OMA-REL-2010-0026r1-INP_Approaches_to_enabler_profiling

Potential approaches to profiling OMA specs

Submitted To: OMA REL

Date: 2 Mar 2010

Availability: [X] Public   [ ] OMA Confidential

Contact: C. Wardale (C.Wardale@eu.nec.com)

S. Ramanan (S.Ramanan@eu.nec.com)

Source: NEC

OMA-REL-2010-0026r1   **Slide #1**

[OMA-Template-SlideDeck-20100101-I]

Background

❑ This addresses an action from TP to REL to identify a common way of representing profiles.

❑ We briefly review approaches and experience from other organisations which have 'profiled' OMA specs.

❑ The organisations analysed that refer to and use OMA specs are

  ➢ BMCO Forum – OMA BCAST v1.0 Enabler

  ➢ GSMA RCS – Presence, IM, XDM, (CPM, CAB)

BMCO Forum Implementation profiles

❑BMCO Forum accelerated the development of OMA BCAST implementations by releasing implementation profiles of OMA BCAST v1.0 Enabler.

❑The implementation profiles consist of key features/functions from the large set available

➢The profiles are valid subsets of the OMA BCAST v1.0 Enabler specs.

➢common standards-based prioritized feature set were agreed between operators, system and handset vendors

➢Take into consideration pressing commercial/industry requirements

➢Focused on implementations for early launching of mobile TV services

➢Facilitates interoperability and availability of interoperable products as fast as possible.

❑Contributors to BMCO Forum were largely independent from delegates who originally contributed to BCAST specs.

• This helped the selection of a practical and realistic Implementation profiles based on OMA BCAST specs.

• (this independence had the pragmatic benefit of removing impractical pet features.)

❑Key requirements for profile derived from merging profiles of individual key stakeholders (no formal requirements docs were created)

OMA-REL-2010-0026r1

[OMA-Template-SlideDeck-20100101-I]

Example - BMCO Forum Implementation profile

The profile docs specify what is within scope or out of scope for a particular implementation profile with reference to respective OMA BCAST v1.0 Enabler specs.

OMA function excluded from profile

OMA attribute included

OMA feature included with specific condition

OMA specs in GSMA RCS

❑ RCS specify address book based services such as content sharing, file transfer enhanced messaging, SMS/MMS and instant messaging through better integration and interoperability.

❑RCS core releases are in mini-releases to help maintain the momentum and are achieved in 6-12 month time frame.

❑Specify a core feature set leveraging existing standards and guidelines already defined by other forums (e.g., OMA, 3GPP, ETSI and the GSMA).

❑Three major deliverables of the Releases

➢Service Definition doc - Provides high level description and the fundamentals of the RCS service. Also describes use cases and end-user services

➢Functional Description document – Provides functional description of service features and high level requirements of RCS services

➢Technical Realization document + Endorsement doc - describes architecture and technical details needed for RCS services with reference to relevant specs of SDOs and fora.

❑A number of OMA Enablers are reused/referred for specifying RCS service

➢Presence, IM, XDM, SUPL (CAB, CPM)

Standards used in RCS service

RCS Service	Specification Owner
Presence	OMA PAG
Service Capability distribution/discovery	OMA PAG
Multimedia Messaging	OMA IM
Chat	OMA IM
File Transfer	OMA IM
Video Share	GSMA
Image Share	GSMA

Other standards are also referenced such as IETF etc.

Approach to feature selection in RCS

□ BVG (Business Value Group) identify service vision and scope of each releases.

□ In SDG (Service Description Group), member companies (with the guidance of BVG) select and prioritize high level features that they see relevant for the markets

□ Technology Group (TG) go on to identify the OMA, IETF, GSMA specs and sub functions relevant for implementing prioritized feature set.

  ➢ Relatively short and quick releases (through Release 3, target was 6 months/release)

  ➢ Limited and prioritised features/functions from multiple OMA Enablers are selected.

  ➢ OMA SIP/SIMPLE IM 1.0 endorsement doc describes which sections of the OMA SIMPLE IM specification applicable or not applicable to RCS Release.

BVG
Use cases and end-user services (market req)

↓

SDG
High level requirements

↓

TG
technical implementation
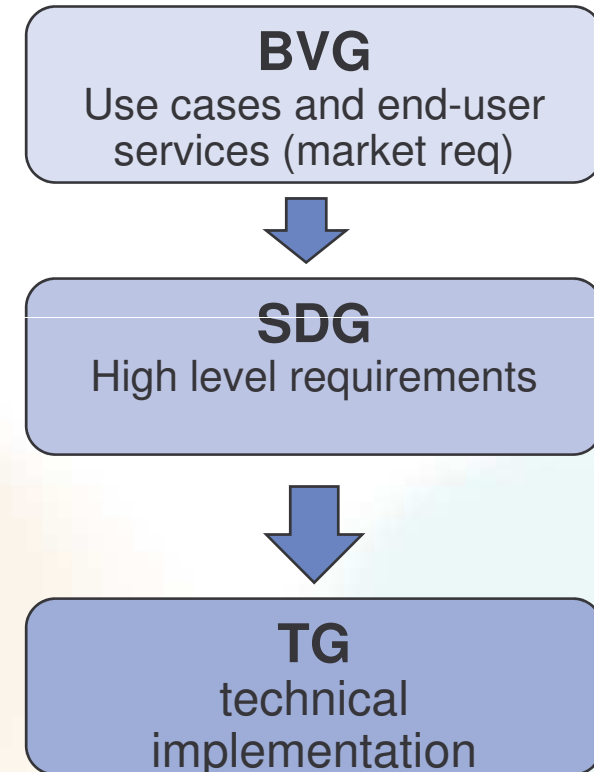
Example – RCS Endorsement doc

GSM Association
RCS Endorsement of OMA SIP/SIMPLE IM

5 COMMON PROCEDURES

5.1 Authenticated Originator's IM Address

No differences with [OMASIMPLEIM].

5.2 IM Service Registration

5.2.1 General

Registration will be done as described in [TECHREAL]. This means one small difference with [OMASIMPLEIM]: In step 2, the feature tags for the other RCS use cases will be included. A further difference is that in Step 2a, the inclusion of the feature-tags '+g.oma.sip-im.system-message' and '+g.oma.sip-im.large-message', is not applicable for RCS.

5.2.2 IM Service registration and re-registration

No differences with [OMASIMPLEIM].

5.2.3 IM service de-registration

Only 1 difference with [OMASIMPLEIM]: in step 2 the feature tags "+g.oma.sip-im.system-message" and '+g.oma.sip-im.large-message' are not applicable for RCS.

5.2.4 IM Service Settings Client procedure

Not applicable for RCS

5.3 Getting Information on Client Status

No differences with [OMASIMPLEIM].

5.4 IM Server sending System Message

Not applicable for RCS

5.5 Display name

Not applicable for RCS

This doc specify what is within scope or out of scope for a particular RCS release.
http://www.gsmworld.com/documents/1_oma_im_endors_v1.pdf

Key points/lessons

❑In both referred examples, industry and service deployment needs are taken into consideration in selecting and prioritising features

❑Formal requirements document helped define scope.

❑Group that developed profiles have strong input from business and marketing areas.

❑Regional market requirements taken into consideration.

❑ Phased approach releases (mini-releases) to help quick product development and market introduction

Conclusions

❑Not only template for the profile, but also the methodology should be defined.

❑These examples define profiles based on published specifications.

❑Further consideration should be given to profiles developed in parallel to a new specification.

❑Profiles are driven by market requirements.

OMA-REL-2010-0026r1

[OMA-Template-SlideDeck-20100101-I]

Thank you

Annex: BMCO Forum Implementation profiles

❑The profile docs specify what is within scope or out of scope for a particular implementation profile with reference to respective OMA BCAST v1.0 Enabler specs.

❑BMCO Forum implementation profile recommendations for the OMA BCAST 1.0 Enablers.

➢**bmco**forum profile - Distribution V2.0 20090630-A - OMA BCAST V1.0

➢**bmco**forum profile - DRM for connected devices V2.0 20090630-A - OMA BCAST V1.0

➢**bmco**forum profile - DRM for nonconnected devices V2.0 20090630-A - OMA BCAST V1.0

➢**bmco**forum profile - DVB Adaptation V2.0 20090630-A - OMA BCAST V1.0

➢**bmco**forum profile - MBMS Adaptation V2.0 20090630-A OMA BCAST V1.0

➢**bmco**forum profile - Service Guide V2.0 20090630-A - OMA BCAST V1.0

➢**bmco**forum profile - Services V2.0 20090630-A - OMA BCAST V1.0

➢**bmco**forum profile - Smartcard profile V2.0 20090630-A - OMA BCAST V1.0

❑Implementation profiles are accessible from the following link

➢http://www.bmcoforum.org/index.php?id=190

Annex: GSMA RCS Release docs

□ **http://www.gsmworld.com/our-work/mobile_lifestyle/rcs/rcs_specification_documents.htm**

□ RCS Release 2 – June 2009

- RCS Release 2 (Jun '09) - Service Definition v1.0
- RCS Release 2 (Jun '09) - Functional Description v1.0
- RCS Release 2 (Jun '09) - Technical Realisation v1.0
- RCS Release 2 (Jun '09) - MMTel 24.173 Endorsement v1.0
- RCS Release 2 (Jun '09) - MMTel 26.114 Endorsement v1.0
- RCS Release 2 (Jun '09) - OMA IM Endorsement v1.0

□ RCS Release 1 Updates - June 2009

- RCS Release 1 Updates (Jun '09) - Functional Description v1.1
- RCS Release 1 Updates (Jun '09) - Technical Realisation v1.1
- RCS Release 1 Updates (Jun '09) - OMA IM Endorsement v1.1
- RCS Release 1 Updates (Jun '09) - Management Objects v1.1

□ RCS Release 1 – December 08

- RCS Release 1 (Dec 08) - Functional Description v1.0
- RCS Release 1 (Dec 08) - OMA IM Endorsement v1.0
- RCS Release 1 (Dec 08) - Technical Realisation v1.0