NOKIA

DX 200

BSC3i S10.5

Guide to BSC and TCSM2 Site Documents

Site Documents

BSC3018_P

Contents

Summary of changes

Changes between document issues are cumulative. Therefore, the latest document issue contains all changes made to previous issues.

Changes between issues 3-1 and 3-0

Structure changed to NOM standard; printing errors corrected.

Changes between issues 3-0 and 2-0

Information on documents Installing the NEBS Upgrade Kit in BSC2(i) and TCSM2 and Intracabinet cables list (BSC3i) added. Minor updates for S10.5 release information added.

Changes between issues 1-0 and 2-0

Document converted to SGML. Document identifier changed to DN01100758 from CAN100655.

Changes between issues 1-0

First approved issue.

1 Introduction

The purpose of this document is to give a short introduction to the BSC and TCSM2 Site Documents. For the current release (S10.5) three document sets are available:

- Site Documents for BSC2i, Upgrade from BSC2 to BSC2i and Upgrade from BSC to BSCi (S10.5)
- Site Documents for BSC3i (S10.5)
- Site Documents for Transcoder TCSM2E, TCSM2A and TCSM2A-C (S10.5)

1.1 BSC and TCSM2 documents

All the BSC (BSCi, BSC2i and BSC3i) and TCSM2 network elements have fixed locations for functional units in the cabinets. Similarly, the cabinets have fixed positions in the equipment row although alternative configurations (BSCi ans BSC2i) can also exist. Fixed positions for functional units and cabinets make it possible to use standard documents. In practice this means that the documents present the maximum configuration.

The documents and their usage are briefly introduced in Chapter 3. The document identification number is given for all documents.

1.2 Document identifications and issues

Each document has a document identification and issue number (DN-number). Earlier the documents were identified with the C-numbers, but currently the issues of the *Site Documents* binder use DN-numbers as document identifiers.

When updates are made to a document, the issue number is increased. The latest issue contains also changes made to previous issues. For example, when using the latest issue of a document, it is possible to use it for a network element that was delivered a month or two years ago. This is one of the advantages of standard documentation. The latest versions of the documents are listed in a separate document, see Section 2.2.

2 How to start

The purpose of the following chapters is to give a short introduction to the BSC and TCSM2 site documents.

2.1 Where to find the document library

Paper copies in the blue plastic folders of the site documents are part of the delivery. Please note that the updated customer documentation is a separately purchased sales item and therefore not automatically part of the delivery.

Nokia Online Services, NOLS

The BSC and TCSM2 Site Documents are available for those customers who have purchased the service through the Nokia extranet at the Nokia Online Services, NOLS, pages.

Nokia Online Services is an e-business concept to complement conventional customer service offerings. You can review products, place orders for certain products, and get immediate answers to a wide range of technical questions by having a secured online access to more confidential Nokia product and system information.

2.2 Document list

Each document set has its own *Document list* which contains information on the identifier(s) and the latest issue of each site document in the binder. Every time the site documents are updated, this list of contents is updated too. Prior to starting any work on the exchange, we recommend that the site documents be checked against the list of contents. This way you can make sure that you have the latest available issue of all the documents.

3 Site documents

3.1 Hardware revisions list

The *Hardware revisions list*lists all the hardware products which can be used. The list shows the name of the product, interchangeability code and ID number (C- or P-number). The latest issue of the document is available through the Nokia Online Services, NOLS.

3.2 Installation site requirements

The *Installation site requirements* document provides information on all site planning issues taking into account the requirements set by the network element/network element family for the installation site. Such issues are floor planning, power supply (AC and DC), environmental conditions, ventilation, layout for installation room, lighting, equipment weight, and cabling.

3.3 Commissioning

The *Commsissoning* document and the related commissioning check list is delivered in the *Site Documents* binder though it is also available elsewhere. The *Commissioning check list* is a separate document in the TCSM2 documentation. The commissioning document gives instructions for testing and setting up the delivered network element at the customer site.

3.4 Use of PCM circuits (BSC)

The document *Use of PCM circuits, BSC* provides a list of all PCM (2 Mbit/s) circuits from the Group Switch towards various functional units in the cabinets.

3.5 Equipment list

The *Equipment list* provide information of all hardware products installed in the racks/cabinets of the BSC and TCSM2. The Equipment lists include information on the positions of plug-in units, cartridges, connectors and terminators in the BSCC (BSC3i), BCBE and BCEE (BSC) and TC2E (TCSM2) racks.

Note

This document does not offer any delivery specific information.

3.6 Interconnection cables list

The *Interconnection cables* document lists all cables of the BSCi, BSC2i and TCSM2. This includes intercabinet cables between cabinets and intracabinet cables for each cabinet type. It gives instructions on where to install the intercabinet cables. The intracabinet cables part of this document is used mainly for checking purposes since the intracabinet cables are installed at the factory.

Note

This manual is always needed when working on the exchange.

3.7 Intracabinet cables list (BSC3i)

This document lists all the intracabinet cables for BSCC cabinet used in the BSC3i applications. This document is used mainly for checking purposes since intracabinet cables are installed at the factory.

3.8 Jumper setting instructions for the plug-in units

This document provides the basic information needed for setting the various jumpers of the plug-in units in the BSC and TCSM2 applications.

3.9 Jumper setting instructions for the cartridges

This document provides the basic information needed for setting the various jumper settings (strappings) of the cartridges in the BSC and TCSM2 applications.

3.10 Installing the BSC and TCSM2 / BSC3i

This document gives information on how to prepare for and carry out the actual rack/cabinet and cartridge installation. Also grounding and power supply issues are covered in this manual.

3.11 Installation work check list

The purpose of this document is to provide a check list of the installation phases of the BSC and TCSM2. A *Certificate of Completion* is enclosed in this document too.

3.12 Grounding (earthing) principles for PCM trunk circuit cables

This document describes the grounding principles for the PCM trunk cables when connected to the DX 200 network elements in the E1 (ETSI) environment.

3.13 Grounding (earthing) principles for the BSC and TCSM2

This document describes the recommended ways to connect (ground) the racks (BSCi, BSC2i and TCSM2) to the ground bar of the site. The grounding principles of the DX 200 station are described in the *BSC2/TCSM2 Engineering Descriptions* manual.

3.14 Installing the NEBS Upgrade Kit in BSC2(i) and TCSM2

This document describes how to install the NEBS upgrade kit (fire protection sets, new doors DS196E and DS198E, ESD stickers, and fastening rails) into M92 mechanics; BSC2, BSC2i and TCSM2 network elements.