Doc# OMA-REQ-2003-0409r2-LS_ to 3GPP/3GPP2 re PoC
Originated by OMA Requirements Working Group
17th July 2003

LIAISON STATEMENT

Title:	Need for OMA Liaison with 3GPP and 3GPP2 re PoC
To:	3GPP TSG SA (Chair: Niels Andersen, NielsPeter_Andersen@Europe30.mot.com)
	TSG CN (Chair: Stephen Hayes, EUSSRH@am1.ericsson.se)
	TSG T (Chair: Sang-Kuen Park, skpark@samsung.com)
	TSG RAN (Chair: Francois Courau, francois.courau@alcatel.fr)
	TSG GERAN (Chair: Neils Andersen, NielsPeter_Andersen@Europe30.mot.com)
	and
	3GPP2 TSG-S (Chair: Richard Robinson, rrobin01@sprintspectrum.com)
Copy:	OMA Groups: IP MM BoF, Ops & Procs and MAG PoC SubWG (tentative name)
Response to:	
Source:	OMA Requirements Working Group
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Attachments:	OMA-REQ-2003-0231r5 (PoC Work Item Description)

1   Overview

Push-to-Talk over Cellular (PoC) standardisation activity has recently started in OMA.

Although PoC, as in other OMA service enablers, is 'bearer agnostic' in principle, a cursory look at the issues identified the potential that PoC standardisation in OMA may impact on the infrastructure and terminal specifications by 3GPP and 3GPP2.

The purpose of this LS is twofold:

a)   To familiarise 3GPP and 3GPP2 with the PoC activities in OMA

– please see the attached TP-Approved PoC work item description.

b)   For work planning purposes, to invite suggestions from 3GPP and 3GPP2 as to

-   how best to minimise or eliminate duplication of work between OMA and 3GPP/3GPP2 to allow smooth integration of PoC service enabler with the respective radio access, core network and terminal systems; and

-   to identify appropriate points of contact within their organisations to facilitate ongoing liaison on specific issues, as they arise.

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Information received from 3GPP and 3GPP2 is expected to benefit several groups within OMA, including at least:

- The Requirements Group breakout team, who is developing the PoC Requirements Document;

- The IP MM BoF, who is developing recommendations to allow maximum leveraging of IMS architecture & capabilities for OMA service enablers (such as, PoC); and

- The new technical sub working group within the Mobile Applications Group, who will develop the PoC Technical Specifications Document.

2   Proposal

None at this time.

3   Requested Action(s)

3GPP and 3GPP2 are kindly asked to respond to this LS.

4   Conclusion

OMA Requirements Group would like to inform 3GPP and 3GPP2 of the PoC standardisation work just started in OMA and also ask that 3GPP and 3GPP2 for any suggestions to minimise or eliminate any potential duplication of work going forward.

Next Meeting:

OMA Technical Plenary   8th – 12th Sept. 2003   Berlin, Germany

OMA-Template-LiaisonStatement-20030321

New Work Item

Push to Talk over Cellular (PoC)

Work Item Details:

Responsible Working Group: **Requirements group**
Subgroup:

Description and Objectives of Work to be Undertaken (including Justification and Use Cases):

This work item is created to develop specifications for an open standard to enable adoption of direct-call push to talk service over mobile networks. Push to talk service is a two-way form of communications that allows users to engage in immediate communication with one or more receivers, similar to Walkie Talkie - simply by pushing a button on their handsets. E.g., users receiving the transmission hear the sender's voice automatically without having to answer the call. Push to talk is a cost-efficient, simple to use direct voice service that has attracted wide industry interest and public acceptance.

In order to avoid market fragmentation a common standard is needed. The aim is to utilize the existing specifications from IETF and capabilities of the 3GPP IP Multimedia Subsystem (IMS) as well as 3GPP2 Multimedia Domain (MMD) for enabling IP connections between mobile terminals. The interoperable technology resulting from this work will allow mobile terminals and networks to be used for push to talk communication using a variety of access networks.

This work item can be divided into following tasks:

Task 1) Define the market requirements and expectations for PoC and demonstrate these requirements with high-level use cases.

Task 2) Define the architecture for PoC including enablers. Illustrate this architecture with more detailed use cases.

Task 3) Define an interoperable specification for PoC.

Task 4) Create test suites for PoC.

Deliverable(s):

The deliverables from this work item will include (but not limited to):

Task 1) Market Requirement Definition for PoC including use cases

Task 2) Architecture documents for PoC

Task 3) Specification documents for PoC including enabler API's

Task 4) IOP test case documents for PoC.

Throughout the work, liaison statements and change requests will be issued as needed against other work.

Existing Specifications or Documents Affected:

The existing specifications include (list might not be complete):

- 3GPP specifications for IMS

- 3GPP2 specifications for MMD

Linked Work Items:

Currently there are no work items directly linked to this Work Item.

Linked Affected OMA Groups and External Fora

OMA ARCH, REQ, IMPS, MWS
3GPP SA WG1, SA WG2, SA WG5, CN WG1
3GPP2 TSG-X, TSG-S WG1
IETF

Key Impacts:

Service Requirements				Arch	Charging	Security	IOT
Smart Card	**Terminals**	**Servers**	**Access**	**X**	**X**	**X**	**X**
X	**X**	**X**	**X**				

Service Impacts:

Enables direct two-way communication that allows users to engage in immediate communication with one or more receivers. Users receiving the transmission hear the sender's voice automatically without having to answer the call.

Architecture Impacts:

The need for changes to architecture is not foreseen. TBD.

Charging/Billing Impacts:

Charging and billing models for PoC will be needed. TBD.

Security Impacts:

TBD

IOT Impacts:

TBD

Rapporteur (named individual person):

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Supporting OMA Member Organizations:

   a) Full Members

      AWS, Ericsson, Fujitsu, Lucent, Nokia, Siemens, T-Mobile International, Cingular Wireless

Work Schedule:

Milestone	Target Date
Work Item Created	24.3.2003
Work Item Adopted by Technical ~~Body~~Plenary	~~(date)~~17.4.2003
Start of Work	~~(date)~~06.05.2003

Intermediate Progress Milestones (optional)
  ~~(title)~~RD draft ver. 1.0 Review
  ~~(title)~~Conference Calls
  ~~(title)~~
	
	~~(date)~~June 9-13, 2003 Atlanta TP
	~~(date)~~TBD
	~~(date)~~

~~Deliverable(s)~~RD Review -by REQ WG	~~(date)~~Sept. 8-12, 2003 Berlin TP
~~Deliverable(s) Approved~~RD Approved -by Technical Plenary	~~(date)~~Nov. 10-14, 2003 London TP

Document History:

Version	Date	Notes
0.1.2	24.3.2003	First Draft
0.1.3	01.04.2003	Changes agreed on Req conf call 20030401
0.1.4	03.04.2003	Editorial change: TSG-CN to TSG-X
0.1.5	09.05.2003	Work Schedule added
0.1.6	12.05.2003	Work Schedule aligned with PoC breakout session agreements (Req meeting /Loipersdorf 20030509)