

21-24 May 2001

Phoenix, USA

**Source:** Vodafone  
**Title:** Revised FIGS/IST work item description  
**Document for:** Approval  
**Agenda Item:**

### Work Item Description

#### FIGS enhancements

The GSM Fraud Information Gathering System (FIGS) feature provides the means for the HPLMN to monitor the activities of its subscribers in a VPLMN. The VPLMN collects information about a defined set of activities on monitored subscribers and sends this information back to the HPLMN. This enables the HPLMN to clear certain types of calls and so stop fraudulent use of the GSM system. GSM FIGs only covers the CS domain. Information gathered using FIGS may create a requirement for the HPLMN to terminate services in the VPLMN. This is supported in GSM using IST capabilities. GSM IST only covers the CS domain.

#### 1 3GPP Work Area

	Radio Access
X	Core Network
X	Services

#### 2 Linked work items

None identified.

#### 3 Justification

In order to maintain an HPLMN's ability to limit its exposure to fraud, it is necessary to extend FIGS functionality to cover new services, domains and subsystems . It is also necessary to consider the extension of IST functionality to cover new services, domains and subsystems.

#### 4 Objective

The main objective of this work item will be to extend FIGS functionality to cover PS services offered by the PS domain, and SIP and H.323 enabled services offered by the IP multimedia (IM) domain. For example, it must be possible for an HPLMN to be able to gather information on Voice-over-IP call activity offered by an IM subsystem in a VPLMN. The work item will investigate whether CAMEL can be used to extend fraud information gathering capabilities to new domains and subsystems. A further objective will be to consider the extension of IST functionality to cover new services, domains and subsystems.

#### 5 Service Aspects

None identified.

#### 6 MMI-Aspects

None identified.

#### 7 Charging Aspects

None identified.

**8 Security Aspects**

The main aspect of this work item is security.

**9 Impacts**

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

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

<b>Meeting</b>	<b>Date</b>	<b>Activity</b>
S3#196	<del>November</del> <u>July</u> <del>2000</del> <u>2001</u>	Requirements capture and outline specification for PS-FIGS. Identify requirements on CAMEL. Identify requirements and timescales for extending IST to new services, domains and subsystems.
	<del>March</del> <u>September</u> <del>2001</del>	Draft stage 2 specifications for PS-FIGS approved at SA plenary. Requirements capture and outline specification for IMSS-FIGS.
	<del>April</del> <u>March</u> <del>2002</del> <u>1</u>	Implementation of PS-FIGS stage 3 (e.g. verification that PS-FIGS can be implemented using CAMEL)
	<del>June</del> <u>2002</u> <u>1</u>	Draft stage 2 specifications for IMSS-FIGS approved at SA plenary.
	<del>September</del> <u>October</u> <del>2002</del> <u>1</u>	Implementation of IMSS-FIGS stage 3.

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
To be allocate d	Fraud Information Gathering System (FIGS); Service requirements – Stage 0	S3	None		March 2004	Update to GSM document to support PS domain.
To be allocate d	Fraud Information Gathering System (FIGS); Service description – Stage 1	S3	None		March 2004	Update to GSM document to support PS domain.
To be allocate d	Fraud Information Gathering System (FIGS); Service description – Stage 2	S3	None		March 2004	Update to GSM document to support PS domain..
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	
01.31		Fraud Information Gathering System (FIGS); Service requirements – Stage 0				
02.31		Fraud Information Gathering System (FIGS); Service description – Stage 1				
03.31		Fraud Information Gathering System (FIGS); Service description – Stage 2				

**11 Work item rapporteurs**

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**12 Work item leadership**  
TSG SA WG3

**13 Supporting Companies**  
Vodafone, BT, Orange, DTI, Ericsson (to be confirmed)

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

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

14a The PS-FIGS work is a **Feature**.

14b The IMSS-FIGS work is a **Building Block** of the Feature “**Provisioning of IP-based multimedia services**”.