

Source: SA5 (Telecom Management)
Title: Updated WID Rel-6 Sum
Document for: Approval
Agenda Item: 7.5.3

Work Item Description

Title Subscription Management (Feature: SuM)

1 3GPP Work Area

	Radio Access
	Core Network
X	Services

2 Linked work items

(31008) Generic User Profile (GUP)
OAM (SA5)

3 Justification

Subscription Management standardization will significantly enhance the ability of 3GPP based networks to offer complex services in the areas of:

- Multimedia
- Data services

In light of developments both within 3GPP (e.g. GUP) and outside 3GPP to identify and utilize subscription data it is appropriate for release 6 to liaison and coordinate tasks within 3GPP necessary to assess the task of SuM. On-going efforts within the mobile community to define advanced subscription management functionality (i.e. Liberty Alliance) should provide valuable insight into developing SuM functionality for 3GPP.

4 Objective

This work item will refine the operational requirements, and define an architecture, data models, and NRM IRP leading to solutions necessary for Subscription Management.

This work item will derive Release 6 Subscription Management Work Tasks to support a partial Subscription Management solution.

5 Service Aspects

This Work Item will develop SuM capabilities arising from service requirements (as defined by S1) of Rel-6.

6 MMI-Aspects

No MMI aspects to be addressed

7 Charging Aspects

No Charging Aspects to be addressed.

8 Security Aspects

To the extent possible Subscription Management will align its security solution with those being proposed for Itf-N within SA5 and within SA3.

9 Impacts

3GPP

Affects:	UICC apps	ME	AN	CN	Others
Yes				X	
No	X	X	X		X
Don't know					

10 Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime resp. WG	2ndary resp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
32.140	Subscription Management (SuM) requirements	SA5		12/2002	03/2003	Completed SA#19
32.141	Subscription Management (SuM) architecture	SA5		03/2003	06/2003	Completed SA#21
32.171	Subscription Management (SuM) Resources IRP: Requirements	SA5		12/2003	06/2004	Completed SA#24
32.172	Subscription Management (SuM) Resources IRP: Network Resource Model	SA5		12/2003	12/2004	Completed SA#26
32.175	Subscription Management (SuM) Resources IRP: XML definition	SA5		03/2005	03/2005	Current baseline draft V 0.1.0
32.803	Process Guide; Use Cases in Unified Modelling Language (UML)	SA5		03/2004	09/2004	Completed SA#25
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	

11 Work item rapporteurs

Istvan Aba (T-Mobile)

12 Work item leadership

SA5

13 Supporting Companies

T-Mobile, Lucent, Motorola, Nokia, Ericsson, Nortel Networks, Orange, TeliaSonera, Vodafone Group, Siemens .

14 Classification of the WI (if known)

X	Feature (go to 14a)
	Building Block (go to 14b)
	Work Task (go to 14c)

14a The WI is a Feature: List of WTs under this Feature

SuM Requirements (TS 32.140)
SuM Architecture (TS 32.141)
SuM Resources IRP (TS 32.171, TS 32.172, TS 32.175)
Use Case Methodology (TR 32.803)

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~~Technical Specification Group Services and System Aspects Meeting #17, Biarritz, France, 9-12 September 2002~~ ~~TSGS#17(02)0448~~

~~Source: SA5 (Telecom Management)~~
~~Title: Rel-6 Feature-level WID on Subscription Management (SuM)~~
~~Document for: Approval~~
~~Agenda Item: 7.5.3~~

~~3GPP TSG SA5 (Telecom Management) Meeting #30, Tampere, FINLAND, 19-23 August 2002~~ ~~S5-022230~~

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1 3GPP Work Area

	Radio Access
	Core Network
X	Services

2 Linked work items

(31008) Generic User Profile (GUP)
OAM (SA5)
~~(15010) Rel-6 OSA Enhancements (SA1)~~

3 Justification

Subscription Management standardization will significantly enhance the ability of 3GPP based networks to offer complex services in the areas of:

- Multimedia
- Data services

In light of developments both within 3GPP (e.g. GUP) and outside 3GPP to identify and utilize subscription data it is appropriate for release 6 to liaison and coordinate tasks within 3GPP necessary to assess the task of SuM. On-going efforts within the mobile community to define advanced subscription management functionality (i.e. ~~OMA and~~ Liberty Alliance) should provide valuable insight into developing SuM functionality for 3GPP.

4 Objective

This work item will refine the operational requirements, and define an architecture, data models, and [NRM IRPs](#) leading to solutions necessary for Subscription Management. ~~There is an expectation that some of the Work Tasks will need to be carried out jointly between SA5 and other 3GPP TSGs/WGs.~~

This work item will derive ~~all necessary~~ Release 6 Subscription Management Work Tasks to support a ~~detailed~~ [partial](#) Subscription Management solution.

5 Service Aspects

This Work Item will develop SuM capabilities arising from service requirements (as defined by S1) of Rel-6.

6 MMI-Aspects

No MMI aspects to be addressed

7 Charging Aspects

No Charging Aspects to be addressed.

8 Security Aspects

To the extent possible Subscription Management will align its security solution with those being proposed for Itf-N within SA5 and ~~for Generic User Profiles~~ and within SA3.

9 Impacts

Affects:	UICC apps	ME	AN	CN	Others
Yes				X	
No	X	X	X		X
Don't know					

10 Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime resp. WG	2ndary resp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
32.140	Service Operations Management: Subscription Management (SuM) requirements Requirements	SA5		12/02	03/03	Completed SA#19
32.141	Service Operations Management: Subscription Management (SuM) Architecture architecture	SA5		03/03	06/03	Completed SA#21
32.XXX	Service Operations Management: Subscription Management Architecture	SA5		TSG/20 (03/03)	TSG/21 (06/03)	
32.XYZ	Service Operations Management: Subscription Management Data Model and Protocols	SA5		TSG/20 (06/03)	TSG/21 (09/03)	Will be evaluated based on architecture document
32.171	Subscription Management (SuM) Resources IRP: Requirements	SA5		12/2003	06/2004	Completed SA#24
32.172	Subscription Management (SuM) Resources IRP: Network Resource Model	SA5		12/2003	12/2004	Completed SA#26
32.175	Subscription Management (SuM) Resources IRP: XML definition	SA5		03/2005	03/2005	Current baseline draft V 0.1.0
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Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	

11 Work item rapporteurs

~~Michael Eder (Nokia)~~ Istvan Aba (T-Mobile)

12 Work item leadership

SA5

13 Supporting Companies

T-Mobile, Lucent, Motorola, Nokia, ~~Alcatel~~, ~~AT&T Wireless~~, Ericsson, ~~FT~~, Nortel Networks, Orange, ~~Sonera SmartTrust~~, TeliaSonera, Vodafone Group, Siemens .

14**Classification of the WI (if known)**

X	Feature (go to 14a
	Building Block (go to 14b
	Work Task (go to 14c

14a The WI is a Feature: List of [WTs](#)~~building blocks~~ under this Feature

~~OAM-AR~~

~~OAM-NIM~~

[SuM Requirements \(TS 32.140\)](#)

[SuM Architecture \(TS 32.141\)](#)

[SuM Resources IRP \(TS 32.171, TS 32.172, TS 32.175\)](#)

[Use Case Methodology \(TR 32.803\)](#)