Source:	**SA1**
Title:	**Proposed WID on Feature Interactions Requirements**
Document for:	**Approval**
Agenda Item:	**7.1.3**

Work Item Description

Title: Study of Feature Interactions Requirements

1   3GPP Work Area

	Radio Access
X	Core Network
X	Services

2   Linked work items

All Stage 1 Service Descriptions.

3   Justification

A variety of different services, service enablers, and capabilities are being standardized by 3GPP. There are potential feature interactions among these various services, service enablers, and capabilities. However, such feature interactions are usually not sufficiently documented in most current 3GPP Technical Specifications.

When the SA1 Stage 1 Technical Specifications are developed and approved, the Stage 2 and Stage 3 developments are distributed among various Working Groups, Sub-Working Groups, and Ad Hoc Groups within 3GPP. Many times, these other 3GPP groups are only focused on the specific SA1 Technical Specification that is directly related to their specific work item. Consequently, these groups are not always aware of the potential interactions with other features, which can result in incomplete, incorrect, or conflicting specifications

4   Objective

SA1 will identify the required feature interactions between the services, service enablers, and capabilities defined in the SA1 Stage 1 Technical Specifications. The resulting information will be the basis for new WIDs or enhancements to existing WIDs to specify the detailed feature interactions for the impacted services, service capabilities, and features. Another result should be to determine whether to specify the Feature Interactions in a separate Stage 1 TS, or to distribute the information in the individual Stage 1 TSs. The definition of the architecture and protocols required to satisfy such feature interactions is beyond the scope of SA1.

5   Service Aspects

Conflicts, incompatibilities, or modifications of one feature's characteristics due to interactions with another active feature need to be specified. Similarly, independence between features should also be noted.

6   MMI-Aspects

   None

7   Charging Aspects

None

8   **Security Aspects**

None

9   **Impacts**

Affects:	USIM	ME	AN	CN	Others
Yes				**X**	
No					
Don't know	**X**	**X**	**X**		

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

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
	TR on Feature Interaction	**SA1**		**18 (12/02)**	**19(03/03)**	
Affected existing specifications						
Spec No.	CR	Subject			Approved at plenary#	Comments

11   **Work item rapporteur**

        TBD

12   **Work item leadership**

        SA1

13   **Supporting Companies**

        AT&T Wireless Services, SBC Communications Inc, RIM, Lucent

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 building blocks under this feature

NONE

14b   The WI is a Building Block: parent Feature

(one Work Item identified as a feature)

14c   The WI is a Work Task: parent Building Block

(one Work Item identified as a building block)