

Agenda Item: 15.3
Source: GSM Association VPT, Mannesmann Mobilfunk, T-Mobil, Vodafone
Title: NBAP : Block Resource Request Message
Document for: Approval

1 Introduction

This document proposes a message content for the NBAP message **Block Resource Request**.

2 Block Resource Request

This message is sent from Node B to CRNC to request the blocking of a resource supported in Node B at the RNC.

Information Element	Reference	Type
Message Discriminator		M
Message Type		M
Cell ID		C ¹
Communication Control Port ID		O
BCH ID		O
PCH ID		O
FACH ID		O
RACH ID		O
DSCH ID		O
USCH ID		O
Priority Indicator (1)		M
Shutdown Timer (2)		C ²
Transaction ID		M

C1 The information element is present when Node B supports multiple cell ID's.

C2 The information element is present when the priority indicator requests a class 3 or class 4 shutdown.

(1) The priority indicator shall be as defined in chapter 3 below.

(2) The shutdown timer shall be as defined in chapter 4 below.

3 Priority Indicator

The priority indicator is used to identify the immediacy with which the associated function shall be performed. It is used to enable graceful shutdown of resources where operations impact on these resources.

The following priority classes shall be supported in the priority indicator.

Class 1 – Immediate: Resource already removed (message represents notification only)

Class 2 – High: High priority shutdown required (terminate resource immediately)

Class 3 – Normal: Standard priority shutdown required (attempt graceful resource termination)

Class 4 – Low: Low priority shutdown required (terminate resource when idle)

4 Shutdown Timer

Where a class 3 or class 4 shutdown has been requested, the shutdown timer shall indicate the length of time available to the RNC to perform the shutdown of the resource. The range of the shutdown timer is ffs.

5 Proposal

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

1. Chapter 2 shall be inserted as section 9.1.x of 25.433.
2. Chapter 3 shall be inserted as section 9.2.x of 25.433.
3. Chapter 4 shall be inserted as section 9.2.x of 25.433.

In addition, the following note shall be added to section 8.1.2.1 of 25.433.

NOTE: If a resource is requested to be blocked using the above procedure, its child resources are also implicitly requested to be blocked.