

Source: SA1
Title: New WI on Network Selection Enhancements
Document for: Approval
Agenda Item: 7.1.3

Work Item Description

Title: Network Selection Enhancements

1 3GPP Work Area

	Radio Access
X	Core Network
	Services

2 Linked work items

(list of linked WIs)

3 Justification

As Circuit Switched services were made available commercially first, many network operators have roaming agreements in place with multiple operators in a given country to support these services.

As GPRS has been introduced it has been necessary for operators to introduce additional roaming agreements for its support. Inevitably these are not yet as extensive in number as the roaming arrangements in place for circuit switched services.

Furthermore, it is not necessarily the case that GPRS roaming agreements will be arranged in an order that is consistent with the priority of the PLMN's listed in the Operator List.

In fact experience has shown that the current network selection procedure can lead to a roaming UE selecting a network with which the HPLMN does not have a GPRS roaming agreement, even though there is a network available with GPRS roaming agreement in place.

Under current procedures the only option available to the user would be to ascertain the name of the operator in the visited country with whom their PLMN has GPRS roaming and make use of the manual network selection procedure. This approach is not suitable for many users who may find this unduly complex.

As the range of devices available on the market diversifies there will be a number which rely upon the ability to use GPRS to enable key parts of their functionality. It would be advantageous if the network selection procedure for such devices would give precedence to the VPLMNs with which the HPLMN has a GPRS roaming agreement.

4 Objective

Improve the user experience when roaming with GPRS services.

5 Service Aspects

None

6 MMI-Aspects

None

7 Charging Aspects

None

8 Security Aspects

None

9 Impacts

Affects:	UICC apps	ME	AN	CN	Others
Yes	X	X		X	
No			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
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	
22.011		Introduction of Requirements		TSG SA#27		
31.102		Addition of new information fields		TSG SA#27		

11 Work item raporteurs

Paul Carpenter, Research In Motion

12 Work item leadership

13 Supporting Companies

Axalto, Nokia, Orange, Qualcomm, Research In Motion, T-Mobile, Vodafone

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

(list of Work Items identified as building blocks)

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)