Agenda Item: 16.4

Source: Motorola

Title: Node B Restarted / RNC Restarted message contents

Document for: Decision

1 Introduction

This paper presents message contents for the messages involved in the Node B Restarted and RNC Restarted procedures.

2 Discussion

The procedures for Node B Restarted and RNC Restarted can be found in [1] section 8.1.2.2 and section 8.1.2.3, respectively. The following sections detail the contents of the messages used in each of these procedures.

2.1 Node B Restart Indication

This message is sent from the Node B to the RNC in order to inform the RNC that a Node B restart is about to occur.

Information Element	Reference	Type
Message Discriminator		M
Message Type		M
Network Element (Node B) ID		FFS
Node B Restart Cause		M
Transaction ID		FFS

2.1.1 Network Element ID

This element uniquely identifies a Node B or the RNC within the RNS.

2.1.2 Node B Restart Cause

The Node B restart cause value identifies the reason why the Node B performs a restart. Possible values include software upgrade induced outage, hardware fault, software fault, O&M initiated outage, and unknown reason.

2.2 RNC Restart Indication

This message is sent from the RNC to the Node B to indicate that a RNC restart is about to occur.

Information Element	Reference	Type
Message Discriminator		M
Message Type		M
RNC Service Impact Level		FFS
Transaction ID		FFS

2.3 RNC Restart Completion Indication

This message is sent from the RNC to the Node B to indicate that a RNC restart has completed.

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

3 Proposal

The following changes to TS 25.433 are proposed –

1. Include a new section 9.1.x – NODE B RESTART INDICATION with the contents of Section 2.1 (Node B Restart Indication)

2. Include a new section 9.2.x – Network Element ID with the contents of Section 2.1.1

3. Include a new section 9.2.y – Node B Restart Cause with the contents of Section 2.1.2

4. Include a new section 9.1.y – RNC RESTART INDICATION with the contents of Section 2.2 (RNC Restart Indication)

5. Include a new section 9.1.z – RNC RESTART COMPLETION INDICATION with the contents of Section 2.3 (RNC Restart Completion Indication)

4 References

[1] 3GPP TS 25.433 - NBAP Specification v1.1.1