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Title: 3GPP TSG RAN contribution of Section 5.x.1 of IMT.RSPC
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This document contains a contribution to be submitted to the next meeting of ITU-R TG 8/1 (Helsinki, 25 October – 5 November 1999). The purposes of the attached contribution are twofolds:

- 1] clarify the structure of the input contributions developed in 3GPP TSG RAN;
- 2] Provide guidance for the drafting of section 5.x.1 relevant for the Radio Interface under development in 3GPP.

ANNEX

[3GPP MEMBER, OR ADMINISTRATION]#

COMMENTS RELEVANT FOR SECTION 5.X.1 OF IMT.RSPC

It is brought to the attention of ITU-R TG 8/1 that the overview of the TDD component of the radio Interface developed by 3GPP TSG RAN has been structured in two parts; 3GPP TDD and TD-SCDMA. 3GPP TDD is the TDD component which was originally developed within 3GPP by ARIB, ETSI, T1P1, TTA. The 3GPP TDD was designed following the goal in the standardisation process to largely harmonise with the FDD component. This was basically achieved by harmonisation of parameters of the physical layers. Based on harmonisation, protocols in the higher layers were specified which encompasses both TDD and FDD components within a common set of protocol specifications. Therefore this should be reflected in the Introduction (sections 5.x.1 of IMT.RSPC) of both the parts relevant for the Radio Interface developed by 3GPP.

TD-SCDMA is a concept originally developed in China and introduced into 3GPP by CWTS. TD-SCDMA contains a lot of significant commonalities with the 3GPP TDD, and therefore a high potential for harmonisation was identified. Within the current specifications of 3GPP, hooks were getting defined to enable release independent introduction of TD-SCDMA properties into a joint concept.

Especially the key features low chiprate, uplink synchronisation, support of beamforming techniques and baton handover are identified as important contributions.

The two independent reference sections are illustrating the current state of the independent specification processes. The ongoing harmonisation discussion results are not mature enough in October 1999, to allow for a unique CDMA TDD section, although the harmonisation is the ultimate goal of the process.

This contribution was developed in 3GPP TSG RAN.