



Network Operations System

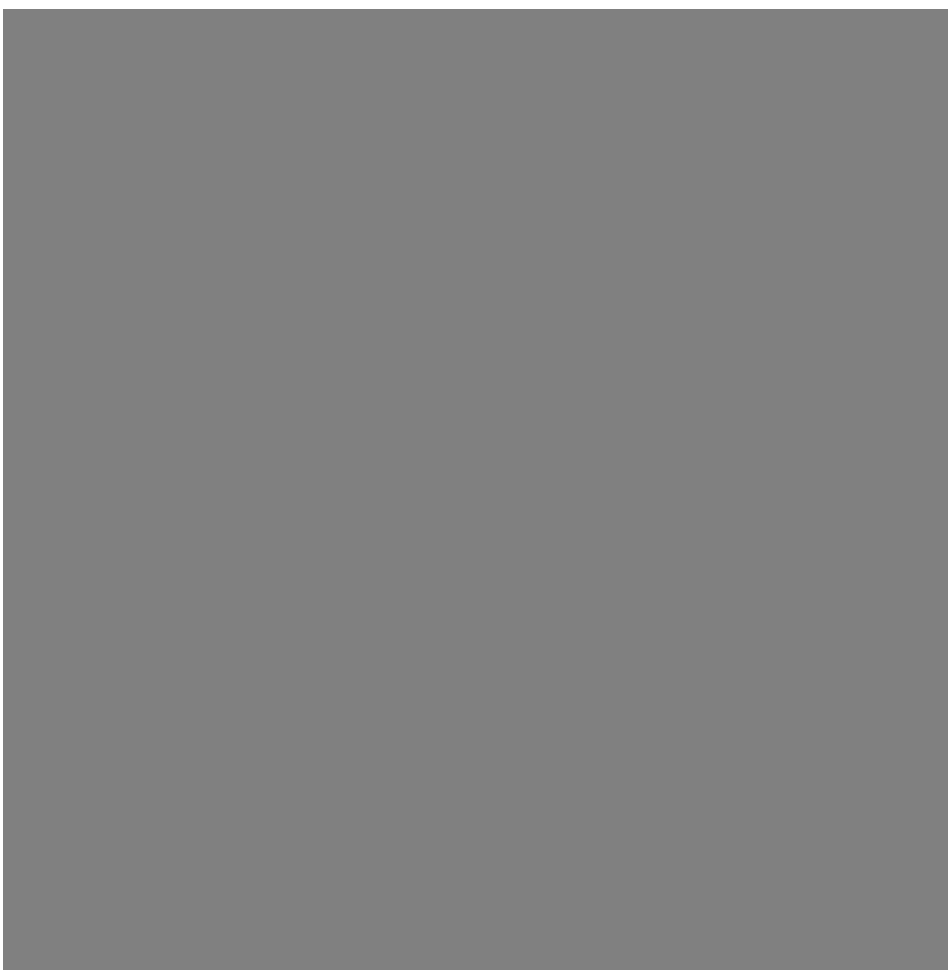
TOPS

Voice service node

Index of publications

Release BCS30

Status: Standard



Network operations system

TOPS Voice service node

Index of publications

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1. Introduction

Overview

This publication records the traffic operating position system (TOPS) voice service node (VSN) publications and the associated dynamic network controller (DNC) publications.

Publication identifying information

The cover of each publication contains a number of key identification elements. These are from top to bottom, the publication number, issue date, vintage, rating and title.

Publication number

The publication numbers are in the general form xxx-yyyy-zzz, where:

- (a) The division number (xxx-) identifies the system. TOPS VSN uses the following numeric identifier for its division:
 - 450- which denotes Network Operations System (NOS)
- (b) The layer number (-yyyy-) identifies the type of equipment or application. TOPS VSN uses the following numeric identifiers for its layers:
 - -1011- which denotes DNC hardware and base software
 - -1301- which denotes application software for TOPS VSN
- (c) The key number (zzz-) identifies the type of information found in Northern Telecom Publications (NTPs):
 - -100 series contains descriptive information
 - -200 series contains installation information
 - -300 series contains operating information
 - -500 series contains maintenance and fault-clearing information

Issue Date

The issue date specifies when the informational content of the publication was finalized. The format is year-month-day.

Vintage

The vintage code is supplied with software related publications. The code has two parts consisting of two numbers each:

- first two digits denote the software release number to which the publication applies

- last two digits denote the sequential release number of the publication within the release

Rating

There are three stages in the NTP writing process. The rating identifies the most recently completed stage. A publication starts as a draft (which is distributed within NT for comment and review), proceeds to preliminary (which is distributed to test and verification groups for comment and review) and finishes as standard (which is distributed to NT customers for general use).

Title

The title has three parts, the division title, the layer title and the key title, like its numeric counterpart, the publication number. The division title appears first. The layer title which specifies the product name appears next, and is followed by the key title which identifies the content of the publication in question.

2. Listing of publications

Table 2-A provides a list of application software publications that are used in the TOPS VSN system.

Table 2-A
TOPS VSN publications

NTP Number	Vintage	Rating	Title
450-1301-001	BCS 30-01	Standard	<i>TOPS VSN Index of publications:</i> This publication lists the TOPS VSN publications.
450-1301-101	BCS 30-03	Standard	<i>TOPS VSN Features description:</i> This publication describes the TOPS VSN features and the call processing flow of the system.
450-1301-110	BCS 30-03	Standard	<i>TOPS VSN Operational measurements:</i> This publication describes the operational measurements that are used by the TOPS VSN system.
450-1301-310	BCS 30-05	Standard	<i>TOPS VSN System administration and maintenance operating procedures:</i> This publication describes the man-machine interface procedures that are used in the basic operation and maintenance of the TOPS VSN system.
450-1301-454	BCS 30-03	Standard	<i>TOPS VSN Customer forms:</i> This publication describes the forms that are used to record the TOPS VSN datafill information provided by the operating company.
450-1301-511	BCS 30-03	Standard	<i>TOPS VSN Log and alarm messages:</i> This publication lists the log and alarm messages that are produced by the TOPS VSN software.

4 2 Listing of publications

Table 2-B provides a list of DNC base publications that are used in the TOPS VSN system. Some of the vintage numbers that are shown span several releases. When this applies the vintage is expressed as two software release number as separated by a slash. All software releases, beginning with the oldest (the first number) and ending with the newest (the second number), may use the publication.

**Table 2-B
DNC base publications**

NTP Number	Vintage	Rating	Title
450-1011-019	NSR26/28	Standard	<i>A Guide to Service Priority Classification Codes.</i> This publication explains how NT classifies problems reported by customers and the service objectives associated with each classification type.
450-1011-100	NSR28	Standard	<i>DNC-50, -100, -500 General Description.</i> This publication serves as an introduction to DNC-based systems using Network Operations Protocol (NOP). It identifies system specifications and provides an overview of system hardware, software, and applications.
450-1011-151	NSR28	Standard	<i>DNC-50, -100, -500 Provisioning Guide.</i> This publication provides detailed descriptions of the hardware used in the a DNC-based system. Hardware ordering codes are specified. Provisioning rules and calculations for configuring DNC systems are also given.
450-1011-152	NSR24/28	Standard	<i>DNC-50, -100, -500 Site Records.</i> This publication provides worksheets and instructions for planning the configuration of a DNC-based system. It also holds worksheets that are completed using other documents, as a means of centralizing the site records.
450-1011-200	NSR26/28	Standard	<i>DNC-50, -100, -500 Installation Planning Guide.</i> This publication provides instructions used to prepare for the arrival of a DNC-based system. It specifies building wiring and other requirements needed to interface with the operating company switching center.
450-1011-201	NSR27/28	Standard	<i>DNC-50, -100, -500 Installation Guide for Cabinet System.</i> This publication provides detailed installation procedures for the following: DNC cabinets (set-up and alignment), shared resource units (SRUs), and peripherals such as the local area network (LAN) interface units (LIUs), the MERIDIAN [®] M4000-series terminals, the VT100 [®] -type terminals, printers, and magnetic tape units. It does not provide software loading information.

-continued-

* MERIDIAN is a trademark of Northern Telecom.
* VT100 is a trademark of Digital Equipment Corporation.

Table 2-B
DNC base publications (continued)

NTP Number	Vintage	Rating	Title
450-1011-301	NSR28	Standard	<p><i>DNC-50, -100, -500 A Guide to System Administrative Services.</i> This publication provides operation, administration, and maintenance instructions for DNC-based systems. It includes instructions for configuring the DNC hardware and software, and running maintenance diagnostics for the configured components. This publication also provides configuration instructions for such features as User Access and Security, File Processor Administration, Printer Administration, DataNet, IBM* 3274 Emulation, IBM 3780 Remote File Transfer, Logs, Alarms, and Save and Restore.</p>
450-1011-302	NSR28	Standard	<p><i>DNC-50, -100, -500 A Guide to DNC Base Software Installation.</i> This publication describes how to install base software on a DNC-based system.</p>
450-1011-501	NSR27/28	Standard	<p><i>DNC-50, -100, -500 Maintenance and Trouble-Shooting Guide.</i> This publication describes how to perform routine maintenance of DNC-based systems. It also gives trouble-shooting procedures and cabinet sub-assembly replacement information.</p>
450-1011-505	NSR24/28	Standard	<p><i>A Guide to Extended Diagnostics.</i> This publication describes how to run extended diagnostic tests available for select hardware components. Explanations of the error codes are also provided.</p>

* IBM is a trademark of International Business Machines Corporation.

3. Abbreviations

BCS	Batch Change Supplement
DNC	Dynamic Network Controller
IBM	International Business Machines
LAN	Local Access Network
NOP	Network Operations Protocol
NOS	Network Operations System
NSR	Network Software Release
NT	Northern Telecom
NTP	Northern Telecom Practice
TOPS	Traffic Operating Position System
VSN	Voice Service Node
SRU	Shared Resource Unit

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