

Status Report for WI to TSG

Work Item Name: Enhancement of the support of network sharing in the UTRAN

SOURCE: Rapporteur

TSG: RAN

WG: 2

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Ref. to WI sheet: ftp://ftp.3gpp.org/tsg_ran/TSG_RAN/Work_Item_sheets/

Progress Report since the last TSG (for all involved WGs):

RAN WG2:

The following documents has been presented:

- ?? Proposed CR to 25.304 on UE report of available PLMN identities to NAS for PLMN selection
- ?? Proposed CR to 25.331 on insertion of multiple PLMN identities in the MIB
- ?? Proposed CR to 25.331 on support for signaling selected PLMN identity to UTRAN in Shared Networks

There were no objections to the proposed technical principals behind the documents. Only minor changes in the wording and ASN.1 encoding are required. The UE behaviour will also need some further clarification

Concern was raised whether Network Sharing is a mandatory feature in the Rel-6 UEs. Despite the fact that the service requirements clearly mandate this feature, it was decided to bring this question to the RAN plenary.

Estimated level of completion in RAN WG2: 60%

RAN WG3:

- ?? An evaluation of two proposed mechanisms for redirection in MOCN configuration has been performed and as an agreement the RAN centric approach has been recommended to SA2 as preferred method over CN centric rerouting (this is the conclusion in CN1 as well). An optimisation of the RAN centric approach has also been discussed with the conclusion that it would require further work.
- ?? A CR to 25.413 on indication of selected CN-id (using RANAP signalling from RNC to CN) in GWCN configuration has been principally agreed.

Estimated level of completion in RAN WG3: 40%

List of Completed elements (for complex work items):

The following technical principals has been accepted:

- ?? Broadcast of multiple PLMN
 - o A list of PLMN identities can be inserted into the Master Information Block (MIB)
 - o The PLMN list can contain up to 5 PLMN identities
 - o The MCC of a PLMN identity in the list may not be sent if its MCC is the same as the MCC of the previous PLMN in the list
 - o The coding of the PLMN list indicates whether the pre Rel. 6 "PLMN identity" IE in the MIB is considered to be part of the multiple PLMN list or not.
 - o When the multiple PLMN list is not available in the MIB, the pre Rel. 6 "PLMN identity" IE in the MIB is the PLMN of the cell
- ?? Indication of selected PLMN

- An IE that indicates selected PLMN to UTRAN is inserted in the Initial Direct Transfer message
- The IE that indicates the selected PLMN points out the order of the selected PLMN in the list
- The selected PLMN is indicated to the CN in a new IE in the RANAP “Initial UE message”

List of open issues:

- ?? The proposed UE behaviour needs further clarification
- ?? Preparing/updating CRs on all the needed changes in the RAN2 specifications
- ?? Preparing the needed CRs and clarifications for rerouting mechanism in MOCN configuration
- ?? Preparing the updated CR for indication of CN-id in GWCN configuration

Estimates of the level of completion (when possible):

50%

WI completion date review resulting from the discussion at the working group:

RAN#25

References to WG's internal documentation and/or TRs:

None