

Title: Urgent work to be started by TSG RAN Working Groups in order to improve further the quality of TSG RAN specifications

Document for: Discussion and Approval
Source: TSG RAN Officials

As a result of discussion on the work performed by the different TSG RAN working groups, it is felt necessary to undertake a new task to even further clarify the TSG RAN specifications.

It is important that a new step is accomplished in the quality review of the current releases of the TSG RAN specifications. Currently most of the time in many of our working groups is dedicated to review the potential misinterpretation of the wording.

The discussions during TSG RAN#13 meeting have shown that it is of high urgency to review also the features currently in our specification and to review the inter-consistency of these features.

Therefore it is proposed that the TSG RAN working groups shall investigate and report to the TSG RAN plenary #14 the following:

- **Identify incompatible features:**

Two features are said to be conflicting when there are identified issues or even impossibility to use them simultaneously, at a cell level or for a given UE. This means that the features, taken separately, work, but the combination of these features does not. The specifications already identify some combinations explicitly, for example when a combination of two features is not supported by signalling or the physical layer frame structure. Nevertheless, certain conflicts between features do exist and are not explicitly stated in the specifications, and could lead to waste of efforts in implementations, as well as interoperability issues.

- **Identify incomplete features:**

A feature is incomplete when either the core specification or the performance requirements are not fully specified. Regarding performance specifications, it should be noticed that they may be in a different release of the specifications than the core specifications.

- **Identify the obsolete features:**

A feature is obsolete when the rationale for the incorporation of the feature in the specifications is no longer valid e.g. a functionality which has become useless or which has been superseded by another feature allowing to obtain the same functionality.

For each identified feature in the above category the working group can make a proposal to RAN#14 on the needed actions. The potential different courses of action should be of the following nature:

- A set of CRs fixing the identified issues to all relevant specifications is brought to the plenary 14 together with the description of the identified feature
- or it is proposed to RAN Plenary 14 to write the CRs for RAN 15

Corrections can be the following (not exclusive)

- Corrections are made in the release 99 specifications
 - For the case of incompatible features, an analysis is presented of how implementation can be done in order to ensure that the two incompatible features can be used separately at a time but not

simultaneously. If necessary the CRs required to allow that shall be provided. Alternatively, one of the conflicting features may be removed

- **The feature identified is removed from the relevant specifications**
- **The feature is made optional in release 99**
- **The feature is removed from release 99 but corrected in a later release.**