

3GPP TSG CN
Yokohama, Japan
April 21-23, 1999

Tdoc NP-99145
(revised Tdoc N1-99199)

3GPP TSG CN WG1
Sophia Antipolis, France
March 22-25, 1999

Tdoc N1-99199
(revised Tdoc N1-99194)

CHANGE REQUEST No : A621 r3		<i>Please see embedded help file at the bottom of this page for instructions on how to fill in this form correctly.</i>
Technical Specification GSM	04.08	Version: 6.3.0
Submitted to SMG 29 <small>list SMG plenary meeting no. here ↑</small>	for approval X for information X	Without presentation ("non-strategic") X with presentation ("strategic") X
<small>PT SMG CR cover form is available from: http://docbox.etsi.org/tech-org/smg/Document/smg/tools/CR_form/crf28_1.zip</small>		

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

Work item: NITZ

Source: Ericsson **Date:** 25.03.99

Subject: IE Daylight Saving Time

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

Reason for change: Today compensation for Daylight Saving Time (DST) is included in the Time Zone information element in messages MM INFORMATION and GMM INFORMATION sent by the network to the MS. By adding a DST parameter to messages MM INFORMATION and GMM INFORMATION, it is possible for the MS to distinguish between a change in Time Zone and a change in DST.

Change made according to approved CR to GSM 02.42.

Revision 3 of the CR was created in TSGN #3 to avoid collision with an earlier agreed SoLSA CR using IEI 48 for LSA Identity.

Clauses affected: 9.2.15a, 9.2.15a.5, 9.4.19, 9.4.19.5, 10.5.3.10

Other specs affected:	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:



help.doc

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

9.2.15a MM information

This message is sent by the network to the mobile station to provide the mobile station with subscriber specific information. See table 9.2.18/GSM 04.08.

Message type: MM INFORMATION

Significance: dual

Direction: network to mobile station

Table 9.2.18/GSM 04.08 MM INFORMATION message content

IEI	Information element	Type / Reference	Presence	Format	Length
	Mobility management protocol discriminator	Protocol discriminator 10.2	M	V	1/2
	Skip Indicator	Skip Indicator 10.3.1	M	V	1/2
	MM Information message type	Message type 10.4	M	V	1
43	Full name for network	Network Name 10.5.3.5a	O	TLV	3-?
45	Short name for network	Network Name 10.5.3.5a	O	TLV	3-?
46	Network time zone	Time Zone 10.5.3.8	O	TV	2
47	Network time and time zone	Time Zone and Time 10.5.3.9	O	TV	8
<u>498</u>	<u>Network Daylight Saving Time</u>	<u>Daylight Saving Time</u> <u>10.5.3.10</u>	<u>O</u>	<u>TLV</u>	<u>3</u>

9.2.15a.1 Full name for network

This IE may be sent by the network. If this IE is sent, the contents of this IE indicate the "full length name of the network" that the network wishes the mobile station to associate with the MCC and MNC contained in the Location Area Identification of the cell to which the mobile station sent its Channel Request message.

9.2.15a.2 Short name for network

This IE may be sent by the network. If this IE is sent, the contents of this IE indicate the "abbreviated name of the network" that the network wishes the mobile station to associate with the MCC and MNC contained in the Location Area Identification of the cell to which the mobile station sent its Channel Request message.

9.2.15a.3 Network time zone

This IE may be sent by the network. The mobile station should assume that this time zone applies to the Location Area of the cell to which the Channel Request message was sent.

If the network time zone has been adjusted for Daylight Saving Time, the network shall indicate this by including the IE Network Daylight Saving Time.

9.2.15a.4 Network time zone and time

This IE may be sent by the network. The mobile station should assume that this time zone applies to the Location Area of the cell to which the Channel Request message was sent. The mobile station shall not assume that the time information is accurate.

If the network time zone has been adjusted for Daylight Saving Time, the network shall indicate this by including the IE Network Daylight Saving Time.

9.2.15a.5 Network Daylight Saving Time

This IE may be sent by the network. If this IE is sent, the contents of this IE indicates the value that has been used to adjust the network time zone.

***** Next Modification *****

9.4.19 GMM Information

This message is sent by the network at any time to sent certain information to the MS.
See table 9.4.19/GSM 04.08.

Message type: GMM INFORMATION

Significance: local

Direction: network to mobile station

Table 9.4.19/GSM 04.08: GMM INFORMATION message content

IEI	Information Element	Type/Reference	Presence	Format	Length
	Protocol discriminator	Protocol discriminator 10.2	M	V	1/2
	GMM INFORMATION message type	GPRS message type 10.4	M	V	1
	Skip indicator	Skip indicator 10.3.1	M	V	1/2
43	Full name for network	Network name 10.5.3.5a	O	TLV	3 - ?
45	Short name for network	Network name 10.5.3.5a	O	TLV	3 - ?
46	Network time zone	Time zone 10.5.3.8	O	TV	2
47	Network time and time zone	Time zone and time 10.5.3.9	O	TV	8
49	<u>Network Daylight Saving Time</u>	<u>Daylight Saving Time</u> 10.5.3.10	<u>O</u>	<u>TLV</u>	<u>3</u>

9.4.19.1 Full name for network

This IE may be sent by the network. If this IE is sent, the contents of this IE indicate the "full length name of the network" that the network wishes the mobile station to associate with the MCC and MNC contained in the routing area identification of the current cell.

9.4.19.2 Short name for network

This IE may be sent by the network. If this IE is sent, the contents of this IE indicate the "abbreviated name of the network" that the network wishes the mobile station to associate with the MCC and MNC contained in the routing area identification of the cell the MS is currently in.

9.4.19.3 Network time zone

This IE may be sent by the network. The mobile station should assume that this time zone applies to the routing area of the cell the MS is currently in.

If the network time zone has been adjusted for Daylight Saving Time, the network shall indicate this by including the IE Network Daylight Saving Time.

9.4.19.4 Network time zone and time

This IE may be sent by the network. The mobile station should assume that this time zone applies to the routing area the MS is currently in. The mobile station shall not assume that the time information is accurate.

If the network time zone has been adjusted for Daylight Saving Time, the network shall indicate this by including the IE Network Daylight Saving Time.

9.4.19.5 Network Daylight Saving Time

This IE may be sent by the network. If this IE is sent, the contents of this IE indicates the value that has been used to adjust the network time zone.

***** Next Modification *****

10.5.3.10 Daylight Saving Time

The purpose of this information element is to encode the Daylight Saving Time in steps of 1 hour.

The Daylight Saving Time information element is coded as shown in figure 10.5.84a/GSM 04.08 and table 10.5.97a/GSM 04.08.

The Daylight Saving Time is a type 4 information element with a length of 3 octets.

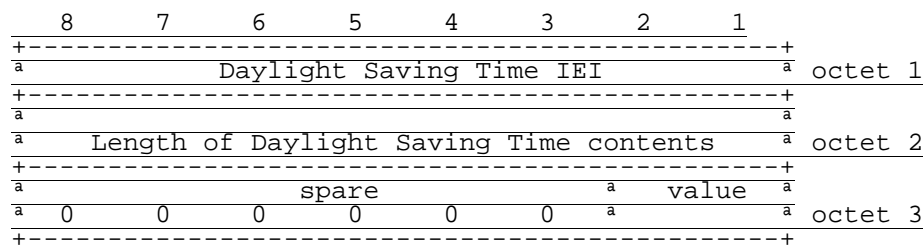


Figure 10.5.84a/GSM 04.08 Daylight Saving Time information element

Table 10.5.97a/GSM 04.08: Daylight Saving Time information element

+-----+		
a	Daylight Saving Time value (octet 3)	a
a	Bits	a
a	2 1	a
a	0 0 No adjustment for Daylight Saving Time	a
a	0 1 +1 hour adjustment for Daylight Saving Time	a
a	1 0 +2 hours adjustment for Daylight Saving Time	a
a	1 1 Reserved	a
+-----+		