Source: **TSG SA1**

Title: **CR to 22.101 on FDN**

Document for: **Approval**

Agenda Item: **5.1.4**

Status	Spec	CR	Rev	Phase	Subject	CAT	Vers	New Vers	TSG Meeting	TSG Doc.No.	Presentation
	22.101	028		R99	FDN	C	3.7.0	3.8.0	S1#06	S1-991038	No

3G CHANGE REQUEST

Please see embedded help file at the bottom of this page for instructions on how to fill in this form correctly.

22.101	CR	028	Current Version:	3.7.0

3G specification number ↑   *↑ CR number as allocated by 3G support team*

For submission to TSG **SA#6**   for approval **X** *(only one box should*
list TSG meeting no. here ↑   for information   *be marked with an X)*

Form: 3G CR cover sheet, version 1.0   The latest version of this form is available from: ftp://ftp.3gpp.org/Information/3GCRF-xx.rtf

Proposed change affects: USIM **X**   ME **X**   UTRAN ☐   Core Network ☐
(at least one should be marked with an X)

Source:	TSG SA1	**Date:**	

Subject:	FDN

3G Work item:	

Category: F Correction   ☐
      A Corresponds to a correction in a 2G specification   ☐
(only one category   B Addition of feature   ☐
shall be marked   C Functional modification of feature   **X**
with an X)   D Editorial modification   ☐

Reason for change:	Clarification and enhancements of the Fixed Number Dialling service

Clauses affected:	A.24

Other specs affected:

Other 3G core specifications	☐	→ List of CRs:	
Other 2G core specifications	☐	→ List of CRs:	
MS test specifications	☐	→ List of CRs:	
BSS test specifications	☐	→ List of CRs:	
O&M specifications	☐	→ List of CRs:	

Other comments:	

help.doc

<--------- double-click here for help and instructions on how to create a CR.

3GPP

2.1　Normative References

[21]　　　TS 22.002: "Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)"

[22]　　　TS 22.060: "General Packet Radio Service (GPRS)"

A.24　Fixed number dialling

This feature provides a mechanism so that by the use of an electronic lock it is possible to place a bar on calling any numbers other than those pre-programmed in the SIM/USIM.

Under control of PIN 2, "Fixed Dialling Mode" may be enabled or disabled. The mode selected is stored in the SIM/USIM.

Fixed Dialling Numbers (FDNs) are stored in the SIM/USIM in the Fixed Dialling Number field. FDN entries are composed of a destination address/Supplementary Service Control and a service code. Destination addresses may have the format relevant to the bearer services/teleservices defined in [21], [14] and [22] including Access Point Names for GPRS bearer services. The service codes which correspond to a type of bearer services/teleservices, are described in [6]. FDN entries may take the function of an Abbreviated Dialling Number/Supplementary Service Control (ADN/SSC), Overflow and/or sub-address. Fixed Dialling Numbers stored in the SIM/USIM may contain wild card characters.

The Fixed Dialling feature is optional, however when Fixed Dialling Mode is enabled, an ME supporting the feature shall;

- Prevent the establishment of bearer services/teleservices to destination adressess which are not in FDN entries on a per bearer service/teleservice basis. The list of bearer services/teleservices excluded from the FDN check shall be stored in the SIM/USIM. Those bearer services/teleservices are characterized by their service code as described in [6]. For instance if the GPRS bearer services are indicated in this list, a GPRS session can be set up to any destination. By default, the ME shall prevent the establishment of any bearer service/teleservice to destination addresses which are not in FDN entries.non FDN entries from being called.

- Only allow modification, addition or deletion of Fixed Number Dialling entries under control of PIN2.

- Allow the establishment of bearer services/teleservice to destination addresses stored in FDN entries. In case the required destination number is associated with a service code in the FDN entry, only the corresponding bearer services/teleservices shall be allowed. For SMS, the Service Center address and the end-destination address shall be checked.calls to numbers stored as FDN entries.

- Support the reading and substitution of wildcards in any position of an FDN entry, via the ME MMI.

- Allow the user to replace each wildcard of an FDN entry by a single digit, on a per call basis without using PIN2. The digit replacing the wildcard may be used for network access or supplementary service operation.

- Only allow Supplementary Service (SS) Control (in Dedicated or Idle mode) if the SS control string is stored as an FDN entry.

- Allow the extension of an FDN entry by adding digits to the Fixed Dialling number on a per call basis.

- Allow the emergency numbers (see Section 8.4112) to be called, even if it is not an FDN entry.

- Allow normal access to ADN fields (i.e. allow ADN entries to be modified, added or deleted) and the keyboard.

- Allow use of ADNs subject to the FDN filter.

When FDN is disabled, an ME supporting FDN shall;

- Allow FDN entries to be read as though they were normal ADN entries.

- Only allow modification, addition or deletion of Fixed Number Dialling entries under control of PIN2.

- Allow normal access to ADN fields and the keyboard.

If the ME does not support FDN, the UE shall not allow the making or receiving of calls when Fixed Dialling is enabled. However, emergency calls (112 and other user defined emergency numbers) shall still be possible.

NOTE:　Wildcards are stored on the SIM/USIM. The wildcard coding is given in TS 31.102 [19].