

TSG RAN Meeting #20
Hämeenlinna, Finland, 3 - 6 June, 2003

RP-030218

Title CRs (Rel-5) to TS 25.102 & TS 25.123 under WI "High Speed Downlink Packet Access" (TDD)
Source TSG RAN WG4
Agenda Item 8.5.1

RAN4 Tdoc	Spec	CR	R	Cat	Rel	Curr Ver	Title	Work Item
R4-020588	25.102	137	1	F	Rel-5	5.4.0	Specification of HSDPA CQI test for 3.84 Mcps	HSDPA-RF
R4-020601	25.102	138		B	Rel-5	5.4.0	CQI performance requirements for 1.28 Mcps TDD option	HSDPA-RF
R4-020605	25.102	139		B	Rel-5	5.4.0	Addition of VRC performance requirements with low resource units for 1.28 Mcps TDD option	HSDPA-RF
R4-020613	25.102	140		B	Rel-5	5.4.0	Specification of HS-SCCH performance for 1.28 Mcps TDD option	HSDPA-RF
R4-020516	25.123	304		F	Rel-5	5.4.0	HS-SICH measurements for UTRA TDD (1.28 and 3.84 Mcps option)	HSDPA-RF

CHANGE REQUEST

⌘ **25.102 CR 137** ⌘ rev **1** ⌘ Current version: **5.4.0** ⌘

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

Title:	⌘ Specification of HSDPA CQI test for 3.84 Mcps		
Source:	⌘ RAN WG4		
Work item code:	⌘ HSDPA-RF	Date:	⌘ 27/05/2003
Category:	⌘ F	Release:	⌘ Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)	2 (GSM Phase 2)	
	A (corresponds to a correction in an earlier release)	R96 (Release 1996)	
	B (addition of feature),	R97 (Release 1997)	
	C (functional modification of feature)	R98 (Release 1998)	
	D (editorial modification)	R99 (Release 1999)	
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	⌘ The required HSDPA CQI accuracy test for UE is not specified. The test is essential to ensureing predictable and consistnt UE operation with in the RAN.
Summary of change:	⌘ Requirements for the UE CQI accuracy are added.
Consequences if not approved:	⌘ The CQI performance of the UE will not be adiaquatly specified, which may allow UE to behave in an undesirable manner.

Clauses affected:	⌘ 9.1.3 (new)								
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;">X</td> <td style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;">X</td> </tr> </table>	Y	N	X			X	Other core specifications	⌘ 34.122
Y	N								
X									
	X								
		Test specifications							
		O&M Specifications							
Other comments:	⌘								

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.

9.1.3 Reporting of Channel Quality Indicator

The reporting accuracy of channel quality indicator (CQI) under AWGN environments is determined by the reporting variance and BLER performance using the transport format indicated by the reported median CQI.

9.1.3.1 Minimum requirement Channel Quality Indicator, 7,3 Mbps – Category 8 - UE

For the parameters specified in Table [9.x] the reported CQI value shall be within the range of +/- 10 of the allowable CQIs of the reported median CQI more than 90% of the time. The BLER for the reported median CQI shall be less than 10%.

Table [9.x]: Test parameters for variable reference measurement channel requirements for 7,3 Mbps – Category 8 - UE (3,84 Mcps TDD Option)

<u>Parameters</u>	<u>Unit</u>	<u>Test 1</u>	<u>Test 2</u>
<u>Scrambling code and basic midamble code number*</u>	-	<u>0, 1</u>	
<u>Number of TS</u>	-	<u>8</u>	
<u>HS-PDSCH Channelization Codes*</u>	<u>C(k,Q)</u>	<u>C(i,16)</u> <u>i=1..16</u>	
<u>Number of Hybrid ARQ processes**</u>	-	<u>4</u>	
<u>Maximum number of Hybrid ARQ transmissions</u>	-	<u>1</u>	
<u>Redundancy and constellation version coding sequence</u>	<u>(Xrv, s, r, b)</u>	<u>(0, 1, 0, 0)</u>	
<u>HS-PDSCH_i Ec/Ior</u>	<u>dB</u>	<u>-12,04</u>	
$\frac{\sum_1^i HS - PDSCH - Ec_i}{I_{or}}$	<u>dB</u>	<u>0</u>	
$\frac{\hat{I}_{or}}{I_{oc}}$	<u>dB</u>	<u>5</u>	<u>10</u>
<u>I_{oc}</u>	<u>dBm/3,84MHz</u>	<u>-60</u>	
<u>Note:</u> <u>*Refer to TS 25.223 for definition of channelization codes, scrambling code and basic midamble code.</u> <u>** For timing requirements, HARQ is not active</u>			

Paris, France 19 - 23 May, 2003

CR-Form-v7

CHANGE REQUEST⌘ **25.102 CR 138** ⌘ rev ⌘ Current version: **5.4.0** ⌘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

Title:	⌘ Specification of HSDPA CQI test		
Source:	⌘ RAN WG4		
Work item code:	⌘ HSDPA-RF	Date:	⌘ 27/05/2003
Category:	⌘ B	Release:	⌘ Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)	R96	2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)	R97	(Release 1996)
	B (addition of feature),	R98	(Release 1997)
	C (functional modification of feature)	R99	(Release 1998)
	D (editorial modification)	Rel-4	(Release 1999)
	Detailed explanations of the above categories can	Rel-5	(Release 4)
	be found in 3GPP TR 21.900 .	Rel-6	(Release 5)
			(Release 6)

Reason for change:	⌘ The required HSDPA CQI accuracy tests for TDD 1.28Mcps option are not specified. The tests are essential to ensure consistent operation of CQI reporting across all UEs and to ensure an accurate reporting of the CQI
Summary of change:	⌘ HSDPA for 1,28Mcps TDD option CQI reporting performance requirements are added.
Consequences if not approved:	⌘ HSDPA CQI performance requirements for UE, resulting HSDPA performance specification to be incomplete.

Clauses affected:	⌘ 9.2.3 (new)										
Other specs affected:	<table border="1"> <tr> <td>Y</td> <td>N</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> </table>	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other core specifications Test specifications O&M Specifications	⌘ 34.122
Y	N										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
<input checked="" type="checkbox"/>	<input type="checkbox"/>										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
Other comments:	⌘										

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.

9.2.3 Reporting of Channel Quality Indicator

The reporting accuracy of channel quality indicator (CQI) under AWGN environments is determined by the reporting variance and the BLER performance using the transport format indicated by the reported CQI median.

9.2.3.1 Minimum Requirement, Channel Quality Indicator – 1.4Mbps UE class

For the parameters specified in Table 9.15, the reported CQI value shall be within +/- x, as specified in Table 9.16, of the reported median CQI for more than Y%, also specified in Table 9.16, of the time.

Table 9.15: Test parameters for CQI reporting measurement channel requirements for 1.4 Mbps UE class (1.28 Mcps TDD Option)

		Test1	Test2	Test3	Test4
Parameter	Unit	Value			
Number of TS	:	4	4	4	4
Number of DPCH ₀		7	7	0	0
Number of HS-PDSCH codes per timeslot	:	3	3	10	10
HS-DSCH _i Ec/Ior	dB	-10	-10	-10	-10
HS-DSCH Channelization Codes	C(k,Q)	$\frac{C(i,16)}{1 \leq i \leq 3}$	$\frac{C(i,16)}{1 \leq i \leq 3}$	$\frac{C(i,16)}{1 \leq i \leq 10}$	$\frac{C(i,16)}{1 \leq i \leq 10}$
Number of HARQ processes	:	4			
Maximum number of HARQ transmissions	:	1			
\hat{I}_{or} / I_{oc}	dB	1	8	1	8

Table 9.16: Performance requirements for CQI reporting measurement channel requirements for 1.4 Mbps UE class (1.28 Mcps TDD Option)

Test	Permitted CQI range from median (x)	% of time that CQI must be within +/- x of median (Y)	Maximum BLER for median reported CQI
Test 1	+/- 3	90	10%
Test 2	+/- 2	90	
Test 3	+/- 3	90	
Test 4	+/- 2	90	

Paris, France 19 - 23 May, 2003

CR-Form-v7

CHANGE REQUEST⌘ **25.102 CR 139** ⌘ rev ⌘ Current version: **5.4.0** ⌘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

Title:	⌘ Addition of VRC performance requirement with low resource units for 1.28 Mcps TDD option
Source:	⌘ RAN WG4
Work item code:	⌘ HSDPA-RF Date: ⌘ 27/05/2003
Category:	⌘ B Release: ⌘ Rel-5
	Use <u>one</u> of the following categories:
	F (correction)
	A (corresponds to a correction in an earlier release)
	B (addition of feature),
	C (functional modification of feature)
	D (editorial modification)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .
	Use <u>one</u> of the following releases:
	2 (GSM Phase 2)
	R96 (Release 1996)
	R97 (Release 1997)
	R98 (Release 1998)
	R99 (Release 1999)
	Rel-4 (Release 4)
	Rel-5 (Release 5)
	Rel-6 (Release 6)

Reason for change:	⌘ Requirements for HSDPA variable reference channel with low resource units are missing.
Summary of change:	⌘ Requirements for HSDPA variable reference channel with low resource units are added for PA3, PB3 and VA30.
Consequences if not approved:	⌘ Variable reference channel requirement with low resource units will not be covered by the specifications.

Clauses affected:	⌘ 9.2.2								
Other specs affected:	<table border="1"> <tr> <td>Y</td> <td>N</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> </table> Other core specifications Test specifications O&M Specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Y	N								
<input type="checkbox"/>	<input checked="" type="checkbox"/>								
<input checked="" type="checkbox"/>	<input type="checkbox"/>								
<input type="checkbox"/>	<input checked="" type="checkbox"/>								
Other comments:	⌘ 34.122								

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.

9.2.2 HS-DSCH throughput for Variable Reference Channels

9.2.2.1 Minimum requirement, Variable Reference Channel - 1.4 Mbps UE class

For the parameters specified in Table 9.13 the measured throughput R shall exceed the throughput specified in Table 9.14 for each radio condition. The Variable Reference Channel is specified in Annex A.3.3.

Table 9.13: Test parameters for variable reference measurement channel requirements for 1.4 Mbps UE class (1.28 Mcps TDD Option)

Parameters	Unit	Test 1	Test 2	Test 3	Test 4	Test 5	Test 6
HS-PDSCH Modulation and transport block size	-	* See note 1					
Scrambling code and basic midamble code number * See note 2	-	0					
<u>Number of DPCH₀ per timeslot</u>	-	0			7		
<u>Number of HS-PDSCH codes per timeslot</u>	-	10			3		
HS-PDSCH Channelization Codes * See note 2	C(k,Q)	C(i,16) i=1..10			TBD C(i,16) i=1..3		
Number of Hybrid ARQ processes	-	4					
Maximum number of Hybrid ARQ transmissions	-	1					
Redundancy and constellation version coding sequence	Xrv	0					
$\frac{HS - PDSCH - E_c}{I_{or}}$	dB	-10			TBD -10		
I_{oc}	dBm/1.28 MHz	-60					
Note 1)	As requested by the last received CQI report						
Note 2)	Refer to TS 25.223 for definition of channelization codes, scrambling code and basic midamble code.						
Note 3)	If the indicated CQI is 0, the Node-B emulator shall format the next HS-PDSCH transmission with the transport block size and the modulation scheme that were previously used.						

Table 9.14: Performance requirements for variable reference measurement channel requirement in multipath channels for 1.4 Mbps UE class (1.28 Mcps TDD Option)

Test Number	Propagation conditions	$\frac{\hat{I}_{or}}{I_{oc}}$ [dB]	R (Throughput) [kbps]
1	PA3	10	445
2	PB3	10	446
3	VA30	10	271
4	PA3	TBD 8	TBD 98
5	PB3	TBD 8	TBD 100
6	VA30	TBD 8	TBD 64

Paris, France 19 - 23 May, 2003

CR-Form-v7

CHANGE REQUEST⌘ **25.102 CR 140** ⌘ rev ⌘ Current version: **5.4.0** ⌘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

Title:	⌘ Specification of HS-SCCH Performance for 1.28Mcps TDD option		
Source:	⌘ RAN WG4		
Work item code:	⌘ HSDPA-RF	Date:	⌘ 27/05/2003
Category:	⌘ B	Release:	⌘ Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	⌘ The required HS-SCCH detection performance for 1.28Mcps TDD option is not specified.
Summary of change:	⌘ The requirement for HS-SCCH detection performance for 1.28Mcps TDD option is added.
Consequences if not approved:	⌘ HS-SCCH detection performance is not defined and the HSPDA receiver performance specification is incomplete.

Clauses affected:	⌘ 9.2.4(new)										
Other specs affected:	<table border="1"> <tr> <td>Y</td> <td>N</td> </tr> <tr> <td>X</td> <td>X</td> </tr> <tr> <td>X</td> <td></td> </tr> <tr> <td></td> <td>X</td> </tr> </table>	Y	N	X	X	X			X	Other core specifications Test specifications O&M Specifications	⌘ 34.122
Y	N										
X	X										
X											
	X										
Other comments:	⌘										

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.

9.2.4 HS-SCCH Detection Performance

The detection performance of the HS-SCCH is determined by the probability of event E_m , which is declared when the UE is signaled on HS-SCCH, but DTX is observed in the corresponding HS-SICH ACK/NACK field. The probability of event E_m is denoted $P(E_m)$.

9.2.4.1 Minimum Requirements for HS-SCCH Detection

For the test parameters specified in Table 9.17, for each value of HS-SCCH \hat{I}_{or}/I_{oc} specified in Table 9.18 the measured $P(E_m)$ shall be less than or equal to the corresponding specified value of $P(E_m)$.

Table 9.17: Test parameters for HS-SCCH detection (1.28Mcps TDD option)

Parameter	Unit	Test 1	Test2
Number of TS under test	-	1	
Number of HS-SCCH codes per timeslot	-	8 (4 x2)	
Scrambling code and basic midamble code number*	-	0	
Number of DPCH ₀	-	2	
Number of H-ARQ process	-	4	
HS-SCCH UE Identity ($x_{ue,1}, x_{ue,2}, \dots, x_{ue,16}$)	-	UE1 = 0000000000000000 (UE1 under test) UE2 = 0101010101010101 UE3 = 1010101010101010 UE4 = 1111111111111111	
HS-SCCH Channelization Codes*	C(k,Q)	C(i,16) 1 ≤ i ≤ 8	
HS-SCCH Channelization Codes for UE under test	C(k,Q)	C(i,16) 1 ≤ i ≤ 2	
DPCH ₀ Channelization Codes	C(k,Q)	C(i,16) 9 ≤ i ≤ 10	
$\frac{HS-SCCH_i - E_c}{I_{or}}$	dB	-10	
I_{oc}	dBm/1.28MHz	-60	
*Note: Refer to TS 25.223 for definition of channelization codes, scrambling code and basic midamble code.			

Table 9.18: Minimum requirement for HS-SCCH detection (1.28Mcps TDD option)

Test Number	Propagation Conditions	$\frac{\hat{I}_{or}}{I_{oc}}$ (dB)	$P(E_m)$
1	PA3	16	0.01
2	VA30	12	0.01

CHANGE REQUEST

⌘ **25.123 CR 304** ⌘ rev ⌘ Current version: **5.4.0** ⌘

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

Title:	⌘ HS-SICH measurements for UTRA TDD (1.28 and 3.84 Mcps option)		
Source:	⌘ RAN WG4		
Work item code:	⌘ HSDPA-RF	Date:	⌘ 27/05/2003
Category:	⌘ F	Release:	⌘ Rel-5
	<i>Use <u>one</u> of the following categories:</i> F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		<i>Use <u>one</u> of the following releases:</i> 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

Reason for change:	⌘ HS-SICH reception quality measurements have been added to 25.225, CR 065. Therefore, the measurement period and range/mapping need to be defined for this new measurement.
Summary of change:	⌘ The measurement time period and range/mapping for the HS-SICH reception quality measurement are defined.
Consequences if not approved:	⌘ There will be no definition of the measurement time period or range/mapping for the HS-SICH reception quality measurement. Therefore, the RRM will have no information on performance of the UL HSDPA control channel performance.

Clauses affected:	⌘ New 9.2.1.14										
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;">X</td> </tr> </table>	Y	N		X		X		X	Other core specifications Test specifications O&M Specifications	⌘
Y	N										
	X										
	X										
	X										
Other comments:	⌘ -										

9.2.1.14 HS-SICH reception quality

The measurement period shall be 200 ms

9.2.1.14.1 Range/mapping

The *HS-SICH reception quality* reporting range is from 0...20 reception indications.

The mappings of the measured quantities are defined in tables 9.44O, 9.44P and 9.44Q.

Table 9.44O

<u>Reported value</u>	<u>Measured quantity value</u>	<u>Unit</u>
<u>FAILED_HS_SICH_00</u>	<u>Failed HS-SICH receptions = 0</u>	-
<u>FAILED_HS_SICH_01</u>	<u>Failed HS-SICH receptions = 1</u>	-
<u>FAILED_HS_SICH_02</u>	<u>Failed HS-SICH receptions = 2</u>	-
...
<u>FAILED_HS_SICH_17</u>	<u>Failed HS-SICH receptions = 17</u>	-
<u>FAILED_HS_SICH_18</u>	<u>Failed HS-SICH receptions = 18</u>	-
<u>FAILED_HS_SICH_19</u>	<u>Failed HS-SICH receptions = 19</u>	-
<u>FAILED_HS_SICH_20</u>	<u>Failed HS-SICH receptions = 20</u>	-

Table 9.44P

<u>Reported value</u>	<u>Measured quantity value</u>	<u>Unit</u>
<u>MISSED_HS_SICH_00</u>	<u>Missed HS-SICH receptions = 0</u>	-
<u>MISSED_HS_SICH_01</u>	<u>Missed HS-SICH receptions = 1</u>	-
<u>MISSED_HS_SICH_02</u>	<u>Missed HS-SICH receptions = 2</u>	-
...
<u>MISSED_HS_SICH_17</u>	<u>Missed HS-SICH receptions = 17</u>	-
<u>MISSED_HS_SICH_18</u>	<u>Missed HS-SICH receptions = 18</u>	-
<u>MISSED_HS_SICH_19</u>	<u>Missed HS-SICH receptions = 19</u>	-
<u>MISSED_HS_SICH_20</u>	<u>Missed HS-SICH receptions = 20</u>	-

Table 9.44Q

<u>Reported value</u>	<u>Measured quantity value</u>	<u>Unit</u>
<u>TOTAL_HS_SICH_00</u>	<u>Expected HS-SICH transmissions = 0</u>	-
<u>TOTAL_HS_SICH_01</u>	<u>Expected HS-SICH transmissions = 1</u>	-
<u>TOTAL_HS_SICH_02</u>	<u>Expected HS-SICH transmissions = 2</u>	-
...
<u>TOTAL_HS_SICH_17</u>	<u>Expected HS-SICH transmissions = 17</u>	-
<u>TOTAL_HS_SICH_18</u>	<u>Expected HS-SICH transmissions = 18</u>	-
<u>TOTAL_HS_SICH_19</u>	<u>Expected HS-SICH transmissions = 19</u>	-
<u>TOTAL_HS_SICH_20</u>	<u>Expected HS-SICH transmissions = 20</u>	-