

Status Report for SI to TSG RAN

**Study Item Name: Status Report for Feasibility Study (FS) on Evolved UTRA and UTRAN**

**SOURCE:** Rapporteur – Takehiro Nakamura (NTT DoCoMo)  
Vice-Rapporteur – Don Zelmer (Cingular Wireless) **TSG:** RAN Plenary

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**Ref. to SI sheet:** RP-0400461

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

A two day meeting was held in Tokyo, 7 & 8 March 2005 concerning TSG RAN Long Term Evolution (LTE)

- Meeting Chaired by the 3GPP TSG RAN Chair (Mr. Courau)
- Areas of discussion and debate:
  - Work Plan and Time Scales for the Study Item (SI)
    - Initial plan was agreed<sup>[1]</sup>
  - It was agreed that SA WG2 will be invited to meet jointly with RAN WG's to discuss the RAN-CN functional architectural split beginning in the May 2005 Athens meeting (see [2])
    - Proposed that only RAN2 and RAN3 meet with SA2 in the Athens RAN WG meetings
    - Other RAN WG's will meet with SA2 on an as needed basis.
  - Requirements
    - Several input documents were covered in the area of requirements
    - Based on the discussion, text proposals were collected in REV-05050 and that was discussed further as the working document for LTE requirements<sup>[3]</sup>.
    - Further clarification on each item is required, text on several areas was agreed to be included in the TR on requirements, including:
      - Capacity targets, peak data rate targets, typical environments, baseline assumptions on the number of antennas to be used, Release 6 reference case assumptions etc.
    - Further clarifications were identified to be needed on the following issues
      - Delay requirement
      - Further details for typical environment including RMS Delay spread
      - BW mode application to frequency bands
      - Interworking and mobility within 3GPP systems
      - Handover to non 3GPP RAT
      - Complexity requirements
      - Capex and Opex related requirements
    - Items in REV-05050 13-18 was not discussed due to lack of time and additional issues related general requirements e.g. requirements related to standalone operations were not covered
  - SI Technical Report (TR) Structure
    - Two skeleton TRs for requirements and feasibility study were proposed by the rapporteur<sup>[4,5]</sup>
    - Requirement skeleton TR will be revised to capture work plan and to change section structure
    - Feasibility study TR was endorsed with addition of new section for RRM parameters

- **Actions:**

- **New LTE reflector shall be set-up in the near future**
- **All draft TR Requirements proposals shall be posted 1 week in advance of the next LTE meeting**
- **For the joint RAN1-2-3-4 session detailed agenda needs to be prepared well in advance so that each company is well aware what is going to be addressed**
- **Rapporteur Nakamura will be the moderator on the reflector. Email discussions were encouraged on the requirements before the next RAN LTE meeting.**

**List of Completed elements (for complex work items):**

The work plan and time scale was agreed and will be included in the requirement TR  
The skeleton of SI TR was endorsed

**List of open issues:**

**Estimates of the level of completion (when possible): 5%**

**SI completion date review resulting from the discussion at the working group: RAN 32 (June 2006)**

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

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|---------------|---|
| [1] REV-05055 | Updated Workplan Evolved UTRA and UTRAN                                 |
| [2] REV-05056 | Proposed joint meetings with SA2  |
| [3] REV-05050 | Text Proposals for the Requirement TR, Rapporteur                       |
| [4] REV-05013 | Draft Skeleton TR of Requirements for EUTRA and EUTRAN, Rapporteur      |
| [5] REV-05014 | Draft Skeleton TR of Feasibility Study for EUTRA and EUTRAN, Rapporteur |