TSG-RAN Working Group 3 meeting #2   **TSGW3#2(99)156**
Nynäshamn, Sweden, 15th - 19th March 1999

Agenda Item: 8

Source: Vodafone

Title: Proposed Document Structure for Node B O&M Logical
                     Model

Document for: Decision

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As a result of the TSG-RAN-WG3 O&M Ad Hoc in Milan on 22/2/1999, an output document was produced recommending a clear scope for the O&M standardisation work on the Iub interface (Document TSGW3#2(99)153). This output document proposed that the first stage of the Iub O&M work item should be the definition of a logical model for Node B O&M. It was recommended that the definition of this O&M logical model should be performed within TSG-RAN-WG3.

The following proposal outlines a skeleton document for the Node B O&M logical Model work. It relies on the work performed in SMG6-UMTS as a baseline. It is anticipated that this document should be a temporary working document, it's purpose being to assist in the subsequent stages of the Iub O&M work item (as described in document TSGW3#2(99)153).

TITLE: **Node B O&M Logical Model**
VERSION: **1**

1. Introduction

[PROPOSED TEXT:] This document provides an O&M logical model for the Node B Radio Site. Its main purpose is to serve as a source of reference for the Iub O&M work item. For this reason the document may contain information or working assumptions which are not a direct part of the aforementioned work item, but are essential to the progress and informed decision making. Where information or working assumptions are outside the scope of TSG-RAN-WG3, this shall be indicated.

To this end the document provides the current working assumption for Node B management architecture, together with detailed descriptions of the O&M functions performed at Node B. This enables the actual Node B O&M functions to be mapped to the management architecture such that the required standardisation on the Iub interface can be performed.

2. Node B O&M Management Architecture

[This section should present the chosen architecture for Node B O&M management (e.g. as proposed in document TSGW3#2(99)153) , including a rationale for the chosen architecture.
Definitions of any terms introduced or categories of O&M identified should be given i.e. Logical O&M, Implementation Specific O&M, and clear indication should be given where concepts or interfaces are out of scope for TSG-RAN-WG3.]

3. O&M Logical Model

[This section should include a diagram and/or text description of the O&M logical model for Node B. This should provide a comprehensive list of the O&M functions required at the Node B Radio Site.]

4. Functional Descriptions

[This section should incorporate detailed descriptions of the functions identified in the logical model. The information provided should include the entities involved in the execution of the functions, and impact of the functions on the traffic handling ability of Node B. This information will be used to ensure a full understanding of each O&M function is achieved, such that the correct assignment to either Logical O&M or Implementation Specific O&M.]

5. Logical O&M Functions

[This section should identify the O&M functions identified in the logical model which are categorised as Logical O&M The reasons for assigning each function to this category should be provided.]

6. Implementation Specific O&M Functions

[This section should identify the O&M functions in the logical model which are categorised as Implementation Specific O&M. The reasons for assigning each function to this category should be provided..]

8. Signalling Procedures

[This section should define (where possible) the signalling procedures for the functions identified in the logical model. It is not envisaged it will be possible to define signalling procedures for all Node B O&M functions, since some will be implementation specific. These procedures may be required for certain functions to assist in the categorisation as either Logical O&M or Implementation Specific O&M.]

9. History

Document history		
Date	**Version**	**Comment**
9 March 1999	1	Proposed Document Structure
Editor:		