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Title: Service Delivery Platform (SDP) standards roadmap – initial draft

LIAISON STATEMENT

For action to: **OMA ARC, ATIS CSF, IEEE NGSON, ITU-T SG9, ITU-T SG16**

For comment to:

For information to:

Approval: **Agreed at WP 2/13 meeting**

Deadline: **10 April 2012**

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A key outcome of the Oct 17th 2011 ITU-T workshop on Service Delivery Platforms (SDP) http://www.itu.int/ITU-T/worksem/sdp/index.html was the agreement among the four participating SDOs, respectively ITU-T (SG13), Open Mobile Alliance, ATIS (CSF), IEEE (NGSON), on the joint development of a common SDP standards roadmap, in order to promote synergy among the SDOs involved in SDP standardization related activities and to drive the future steps of the SDP standardization in a coordinated fashion. NOTE: it is expected that other SDOs would join this initiative in the future.

As follow up to that workshop for the implementation of that agreement, an input from the Q3/13 Rapporteur, providing some initial content for this common SDP standards roadmap, was discussed, enhanced and finally agreed at the last ITU-T SG13 meeting (Geneva, 6-17 February, 2012) as an initial draft of the SDP standards roadmap – see Annex.

In order to activate the coordination process towards a common SDP standards roadmap, ITU-T SG13 would like to invite your respective expert groups to identify the SDP technical standardization items of interest for your members - new ones and/or contained in this initial table - and fill in the information as described in the table, including your relevant published and ongoing related specifications and any other useful information.

SG13 aims to achieve, in a reasonable time frame, consensus across the various relevant SDOs on a set of priority items for the future SDP standardization activity.

SG13 wishes to thank you for your collaboration and looks forward to continuing it in the future.

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Annex – Initial draft of SDP standards roadmap for coordination across relevant SDOs

SDP domain	**SDP technical item requiring (further) standardization**	**Description of the key standardization objectives for the technical item**	**Priority of the technical item (High/ Medium/ Low) NOTE: the objective of this column is to develop a shared level of priority for the various technical items across the involved SDOs**	**SDOs to be involved in the standardization work related to the technical item**	**Available basic standards specifications (requirements, other specifications) to build on for the standardization work related to the technical item** **NOTE: basic specifications from ITU-T SG13 include Y.2240 and Y.2234. Detailed analysis of the applicability of ITU-T specifications to the technical items will be provided in following version of this table.**	**Estimated target time for the availability of the standards specification(s) related to the technical item (Year/Quarter) NOTE: the objective of this column is to develop a shared time frame across the involved SDOs for the availability of the standards specification(s).**	**Other information (additional information which can be provided by the involved SDOs)**
Integration of resources and capabilities from providers	Resource and capability interfaces from providers	Standardization of resource and capability interfaces provided by different resource domains (e.g. Telecom, Internet, Broadcast etc.) and different providers (e.g. service providers, content providers, cloud providers etc.)					
Application publishing	Interfaces between SDP and application store	Standardization of interfaces between SDP and application store to facilitate application provisioning and management in SDP					
	Interfaces between SDP and portal	Standardization of interfaces between SDP and portal for self management and self operations for administrator, application provider, content provider and end-users					
Support of IoT (Internet of Things)	SDP adaptation and integration of IoT resources	Standardization of SDP capabilities (i.e. adaptation & integration) for IoT					
	IoT applications support based on SDP	Standardization of interfaces provided by SDP for IoT applications					
Cloud enabled SDP	Role of SDP in terms of integration of cloud	SDP deployment in Cloud environment to realize cloud					

	resources and their exposure to 3rd parties	enabled SDP					
	Applications deployment based on virtualized resources	SDP support for application deployment using virtualized machines (e.g. virtual appliances)					
	Applications deployment using distributed storage resources	SDP support for application deployment using distributed storage resources					
	APIs for SDP platform in cloud environment	Open APIs (e.g. service enabler management, service management, tenant management)					
Distributed deployment	SDP functional decoupling (SDP subsystems)	Definition of SDP subsystems and their respective functions					
	Distribution of the construction and deployment of each SDP subsystem	Standard interfaces among SDP subsystems					