

**Title: TDD Parameters in RNSAP and NBAP RADIO LINK
ADDITION Messages**

Source: Italtel / Siemens

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Introduction

This contribution proposes the parameters of RADIO LINK SETUP, RADIO LINK RESPONSE and RADIO LINK FAILURE messages to be included in RNSAP (TS 25.423) and NBAP (TS 25.433) specifications in order to support TDD mode operation.

The content of this contribution must be intended as a correction to Tdocs. TSGR3#6(99) 953 and TSGR3#6(99) 954.

2. RNSAP Messages Definition and Content

The following tables are proposed to be inserted in section 9.1 (Message Functional Definition and Content) of TS 25.423 as TDD messages.

RADIO LINK ADDITION REQUEST

Information Element	Reference	Type
Message type		M
Transaction ID		M
RL-ID		M
UTRAN Cell Identifier (UC-Id)		M
Primary CCPCH Ec/Io		FFS
Uplink Eb/No Target		O
Maximum Uplink Eb/No		FFS
Minimum Uplink Eb/No		FFS

RADIO LINK ADDITION RESPONSE

Information Element	Reference	Type
Message type		M
Transaction ID		M
DL DPCH Information		M
DPCH ID		M
Channelization Code Number		M
Midamble Type		M
Midamble Shift		M
Time Slot		M
Superframe Offset		O
Repetition Period		M
Repetition Length		O
TFCI Presence		O
UL DPCH Information		M
DPCH ID		M
Channelization Code Number		M
Midamble Type		M
Midamble Shift		M
Time Slot		M
Superframe Offset		O
Repetition Period		M
Repetition Length		O
TFCI Presence		O
Neighbouring cell information		O
UTRAN Cell Identifier (UC-Id)		M
CN PS Domain Identifier		O
CN CS Domain Identifier		O
Primary CCPCH Radio Resource Information		M
UARFCN		M
Primary CCPCH TX Power		FFS
Midamble Type		M
Time Slot		M
Superframe Offset		O
Repetition Period		M
Repetition Length		O

DSCH Information Response		O
DSCH TFS		M
Binding ID		M

RADIO LINK ADDITION FAILURE

Information Element	Reference	Type
Message type		M
Transaction ID		M
RL Failure Cause		M

2. NBAP Messages Definition and Content

The following tables are proposed to be inserted in section 9.1 (Message Functional Definition and Content) of TS 25.433 as TDD messages.

RADIO LINK ADDITION REQUEST

Information Element	Reference	Type
Message discriminator		M
Message type		M
Node B communication context ID		M
Transaction ID		M
RL-ID		M
Cell ID		M
DL DPCH Information		M
DPCH ID		M
Channelization Code Number		M
Midamble Type		M
Midamble Shift		M
Time Slot		M
Superframe Offset		O
Repetition Period		M
Repetition Length		O
TFCI Presence		O
UL DPCH Information		M
DPCH ID		M
Channelization Code Number		M
Midamble Type		M

Midamble Shift		M
Time Slot		M
Superframe Offset		O
Repetition Period		M
Repetition Length		O
TFCI Presence		O
Uplink Eb/No Target		O
Maximum Downlink power		O
Minimum Downlink power		O

RADIO LINK ADDITION RESPONSE

Information Element	Reference	Type
Message discriminator		M
Message type		M
CRNC Communication Context ID		M
Transaction ID		M

RADIO LINK ADDITION FAILURE

Information Element	Reference	Type
Message discriminator		M
Message type		M
CRNC Communication Context ID		M
Transaction ID		M
RL Failure Cause		M