

**TSG RAN Meeting #17**  
**Biarritz, France, 3 - 6 September, 2002**

**RP-020622**

**Title** CRs (Rel-5 only) for Change of Maximum Number of HS-SCCH Codes  
**Source** TSG RAN WG3  
**Agenda Item** 7.3.5

<b>RAN3 Tdoc</b>	<b>Spec</b>	<b>curr. Vers.</b>	<b>new Vers.</b>	<b>REL</b>	<b>CR</b>	<b>Rev</b>	<b>Cat</b>	<b>Title</b>	<b>Work item</b>
R3-021852	25.423	5.2.0	5.3.0	REL-5	683	-	F	Change of Maximum Number of HS-SCCH Codes	HSDPA-lubtur
R3-021873	25.433	5.1.0	5.2.0	REL-5	714	-	F	Change of Maximum Number of HS-SCCH Codes	HSDPA-lubtur

## CHANGE REQUEST

# **25.423 CR 683** # rev **-** # Current version: **5.2.0** #

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the # symbols.

**Proposed change affects:** UICC apps#  ME  Radio Access Network  Core Network

<b>Title:</b>	# Change of Maximum Number of HS-SCCH Codes		
<b>Source:</b>	# RAN WG3		
<b>Work item code:</b>	# HSDPA-lublur	<b>Date:</b>	# 23/08/2002
<b>Category:</b>	# <b>F</b>	<b>Release:</b>	# Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	<b>F</b> (correction)		2 (GSM Phase 2)
	<b>A</b> (corresponds to a correction in an earlier release)		R96 (Release 1996)
	<b>B</b> (addition of feature),		R97 (Release 1997)
	<b>C</b> (functional modification of feature)		R98 (Release 1998)
	<b>D</b> (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

<b>Reason for change:</b>	# In 25.331 the "Max HSSCCHcodes" per UE is set to value 4. The "maxNrOfHSSCCHcodes" in TS 25.423 is currently 128 and should be aligned with TS 25.331
<b>Summary of change:</b>	# The Maximum Number of HS-SCCH Codes (maxNrOfHSSCCHcodes) per UE is set to the value of 4 in order to be aligned to TS 25.331. The RRC limits the number of channelisation codes for HS-SCCH to 4 (In the IE "HS-SCCH Info" the channelisation codes have the multitude of "Max HSSCCHcodes" which has the value of 4).
	<u>Impact Analysis:</u> Impact assessment towards the previous version of the specification (same release):  This CR has isolated impact with the previous version of the specification (same release) because HSDPA only is affected.  This CR has an impact under functional and protocol point of view.  This is a correction to a function where the specification was containing some contradictions with respect to TS 25.331.
<b>Consequences if not approved:</b>	# If the CR is not approved HSDPA will result in waste of resources in the Node B and RNC.

<b>Clauses affected:</b>	# 9.3.6
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<b>Other specs affected:</b>		<b>Y</b>	<b>N</b>		
	⌘	<b>X</b>		Other core specifications	⌘ CR714 TS 25.433 v5.1.0
			<b>X</b>	Test specifications	
			<b>X</b>	O&M Specifications	
<b>Other comments:</b>	⌘				

**How to create CRs using this form:**

Comprehensive information and tips about how to create CRs can be found at <http://www.3gpp.org/specs/CR.htm>. Below is a brief summary:

- 1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under <ftp://ftp.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

## 9.3.6 Constant Definitions

```

-- *****
--
-- Constant definitions
--
-- *****

RNSAP-Constants {
itu-t (0) identified-organization (4) etsi (0) mobileDomain (0)
umts-Access (20) modules (3) rnsap (1) version1 (1) rnsap-Constants (4) }

DEFINITIONS AUTOMATIC TAGS ::=

BEGIN

IMPORTS
    ProcedureCode,
    ProtocolIE-ID
FROM RNSAP-CommonDataTypes;

-- *****
--
-- Elementary Procedures
--
-- *****

id-commonTransportChannelResourcesInitialisation      ProcedureCode ::= 0
id-commonTransportChannelResourcesRelease             ProcedureCode ::= 1
id-compressedModeCommand                             ProcedureCode ::= 2
id-downlinkPowerControl                              ProcedureCode ::= 3
id-downlinkPowerTimeslotControl                      ProcedureCode ::= 4
id-downlinkSignallingTransfer                        ProcedureCode ::= 5
id-errorIndication                                  ProcedureCode ::= 6
id-dedicatedMeasurementFailure                       ProcedureCode ::= 7
id-dedicatedMeasurementInitiation                   ProcedureCode ::= 8
id-dedicatedMeasurementReporting                     ProcedureCode ::= 9
id-dedicatedMeasurementTermination                  ProcedureCode ::= 10
id-paging                                             ProcedureCode ::= 11
id-physicalChannelReconfiguration                    ProcedureCode ::= 12
id-privateMessage                                    ProcedureCode ::= 13
id-radioLinkAddition                                 ProcedureCode ::= 14
id-radioLinkCongestion                              ProcedureCode ::= 34
id-radioLinkDeletion                                 ProcedureCode ::= 15
id-radioLinkFailure                                  ProcedureCode ::= 16
id-radioLinkPreemption                               ProcedureCode ::= 17
id-radioLinkRestoration                             ProcedureCode ::= 18
id-radioLinkSetup                                    ProcedureCode ::= 19
id-relocationCommit                                  ProcedureCode ::= 20
id-synchronisedRadioLinkReconfigurationCancellation ProcedureCode ::= 21
id-synchronisedRadioLinkReconfigurationCommit        ProcedureCode ::= 22

```

id-synchronisedRadioLinkReconfigurationPreparation	ProcedureCode ::= 23
id-unsynchronisedRadioLinkReconfiguration	ProcedureCode ::= 24
id-uplinkSignallingTransfer	ProcedureCode ::= 25
id-commonMeasurementFailure	ProcedureCode ::= 26
id-commonMeasurementInitiation	ProcedureCode ::= 27
id-commonMeasurementReporting	ProcedureCode ::= 28
id-commonMeasurementTermination	ProcedureCode ::= 29
id-informationExchangeFailure	ProcedureCode ::= 30
id-informationExchangeInitiation	ProcedureCode ::= 31
id-informationReporting	ProcedureCode ::= 32
id-informationExchangeTermination	ProcedureCode ::= 33
id-reset	ProcedureCode ::= 35
id-radioLinkActivation	ProcedureCode ::= 36
id-gERANuplinkSignallingTransfer	ProcedureCode ::= 37

```
-- *****
--
-- Lists
--
-- *****
```

maxCodeNumComp-1	INTEGER ::= 255
maxRateMatching	INTEGER ::= 256
maxNoCodeGroups	INTEGER ::= 256
maxNoOfDSCHs	INTEGER ::= 10
maxNoOfDSCHsLCR	INTEGER ::= 10
maxNoOfRB	INTEGER ::= 32
maxNoOfUSCHs	INTEGER ::= 10
maxNoOfUSCHsLCR	INTEGER ::= 10
maxNoTFCIGroups	INTEGER ::= 256
maxNrOfTFCs	INTEGER ::= 1024
maxNrOfTFs	INTEGER ::= 32
maxNrOfCCTrCHs	INTEGER ::= 16
maxNrOfCCTrCHsLCR	INTEGER ::= 16
maxNrOfDCHs	INTEGER ::= 128
maxNrOfDL-Codes	INTEGER ::= 8
maxNrOfDPCHs	INTEGER ::= 240
maxNrOfDPCHsLCR	INTEGER ::= 240
maxNrOfErrors	INTEGER ::= 256
maxNrOfMACcshSDU-Length	INTEGER ::= 16
maxNrOfPoints	INTEGER ::= 15
maxNrOfRLs	INTEGER ::= 16
maxNrOfRLSets	INTEGER ::= maxNrOfRLs
maxNrOfRLs-1	INTEGER ::= 15 -- maxNrOfRLs - 1
maxNrOfRLs-2	INTEGER ::= 14 -- maxNrOfRLs - 2
maxNrOfULTs	INTEGER ::= 15
maxNrOfULTsLCR	INTEGER ::= 6
maxNrOfDLTs	INTEGER ::= 15
maxNrOfDLTsLCR	INTEGER ::= 6
maxRNCinURA-1	INTEGER ::= 15
maxTTI-Count	INTEGER ::= 4
maxCTFC	INTEGER ::= 16777215
maxNrOfNeighbouringRNCs	INTEGER ::= 10

```

maxNrOfFDDNeighboursPerRNC      INTEGER ::= 256
maxNrOfGSMNeighboursPerRNC      INTEGER ::= 256
maxNrOfTDDNeighboursPerRNC      INTEGER ::= 256
maxNrOfFACHs                     INTEGER ::= 8
maxNrOfLCRTDDNeighboursPerRNC    INTEGER ::= 256
maxFACHCountPlus1                INTEGER ::= 10
maxLSEGB                         INTEGER ::= 16
maxNrOfSCCPCHs                   INTEGER ::= 8
maxTFCI1Combs                    INTEGER ::= 512
maxTFCI2Combs                    INTEGER ::= 1024
maxTFCI2Combs-1                  INTEGER ::= 1023
maxTGPS                          INTEGER ::= 6
maxNrOfTS                        INTEGER ::= 15
maxNrOfLevels                    INTEGER ::= 256
maxNoOfDSCHs-1                   INTEGER ::= 9
maxNrOfTsLCR                     INTEGER ::= 6
maxNoSat                         INTEGER ::= 16
maxNoGPSTypes                    INTEGER ::= 8
maxNrOfMeasNCell                 INTEGER ::= 96
maxNrOfMeasNCell-1              INTEGER ::= 95 -- maxNrOfMeasNCell - 1
maxResetContext                  INTEGER ::= 250
maxNrOfHARQProc                  INTEGER ::= 8
maxNrOfHSSCCHCodes              INTEGER ::= 4128
maxNrOfMACdFlows                 INTEGER ::= 8
maxNrOfMACdFlows-1              INTEGER ::= 7 -- maxNrOfMACdFlows - 1
maxNrOfPDUIndexes                INTEGER ::= 8
maxNrOfPDUIndexes-1             INTEGER ::= 7 -- maxNrOfPDUIndexes - 1
maxNrOfPrioQueues                INTEGER ::= 8
maxNrOfPrioQueues-1             INTEGER ::= 7 -- maxNrOfPrioQueues - 1

```

/\*Partly omitted\*/

## CHANGE REQUEST

# **25.433 CR 714** # rev **-** # Current version: **5.1.0** #

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**Proposed change affects:** UICC apps#  ME  Radio Access Network  Core Network

<b>Title:</b>	# Change of Maximum Number of HS-SCCH Codes		
<b>Source:</b>	# RAN WG3		
<b>Work item code:</b>	# HSDPA-lublur	<b>Date:</b>	# 23/08/2002
<b>Category:</b>	# <b>F</b>	<b>Release:</b>	# Rel-5
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	<b>F</b> (correction)		2 (GSM Phase 2)
	<b>A</b> (corresponds to a correction in an earlier release)		R96 (Release 1996)
	<b>B</b> (addition of feature),		R97 (Release 1997)
	<b>C</b> (functional modification of feature)		R98 (Release 1998)
	<b>D</b> (editorial modification)		R99 (Release 1999)
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			Rel-5 (Release 5)
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	<u>Impact Analysis:</u> Impact assessment towards the previous version of the specification (same release):  This CR has isolated impact with the previous version of the specification (same release) because HSDPA only is affected.  This CR has an impact under functional and protocol point of view.  This is a correction to a function where the specification was containing some contradictions with respect to TS 25.331.
<b>Consequences if not approved:</b>	# If the CR is not approved HSDPA will result in waste of resources in the Node B and RNC.

<b>Clauses affected:</b>	# 9.3.6
--------------------------	---------

<b>Other specs affected:</b>		<b>Y</b>	<b>N</b>		
	⌘	<b>X</b>		Other core specifications	⌘ CR683 TS 25.423 v5.2.0
			<b>X</b>	Test specifications	
			<b>X</b>	O&M Specifications	
<b>Other comments:</b>	⌘				

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## 9.3.6 Constant Definitions

```

-- *****
--
-- Constant definitions
--
-- *****

NBAP-Constants {
itu-t (0) identified-organization (4) etsi (0) mobileDomain (0)
umts-Access (20) modules (3) nbap (2) version1 (1) nbap-Constants (4)}

DEFINITIONS AUTOMATIC TAGS ::=

BEGIN

IMPORTS
    ProcedureCode,
    ProtocolIE-ID
FROM NBAP-CommonDataTypes;

-- *****
--
-- Elementary Procedures
--
-- *****

id-audit                ProcedureCode ::= 0
id-auditRequired        ProcedureCode ::= 1
id-blockResource        ProcedureCode ::= 2
id-cellDeletion         ProcedureCode ::= 3
id-cellReconfiguration  ProcedureCode ::= 4
id-cellSetup            ProcedureCode ::= 5
id-cellSynchronisationInitiation ProcedureCode ::= 45
id-cellSynchronisationReconfiguration ProcedureCode ::= 46
id-cellSynchronisationReporting ProcedureCode ::= 47
id-cellSynchronisationTermination ProcedureCode ::= 48
id-cellSynchronisationFailure ProcedureCode ::= 49
id-commonMeasurementFailure ProcedureCode ::= 6
id-commonMeasurementInitiation ProcedureCode ::= 7
id-commonMeasurementReport ProcedureCode ::= 8
id-commonMeasurementTermination ProcedureCode ::= 9
id-commonTransportChannelDelete ProcedureCode ::= 10
id-commonTransportChannelReconfigure ProcedureCode ::= 11
id-commonTransportChannelSetup ProcedureCode ::= 12
id-compressedModeCommand ProcedureCode ::= 14
id-dedicatedMeasurementFailure ProcedureCode ::= 16
id-dedicatedMeasurementInitiation ProcedureCode ::= 17
id-dedicatedMeasurementReport ProcedureCode ::= 18
id-dedicatedMeasurementTermination ProcedureCode ::= 19
id-downlinkPowerControl ProcedureCode ::= 20

```

id-downlinkPowerTimeslotControl	ProcedureCode ::= 38
id-errorIndicationForCommon	ProcedureCode ::= 35
id-errorIndicationForDedicated	ProcedureCode ::= 21
id-informationExchangeFailure	ProcedureCode ::= 40
id-informationExchangeInitiation	ProcedureCode ::= 41
id-informationExchangeTermination	ProcedureCode ::= 42
id-informationReporting	ProcedureCode ::= 43
id-BearerRearrangement	ProcedureCode ::= 50
id-physicalSharedChannelReconfiguration	ProcedureCode ::= 37
id-privateMessageForCommon	ProcedureCode ::= 36
id-privateMessageForDedicated	ProcedureCode ::= 22
id-radioLinkAddition	ProcedureCode ::= 23
id-radioLinkDeletion	ProcedureCode ::= 24
id-radioLinkFailure	ProcedureCode ::= 25
id-radioLinkPreemption	ProcedureCode ::= 39
id-radioLinkRestoration	ProcedureCode ::= 26
id-radioLinkSetup	ProcedureCode ::= 27
id-reset	ProcedureCode ::= 13
id-resourceStatusIndication	ProcedureCode ::= 28
id-cellSynchronisationAdjustment	ProcedureCode ::= 44
id-synchronisedRadioLinkReconfigurationCancellation	ProcedureCode ::= 29
id-synchronisedRadioLinkReconfigurationCommit	ProcedureCode ::= 30
id-synchronisedRadioLinkReconfigurationPreparation	ProcedureCode ::= 31
id-systemInformationUpdate	ProcedureCode ::= 32
id-unblockResource	ProcedureCode ::= 33
id-unSynchronisedRadioLinkReconfiguration	ProcedureCode ::= 34
id-radioLinkActivation	ProcedureCode ::= 51

```
-- *****
--
-- Lists
--
-- *****
```

maxNrOfCodes	INTEGER ::= 10
maxNrOfDLTSs	INTEGER ::= 15
maxNrOfDLTSLCRs	INTEGER ::= 6
maxNrOfErrors	INTEGER ::= 256
maxNrOfTFs	INTEGER ::= 32
maxNrOfTFCs	INTEGER ::= 1024
maxNrOfRLs	INTEGER ::= 16
maxNrOfRLs-1	INTEGER ::= 15 -- maxNrOfRLs - 1
maxNrOfRLs-2	INTEGER ::= 14 -- maxNrOfRLs - 2
maxNrOfRLSets	INTEGER ::= maxNrOfRLs
maxNrOfDPCHs	INTEGER ::= 240
maxNrOfDPCHLCRs	INTEGER ::= 240
maxNrOfSCCPCHs	INTEGER ::= 8
maxNrOfCPCHs	INTEGER ::= 16
maxNrOfPCPCHs	INTEGER ::= 64
maxNrOfDCHs	INTEGER ::= 128
maxNrOfDSCHs	INTEGER ::= 32

maxNrOfFACHs	INTEGER ::= 8
maxNrOfCCTrCHs	INTEGER ::= 16
maxNrOfPDSCHs	INTEGER ::= 256
maxNrOfPUSCHs	INTEGER ::= 256
maxNrOfPDSCHSets	INTEGER ::= 256
maxNrOfPRACHLCRs	INTEGER ::= 8
maxNrOfPUSCHSets	INTEGER ::= 256
maxNrOfSCCPCHLCRs	INTEGER ::= 8
maxNrOfULTSs	INTEGER ::= 15
maxNrOfULTSLCRs	INTEGER ::= 6
maxNrOfUSCHs	INTEGER ::= 32
maxAPSigNum	INTEGER ::= 16
maxNrOfSlotFormatsPRACH	INTEGER ::= 8
maxCellinNodeB	INTEGER ::= 256
maxCCPinNodeB	INTEGER ::= 256
maxCPCHCell	INTEGER ::= maxNrOfCPCHs
maxCTFC	INTEGER ::= 16777215
maxLocalCellinNodeB	INTEGER ::= maxCellinNodeB
maxNoofLen	INTEGER ::= 7
maxFPACHCell	INTEGER ::= 8
maxRACHCell	INTEGER ::= maxPRACHCell
maxPRACHCell	INTEGER ::= 16
maxPCPCHCell	INTEGER ::= 64
maxSCCPCHCell	INTEGER ::= 32
maxSCPICHCell	INTEGER ::= 32
maxTTI-count	INTEGER ::= 4
maxIBSEG	INTEGER ::= 16
maxIB	INTEGER ::= 64
maxFACHCell	INTEGER ::= 256 -- maxNrOfFACHs * maxSCCPCHCell
maxRateMatching	INTEGER ::= 256
maxCodeNrComp-1	INTEGER ::= 256
maxNrOfCellSyncBursts	INTEGER ::= 10
maxNrOfCodeGroups	INTEGER ::= 256
maxNrOfReceptsPerSyncFrame	INTEGER ::= 16
maxNrOfMeasNCell	INTEGER ::= 96
maxNrOfMeasNCell-1	INTEGER ::= 95 -- maxNrOfMeasNCell - 1
maxNrOfTFCIGroups	INTEGER ::= 256
maxNrOfTFCI1Combs	INTEGER ::= 512
maxNrOfTFCI2Combs	INTEGER ::= 1024
maxNrOfTFCI2Combs-1	INTEGER ::= 1023
maxNrOfSF	INTEGER ::= 8
maxTGPS	INTEGER ::= 6
maxCommunicationContext	INTEGER ::= 1048575
maxNrOfLevels	INTEGER ::= 256
maxNoSat	INTEGER ::= 16
maxNoGPSItems	INTEGER ::= 8
maxNrOfHSSCCHs	INTEGER ::= 32
maxNoOfSyncFramesLCR	INTEGER ::= 512
maxNrofreceptionsperSyncFrameLCR	INTEGER ::= 8
maxNrOfHSSCCHCodes	INTEGER ::= <del>4128</del>
maxNrOfMACdFlows	INTEGER ::= 8
maxNrOfMACdFlows-1	INTEGER ::= 7 -- maxNrOfMACdFlows - 1
maxNrOfMACdPDUIndexes	INTEGER ::= 8

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maxNrOfMACdPDUIndexes-1    INTEGER ::= 7  -- maxNoOfMACdPDUIndexes - 1
maxNrOfPriorityQueues       INTEGER ::= 8
maxNrOfPriorityQueues-1    INTEGER ::= 7  -- maxNoOfPriorityQueues - 1
maxNrOfHARQProcesses       INTEGER ::= 8
```

**/\*Partly omitted\*/**