

Agenda Item: 16.3

Source: Ericsson

Title: Proposed NBAP Procedure for Cell Configuration
Management: Cell Reconfiguration

Document for: Decision

1. INTRODUCTION

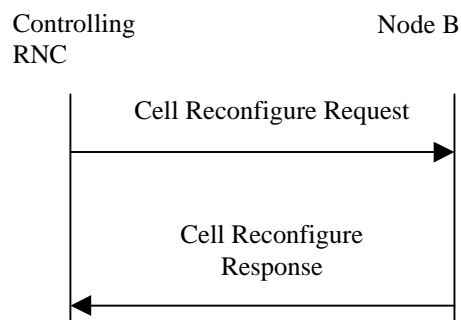
This contribution presents the NBAP procedure for reconfiguration of cell data in the Node B.

The Cell Reconfiguration procedure informs Node B what cell data should be in Node B. Node B configure it's equipment to support the request and informs the RNC about the result.

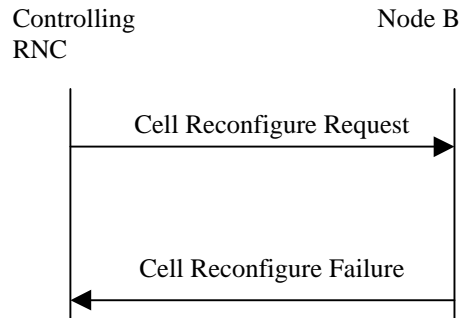
2. DESCRIPTION

2.1 *Cell Reconfiguration*

This NBAP common procedure is used by the Controlling RNC, to request Node B to change it's configuration for a cell. This procedure is initiated by CRNC.



a) Successful case



b) Unsuccessful case

The CELL RECONFIGURE REQUEST message contains the following information:

- Cell Identity
- SCH1 Power
- SCH2 Power
- Maximum Transmission Power
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The CELL RECONFIGURE RESPONSE message contains the following mandatory information:

- Cell Identity

The CELL RECONFIGURE FAILURE message contains the following mandatory information:

- Cell Identity
- Cause

2.2 **Cell Reconfigure Request**

This message is sent to inform the Node B about what cell configuration, that the RNC want Node B to change.

Information Element	Reference	Type
Message Discriminator		M
Message Type		M
Transaction ID		M
Cell ID		M
SCH1 Power		O
SCH2 Power		O
Max Transmission Power		O

2.3 **Cell Reconfigure Response**

This message is sent to inform the RNC about a successful reconfiguration in Node B.

Information Element	Reference	Type
Message Discriminator		M
Message Type		M
Transaction ID		M
Cell ID		M

2.4 Cell Reconfigure Failure

This message is sent to inform the RNC that the attempt to reconfigure the cell has failed.

Information Element	Reference	Type
Message Discriminator		M
Message Type		M
Transaction ID		M
Cell ID		M
Cause		M

2.5 SCH1 Power

SCH1 power is the power that should be used for transmitting the SCH1 in a cell.

2.6 SCH2 Power

SCH2 power is the power that should be used for transmitting the SCH2 in a cell.

2.7 Max Transmission Power

Max Transmission Power is maximum power for all channels added together, that is allowed to be used simultaneously in a cell.

3. PROPOSAL

Proposal 1

Add the contents of chapter 2.1 in this contribution in chapter 8.1.5.x Cell Reconfigure in 25.433 v1.1.1 NBAP Specification.

Proposal 2

Add the contents of chapter 2.2 in this contribution to chapter 9.1.x Cell Reconfigure Request in 25.433 v1.1.1 NBAP Specification.

Proposal 3

Add the contents of chapter 2.3 in this contribution to chapter 9.1.x+1 Cell Reconfigure Response in 25.433 v1.1.1 NBAP Specification.

Proposal 4

Add the contents of chapter 2.4 in this contribution to chapter 9.1.x+2 Cell Reconfigure Failure in 25.433 v1.1.1 NBAP Specification.

Proposal 5

Add the contents of chapter 2.5 in this contribution to chapter 9.2.x SCH1 Power in 25.433 v1.1.1 NBAP Specification.

Proposal 6

Add the contents of chapter 2.6 in this contribution to chapter 9.2.x+1 SCH2 Power in 25.433 v1.1.1 NBAP Specification.

Proposal 7

Add the contents of chapter 2.7 in this contribution to chapter 9.2.x+2 Max Transmission Power in 25.433 v1.1.1 NBAP Specification.

4. REFERENCES

- [1] TS 25.433 V1.1.1 - NBAP Specification