

Agenda Item: 16.3
Source: Nortel Networks
Title: NBAP procedures for Cell management
Document for:

1 Introduction

This contribution presents :

- New NBAP procedure for cell availability indication :
 - Cell Availability

2 Description

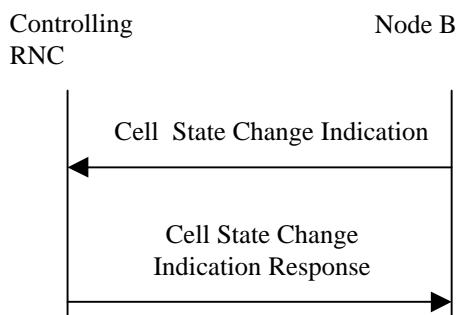
2.1.1 Cell Availability

2.1.1.1 Cell State Change Procedure

This NBAP common procedure is used by the Node B to inform the RNC of the availability or not of a cell. This procedure is initiated by the Node B on each state change of a Cell, using Node B Control Port.

For this procedure to be executed successfully the following is needed :

- A Node B control port is available for communication between the RNC and the Node B
- Node B equipment has previously been defined and configured
- The cell has been successfully provisioned



The CELL STATE CHANGE INDICATION message contains the following mandatory information:

- Cell ID
- Cell operationalState
- Cell availabilityStatus

Cell operationalState and availabilityStatus parameters are compliant with TMN states defined in [R2] .

CELL STATE CHANGE INDICATION RESPONSE message standard mandatory information:

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2.1.1.2 Cell State Change Indication

This message is sent to inform the RNC about the Cell state change.

Information Element	Reference	Type
Message Type		M
Transaction ID		M
Cell ID		M
OperationalState		M
AvailabilityStatus		M

2.1.1.3 Cell Channel State Change Indication Response

This message is sent to inform the Node B that the new state of the Cell that has been taken into account by the RNC.

Information Element	Reference	Type
Message Type		M
Transaction ID		M

3 Proposal

- Add Sections 2.1.1.1 of this contribution to section 8.1 of [R1]
- Add Sections 2.1.1.2 and 2.1.1.3 of this contribution to section 9.1 of [R1]

4 Reference

- [R1] : TS 25.433 – V.1.1.1
- [R2] : CCITT Rec. X.731: Information technology - open systems interconnection – system management: state management function