

## Work Item Description

### **Title: ASCI Release 4 enhancements**

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

x	GSM Radio Access
x	Core Network
	Services

#### **2 Linked work items**

None

#### **3 Justification**

As required by the EC Directive 96/48 on High Speed Train Interoperability, European railways are actually introducing GSM for Railways (GSM-R); Railways of other countries world-wide have decided to introduce GSM-R or indicated their interest to introduce GSM-R. Further EC directives to widen the application in European railways are in preparation.

Some Release 4 enhancements of ASCI are required for proper operation (and also requested by the TSI, Technical Standards for Interoperability).

#### **4 Objective**

Objective of the work item is to fulfil functional and operational requirements for railways operation.

#### **5 Service Aspects**

The proposed enhancements imply improvement of service aspects of VBS and VGCS (possibility to add operator-to-dispatcher information, VGCS / VBS ciphering for the common channels).

#### **6 MMI-Aspects**

In how far MMI aspects (example: indication that ciphering is applied) have to be defined in the specifications, has to be elaborated.

#### **7 Charging Aspects**

Definition of ASCI related event records is part of the work item.

#### **8 Security Aspects**

Introduction of VGCS/VBS ciphering is part of the work item.

#### **9 Impacts**

<b>Affects:</b>	<b>USIM</b>	<b>ME</b>	<b>AN</b>	<b>CN</b>	<b>Others</b>
<b>Yes</b>	x	x	x	x	
<b>No</b>					
<b>Don't</b>					

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

Note: An update of the specification numbers is expected due to a general restructuring under consideration. As the exact transfer of responsibilities has to be defined, reference to TSG meetings as a whole is made.

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	

**11 Work item raporteurs**

Sonia Garapaty, Iain Sharp - Nortel Networks

**12 Work item leadership**

CN1, CN4

**13 Supporting Companies**

Arcor, Kapsch, Nortel, Siemens, UIC, Sagem

**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

- operator-to-dispatcher information; associated work tasks:
  - \* stage 1 outstanding issues (if any)
  - \* stage 1 outstanding issues (if any)
  - \* stage 1 outstanding issues (if any)
  - \* AT commands
  - \* MS testing outstanding issues (if any)
  - \* SIM outstanding issues (if any)
- VGCS / VBS ciphering
- tracing for ASCI
- event records for ASCI
- ASCI related AT commands
- interaction ASCI-GPRS
- Technical enhancements and improvement of ASCI features

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)