Status Report for WI to TSG

Work Item Name: WI: Separation of Resource Reservation and Radio Link activation

SOURCE: Gert-Jan van Lieshout (Ericsson)   **TSG:** RAN   **WG:** WG3

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Ref. to WI sheet: RAN_Work_Items.doc

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

Work on this WI is progressing. Both during RAN3#24 and RAN3#25, several contributions were treated and approved for inclusion in the TR.

List of Completed elements (for complex work items):

List of open issues:

See section 6.7. of the TR.

Estimates of the level of completion (when possible): 60%

WI completion date review resulting from the discussion at the working group:
The WI targets 5 potential optimisations:
1. Delayed activation of a radio link at soft handover for high bit rate users, thus avoiding a potential handover problem;
2. Pre-allocation for quicker hard-handover;
3. Quicker channel type switching back to Cell_DCH;
4. Quicker radio link additions of radio links that recently were part of the active set;
5. Benefit from statistical multiplexing at RRM level (by reserving resources on a given cell based on HO probability laws, Busy Hour Call Attempts statistics,…);

It is expected that some/several of these optimisations can be completed before RAN#15.

References to WG's internal documentation and/or TRs:
- Latest approved version of TR 25.879: V0.3.0
- Latest version of TR 25.879 with work in progress: V0.3.1.