Agenda Item: **16.4**

Source: **Vodafone**

Title: **NBAP : Node B Resource Notification**

Document for: **Approval**

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1   Introduction

This document proposes a message content for the NBAP message **Node B Resource Notification**.

2   Node B Resource Notification

This message is sent from Node B to CRNC to notify the CRNC of the high level resource capabilities supported by Node B.

Information Element	Reference	Type
Message Discriminator		M
Message Type		M
Local Cell ID (1)		**M**
Add/Delete Indicator (2)		O
Resource Operational State (3)		M
Cell Carrier Capacity (4)		**M**
Cell Carrier ID (s) (5)		**M**
Add/Delete Indicator (1)		O
Resource Operational State (3)		M
Number Channel Elements (6)		M
Maximum DL transmit power (7)		M
Transaction ID		M

(1) The Local Cell ID shall be as defined in chapter 3 below.
(2) The add/delete indicator shall be as defined chapter 4 below.
(3) The Resource Operational State shall be as defined in chapter 5 below.
(4) Cell carrier capacity shall be as defined in chapter 6 below.
(5) The cell carrier ID shall be as defined in chapter 7 below.
(6) The number of channel elements shall be as defined in chapter 8 below.
(7) The maximum DL transmit power shall be as defined in chapter 9 below.

3   Local Cell ID

The local cell ID represents a unique identifier assigned to the cell resource for configuration and management purposes.

4   Add/Delete Indicator

The add/delete indicator shall notify the RNC whether the associated resource has been added to or removed from the Node B. This IE is optional and shall not be included if the message is sent to indicate an operational state change in the resources only.

5   Resource Operational State

The resource operational state is used to indicate the current operational state of the associated resource following a Node B failure or management procedure. In accordance with [1], the resource operational state can have the following values:

1. Enabled
2. Disabled

6   Cell Carrier Capacity

The cell carrier capacity shall indicate to the RNC the high level resources supported at Node B and their operational state.

7   Cell Carrier ID

The cell carrier ID represents a unique identifier assigned to each carrier supported within a cell.

8   Number Channel Elements

The number of channel elements is used to indicate to the RNC the maximum number of simultaneous user channels supported by a carrier. The exact definition of a channel element is FFS.

9   Maximum DL Transmit Power

This parameter indicates the maximum DL transmit power capability for a specific carrier within Node B.

10   References

[1]   CCITT Recommendation X.731 Information Technology – Open Systems Interconnection – Systems Management: State Management function (01/92)