Technical Specification Group Services and System Aspects   **TSGS#28(05) 0390**

Meeting #28, Quebec, Canada, 6-8 June 2005

LIAISON STATEMENT

Title:	Reply LS on Service connectivity provisioning	☒ Public ☐ Confidential LS[1]
Date:	13 04 2005	
To:	3GPP SA1, GSMA SCAG	
Copy:	3GPP SA	
Response to:	OMA-DM-2005-0174-LS-on-service-connectivity-provisioning (S1-050537)	
Source:	OMA DM	
Send Replies to:	OMA Device Management group, DM chair Peter Thompson, pthompso@qualcomm.com	
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1   Overview

OMA Device Management group thanks 3GPP SA1 for the liaison on service connectivity provisioning. The group has discussed the questions given and provides the answers below. SA1 is correctly informed that similar work is ongoing in OMA. Defined in the scope for the group is to work with both initial and continuous provisioning, this is ongoing and more features will be released in the near future using the DM protocol.

2   Proposal

OMA DM would like to answer SA1's questions in the following way:

1-   What is the status of the work on provisioning within DM?

In OMA the OMA DM specifications are released into one package, called enabler release. After the enabler is ready and approved it will have the status "candidate release". After multiple implementations have proved interoperability on all important features then it is possible to release the enabler as "final release". OMA DM 1.1.2 is finally released. We are currently working on to get the next version, 1.2, to be approved as candidate release. Candidate specs are also public specifications. In addition, we will release several Management Object as separate releases. Currently we are working with the following MO: Firmware, SmartCard, Software Management, Traps, Scheduling and general Connectivity. These MO are still ongoing and will be released as new enablers if they are accepted. The scope for these MO is included in the requirements and WID we have had for OMA DM 1.2 but due to some changes on how these MO are released we will need to create new WID's, Architect Document, Requirements Document and specification for every single MO release.

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[1] 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.

Note that others standardizations bodies including 3GPP and other OMA WG are defining MO and including them in their specifications.

OMA has also released OMA CP 1.1 that is the legacy specification from WAP Forum's Client Provisioning. This release is still in the status Candidate.

The provisioning is divided into two phases: bootstrap including initial provisioning and the next phase is continuous provisioning.

Below is a list of features per release that is relevant for this reply:

OMA DM 1.1.2:

- Standardized Connectivity Management Object that includes for example 3GPP CS and PS parameters, for example APN (Access Point Name).

- Limited support for bootstrap over the air via OMA DM and full support via OMA CP

- Support for different connectivity parameters per application.

OMA DM 1.2:

- The Connectivity Management Object is removed from the DM 1.2 release and the proposal is to release that one as a separate Management Object as described earlier.

- Full support for bootstrap, both over the air and via smart card and as previous release: via OMA CP.

- Support for different connectivity parameters per application.

OMA CP 1.1:

- Provisioning over the air and via smart card.

- Connectivity that includes for example 3GPP CS and PS parameters, for example APN (Access Point Name).

- Support for different connectivity parameters per application.

2- Is there any provisioning on the UICC already mandated in OMA-DM specifications?

It is optional in the specifications. If we release the smart card MO as described above then it is also an optional release.

3- If not, will there be any mandatory provisioning on the UICC and will this be done within 3GPP release 7 time frame?

In DM 1.2 it is possible to bootstrap via two different formats, one is using the format specified in CP and the other format is specified within DM. If the device supports bootstrap using the DM format then it is mandatory to support bootstrap from the smart card. The support for the different formats is optional.

4- In the case where provisioning on the UICC is defined, or will be defined by OMA within the release 7 time frame, could OMA-DM inform 3GPP-SA1 if the requirements in the attached CR are or will be fully covered by OMA-DM work? Otherwise could you inform us which of our requirements will not be met?

Since we don't know when the release 7 time frame ends or what we will have released during that time frame, we will only be able to answer that provisioning of connectivity and different applications is in our scope both over the air and via smartcard.

Both DM (1.1.2 and 1.2) and CP (1.1) allow support for different connectivity parameters per application.

Detailed answers on the different use cases from document S1-050527:

Use Case 1:

This Use Case is an exact copy of the use case we have in our requirements document for OMA DM 1.2 and this feature is supported from version 1.1.2 of OMA DM.

Use Case 2:

Currently we do not support the storage of new or updated management object on the smart card in OMA DM. That is in the scope for the separate smart card release as described above. It is also possible for the PoC application to store the PoC management object in the device and then it is possible to update that management object with OMA DM 1.1.2 and upwards. It is also supported via OMA CP 1.1 from either over the air or from the smart card.

Use Case 3:

The bootstrap information is supported in OMA DM 1.2 and the upcoming smart card enabler release scope covers storing of management objects in the smart card. OMA CP version 1.1 already supports that from the smart card.

Use Case 4:

Browsing application is currently not in scope for OMA DM and OMA CP. However it is possible to create a MO's for any application that may include support for managing fallback ordering of bearers. It is not in the work plan in OMA DM WG to prepare a MO for a browsing application.

3   Requested action(s)

OMA DM look forward for detailed requests of provisioning functionality so OMA DM will be able to answer on these. We usually have conference calls every week and will be able to handle LS responses at the CC as well as our face-to-face meetings.

Note that it is expected that devices may support either OMA CP or OMA DM or both. Devices that support only OMA DM still need to be provisioned and it is suggested that SA1 consider adding a reference to OMA DM.

4   Conclusion

OMA DM group would like to thank 3GPP SA1 for bringing this issue to OMA DM's attention. We hope that with this reply we have clarified our scope on what is released and ongoing in OMA DM group and are looking forward to a closer cooperation with 3GPP SA1.