3GPP TSG-RAN Meeting #11
Palm Springs, CA, US, Mar 13th - 16th 2001

Tdoc RP-~~010251~~010250

Agenda Item:	5.4.2
Source:	**ARIB**
Title:	CR for TS25.141 on Regional requirements for Test Tolerances
Document for:	Discussion and Approval

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In TSG-RAN#11 meeting in Palm Springs (Mar 2001), a proposal [1] on how to handle regional requirements in test tolerances section of TS25.141 was discussed. It was originally based on the CR proposed at RAN-WG4#15 meeting [2]. At this stage, ARIB believes that it is worthwhile and necessary for TSG-RAN to make substantial discussion on this issue and realizes that there is room to achieve common understanding and adequate resolution. Consensus obtained thorough discussion in the floor at TSG-RAN#11 as well as successive offline discussion seemed to be that TSG RAN needed to take two actions to solve the issue. One is that PCG should be asked for general guidance for such a particular case that how to resolve such tentative inconsistency between 3GPP specifications and regulations needs to be considered. Another is that an adequate text is to be added to 4.7　Regional requirements of TS25.141.Taking into serious account concerns raised in the floor and problems in Japanese regulation, , attached CR has been drafted and is proposed for approval.

Reference

[1]   RP-010083," Regional requirements on Test Tolerances ",ARIB

[2]   R4-010225," CR for Regional requirements on Test Tolerances (Rev2)",ARIB

CR-Form-v3

CHANGE REQUEST

⌘　　　**25.141** CR **NUM**　　⌘ rev **-**　⌘　Current version: **3.4.1**　⌘

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

Proposed change affects: ⌘　(U)SIM ☐　ME/UE ☐　Radio Access Network **X**　Core Network ☐

Title: ⌘	Regional requirements on Test Tolerance	
Source: ⌘	ARIB	
Work item code: ⌘		***Date:*** ⌘ 03.14.2001
Category: ⌘ **F**		***Release:*** ⌘ R99

Use one of the following categories:
  F *(essential 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 one 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)*

Reason for change: ⌘	As the current Japanese regulations could only be based on "test requirements" in former version of TS25.141, they do not reflect latest "test requirements" which may include non-zero test tolerances. Although, Japanese regulations have to be revised so as to incorporate all the changes in TS25.141, it will take certain period of time and as a matter of fact, before all the changes are incorporated, Japanese regulations supersedes test requirements in 3GPP. It is also a common possible situation in regions other than Japan. To avoid neither confusion nor misunderstanding caused by this inconsistency, clear indication of allowing "tentative application of 'test requirements' with 'zero test tolerance'" is necessary.
Summary of change: ⌘	To indicate that, shared risk against core specification value with test tolerance of zero may be applied provisionally as regional requirement in Japan by the time the non-zero test tolerances are reflected to the Japanese regulations.
Consequences if not approved: ⌘	In the meantime before those regulations reflect "Test Requirements with non-zero test tolerance", there will be inconsistency between test requirements in 3GPP and the regulations. This will cause serious confusion or misunderstanding in conformance testing.

Clauses affected: ⌘	4.7

Other specs Affected: ⌘	☐ Other core specifications ⌘	
	☐ Test specifications	
	☐ O&M Specifications	

Other comments: ⌘	The proposed statement shall be removed after all the relevant regulations in each region reflect "Test Requirements with non-zero test tolerance" in TS25.141.

4.7 Regional requirements

Some requirements in TS 25.141 may only apply in certain regions. Table 4.4 lists all requirements that may be applied differently in different regions.

Table 4.4: List of regional requirements

Subclause number	Requirement	Comments
3.4.1	Frequency bands	Some bands may be applied regionally.
3.4.2	Tx-Rx Frequency Separation	The requirement is applied according to what frequency bands in subclause 3.4.1 that are supported by the BS.
4.2	Test Tolerances * (*: This regional requirement ~~shall should be~~ ~~reconsidered~~ reviewed to check its necessity every TSG RAN meeting.~~by Dec. 31, 2001~~)	Until the time the non-zero test tolerances are reflected in the Japanese regulations, shared risk against core specification value with test tolerance of zero may be applied provisionally for the following minimum requirements as ~~their~~ regional requirement in Japan. - 6.2.1.2 Base station maximum output power - 6.3 Frequency error - 6.4.2 Power control steps - 6.4.3 Power control dynamic range - 6.4.4 Total power dynamic range - ~~6.5.1 Occupied bandwidth~~ - 6.5.2.2 Adjacent Channel Leakage power Ratio(ACLR) - ~~6.5.3 Spurious emissions~~ - ~~6.6 Transmit intermodulation~~ - ~~6.7.1 Error vector magnitude~~ - 6.7.2 Peak code Domain error - 7.2 Receiver sensitivity Level - ~~7.4 Adjacent Channel Selectivity~~ - ~~7.5 Blocking characteristics~~ - ~~7.6 Intermodulation characteristics~~ - ~~7.7 Rx spurious emissions~~
6.2.1.2	Base station output power	In certain regions, the minimum requirement for normal conditions may apply also for some conditions outside the ranges defined for the Normal test environment in subclause 4.4.1.
6.5.2.1	Spectrum emission mask	The mask specified may be mandatory in certain regions. In other regions this mask may not be applied.
6.5.3.5	Spurious emissions (Category A)	These requirements shall be met in cases where Category A limits for spurious emissions, as defined in ITU-R Recommendation SM.329-7 [1], are applied.
6.5.3.6	Spurious emissions (Category B)	These requirements shall be met in cases where Category B limits for spurious emissions, as defined in ITU-R Recommendation SM.329-7 [1], are applied.
6.5.3.8.1	Co-existence with GSM900 – Operation in the same geographic area	This requirement may be applied for the protection of GSM 900 MS in geographic areas in which both GSM 900 and UTRA are deployed.
6.5.3.8.2	Co-existence with GSM900 – Co-located base stations	This requirement may be applied for the protection of GSM 900 BTS receivers when GSM 900 BTS and UTRA BS are co-located.
6.5.3.9.1	Co-existence with DCS1800 – Operation in the same geographic area	This requirement may be applied for the protection of DCS 1800 MS in geographic areas in which both DCS 1800 and UTRA are deployed.
6.5.3.9.2	Co-existence with DCS1800 – Co-located base stations	This requirement may be applied for the protection of DCS 1800 BTS receivers when DCS 1800 BTS and UTRA BS are co-located.
6.5.3.10	Co-existence with PHS	This requirement may be applied for the protection of PHS in geographic areas in which both PHS and UTRA are deployed.
6.5.3.11	Co-.existence with services in adjacent frequency bands	This requirement may be applied for the protection in bands adjacent to 2110-2170 MHz, as defined in subclause 3.4.1(a) and 1930-1990 MHz, as defined in subclause 3.4.1(b) in geographic areas in which both an adjacent band service and UTRA are

		deployed.
6.5.3.12.1	Co-existence with UTRA TDD – Operation in the same geographic area	This requirement may be applied to geographic areas in which both UTRA-TDD and UTRA-FDD are deployed.
6.5.3.12.2	Co-existence with UTRA TDD – Co-located base stations	This requirement may be applied for the protection of UTRA-TDD BS receivers when UTRA-TDD BS and UTRA FDD BS are co-located.
7.5	Blocking characteristic	The requirement is applied according to what frequency bands in subclause 3.4.1 that are supported by the BS.