

## Status Report for WI to TSG

**Work Item Name:** 7.68 Mcps TDD Option

**SOURCE:** Rapporteur (Martin Beale, IPWireless)   **TSG:** RAN    **WG:** 1

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**Ref. to WI sheet:** RAN\_Work\_Items.doc

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

#### **RAN1#40bis**

Three contributions were presented in this meeting. Contributions on timing advance and frame structure were approved. Performance results were requested to support the contribution on synchronisation.

#### **RAN1#41:**

Two contributions were presented in this meeting. Contributions on spreading / burst types and services offered to higher layers were approved.

#### **RAN2#46bis and RAN2#47:**

TR 25.819 V 0.1.0 was endorsed. This identifies RAN2 specifications impacted and changes required with regard to the introduction of 7.68 Mcps TDD. Text proposals describing agreements in principle for detailed changes to 25.331, 25.321 and 25.306 were agreed for inclusion in TR 25.819 V 0.2.0.

#### **RAN3#47:**

Two documents [1,2] including text proposals for the internal RAN3 TR (R3.016), were presented and agreed (with one minor correction) at RAN3#47 (Athens). They addressed timing advance, rx timing deviation and node synchronisation, and their impacts on specifications 25.401, 25.402, 25.425, 25.427, 25.435, 25.453.

#### **RAN4#35:**

Five contributions were presented in this meeting. Three of them were text proposals on UE Transmitter Characteristics whilst the remaining two were text proposals on UE Receiver Characteristics. All text proposals were approved to be included into TR25.829. The section on UE Transmitter Characteristics is complete.

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

TR outlines for RAN1, RAN2, RAN3 and RAN4 aspects approved.  
Principles RAN2 related aspects of operation.

### **List of open issues:**

Work cannot begin on Stage 3 CRs until Release 6 is frozen.

#### **RAN1:**

- physical layer – general description
- physical channels and mapping of transport channels onto physical channels
- multiplexing and channel coding
- spreading and modulation
- physical layer procedures
- physical layer measurements
- associated change requests

#### **RAN2:**

Detailed specification of:

- RRC (including ASN.1 changes)
- MAC
- radio access capabilities
- UE procedures in idle mode
- services provided by the physical layer
- radio interface protocol architecture

**RAN3:**

- Impacts on lub / lur interfaces – general aspects
- Impacts on lub / lur control plane protocols
- impacts in lub / lur user plane protocols
- impacts on other specifications
- associated change requests

**RAN4:**

- UE radio reception aspects
- Base station radio transmission and reception aspects
- Requirement for support of radio resource management aspects
- Base station conformance testing aspects
- Electromagnetic compatibility aspects
- associated change requests

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

15%

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

RAN1: RAN#29 (Sept 2005)

RAN2: RAN#29 (Sept 2005)

RAN3: RAN#29 (Sept 2005)

RAN4: RAN#31 (March 2006)

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

[1] R3-050574, RAN3 #47, Athens, May 2005, "Text proposal for 7.68Mcps TDD TR (R3.016) on timing advance" (IPWireless)

[2] R3-050575, RAN3 #47, Athens, May 2005, "Text proposal for 7.68Mcps TDD TR (R3.016) on Node Synchronisation" (IPWireless)