ETSI TS 102 281 V3.0.0 (2016-02)



Railways Telecommunications (RT);
Global System for Mobile communications (GSM);
Detailed requirements for GSM operation on Railways

Reference RTS/RT-0040 Keywords

GSM, GSM-R, railways, R-GSM, UIC

ETSI

650 Route des Lucioles F-06921 Sophia Antipolis Cedex - FRANCE

Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 6

Siret N° 348 623 562 00017 - NAF 742 C Association à but non lucratif enregistrée à la Sous-Préfecture de Grasse (06) N° 7803/88

Important notice

The present document can be downloaded from: http://www.etsi.org/standards-search

The present document may be made available in electronic versions and/or in print. The content of any electronic and/or print versions of the present document shall not be modified without the prior written authorization of ETSI. In case of any existing or perceived difference in contents between such versions and/or in print, the only prevailing document is the print of the Portable Document Format (PDF) version kept on a specific network drive within ETSI Secretariat.

Users of the present document should be aware that the document may be subject to revision or change of status.

Information on the current status of this and other ETSI documents is available at https://portal.etsi.org/TB/ETSIDeliverableStatus.aspx

If you find errors in the present document, please send your comment to one of the following services: https://portal.etsi.org/People/CommiteeSupportStaff.aspx

Copyright Notification

No part may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm except as authorized by written permission of ETSI.

The content of the PDF version shall not be modified without the written authorization of ETSI.

The copyright and the foregoing restriction extend to reproduction in all media.

© European Telecommunications Standards Institute 2016.
All rights reserved.

DECT[™], **PLUGTESTS**[™], **UMTS**[™] and the ETSI logo are Trade Marks of ETSI registered for the benefit of its Members. **3GPP**[™] and **LTE**[™] are Trade Marks of ETSI registered for the benefit of its Members and of the 3GPP Organizational Partners.

GSM® and the GSM logo are Trade Marks registered and owned by the GSM Association.

Contents

Intel	llectual Property Rights	4
Fore	eword	4
Mod	dal verbs terminology	4
1	Scope	5
2 2.1 2.2	References	5
3	Abbreviations	5
4.0 4.1 4.2	CRs required for operation of GSM on Railways to be added to the normative references of ETSI EN 301 515	6
Ann	nex A (informative): Bibliography	22
Hist	CRs applicable to TSs not yet listed as normative references of ETSI EN 301 515	23

Intellectual Property Rights

IPRs essential or potentially essential to the present document may have been declared to ETSI. The information pertaining to these essential IPRs, if any, is publicly available for ETSI members and non-members, and can be found in ETSI SR 000 314: "Intellectual Property Rights (IPRs); Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards", which is available from the ETSI Secretariat. Latest updates are available on the ETSI Web server (https://ipr.etsi.org/).

Pursuant to the ETSI IPR Policy, no investigation, including IPR searches, has been carried out by ETSI. No guarantee can be given as to the existence of other IPRs not referenced in ETSI SR 000314 (or the updates on the ETSI Web server) which are, or may be, or may become, essential to the present document.

Foreword

This Technical Specification (TS) has been produced by ETSI Technical Committee Railway Telecommunications (RT).

Modal verbs terminology

of the ETSIL

. SI deliverables except with the land of the ETSIL

. SI deliverables except with the land of the ETSIL

. SI deliverables except with the land of the ETSIL

. SI deliverables except with the land of the ETSIL

. SI deliverables except with the land of the ETSIL

. SI deliverables except with the land of the ETSIL

. SI deliverables except with the land of the ETSIL

. SI deliverables except with the land of the ETSIL

. SI deliverables except with the land of the ETSIL

. SI deliverables except with the land of the ETSIL

. SI deliverables except with the land of the ETSIL

. SI deliverables except with the land of the ETSIL

. SI deliverables except with the land of the ETSIL

. SI deliverables except with the land of the ETSIL

. SI deliverables except with the land of the ETSIL

. SI deliverables except with the land of the ETSIL

. SI deliverables except with the land of the ETSIL

. SI deliverables except with the land of the ETSIL

. SI deliverables except with the land of the ETSIL

. SI deliverables except with the land of the ETSIL

. SI deliverables except with the land of the ETSIL

. SI deliverables except with the land of the ETSIL

. SI deliverables except with the land of the ETSIL

. SI deliverables except with the land of the ETSIL

. SI deliverables except with the land of the ETSIL

. SI deliverables except with the land of the ETSIL

. SI deliverables except with the land of the ETSIL

. SI deliverables except with the land of the ETSIL

. SI deliverables except with the land of the ETSIL

. SI deliverables except with the land of the ETSIL

. SI deliverables except with the land of the ETSIL

. SI deliverables except with the land of the ETSIL

. SI deliverables except with the land of the ETSIL

. SI deliverables except with the land of the ETSIL

. SI deliverables except with the land of the ETSIL

. SI deliverables except with the land of the ETSIL

. SI deliverables except with the land of the ETSIL

. SI deliverables except with the land of the ETSIL

. SI deliverables In the present document "shall", "shall not", "should", "should not", "may", "need not", "will", "will not", "can" and "cannot" are to be interpreted as described in clause 3.2 of the ETSI Drafting Rules (Verbal forms for the expression of provisions).

"must" and "must not" are NOT allowed in ETSI deliverables except when used in direct citation.

1 Scope

The present document collects all the 3GPPTM Change Requests (CRs) required for operation of GSM for Railways. It complements ETSI EN 301 515 [1].

2 References

2.1 Normative references

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the reference document (including any amendments) applies.

Referenced documents which are not found to be publicly available in the expected location might be found at http://docbox.etsi.org/Reference.

NOTE: While any hyperlinks included in this clause were valid at the time of publication, ETSI cannot guarantee their long term validity.

The following referenced documents are necessary for the application of the present document.

[1] ETSI EN 301 515 (V2.3.0): "Global System for Mobile communication (GSM); Requirements for GSM operation on railways".

[2] UIC Project EIRENE (European Integrated Railway Radio Enhanced Network): "System Requirements Specification".

2.2 Informative references

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the reference document (including any amendments) applies.

NOTE: While any hyperlinks included in this clause were valid at the time of publication, ETSI cannot guarantee their long term validity.

The following referenced documents are not necessary for the application of the present document but they assist the user with regard to a particular subject area.

Not applicable.

3 Abbreviations

For the purposes of the present document, the following abbreviations apply:

3GPP Third Generation Partnership Project ASCI Advanced Speech Call Items

AT ATtention

BSSAP Base Station Subsystem Application Protocol

CCWA Control of Call WAiting

CR Change Request

DTMF Dual-Tone Multi-Frequency FFN Follow me Function Node

IMSI International Mobile Subscriber Identity

NCH Notification CHannel

OTDI Originator-To-Dispatcher Information

PCH Paging CHannel
SMS Short Message Service
SS Supplementary Service
SSN Sub-System Number

TS Technical Specification VGCS Voice Group Call Services

4 CRs required for operation of GSM on Railways to be added to the normative references of ETSI EN 301 515

4.0 General conditions

GSM on Railways shall comply to all the CRs listed in the present document in addition to the GSM/3GPP TSs listed as normative references of ETSI EN 301 515 [1], clause 2.1 unless there is a contradiction between a CR listed in table 1 or 2 and a requirement in EIRENE SRS [2], in which case the requirement in EIRENE SRS [2] shall prevail.

Clause 4 of the present document lists the CRs as well as a short description of each CR.

Table 1 contains the CRs applicable to the TSs already listed as normative references of ETSI EN 301 515 [1], while table 2 contains the CRs applicable to TSs not (yet) listed as normative references of ETSI EN 301 515 [1].

The CRs listed here are contained in archive ts_102281v030000p0.zip which accompanies the present document.

NOTE: The 3GPP/SMG CR database is the authoritative repository of the status of CRs presented in SMG/3GPP groups. This database can be found at: ftp://ftp.3gpp.org/Information/Databases/Change Request/.

4.1 CRs applicable to the TSs already listed as normative references of ETSI EN 301 515

For each TS listed as a normative reference of ETSLEN 301 515 [1], table 1 lists the CRs necessary for GSM R operation. Where a newer version of the TS was produced from that listed in ETSI EN 301 515 [1], the table also identifies the latest applicable release 99 version of the TS.

The first and second columns (Index and Specification) of table 1 are identical to the table of clause 2.1 in ETSI EN 301 515 [1]. Where the specification has been renumbered in Releases post Rel-99, the corresponding specification for Rel-4 and later is also provided for information.

The third and fourth columns identify the required CRs and their purpose. Where the specification was updated in Release 99 to a later version of that which is listed in ETSI EN 301 515 [1], the latest Release 99 version is shown in column 3/4.

Table 1: CRs required for GSM R operation that are applicable to the TSs already listed as normative references of ETSI EN 301 515 [1]

Identification of the specifications as per clause 2.1 of ETSI EN 301 515 [1]		Applicable CRs and/or latest release 99 version		
Index	Specification	Applicable CR	Purpose	
[1]	ETSI TS 100 590: "Digital cellular telecommunications system (Phase 2+) (GSM); Mobile-services Switching Centre - Base Station System (MSC - BSS) interface; Layer 3 specification (GSM 08.08 version 8.5.0 Release 1999)". For information, becoming in Rel-4 and later: ETSI TS 148 008: "Digital cellular telecommunications system (Phase 2+); Mobile Switching Centre - Base Station system (MSC-BSS) interface; Layer 3 specification (3GPP TS 48.008)".	ETSI TS 100 590: "Digital telecommunications syste services Switching Centre (MSC - BSS) interface; La (3GPP TS 08.08 version & CR 0001 to 48.008 Rel-4 in GP-000034, approved at GP-01	l cellular em (Phase 2+); Mobile- e - Base Station System ayer 3 specification	
		Rel-4 in GP-000033, approved at GP-01 CR 0081 to 48.008 Rel-6 in GP-032142, approved at GP-16	precision with VGCS/VBS call Correction of uplink release management	

Identification of the specifications as per clause 2.1		Applicable CRs and/or latest release 99 version	
of ETSI EN 301 515 [1]		Analizable OD Domina	
Index	Specification	Applicable CR CR 0114r6 to 48.008	Purpose VGCS Queuing and
		Rel-6 in GP-041711,	Pre-emption Handling
		approved at GP-20	i to omphori rianamig
		CR 0120 to 48.008	Incorrect length of group
		Rel-6 in GP-040952,	call reference IE
		approved at GP-19	
		CR 0149 to 48.008	Group Call Reference
		Rel-6 in GP-050260,	handling by the MSC
		approved at GP-23	
		CR 0151r3 to 48.008	Correction of VGCS
		Rel-6 in GP-050855,	uplink seize description
		approved at GP-24	Doging of VCCSA/DS
		CR 0187r1 to 48.008 Rel-7 in GP-060670,	Paging of VGCS/VBS
		approved at GP-29	IVIS
		CR 0208r2 to 48.008	Release due to BSS
		Rel-7 in GP-061460,	generated reason for
		approved at GP-30	VGCS/VBS
		CR 0225r1 to 48.008	Correction and addition
		Rel-7 in GP-070440,	to Paging Information IE
		approved at GP-33	
		CR 0228r1 to 48.008	Queuing procedure
		Rel-7 in GP-070443,	clarification
	Ple ail	approved at GP-33	
	D Ahir	CR 0229 to 48.008	Definition of BSSAP
	Po ite.	Rel-7 in GP-070337,	procedures for release/
	Of As. id.	approved at GP-33	refusal of VGCS/VBS
	Tare day	di di	call controlling/ resource controlling connections
	The 11 de stail of	CR 0236r2 to 48 008	Corrections to
	S Etal all atarees	Rel-7 in GP-071040.	VGCS/VBS
	cell (trailer der 6	approved at GP-34	ASSIGNMENT STATUS
	ETSI TS 100 607-1: "Digital cellular telecommunications		msg description
	asite And	CR 0244r3 to 48.008	Circuit Identity Code
	and above	Rel-7 in GP-080220,	(CIC) in VGCS/VBS
	and add	approved at GP-37	Assignment Result /
	USER REE		Request
	kosi adiri	CR 0266 to 48.008	Correction to Uplink
	Her dide	Rei-8 in GP-081196,	Request Confirmation
[2]	ETSI TS 100 607-1: "Digital cellular telecommunications	ETSI TS 100 607-1: "Digi	tal collular
[4]	system (Phase 2+) (GSM); Mobile Station (MS)	telecommunications syste	
	conformance specification; Part 1: Conformance	Station (MS) conformance	
	specification (GSM 11.10-1 version 8.2.0 Release 1999)".	Conformance specificatio	
	For information, becoming in Rel-4 and later:	(3GPP TS 11.10-1 version	
	ETSI TS 151 010-1: "Digital cellular telecommunications	CR 4917 to TS 51.010-1	ER-GSM updates sec26
	system (Phase 2+); Mobile Station (MS) conformance	Rel-11 in GP-140020	part 1
	specification; Part 1: Conformance specification	approved at GP-61	
	(3GPP TS 51.010-1)".	CR 4913 to TS 51.010-1	ER-GSM updates
		Rel-11 in GP-140079	sec00-sec11
		approved at GP-61	ED 0014
		CR 4914 to TS 51.010-1	ER-GSM updates
		Rel-11 in GP-140080	sec12-sec13
		approved at GP-61 CR 4915 to TS 51.010-1	ER-GSM updates
		Rel-11 in GP-140081	sec14
		approved at GP-61	30017
		CR 4916 to TS 51.010-1	ER-GSM updates
		Rel-11 in GP-140082	sec15-sec20
		approved at GP-61	
		CR 4918 to TS 51.010-1	ER-GSM updates
		Rel-11 in GP-140083	sec26 part 2
		approved at GP-61	

lo	dentification of the specifications as per clause 2.1	Applicable CRs and/or latest release 99 version	
of ETSI EN 301 515 [1]			
Index	Specification	Applicable CR	Purpose
		CR 4919 to TS 51.010-1	ER-GSM updates
		Rel-11 in GP-140084 approved at GP-61	sec26part 3
		CR 4920 to TS 51.010-1	ER-GSM updates
		Rel-11 in GP-140085	sec26part 4
		approved at GP-61	COSESPAIL
		CR 4921 to TS 51.010-1	ER-GSM updates
		Rel-11 in GP-140086	sec52
		approved at GP-61	
[3]	ETSI TS 100 929: "Digital cellular telecommunications	ETSI TS 100 929: "Digital	
	system (Phase 2+) (GSM); Security related network	telecommunications syste	m (Phase 2+); Security-
	functions (GSM 03.20 version 8.0.0 Release 1999)".	related network functions	
	For information, becoming in Rel-4 and later:	(3GPP TS 03.20 version 8	3.6.0 Release 1999)".
	ETSI TS 143 020: "Digital cellular telecommunications system (Phase 2+); Security related network functions		
	(3GPP TS 43.020)".		
[4]	ETSI TS 100 933: "Digital cellular telecommunications	ETSI TS 100 933: "Digital	cellular
L.,	system (Phase 2+) (GSM); Voice Group Call Service	telecommunications syste	
	(VGCS); Stage 2 (GSM 03.68 version 8.2.0 Release 1999)".	Group Call Service (VGC	
	For information, becoming in Rel-4 and later:	(3GPP TS 03.68 version 8	3.6.0 Release 1999)".
	ETSI TS 143 068: "Digital cellular telecommunications	CR A023 to TS 03.68	Introduction of OTDI
	system (Phase 2+); Voice Group Call Service (VGCS);	Rel-4 in P-00-255,	(Originator-To-
	Stage 2 (3GPP TS 43.068)".	approved at SMG-32	Dispatcher Information
	Pl ail	CR 0001 to TS 43.068	into VGCS) Uplink Release
	op oh.	Rel-4 in NP-000449,	dataFlow correction
		approved at CN-09	datai low correction
	Dr. ds. ard.	CR 0007 to TS 43.068	ASCI VGCS call
	dar ndid st	Rel-5 in NP-020383,	termination by
	CIF all garden	approved at CN-17	dispatchers using DTMF
	ETSTTS 143 068: "Digital cellular telecommunications system (Phase 2+); Voice Group Call Service (VGCS); Stage 2 (3GPP TS 43.068)". Stage 2 (3GPP TS 43.068)".	CR 0008r4 to TS 43.068 Rel-5 in NP-020675, approved at CN-18	MS late entry notification
	iles de la sil gedente	Rel-5 in NP-020675,	
	iteli 930 20	approved at CN-18	O a manation of a militale
	ds. g.dr	CR 0009r1 to TS 43.068	Correction of uplink
	adai 48h	Rel-4 in NP-030408, approved at CN-21	release management
	Lata Escre	CR 0013r1 to TS 43.068	Correction to MS Late
	3. d. A.	Rel-5 in NP-030409,	Entry description
	ntth dae	approved at CN-21	
	V O	CR 0014r2 to TS 43.068	Dispatcher signalled
		Rel-6 in NP-030410,	mute/unmute of talkers
		approved at CN-21	downlink and correction
			and update of incorrect
			implementation of CR 03.68 A022
		CR 0017 to TS 43.068	Correction on
		Rel-4 in NP-040373,	notification for first talker
		approved at CN-25	of VGCS call
		CR 0029 to TS 43.068	Correction of the
		Rel-4 in NP-050067,	conditions for
		approved at CN-27	establishment of a voice
		CD 0026*4 to TC 42 000	group call
		CR 0036r1 to TS 43.068 Rel-6 in NP-050076,	Inter-PLMN Group Call notification for
		approved at CN-27	dispatchers
		CR 0046r1 to TS 43.068	Clarification of the role
		Rel-6 in CP-050361,	of the anchor MSC
		approved at CP-29	
		CR 0068 to TS 43.068	Editorial corrections
		Rel-7 in CP-050549,	(corrections of
		approved at CP-30	misspelling, grammatical
		OD 0070#0 t- TO 40 000	errors, etc.)
		CR 0072r2 to TS 43.068 Rel-6 in CP-060113,	Correction of muting/un- muting procedure
		approved at CP-31	maing procedure
		Jappiorea at OI -31	1

le	dentification of the specifications as per clause 2.1	Applicable CRs and/or I	atest release 99 version
Index	of ETSI EN 301 515 [1] Specification	Applicable CR	Purpose
muex	эреспісаціон	CR 0076r1 to TS 43.068	Modification of
		Rel-7 in CP-060122,	conditions for VGCS call
		approved at CP-31	establishment
		CR 0080r1 to TS 43.068	Corrections and
		Rel-7 in CP-060122,	clarifications to the
		approved at CP-31	procedures for releasing
			the calling service
			subscribers dedicated connection to the anchor
			MSC
		CR 0081r1 to TS 43.068	Correction/ clarification
		Rel-7 in CP-060122,	of voice group call
		approved at CP-31	termination procedures
		CR 0085 to TS 43.068	Add signalling flow for a
		Rel-7 in CP-060272,	dispatcher originated
		approved at CP-32	VGCS
		CR 0088r1 to TS 43.068	Clarification on use of
		Rel-7 in CP-060276, approved at CP-32	the Uplink Reply Procedure
		CR 0094 to TS 43.068	Correction of Figure 6
		D-17:- OD 000070	Service of the service of
		approved at CP-32	
		CR 0097r2 to TS 43.068	Failure cases during
	ple all	Rel-7 in CP-060464,	VGCS call
		approved at CP-33	establishment
	Brite.	CR 0103 to TS 43.068	Indicate the originating
	D. 92. '9.	Rel-7 in CP-060464, approved at CP-33	relay MSC address to anchor MSC
	if eh Standards itehalogistandards itehalogistandar	CR 0105r1 to TS 43.068	Extension of Group ID
	The state of	Rel-7 in CP-060464,	Extendion of Group 15
	10 Strate Cull cata fee	approved at CP-33	
	Cell C Fail acide 16	CR 0114 to TS 43.068	Condition for the
	itelialize University	Rel-7 in CP-060665,	inclusion of parameters
	·ds. Q.AA	approved at CP-34	in the GCR interrogation
	dat 280°	CR 0115 to TS 43.068	message Addition of Teleservice
	ctall the control of	Rel-7 in CP-060665,	Code to
	a: Il tall	approved at CP-34	SendGroupCallInfo
	intip dist	CR 0116r1 to TS 43.068	Clarifications to the case
	V O	Rel-7 in CP-060664,	when a group ID with 8
		approved at CP-34	digits is used
		CK 0120 to 13 43.000	Definition of BSSAP
		Rel-6 in CP-070131, approved at CP-35	procedure for release of VGCS call controlling
		approved at Or -33	connections
		CR 0130 to TS 43.068	Retry of the VGCS
		Rel-6 in CP-070376,	Assignment procedure
		approved at CP-36	
		CR 0131r1 to TS 43.068	Silent (re-)joining
		Rel-7 in CP-070376,	dispatcher, immediately
		approved at CP-36	talking dispatcher Definition of BSSAP
		CR 0133 to TS 43.068 Rel-8 in CP-070371,	procedure for release of
		approved at CP-36	VGCS call controlling
			connections
		CR 0141 to TS 43.068	Correction to process
		Rel-8 in CP-070604,	VGCS_Handling_Relay_
		approved at CP-37	MSC
		CR 0142 to TS 43.068	Correction to the talker
		Rel-8 in CP-070602,	channel parameter
		approved at CP-37	

Identificati	ion of the specifications as per clause 2.1 of ETSI EN 301 515 [1]	Applicable CRs and/or	latest release 99 version
Index	Specification	Applicable CR	Purpose
		CR 0145r1 to TS 43.068	Clean up of the
		Rel-7 in CP-080123,	requirement of sending
		approved at CP-39	SMS to non established
			group calls
		CR 0147r1 to TS 43.068	Clarification of the
		Rel-8 in CP-080129,	channel to be used for
		approved at CP-39	uplink access
		CR 0150 to TS 43.068	Clarification of
		Rel-8 in CP-080361,	conditions for start and
		approved at CP-40	stop of voice inactivity
			timer
		CR 0151 to TS 43.068	Uplink reply procedure
		Rel-9 in CP-100135,	
		approved at CP-47	
		CR 0154 to TS 43.068	Initial Talker Information
		Rel-11 in CP-110882,	handling (solving race
		approved at CP-54	conditions)
		CR 0155 to TS 43.068	GCR Transient Data
		Rel-11 in CP-110882,	
		approved at CP-54	
		CR 0168 to TS 43.068	Explicit signalling
	iTeh STA Bandards iteh ai sandar	Rel-13 in CP-150329,	mute/unmute for VGCS
		approved at CP-68	11
		CR 0003 to TS 43.068	Identification of Group
	D Alle	Rel-4 in NP-000449,	ID - The longest GID
	Printer.	approved at NP-09	has to be matched
	DP 15.	CR 0004 to TS 43.068	Call Waiting is not
	Are day	Rel-4 in NP-000667,	applicable to an
	The add station	approved at NP-10	originator/talker in dedicated mode
	il eh Si A dandardsiteliaken de ander d	CR 0005 to TS 43.068	Wrong Field Name for
	cell Ge fit ilegates	Rel-4 in NP-000667,	OTDI
	11.82.86.00	approved at NP-10	OTBI
	ite 2003	CR 0006r1 to TS 43.068	DTMF precision
	1ds 9,4	Rel-4 in NP-000667,	D TWI Precision
	ada 980	approved at NP-10	
	etal esere	CR 0011r1 to TS 43.068	Correction to definition
	Gill J. Ale	Rel-4 in NP-030407,	of Group-ID, Group call
	attp. d80	approved at NP-21	area ID and Group Call
	W Q		Reference
		CR 0016r1 to TS 43.068	Correction of PCH re-
		Rel-6 in NP-040203,	organization notification
		approved at NP-24	
		CR 0022r2 to TS 43.068	Group Call Reference
		Rel-6 in NP-040515,	handling by the MSC
		approved at NP-26	during VGCS call
			establishment
		CR 0024 to TS 43.068	Clarification on
		Rel-6 in NP-040515,	Immediate Setup
		approved at NP-26	procedure
		CR 0041 to TS 43.068	Correction on the use of
		Rel-6 in CP-050057,	calling subscriber and
		approved at CP-28	destination subscriber
		CR 0047r1 to TS 43.068	Error correction
		Rel-7 in CP-050361,	
		approved at CP-29	
		CR 0055 to TS 43.068	Enhancement on the
		Rel-7 in CP-050365,	dedicated channel
		approved at CP-29	Assignment procedure
		CR 0082r2 to TS 43.068	Clarification of the no
		Rel-7 in CP-060122,	activity time
		approved at CP-31	