Agenda Item:	**15.3**
Source:	**Siemens / Italtel**
Title:	**NBAP : Proposed changes to Node B Resource Notification**
Document for:	**Approval**

1   Introduction

In this document the following modifications are proposed concerning the message content for the NBAP message **Node B Resource Notification**:

- The Resource Operational State within the Node B Resource Notification message can be removed, since it is assumed that all resources have a default value after creation. In case of deviations from the default value the actual state shall be reported by means of Resource Status Indication.
- Since this message shall not be used to indicate an operational state change but the adding/deletion of resource capabilities, the Add/Delete Indicator should become mandatory. For State Change notifications, the Node B Resource Status Indication shall be used.
- Indicate if Node B resource capabilities support FDD - or TDD operational mode. This information may be necessary in case the Node B operates in dual mode.

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		**M**
Add/Delete Indicator		~~O~~M
~~Resource Operational State~~		~~M~~
Number Channel Elements FFS		M
Maximum DL power capability		M
FDD / TDD Mode		M
Transaction ID		M

3   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.~~

4   FDD / TDD Mode

The FDD / TDD Mode indicates the operational mode supported by Node B.

5   Proposal

The following changes to 25.433 (NBAP Specification) are proposed:

1. Replace the content of chapter 9.1.31 in 25.433 with the information in chapter 2.
2. Modify the content of chapter 9.2.1.36 in 25.433 with the information in chapter 3.
3. Insert chapter 4 as section 9.2.1.x of 25.433

6   References

[1]   TS 25.433 V1.2.0 – NBAP Specification