

**Source:** TSG SA WG2 (S2-023645)  
**Title:** WID on Early UE handling in the 3GPP system  
**Agenda Item:** 7.2.3

### Work Item Description

Title: Early UE handling in the 3GPP system

#### **1 3GPP Work Area**

X	Radio Access
X	Core Network
	Services

#### **2 Linked study items**

RAN SI on Early UE handling

#### **3 Justification**

The stimulus for the work is the concern that mobiles are unable to be fully tested against all of the features (or combinations of features) in the 3GPP standards. Hence when one of the un-tested features is “switched on” in a network, there is a risk that some mobiles will not work with this feature (or particular combination of features). Hence, Operators are keen that methods are available that provide the ability to handle these early mobiles in a smooth manner.

#### **4 Objective**

The objective of this Work Item is to study the 3GPP architecture impacts and merits of handling indications regarding UE maturity (without duplicating work that is within the responsibility of TSG-RAN).

The candidates identified by TSG RAN, as a complement to the new TR (equivalent to 09.94), were:

- 1) Hooks included into some early RRC messages; hook may be IMEI-SV, derived from IMEI-SV, or other indication
- 2) Extension mechanism to the RRC messages allowing rel-99 corrections, when rel-4 changes needs to be backwards compatible.
- 3) IMEI-SV solution to the CN, with an indication to the UTRAN and GERAN; indication may be derived from IMEI-SV or may be IMEI-SV itself.

In order that the relative merits of these methods can be studied, it is required that outstanding issues with their handling are resolved.

**5 Service Aspects**

No

**6 MMI-Aspects**

No

**7 Charging Aspects**

No

**8 Security Aspects**

No

**9 Impacts**

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

Some techniques identified by this TR impact the ME while others don't.

Some techniques identified by this TR impact the CN while others don't.

**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
TR ue.8de	<b>Provision of UE Specific Behaviour Information to Network Entities</b>	SA 2		18	18	
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	

**11 Work item rapporteurs**

Chris Pudney (Vodafone Ltd)

**12 Work item leadership**

SA WG2

**13 Supporting Companies**

Vodafone Group, H3G, Nokia, Ericsson, Orange, Siemens, Lucent, NEC, Nortel, Motorola, Fujitsu, DoCoMo.

**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  
Yes. RAN SI on Early UE Handling

14b The WI is a Building Block: parent Feature

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