. the equipment and technology vendors that will be asked to create implementations of the OMTP platform.

## 1.4 CONVENTIONS

The key words “MUST”, “MUST NOT”, “REQUIRED”, “SHALL”, “SHALL NOT”, “SHOULD”, “SHOULD NOT”, “RECOMMENDED”, “MAY”, and “OPTIONAL” in this document are to be interpreted as described in RFC2119 [2].

- MUST: This word, or the terms "REQUIRED" or "SHALL", mean that the definition is an absolute requirement of the specification.
- MUST NOT: This phrase, or the phrase "SHALL NOT", mean that the definition is an absolute prohibition of the specification.
- SHOULD: This word, or the adjective "RECOMMENDED", mean that there may exist valid reasons in particular circumstances to ignore a particular item, but the full implications must be understood and carefully weighed before choosing a different course.
- SHOULD NOT: This phrase, or the phrase "NOT RECOMMENDED" mean that there may exist valid reasons in particular circumstances when the particular behaviour is acceptable or even useful, but the full implications should be understood and the case carefully weighed before implementing any behaviour described with this label.
- MAY: This word, or the adjective "OPTIONAL", mean that an item is truly optional. One vendor may choose to include the item because a particular marketplace requires it or because the vendor feels that it enhances the product while another vendor may omit the same item. An implementation which does not include a particular option MUST be prepared to interoperate with another implementation which does include the option, though perhaps with reduced functionality. In the same vein an implementation which does include a particular option MUST be prepared to interoperate with another implementation which does not include the option (except, of course, for the feature the option provides.)

The requirements within this document are uniquely identified using the following format:

IM-####, where:

- IM stands for Instant Messaging
- #### is a number that identifies the requirement.

# 2 USE CASES

The overall target of this OMTP activity is to facilitate the IM service introduction, based on OMA IMPS 1.2.x / 1.3 [3] compatible Clients. In the longer term, other protocols make take over from these, but these are out of scope for this task.

Operators may distinguish between 3 types of possible targets for IM

1. 'True IM' Users having a IM account, a valid IM UID and a IM Client on their Terminal. These customers have logged on to the service at least once.
2. "Legacy SMS" customers with an auto-provisioned IM account and IM UID. These customers have either never logged on the service (but have a IM Client on their Terminal) or have no IM Client on their Terminal.
3. "Legacy SMS" customers with either no auto-provisioned UID or their IMSP does not have Interworking in place with the sending IMSP.

The aim of these distinctions is to allow IM Users in their IM application on the Terminal to distinguish between 'true IM' Users and 'Legacy SMS' Customers.

The differentiation could be used for a number of reasons:

- the service has difference in perceived customer value so operators might want to introduce differentiated pricing
- the Legacy Service might face limitations the IM User should be aware of or at least have the option to be informed of
- the User experience for the sending party (the 'true IM' User) is different, so a differentiator should make it clear to the end customer

It is well appreciated that operators might decide not to distinguish between legacy and true IM Users in their particular implementation.

## *2.1 USE CASES*

The use cases listed below are indicative and represent the foundation for deriving requirements in the work packages.

## *2.2 ACTORS*

| | |
|---|---|
| IMSP A | MNO A acting as IM Service provider |
| MNO A | MNO operating IMSP A |
| IMSP B | MNO B acting as IM Service provider |
| MNO B | MNO operating IMSP B |

| | |
|---|---|
| MNO C | MNO C that does not offer an IM service |
| User A1 | IM User with IMSP A |
| Customer B1 | Non-IM Customer with IMSP B |
| Customer C1 | Non-IM Customer with MNO C |
| User B1 | True IM User after upgrading from 'Customer B1' status |

General pre-conditions for this section:

- IMSP A offers a legacy support service extension to its IM&P Users.
- User A1 is registered for IM service with his respective IMSP and has an active account (IM&P Users).
- Customer B1 is not registered with his respective IMSP B and may have an auto-registered active IM account (but may not be aware of this fact). Customer B1 may be upgraded to become User B1 after being registered with his IMSP B.
- Customer C1 is with an MNO that does not offer an IM&P service.
- Users have billing relationships with their respective IMSPs.

## 2.3 *USE CASE 1: ADDING LEGACY CUSTOMERS TO CONTACT LIST*

(1.a: User A1 adds Customer B1 to Contact List by MSISDN)

(1.b: User A1 adds Customer C1 to Contact List by MSISDN)

| | |
|---|---|
| **Description** | IM&P User A1 adds his buddies Customer B1 and Customer C1 to his Contact List. Since both Customers lack an IM&P UID, User A1 uses their respective MSISDN. |
| **Preconditions** | • As described in section 2.2 (Actors); Customer B1 has never been added in a Contact List by any (IMSP A and/or IMSP B) User |
| **Post Conditions** | • Customers B1 and C1 are on User A1's Contact List. |
| **Normal Workflow (for** | • User A1 selects "add by MSISDN" function on his IM&P Client |

| | |
|---|---|
| **Customer B1)** | • User A1 enters the MSISDN of his Customer B1 buddy.<br>• The IMSP A detects Customer B1 belonging to IMSP B and forwards a validation request to IMSP B.<br>• IMSP B knows the Customer B1 is not an IM&P User and auto-registers an account for B1. IMSP B classifies Customer B1 as Legacy Customer[1]<br>• IMSP B feeds back to IMSP A the successful validation response, the auto-generated UID and adds presence attributes to this:<br>o Presence attributes “available” or “online”[2]<br>• IMSP A maintains Customer B1 on the Contact List of A1 with MSISDN, UID and presence attributes.<br>• The Client of User A1 shows Customer B1 as available, and “SMS only” |
| **Alternative Workflows (for Customer C1)** | • User A1 selects “add by MSISDN” function on his IM&P Client<br>• User A1 enters the MSISDN of Customer C1.<br>• The IMSP A detects Customer C1 belonging to MNO C. MNO C is known to be either no IMSP or not Interworking with IMSP A.<br>• IMSP A puts Customer C1 on the Contact List of A1, with MSISDN, and default presence attributes<br>o Presence attributes “available” or “online”[3] |

[1] IMSP B may have more sophisticated measures in place to distinguish between legacy Terminals and IM enabled Terminals.

[2] IMSP might alternatively decide to set their legacy customers to ‘offline’ or make HLR based presence values available.

[3] IMSP A might decide to use a presence value different from the suggested ‘available’ or ‘online’

## 2.4 USE CASE 2: SENDING PLAIN TEXT MESSAGE TO LEGACY CUSTOMER ON CONTACT LIST

(2.a: User A1 sends a plain text message to Customer B1)

(2.b: User A1 sends a plain text message to Customer C1)

| | |
|---|---|
| **Description** | User A1 sends a pure text IM message to a Legacy Customer |
| **Preconditions** | Customers B1 and C1 have been added to User A1's Contact List as described in use case 1. |
| **Post Conditions** | Customers B1 and C1 have received an IM message using SMS bearer from User A1. |
| **Normal Workflow (for customer B1)** | • User A1 selects Customer B1 from his Contact List and accesses the Client to write a message<br>• User A1 types in a text message and sends it.<br>• IMPS A recognizes the recipient Customer B1 as being with IMSP B and terminates the message on the existing Interworking interface.<br>• IMSP B recognizes Customer B1 being a Legacy Customer, converts the IM message to SMS and terminates it.[4]<br>• Customer B receives that Message from User A1 in his SMS inbox. |

[4] IMSP B might add some additional text to that message indicating the source of the message, and introducing the IM service as such.

| | |
|---|---|
| **Alternative Workflow (for Customer C1)** | • User A1 selects Customer C1 from his Contact List and accesses the Client to write a message<br>• User A1 types in a text message and sends it.<br>• IMSP A recognizes the recipient Customer C1 as being with MNO C. There is no Interworking for IM in place with MNO C.<br>• IMSP A converts the message to SMS and terminates the IM using SMS bearer at MNO C.[5]<br>• MNO C terminates the IM using SMS bearer on his network.<br>• Customer C receives the IM message in his inbox. |

## 2.5 USE CASE 3: LEGACY CUSTOMER UPGRADES TO ACTIVE IM&P USER

| | |
|---|---|
| **Description** | A Legacy Customer of MNO B (acting as IM&P Service provider interconnected) upgrades to a 'true IM' customer. |
| **Preconditions** | • Customer B1 is on User A1's Contact List as a known Legacy Customer<br>• Customer B1 has a pre-registered IM account with IMSP B |
| **Post Conditions** | 'Customer B1' is migrated to 'User B1' (being a known 'true IM' User to User A1 and any other contact having B1 on his Contact List) |

[5] IMSP A might add some additional text to that message indicating the source of the message, and introducing the IM service as such.

| | |
|---|---|
| **Normal Workflow (for Customer B1)** | • Customer B1 decides to become a User of the IM&P Service offered by MNO B; Customer B1 has an IM&P Client on his mobile Terminal.<br>• The IMSP B server will migrate 'Customer B' to 'User B' discard any legacy settings / Presence Attributes and, from now on, treat User B as a full IM&P User.<br>• User B1 is asked to allow User A1 to subscribe to his presence (User B1 can deny presence authorization and still message User A1). The acknowledgement process shall be in line with the normal process established in IMSP B. |
| **Alternative Workflow (for Customer C1)** | None – upgrade from Customer C1 would only be possible in case MNO C would firstly migrate to become IMSP C (introducing an IM&P service and interconnection with IMSP A). |

## *2.6 USE CASE 4: IM CUSTOMER EXPECTING A REPLY TO A MESSAGE SENT TO LEGACY CUSTOMER*

(4.a: Customer B1 replies to message from A1)

(4.b: Customer C1 replies to message from A1)

| | |
|---|---|
| **Description** | A Legacy Customer has received an IM message over SMS bearer from a IM&P User and replies to it. The IM&P User receives the message as an IM message on his IM&P Client |
| **Preconditions** | • Customer B1 has a pre- registered account at IMSP B<br>• Customer C1 does not have an IM account and is MNO customer only<br>• User A1 has sent an Instant Message to Customer B1, and Customer B1 has received this over SMS bearer<br>• User A1 has sent an Instant Message to Customer C1, and Customer C1 has received this over SMS bearer |

| | |
|---|---|
| **Post Conditions** | • User A1 has received a reply from Customer B1 (as an Instant Message)<br>• User A1 has received a reply from Customer C1 B1 (as an Instant Message) |
| **Normal Workflow (for Customer B1)** | • Customer B1 has received and opened an Instant Message using SMS bearer from User A1<br>• Customer B1 uses the “answer” and “send” functions of his SMS Client<br>• The SMS is sent to MNO B, detected as ‘IM over SMS’ and handed over to the IMSP B.<br>• The IMSP B shall terminate the message at IMSP A<br>• IMSP A terminates the message at User A1 (as an Instant Message)<br>• The message will be inserted into the open conversation with B1 or, if this has been closed in the meantime, open a conversation with B1 again. |
| **Alternative Workflows (for Customer C1)** | • Customer C1 has received and opened an Instant Message using SMS bearer from User A1<br>• Customer C1 uses the “answer” and “send” functions of his SMS Client<br>• MNO C terminates the SMS at MNO A.<br>• MNO A recognizes the message as ‘IM over SMS’ and hands the message over to IMSP A.<br>• IMSP A terminates the message at User A (as an Instant Message).<br>• The message will be inserted into the open conversation with Customer C1 or, if this has been closed in the meantime, open a conversation with Customer C1 again. |

# 3 User Experience (UE) and User Interface (UI) Requirements

## 3.1 Generic Requirements

| Req. Id | Requirement |
|---|---|
| **IM-0010** | Unless more detailed information on a Legacy Customer is available, the default appearance in the Contact List for Legacy Customers SHALL be 'online', 'available' or similar, rather than 'offline', 'busy' or similar.<br>Requirement IM-0070 shall apply. |
| **IM-0020** | There SHOULD be no SMS legacy support for Group Messaging (Private Chat). At the UI level, the option for Group Messaging (Private Chat) SHOULD NOT be selectable for the MIM User. |
| **IM-0030** | The messaging capabilities to Legacy Customers SHALL be limited to 160 characters of text. |
| **IM-0040** | The Terminal SHALL advise the User of the 160 character limit in a User-friendly manner. |
| **IM-0050** | If an IM message is delivered to a Legacy Customer's Terminal using SMS legacy support, any replies to this message SHALL be delivered back to the IM Client of the initiator of the conversation. |
| **IM-0060** | The IM Client SHOULD inform the IM User about the specific features of the legacy support functionality.<br>It MAY use one of the following means:<br>• "set-up wizard" when using the Client for the first time<br>• status line in creation mode<br>• pop-up window for AoC (advice of charge) information<br>This functionality, if implemented, SHALL be MNO configurable for the information being given to the User, including whether any information is displayed at all. |

Please note:

- The decision on whether to support Rich Content messages for legacy Terminals (e.g. based on MMS) has been postponed to a later version of this document
- There are no requirements being defined for initiation of IM sessions outside the IM Clients.

## 3.2 For Legacy Customers (pre-registered or not pre-registered)

This section recommends possible implementations to enhance the User experience for Legacy Customers.

- For pre-registered Customers: If a more accurate presence information is available for the legacy User, the following rules apply:
    - For HLR based presence, the chosen presence attribute is
      - 'online' if the Terminal is registered on the network (i.e. switched on and attached)
      or
      - 'offline' if the Terminal is not registered on the network (i.e. switched off or detached from network).
- For pre-registered customers: The IMSP might allow 'legacy' Users to change the presence attribute (e.g. via SMS commands).
- For non pre-registered customers: The IMSP / MNO attaches the permanent presence attribute "online" for other MNOs (that are not IMSPs) non pre-registered Legacy Customers.

## 3.3 Presentation of Legacy Customer on IM Contact List

This section describes the presentation of Legacy Customers on (mobile) IM Contact Lists.

| Req. Id | Requirement |
|---|---|
| **IM-0070** | The Terminal SHALL provide the ability for IM Users to be able to clearly differentiate from the Contact List information which customers are "true IM" and which customers are "SMS legacy". This differentiation SHALL be, based on operator configuration, visible or invisible. |
| **IM-0080** | If the differentiation defined in IM-0070 is visible, then a clear graphic indication SHALL be used for differentiation of Legacy Customers on the UI. |

| REQ. ID | REQUIREMENT |
|---|---|
| **IM-0090** | The Terminal SHALL NOT allow IM&P Users to differentiate between the different types of Legacy Customers (i.e. Customers of a MNO acting as IMSP and Customers of a MNO that does not offer an IM&P service). |
| **IM-0100** | For formatting of the Contact List, a consistent implementation in line with either of the options below MAY be used:<br>***Example 1: "Legacy SMS" Customers are differentiated from IM&P Users***<br>Online Janette<br>Fred<br>Graham<br>Legacy / SMS John<br>Jake<br>Busy Peter<br>Offline Tim<br>***Example 2: "Legacy SMS" customers are not differentiated from IM&P Users***<br>Online Janette<br>Fred<br>Graham<br>John<br>Jake<br>Busy Peter<br>Offline Tim |
| **IM-0110** | If a presence Icon is used to indicate presence availability, the Icon indicating Legacy Customers SHALL be unique on the Contact List: |

# 4 IMPS CLIENT TO SERVER PROTOCOL (CSP) REQUIREMENTS

To convey the information that a contact is a "Legacy SMS" contact from the IMPS Server to the IMPS Client, OMTP recommends two options to be used as a two-step approach allowing a short- to mid-term implementation of legacy support and long-term robustness of the solution:

## *4.1 SMS LEGACY INDICATION FOR IMPS CSP: STATUS TEXT*

This solution has been proposed to allow a short- to mid-term implementation of legacy support.

| REQ. ID | REQUIREMENT |
|---|---|
| **IM-0120** | The IMPS Client on the IM&P User Terminal SHALL be capable of displaying the value of the Presence Attribute "StatusText" that the IMPS Server provides for the contacts listed in the IM&P User Contact List. |
| **IM-0130** | The value of the Presence Attribute "StatusText" SHOULD be displayed in a prominent position on the Contact List |

Example implementation:

```
<PresenceSubList xmlns="http://www.openmobilealliance.org/DTD/WV-PA1.2">
    <StatusText>
        <Qualifier>T</Qualifier>
        <PresenceValue>Unknown (SMS)</PresenceValue>
    </StatusText>
</PresenceSubList>
```

## *4.2 SMS LEGACY INDICATION FOR IMPS CSP: CLIENTINFO*

This solution has been proposed to allow a long-term implementation of legacy support. The ClientType in the presence attribute ClientInfo set to ‘CLI’ indicates Legacy Customers on the Contact List of the IM User.

| REQ. ID | REQUIREMENT |
|---|---|
| **IM-0140** | The IM Client on the IM User Terminal SHALL be capable of detecting the 'ClientType' value in the presence attribute 'ClientInfo' and of indicating 'CLI' marked Contact List entries as legacy Contacts in a unique and User friendly manner. |

Example implementation:

```
<PresenceSubList xmlns="http://www.openmobilealliance.org/DTD/WV-PA1.2">
    <ClientInfo>
        <Qualifier>T</Qualifier>
        <ClientType>CLI</ClientType>
    </ClientInfo>
</PresenceSubList>
```

OMTP has sent a Liaison Statement to OMA Messaging Working Group (MWG) for their recommendation on how to convey the legacy flag from server to Client. Their recommendation is fully in line with the requirement 01-00220 as per chapter 4.2 of this document. The OMA response can be found in appendix A.

# 5 DEFINITION OF TERMS

| TERM | DESCRIPTION |
|---|---|
| **CLIENT** | Application on a Terminal that allows use of a service. |
| **CLIENTINFO** | Presence attribute specified in OMA IMPS to indicate information about the IMPS Client. One of the information elements specified for the ClientInfo Presence Attribute is "ClientType". A possible value for the "ClientType" information element is 'CLI' |
| **CLIENTTYPE** | One element of the IMPS presence attribute "ClientInfo" |
| **CONTACT** | Entry on the Contact List of an IM User |
| **CONTACT LIST** | List of Contacts that can be reached directly on IM, as defined in OMA IMPS standard. |
| **CUSTOMER** | Customer of a Mobile Network Operator |
| **ICON** | Small graphical element |
| **INSTANT MESSAGE** | Message exchanged in real time between Users.<br>In the context of this document, the Instant Message is limited to up to 160 characters of text-only messages exchanged between two Users |
| **INTERWORKING** | Connection of two or more services across operator domains based on a defined set of technical and commercial rules. |
| **LEGACY CUSTOMER** | Customers who do not have an IM Client on their Terminal, or use an IM service which is not interconnected to the other IM service. |
| **LEGACY SERVICE** | Service enabling Legacy Customers to be addressed by the IM Service of a Mobile Network Operator. |
| **LEGACY SMS CUSTOMER** | See 'Legacy Customer' |
| **NON-IM CUSTOMER** | See 'Legacy Customer' |
| **SMS LEGACY CUSTOMER** | See 'Legacy Customer' |

| TERM | DESCRIPTION |
|---|---|
| STATUS TEXT | Presence attribute defined in OMA IMPS allowing the exchange of short text strings with presence service. |
| TERMINAL | Used as an alternative term for a cellular telephone or handset. |
| USER | Person making use of an IM&P service |

# 6 ABBREVIATIONS

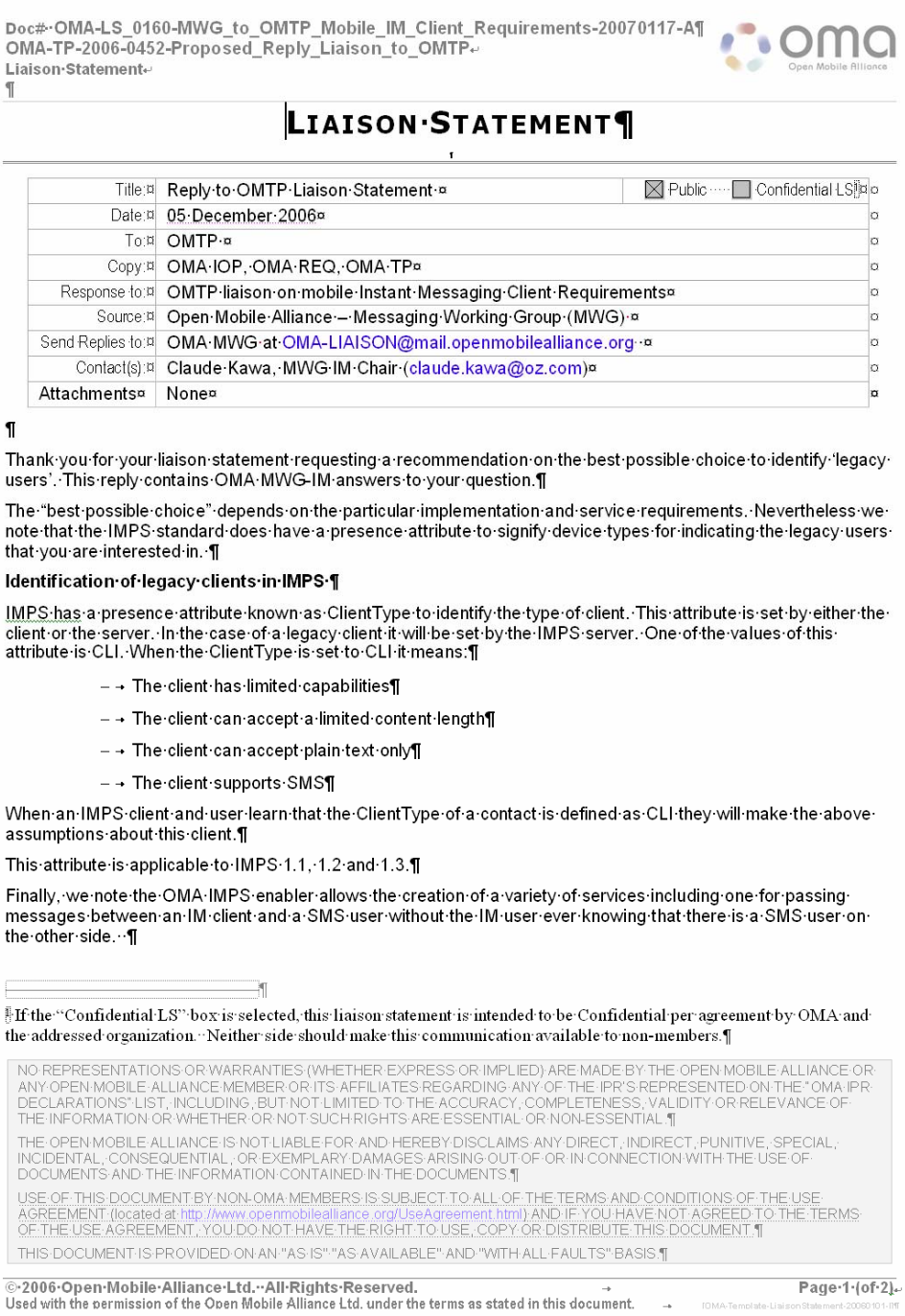
| ABBREVIATION | DESCRIPTION |
|---|---|
| **3GPP** | 3rd Generation Patnership Project |
| **AoC** | Advice of Charge |
| **CLI** | Command Line Interface |
| **CSP** | Client to Server Protocol standardised in OMA IMPS |
| **GSM** | Global System for Mobile Communications |
| **GSMA** | GSM Association |
| **HLR** | Home Location Register, MNO network element in 3GPP GSM standard |
| **IM** | Instant Messaging |
| **IMPS** | Instant Messaging and Presence Service, OMA standard describing the client-server and server-server protocol for an instant messaging and presence service. Formerly known as “Wireless Village” |
| **IMSP** | IM Service Provider |
| **IM&P** | Instant Messaging and Presence |
| **MIM** | Mobile Instant Messaging |
| **MNO** | Mobile Network Operator |
| **MSISDN** | Mobile Station Integrated Services Digital Network Number (= mobile phone number) |
| **OMA** | Open Mobile Alliance |
| **PRD** | Permanent Reference Document |
| **SMS** | Short Message Service (=text service) |
| **UE** | User Experience |
| **UI** | User Interface |

| ABBREVIATION | DESCRIPTION |
|---|---|
| **UID** | User Identification<br>Parameter of OMA IMPS standard defining a unique User. |

# 7 REFERENCED DOCUMENTS

| NO. | DOCUMENT | AUTHOR | DATE |
|---|---|---|---|
| **1** | DRAFT Personal IM Use Cases (IM Phase 1) IPIAG Gen Doc 002_06r3 | GSMA | 27 Sep 2006 |
| **2** | RFC 2119 - Key words for use in RFCs to Indicate Requirement Levels | IETF | |
| **3** | OMA: OMA IMPS specifications 1.2.x and 1.3 | OMA | 05 Dec 2006 |

# APPENDIX A – OMA LIAISON STATEMENT



Doc#: OMA-LS_0160-MWG_to_OMTP_Mobile_IM_Client_Requirements-20070117-A
OMA-TP-2006-0452-Proposed_Reply_Liaison_to_OMTP
Liaison Statement

## LIAISON STATEMENT

| | | |
|---|---|---|
| Title: | Reply to OMTP Liaison Statement | ☒ Public ☐ Confidential LS |
| Date: | 05 December 2006 | |
| To: | OMTP | |
| Copy: | OMA IOP, OMA REQ, OMA TP | |
| Response to: | OMTP liaison on mobile Instant Messaging Client Requirements | |
| Source: | Open Mobile Alliance – Messaging Working Group (MWG) | |
| Send Replies to: | OMA MWG at OMA-LIAISON@mail.openmobilealliance.org | |
| Contact(s): | Claude Kawa, MWG IM Chair (claude.kawa@oz.com) | |
| Attachments | None | |

Thank you for your liaison statement requesting a recommendation on the best possible choice to identify 'legacy users'. This reply contains OMA MWG IM answers to your question.

The "best possible choice" depends on the particular implementation and service requirements. Nevertheless we note that the IMPS standard does have a presence attribute to signify device types for indicating the legacy users that you are interested in.

**Identification of legacy clients in IMPS**

IMPS has a presence attribute known as ClientType to identify the type of client. This attribute is set by either the client or the server. In the case of a legacy client it will be set by the IMPS server. One of the values of this attribute is CLI. When the ClientType is set to CLI it means:

- The client has limited capabilities
- The client can accept a limited content length
- The client can accept plain text only
- The client supports SMS

When an IMPS client and user learn that the ClientType of a contact is defined as CLI they will make the above assumptions about this client.

This attribute is applicable to IMPS 1.1, 1.2 and 1.3.

Finally, we note the OMA IMPS enabler allows the creation of a variety of services including one for passing messages between an IM client and a SMS user without the IM user ever knowing that there is a SMS user on the other side.

If the "Confidential LS" box is selected, this liaison statement is intended to be Confidential per agreement by OMA and the addressed organization. Neither side should make this communication available to non-members.

Doc#·OMA-xxx-Reply-OMTP_LS¶
Liaison·Statement↵
¶

·If·you·have·any·other·question,·please·do·not·hesitate·to·contact·us.·OMA·MWG-IM·is·looking·forward·to·collaborate·with·you·on·IM·matters.¶




**-------- END OF DOCUMENT --------**