

**Agenda item:****Source: TSG\_N WG2****Title: CRs to GSM 09.02, 09.60, 3G TS 29.002 (Work Item GPRS)**

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**Introduction:**

This document contains **8 CRs on Work Item GPRS** agreed by **TSG\_N WG2** and forwarded to **TSG\_N Plenary** meeting #6 for approval.

<b>TDoc</b>	<b>Spec</b>	<b>CR</b>	<b>Rev</b>	<b>Ph.</b>	<b>Cat</b>	<b>Old v.</b>	<b>New v.</b>	<b>Subject</b>
N2-99G48	09.02	A278		R97	F	6.5.0	6.6.0	Addition of GGSN number for the SRIforGPRS
N2-99K08	09.02	A276	1	R97	F	6.5.0	6.6.0	Use of SSN for GPRS
N2-99G49	09.02	A279		R98	A	7.2.0	7.3.0	Addition of GGSN number for the SRIforGPRS
N2-99K10	09.02	A280		R98	A	7.2.0	7.3.0	Use of SSN for GPRS
N2-99K16	09.60	A078	1	R97	D	6.4.0	6.5.0	Clarification of GSN Address field
N2-99K18	09.60	A079	1	R98	D	7.2.0	7.3.0	Clarification of GSN Address field
N2-99G50	29.002	070		R99	A	3.2.0	3.3.0	Addition of GGSN number for the SRIforGPRS
N2-99K12	29.002	077		R99	A	3.2.0	3.3.0	Use of SSN for GPRS

**3GPP TSG-CN WG2 (ETSI SMG3 WPC)**  
**Phoenix (AZ) , USA**  
**15 –19 November 1999**

**Tdoc 3GPP N2-99G48**

**CHANGE REQUEST No :** **A278**

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

**Technical Specification GSM / UMTS:** **09.02**

**Version:** **6.5.0**

Submitted to CN **#06**  
*list SMG plenary meeting no. here ↑*

for approval   
 for information

without presentation ("non-strategic")   
 With presentation ("strategic")

*PT SMG CR cover form. Filename: crf26\_3.doc*

**Proposed change affects:**  
*(at least one should be marked with an X)*

SIM  ME  Network

**Work item:** **GPRS**

**Source:** **TSG N2**

**Date:** **27-11-1999**

**Subject:** **Addition of GGSN number for the SRIforGPRS**

**Category:**

F Correction   
 A Corresponds to a correction in an earlier release   
 B Addition of feature   
 C Functional modification of feature   
 D Editorial modification

**Release:**

Phase 2   
 Release 96   
 Release 97   
 Release 98   
 Release 99   
 UMTS

*(one category and one release only shall be marked with an X)*

**Reason for change:**

The processing described in 03.60 specifies the use of the GGSN Number parameter in the processing of the SRIforGPRS at the HLR.  
 The 03.60 chapter 9.2.2.2.1 says:

"The GGSN may send a Send Routeing Information for GPRS (IMSI) message to the HLR. If the HLR determines that the request can be served, it returns a Send Routeing Information for GPRS Ack (IMSI, SGSN Address, Mobile Station Not Reachable Reason) message to the GGSN. The Mobile Station Not Reachable Reason parameter is included if the MNRG flag is set in the HLR. The Mobile Station Not Reachable Reason parameter indicates the reason for the setting of the MNRG flag as stored in the MNRR record (see GSM 03.40). If the MNRR record indicates a reason other than 'No Paging Response', the HLR shall include the GGSN number in the GGSN-list of the subscriber."

**Clauses affected:** **13 , 17**

**Other specs affected:**

Other releases of same spec  → List of CRs:  
 Other core specifications  → List of CRs:  
 MS test specifications / TBRs  → List of CRs:  
 BSS test specifications  → List of CRs:  
 O&M specifications  → List of CRs:

**Other comments:**

## 13 Network-Requested PDP Context Activation services

### 13.1 MAP\_SEND\_ROUTING\_INFO\_FOR\_GPRS service

#### 13.1.1 Definition

This service is used by the GGSN to request GPRS routing information from the HLR.

#### 13.1.2 Service primitives

**Table 13.1/1: MAP\_SEND\_ROUTING\_INFO\_FOR\_GPRS**

Parameter name	Request	Indication	Response	Confirm
Invoke id	M	M(=)	M(=)	M(=)
IMSI	M	M(=)		
GGSN address	C	C(=)		
GGSN number	M	M(=)		
SGSN address			C	C(=)
Mobile Not Reachable Reason			C	C(=)
User error			C	C(=)
Provider error				O

#### 13.1.3 Parameter definition and use

##### Invoke Id

See definition in subclause 7.6.1.

##### IMSI

See definition in subclause 7.6.2.

##### GGSN address

This parameter shall be present if the protocol-converting GSN is used between the GGSN and the HLR.

##### GGSN number

See definition in subclause 7.6.2.

##### SGSN address

This parameter shall be present if the outcome of the Send Routing Info For GPRS request to the GPRS application process in the HLR is positive.

##### Mobile Not Reachable Reason

This parameter shall be present if the outcome of the Send Routing Info For GPRS request to the GPRS application process in the HLR is positive and the MNRG flag in the HLR is set. See definition in subclause 7.6.3.51.

##### User error

This parameter is sent by the responder when an error is detected and if present, takes one of the following values:

- Absent Subscriber;
- System Failure;
- Data Missing;

- Unexpected Data Value;
- UnknownSubscriber.

The diagnostic in the Unknown Subscriber may indicate “Imsi Unknown” or “Gprs Subscription Unknown”.

#### Provider error

These are defined in subclause 7.6.1.

**\*\*\*\* NEXT MODIFIED SECTION \*\*\*\***

*-- gprs location information retrieval types*

<b>SendRoutingInfoForGprsArg</b> ::= SEQUENCE {			
imsi	[0] IMSI,		
ggsn-Address	[1] GSN-Address		OPTIONAL,
ggsn-Number	[2] ISDN-AddressString		
extensionContainer	[32] ExtensionContainer		OPTIONAL,
...			
}			
<b>SendRoutingInfoForGprsRes</b> ::= SEQUENCE {			
sgsn-Address	[0] GSN-Address,		
ggsn-Address	[1] GSN-Address		OPTIONAL,
mobileNotReachableReason	[2] AbsentSubscriberDiagnosticSM		OPTIONAL,
extensionContainer	[3] ExtensionContainer		OPTIONAL,
...			
}			

<b>CHANGE REQUEST</b>				Please see embedded help file at the bottom of this page for instructions on how to fill in this form correctly.	
<b>09.02 CR</b>		<b>A276r1</b>		Current Version: <b>6.5.0</b>	
GSM (AA.BB) or 3G (AA.BBB) specification number ↑		↑ CR number as allocated by MCC support team			
For submission to: <b>CN#06</b> <small>list expected approval meeting # here ↑</small>		for approval for information <input checked="" type="checkbox"/>		strategic <input type="checkbox"/> (for SMG use only) non-strategic <input checked="" type="checkbox"/>	

Form: CR cover sheet, version 2 for 3GPP and SMG    The latest version of this form is available from: ftp://ftp.3gpp.org/Information/CR-Form-v2.doc

**Proposed change affects:**    (U)SIM     ME     UTRAN / Radio     Core Network   
(at least one should be marked with an X)

**Source:**    TSG N2    **Date:**    18 Nov 1999

**Subject:**    Use of SSN for GPRS

**Work item:**    GPRS

<b>Category:</b>	F Correction <input checked="" type="checkbox"/> A Corresponds to a correction in an earlier release <input type="checkbox"/> B Addition of feature <input type="checkbox"/> C Functional modification of feature <input type="checkbox"/> D Editorial modification <input type="checkbox"/>	<b>Release:</b>	Phase 2 <input type="checkbox"/> Release 96 <input type="checkbox"/> Release 97 <input checked="" type="checkbox"/> Release 98 <input type="checkbox"/> Release 99 <input type="checkbox"/> Release 00 <input type="checkbox"/>
------------------	--	-----------------	--

(only one category shall be marked with an X)

**Reason for change:**    To clarify on the SSN to be used in the calling party address.

**Clauses affected:**    6.1.2

<b>Other specs affected:</b>	Other 3G core specifications <input type="checkbox"/> → List of CRs: Other GSM core specifications <input type="checkbox"/> → List of CRs: MS test specifications <input type="checkbox"/> → List of CRs: BSS test specifications <input type="checkbox"/> → List of CRs: O&M specifications <input type="checkbox"/> → List of CRs:	
------------------------------	--	--

**Other comments:**    In order to prevent inter-operability problems, the standard shall clarify which SSN is to be used by the SGSN in the calling party address.  
It is believed that this CR falls into category C1 or C4 or both.



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

## 6.1.2 Sub-System Number (SSN)

The Application Entities (AEs) defined for MAP consist of several Application Service Elements (ASEs) and are addressed by sub-system numbers (SSNs). The SSN for MAP are specified in GSM 03.03 [17].

When the SGSN emulates MSC behavior for processing messages (MAP-MO-FORWARD-SHORT-MESSAGE, MAP\_CHECK\_IMEI) towards entities which do not support interworking to SGSNs, it shall use the MSC SSN in the calling party address instead of the SGSN SSN.

**3GPP TSG-CN WG2 (ETSI SMG3 WPC)  
Phoenix (AZ) , USA  
15 –19 November 1999**

**Tdoc 3GPP N2-99G49**

<b>CHANGE REQUEST No :</b> <b>A279</b>		<i>Please see embedded help file at the bottom of this page for instructions on how to fill in this form correctly.</i>
<b>Technical Specification GSM / UMTS:</b> <b>09.02</b>	<b>Version:</b> <b>7.2.0</b>	
Submitted to CN <b>#06</b> <small>list SMG plenary meeting no. here ↑</small>	for approval <input checked="" type="checkbox"/> for information <input type="checkbox"/>	without presentation ("non-strategic") <input checked="" type="checkbox"/> With presentation ("strategic") <input type="checkbox"/>

PT SMG CR cover form. Filename: crf26\_3.doc

**Proposed change affects:** SIM  ME  Network   
(at least one should be marked with an X)

**Work item:** GPRS

**Source:** TSG N2 **Date:** 27-11-1999

**Subject:** Addition of GGSN number for the SRIforGPRS

<b>Category:</b> <small>(one category and one release only shall be marked with an X)</small>	F Correction	<input type="checkbox"/>	<b>Release:</b> Phase 2	<input type="checkbox"/>
	A Corresponds to a correction in an earlier release	<input checked="" type="checkbox"/>	Release 96	<input type="checkbox"/>
	B Addition of feature	<input type="checkbox"/>	Release 97	<input type="checkbox"/>
	C Functional modification of feature	<input type="checkbox"/>	Release 98	<input checked="" type="checkbox"/>
	D Editorial modification	<input type="checkbox"/>	Release 99	<input type="checkbox"/>
			UMTS	<input type="checkbox"/>

**Reason for change:** The processing described in 03.60 specifies the use of the GGSN Number parameter in the processing of the SRIforGPRS at the HLR. The 03.60 chapter 9.2.2.2.1 says:

"The GGSN may send a Send Routeing Information for GPRS (IMSI) message to the HLR. If the HLR determines that the request can be served, it returns a Send Routeing Information for GPRS Ack (IMSI, SGSN Address, Mobile Station Not Reachable Reason) message to the GGSN. The Mobile Station Not Reachable Reason parameter is included if the MNRG flag is set in the HLR. The Mobile Station Not Reachable Reason parameter indicates the reason for the setting of the MNRG flag as stored in the MNRR record (see GSM 03.40). If the MNRR record indicates a reason other than 'No Paging Response', the HLR shall include the GGSN number in the GGSN-list of the subscriber."

**Clauses affected:** 13 , 17

<b>Other specs affected:</b>	Other releases of same spec	<input type="checkbox"/>	→ List of CRs:	
	Other core specifications	<input type="checkbox"/>	→ List of CRs:	
	MS test specifications / TBRs	<input type="checkbox"/>	→ List of CRs:	
	BSS test specifications	<input type="checkbox"/>	→ List of CRs:	
	O&M specifications	<input type="checkbox"/>	→ List of CRs:	

**Other comments:**

## 13 Network-Requested PDP Context Activation services

### 13.1 MAP\_SEND\_ROUTING\_INFO\_FOR\_GPRS service

#### 13.1.1 Definition

This service is used by the GGSN to request GPRS routing information from the HLR.

#### 13.1.2 Service primitives

**Table 13.1/1: MAP\_SEND\_ROUTING\_INFO\_FOR\_GPRS**

Parameter name	Request	Indication	Response	Confirm
Invoke id	M	M(=)	M(=)	M(=)
IMSI	M	M(=)		
GGSN address	C	C(=)		
GGSN number	M	M(=)		
SGSN address			C	C(=)
Mobile Not Reachable Reason			C	C(=)
User error			C	C(=)
Provider error				O

#### 13.1.3 Parameter definition and use

##### Invoke Id

See definition in subclause 7.6.1.

##### IMSI

See definition in subclause 7.6.2.

##### GGSN address

This parameter shall be present if the protocol-converting GSN is used between the GGSN and the HLR.

##### GGSN number

See definition in subclause 7.6.2.

##### SGSN address

This parameter shall be present if the outcome of the Send Routing Info For GPRS request to the GPRS application process in the HLR is positive.

##### Mobile Not Reachable Reason

This parameter shall be present if the outcome of the Send Routing Info For GPRS request to the GPRS application process in the HLR is positive and the MNRG flag in the HLR is set. See definition in subclause 7.6.3.51.

##### User error

This parameter is sent by the responder when an error is detected and if present, takes one of the following values:

- Absent Subscriber;
- System Failure;
- Data Missing;



- Unexpected Data Value;
- UnknownSubscriber.

The diagnostic in the Unknown Subscriber may indicate “Imsi Unknown” or “Gprs Subscription Unknown”.

Provider error

These are defined in subclause 7.6.1.

<b>**** NEXT MODIFIED SECTION ****</b>
--

*-- gprs location information retrieval types*

<pre> <b>SendRoutingInfoForGprsArg</b> ::= SEQUENCE {   imsi                               [0] IMSI,   ggsn-Address                       [1] GSN-Address          OPTIONAL,   ggsn-Number                       [2] ISDN-AddressString   extensionContainer                 [<del>3</del>] ExtensionContainer  OPTIONAL,   ...} </pre>
<pre> <b>SendRoutingInfoForGprsRes</b> ::= SEQUENCE {   ggsn-Address                       [0] GSN-Address,   ggsn-Address                       [1] GSN-Address          OPTIONAL,   mobileNotReachableReason          [2] AbsentSubscriberDiagnosticSM  OPTIONAL,   extensionContainer                 [3] ExtensionContainer    OPTIONAL,   ...} </pre>

<h2 style="margin: 0;">CHANGE REQUEST</h2>		<i>Please see embedded help file at the bottom of this page for instructions on how to fill in this form correctly.</i>
<b>09.02</b>	<b>CR</b>	<b>A280</b>
GSM (AA.BB) or 3G (AA.BBB) specification number ↑		↑ CR number as allocated by MCC support team
For submission to: <b>TSG CN#06</b> <small>list expected approval meeting # here ↑</small>		Current Version: <b>7.2.0</b>
for approval <input checked="" type="checkbox"/> for information <input type="checkbox"/>		strategic <input type="checkbox"/> non-strategic <input checked="" type="checkbox"/> <small>(for SMG use only)</small>

Form: CR cover sheet, version 2 for 3GPP and SMG    The latest version of this form is available from: ftp://ftp.3gpp.org/Information/CR-Form-v2.doc

**Proposed change affects:**    (U)SIM     ME     UTRAN / Radio     Core Network   
(at least one should be marked with an X)

**Source:**    TSG N2    **Date:**    18 Nov 1999

**Subject:**    Use of SSN for GPRS

**Work item:**    GPRS

<b>Category:</b>	F Correction <input type="checkbox"/> A Corresponds to a correction in an earlier release <input checked="" type="checkbox"/> B Addition of feature <input type="checkbox"/> C Functional modification of feature <input type="checkbox"/> D Editorial modification <input type="checkbox"/>	<b>Release:</b>	Phase 2 <input type="checkbox"/> Release 96 <input type="checkbox"/> Release 97 <input type="checkbox"/> Release 98 <input checked="" type="checkbox"/> Release 99 <input type="checkbox"/> Release 00 <input type="checkbox"/>
------------------	--	-----------------	--

*(only one category shall be marked with an X)*

**Reason for change:**    To clarify on the SSN to be used in the calling party address.

**Clauses affected:**    6.1.2

<b>Other specs affected:</b>	Other 3G core specifications <input type="checkbox"/> → List of CRs: Other GSM core specifications <input type="checkbox"/> → List of CRs: MS test specifications <input type="checkbox"/> → List of CRs: BSS test specifications <input type="checkbox"/> → List of CRs: O&M specifications <input type="checkbox"/> → List of CRs:	
------------------------------	--	--

**Other comments:**    In order to prevent inter-operability problems, the standard shall clarify which SSN is to be used by the SGSN in the calling party address.  
 It is believed that this CR falls into category C1 or C4 or both.



help.doc

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

## 6.1.2 Sub-System Number (SSN)

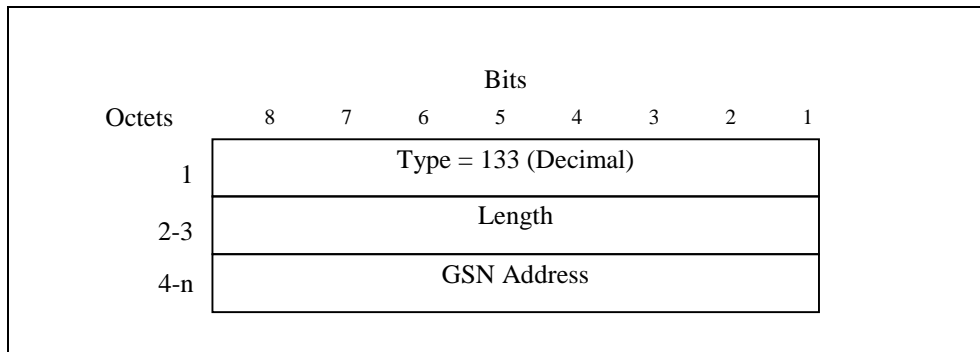
The Application Entities (AEs) defined for MAP consist of several Application Service Elements (ASEs) and are addressed by sub-system numbers (SSNs). The SSN for MAP are specified in GSM 03.03 [17].

When the SGSN emulates MSC behavior for processing messages (MAP-MO-FORWARD-SHORT-MESSAGE, MAP\_CHECK\_IMEI) towards entities which do not support interworking to SGSNs, it shall use the MSC SSN in the calling party address instead of the SGSN SSN.



### 7.9.25 GSN Address

The GSN Address information element contains the address of a GSN as defined in GSM 03.03. The Address Type and Address Length fields from 03.03 are not included in the GSN Address field.

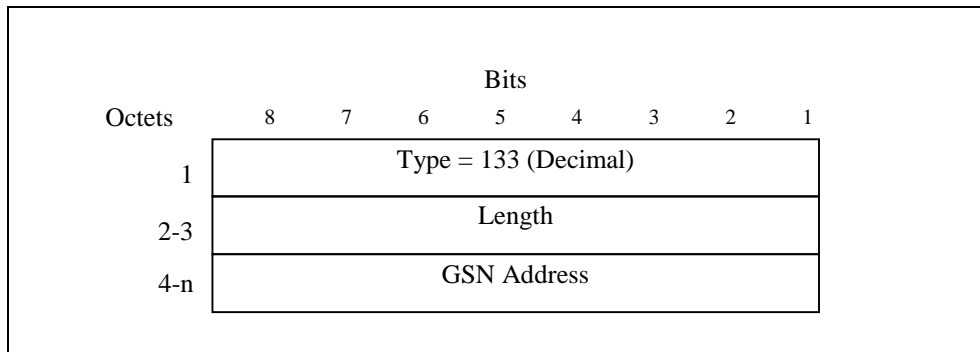


**Figure 35: GSN Address information element**



### 7.9.25 GSN Address

The GSN Address information element contains the address of a GSN as defined in GSM 03.03. The Address Type and Address Length fields from 03.03 are not included in the GSN Address field..



**Figure 35: GSN Address information element**

**3GPP TSG-CN WG2 (ETSI SMG3 WPC)**  
**Phoenix (AZ) , USA**  
**15 –19 November 1999**

**Tdoc 3GPP N2-99G50**

<b>CHANGE REQUEST No :</b>		<b>070</b>	<i>Please see embedded help file at the bottom of this page for instructions on how to fill in this form correctly.</i>
<b>Technical Specification UMTS:</b>		<b>29.002</b>	<b>Version:</b> <b>3.2.0</b>
Submitted to CN <b>#06</b> <i>list SMG plenary meeting no. here ↑</i>	for approval	<input checked="" type="checkbox"/>	without presentation ("non-strategic") <input checked="" type="checkbox"/>
	for information	<input type="checkbox"/>	With presentation ("strategic") <input type="checkbox"/>

PT SMG CR cover form. Filename: crf26\_3.doc

**Proposed change affects:** SIM  ME  Network   
*(at least one should be marked with an X)*

**Work item:** GPRS

**Source:** TSG N2 **Date:** 27-11-1999

**Subject:** Addition of GGSN number for the SRIforGPRS

<b>Category:</b> <i>(one category and one release only shall be marked with an X)</i>	F Correction	<input type="checkbox"/>	<b>Release:</b> Phase 2	<input type="checkbox"/>
	A Corresponds to a correction in an earlier release	<input checked="" type="checkbox"/>	Release 96	<input type="checkbox"/>
	B Addition of feature	<input type="checkbox"/>	Release 97	<input type="checkbox"/>
	C Functional modification of feature	<input type="checkbox"/>	Release 98	<input type="checkbox"/>
	D Editorial modification	<input type="checkbox"/>	Release 99	<input type="checkbox"/>
			UMTS	<input checked="" type="checkbox"/>

**Reason for change:** The processing described in 03.60 specifies the use of the GGSN Number parameter in the processing of the SRIforGPRS at the HLR.  
 The 03.60 chapter 9.2.2.2.1 says:

"The GGSN may send a Send Routeing Information for GPRS (IMSI) message to the HLR. If the HLR determines that the request can be served, it returns a Send Routeing Information for GPRS Ack (IMSI, SGSN Address, Mobile Station Not Reachable Reason) message to the GGSN. The Mobile Station Not Reachable Reason parameter is Included if the MNRG flag is set in the HLR. The Mobile Station Not Reachable Reason parameter indicates the reason for the setting of the MNRG flag as stored in the MNRR record (see GSM 03.40). If the MNRR record indicates a reason other than 'No Paging Response', the HLR shall include the GGSN number in the GGSN-list of the subscriber."

**Clauses affected:** 13 , 17

<b>Other specs affected:</b>	Other releases of same spec	<input type="checkbox"/>	→ List of CRs:	A278 (Release '97), A279 (Release '98)
	Other core specifications	<input type="checkbox"/>	→ List of CRs:	
	MS test specifications / TBRs	<input type="checkbox"/>	→ List of CRs:	
	BSS test specifications	<input type="checkbox"/>	→ List of CRs:	
	O&M specifications	<input type="checkbox"/>	→ List of CRs:	

**Other comments:**



## 13 Network-Requested PDP Context Activation services

### 13.1 MAP\_SEND\_ROUTING\_INFO\_FOR\_GPRS service

#### 13.1.1 Definition

This service is used by the GGSN to request GPRS routing information from the HLR.

#### 13.1.2 Service primitives

**Table 13.1/1: MAP\_SEND\_ROUTING\_INFO\_FOR\_GPRS**

Parameter name	Request	Indication	Response	Confirm
Invoke id	M	M(=)	M(=)	M(=)
IMSI	M	M(=)		
GGSN address	C	C(=)		
GGSN number	M	M(=)		
SGSN address			C	C(=)
Mobile Not Reachable Reason			C	C(=)
User error			C	C(=)
Provider error				O

#### 13.1.3 Parameter definition and use

##### Invoke Id

See definition in subclause 7.6.1.

##### IMSI

See definition in subclause 7.6.2.

##### GGSN address

This parameter shall be present if the protocol-converting GSN is used between the GGSN and the HLR.

##### GGSN number

See definition in subclause 7.6.2.

##### SGSN address

This parameter shall be present if the outcome of the Send Routing Info For GPRS request to the GPRS application process in the HLR is positive.

##### Mobile Not Reachable Reason

This parameter shall be present if the outcome of the Send Routing Info For GPRS request to the GPRS application process in the HLR is positive and the MNRG flag in the HLR is set. See definition in subclause 7.6.3.51.

##### User error

This parameter is sent by the responder when an error is detected and if present, takes one of the following values:

- Absent Subscriber;
- System Failure;
- Data Missing;

- Unexpected Data Value;
- UnknownSubscriber.

The diagnostic in the Unknown Subscriber may indicate “Imsi Unknown” or “Gprs Subscription Unknown”.

#### Provider error

These are defined in subclause 7.6.1.

**\*\*\*\* NEXT MODIFIED SECTION \*\*\*\***

*-- gprs location information retrieval types*

<b>SendRoutingInfoForGprsArg</b> ::= SEQUENCE {			
imsi	[0] IMSI,		
ggsn-Address	[1] GSN-Address		OPTIONAL,
ggsn-Number	[2] ISDN-AddressString		
extensionContainer	[3] ExtensionContainer		OPTIONAL,
...			
}			
<b>SendRoutingInfoForGprsRes</b> ::= SEQUENCE {			
sgsn-Address	[0] GSN-Address,		
ggsn-Address	[1] GSN-Address		OPTIONAL,
mobileNotReachableReason	[2] AbsentSubscriberDiagnosticSM		OPTIONAL,
extensionContainer	[3] ExtensionContainer		OPTIONAL,
...			
}			

<h2 style="margin: 0;">CHANGE REQUEST</h2>		Please see embedded help file at the bottom of this page for instructions on how to fill in this form correctly.				
<b>29.002</b>	<b>CR 077</b>	Current Version: <b>3.2.0</b>				
GSM (AA.BB) or 3G (AA.BBB) specification number ↑	↑ CR number as allocated by MCC support team					
For submission to: <b>CN#06</b> <small>list expected approval meeting # here ↑</small>	for approval for information <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="text-align: center;"><b>X</b></td></tr><tr><td style="text-align: center;"> </td></tr></table>	<b>X</b>		strategic <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="text-align: center;"> </td></tr></table> (for SMG use only) non-strategic <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="text-align: center;"><b>X</b></td></tr></table>		<b>X</b>
<b>X</b>						
<b>X</b>						

Form: CR cover sheet, version 2 for 3GPP and SMG    The latest version of this form is available from: ftp://ftp.3gpp.org/Information/CR-Form-v2.doc

**Proposed change affects:**    (U)SIM     ME     UTRAN / Radio     Core Network   
(at least one should be marked with an X)

**Source:**    TSG N2    **Date:**    18 Nov 1999

**Subject:**    Use of SSN for GPRS

**Work item:**    GPRS

<b>Category:</b>	F Correction <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="text-align: center;"> </td></tr></table> A Corresponds to a correction in an earlier release <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="text-align: center;"><b>X</b></td></tr></table> B Addition of feature <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="text-align: center;"> </td></tr></table> C Functional modification of feature <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="text-align: center;"> </td></tr></table> D Editorial modification <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="text-align: center;"> </td></tr></table>		<b>X</b>				<b>Release:</b>	Phase 2 <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="text-align: center;"> </td></tr></table> Release 96 <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="text-align: center;"> </td></tr></table> Release 97 <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="text-align: center;"> </td></tr></table> Release 98 <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="text-align: center;"> </td></tr></table> Release 99 <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="text-align: center;"><b>X</b></td></tr></table> Release 00 <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="text-align: center;"> </td></tr></table>					<b>X</b>	
<b>X</b>														
<b>X</b>														

(only one category shall be marked with an X)

**Reason for change:**    To clarify on the SSN to be used in the calling party address.

**Clauses affected:**    6.1.2

<b>Other specs affected:</b>	Other 3G core specifications <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="text-align: center;"> </td></tr></table> → List of CRs: Other GSM core specifications <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="text-align: center;"> </td></tr></table> → List of CRs: MS test specifications <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="text-align: center;"> </td></tr></table> → List of CRs: BSS test specifications <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="text-align: center;"> </td></tr></table> → List of CRs: O&M specifications <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="text-align: center;"> </td></tr></table> → List of CRs:						

**Other comments:**    In order to prevent inter-operability problems, the standard shall clarify which SSN is to be used by the SGSN in the calling party address.  
 It is believed that this CR falls into category C1 or C4 or both.



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

## 6.1.2 Sub-System Number (SSN)

The Application Entities (AEs) defined for MAP consist of several Application Service Elements (ASEs) and are addressed by sub-system numbers (SSNs). The SSN for MAP are specified in GSM 03.03 [17].

When the SGSN emulates MSC behavior for processing messages (MAP-MO-FORWARD-SHORT-MESSAGE, MAP\_CHECK\_IMEI) towards entities which do not support interworking to SGSNs, it shall use the MSC SSN in the calling party address instead of the SGSN SSN.