

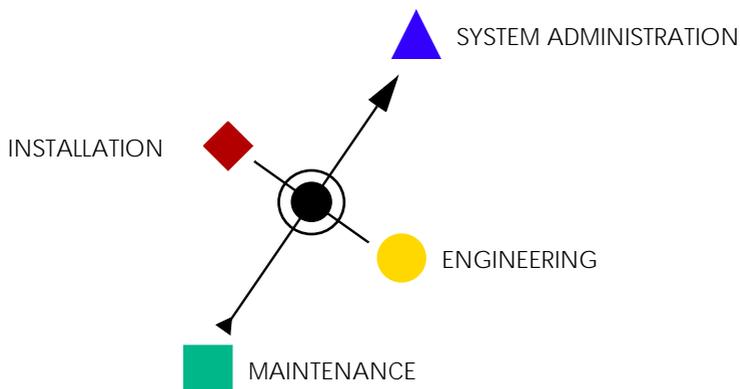
LIBRARY NAVIGATOR

Meridian 1

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REVISION HISTORY

October 31, 1993

Standard, release 9.0. This represents a complete rewrite of, and replaces, the former *Master index of publications* (553-3001-000).

April 1, 1994

Standard, release 10.0. Updates are included for the option 61C.

December 1994

Standard, release 11.0. This represents a complete update and redesign of the Library navigator, including X11 release 20 changes and information previously contained in the *Master index of publications* (553-3001-000) and the *Binding specification* (553-3001-290).

December 1994

Standard, release 12.0. Reissued for technical content.

September 1995

Standard, release 13.0. Reissued for technical content.

December 1995

Standard, release 14.0. Reissued for changes in the binding of the suite.

August 1996

Standard, release 15.00. Up-issued for changes in the content of the suite.

October 1997

Standard, release 16.00. Up-issued for changes in the content of the suite.

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ABOUT THIS PUBLICATION

Northern Telecom produces libraries of publications called NTPs (Northern Telecom Publications) that describe NT products and services. This publication provides an overview of the Meridian 1 (North American) library and explains its use.

Users who are *familiar* with the Meridian 1 library and want to locate a specific publication by number should refer to “Library index” on page 43.

Users who are *not familiar* with the Meridian 1 library and want to find out about its organization and content should refer to the other sections.

What’s new in this software release

summarizes the library changes found in X11 release 23.

Library organization

describes the components and organization of the library.

Library task maps

identifies those publications containing information specifically related to engineering, installation, administration, and maintenance tasks.

NTP summaries

describes the NTPs included in the library and identifies the primary audience(s) for each.

Library index

formerly called the *Master index of publications*, contains the following lists:

- System-to-manual cross-reference
- System-to-release cross-reference
- New NTPs
- NTP-to-manual cross-reference
- Manual-to-NTP cross-reference
- Stand-alone NTPs
- Spiral-bound guides
- User guide/reference guide list
- Retired NTP list

WHAT'S NEW IN THIS SOFTWARE RELEASE

This section provides a summary of library changes between X11 release 22 and X11 release 23. Examples of library changes include:

- expanding an NTP into an additional manual
- consolidating two NTPs into one
- providing a new NTP
- offering a major revision of an existing NTP

X11 RELEASE 22 TO X11 RELEASE 23

- 1** The document release numbers of many NTPs in the reference library have been upissued
- 2** A new part number (P0...) has been assigned to each of the following manuals (or manual sets) in the library:
 - Library navigator
 - System planning and engineering guide
 - System installation and maintenance guide
 - System and software upgrade guide
 - Remote service products (formerly Remote Peripheral Equipment)
 - X11 software features guide
 - X11 system management overview, applications, and security
 - X11 input/output guide
 - X11 data features
 - X11 hospitality features
 - Networking features
 - ISDN Basic Rate Interface
 - Automatic Call Distribution reference guide.
- 3** An new assembly order code (A0673657) has been assigned to allow convenient ordering of the entire set of hardware and software manuals that comprise the reference library.

- 4** The following spiral-bound guides have been updated:
- Software conversion procedures
 - Feature document, X11 release 23
 - System installation and maintenance
 - X11 system messages
 - X11 maintenance programs
 - X11 administration programs
 - Switch settings, card and product compatibility
- 5** The following NTPs have been added:
- Meridian Integrated Conference Bridge (MICB) Description, installation, administration, and maintenance
 - Meridian Integrated RAN (MIRAN) Description, installation, and operation
 - Emergency Services Access (ESA)

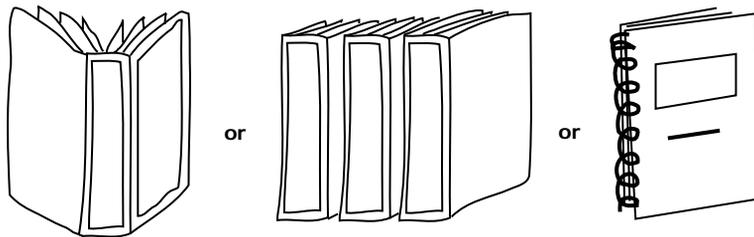
LIBRARY ORGANIZATION

This section describes the components of the Northern Telecom Meridian 1 library and lists the manuals that make up the library.

LIBRARY COMPONENTS

The library contains the following components.

FIGURE 1
MERIDIAN 1 LIBRARY COMPONENTS



a manual (POXXXXXX)

Library

The set of Northern Telecom Publications (NTPs) for a particular system, such as the Meridian 1 library.

Manual

A book that contains hard-copy technical reference document(s) intended for NT customers. A manual is one of the following:

- *Perfect-bound book.* A group of related NTPs. It is identified by a P0 number.
- *Spiral-bound guide.* An NTP that is spiral-bound and identified by a P0 number.

A manual is identified by a P0 number; an NTP is identified by an NTP number.

PO number

Identifies a publication that is separately orderable. The PO number has this format:

POXXXXXX = unique publication order number

For example, P0842658 is the PO number of the Meridian 1 System installation and maintenance guide. Refer to “Meridian 1 manuals” on page 10 for a listing of all the Meridian 1 PO numbers.

PO numbers change with each product or library release. However, if you use an order code from a previous release, Nortel sends you the most current version of the publication.

NTP number

Identifies a unique NTP. The NTP number has this format:

AAA-BBBB-CCC

AAA = the product or division. For example, 553 identifies Meridian 1 NTPs.

BBBB = a family of related NTPs. For example, 2671 identifies Automatic Call Distribution (ACD) NTPs.

CCC = the major content of the NTP. For example, 110 identifies a product description NTP.

MERIDIAN 1 MANUALS

The Meridian 1 library is organized by task into manuals:

- Library navigator P0868057 (1 manual)
- System planning and engineering guide P0868058 (4 manuals)
- System installation and maintenance guide P0868059 (3 manuals)
- System and software upgrade guide P0868060 (5 manuals)
- Remote service products P0868061 (1 manual)
- X11 software features guide P0868062 (3 manuals)
- X11 system management overview, applications, security, and Emergency Services Access P0868064 (1 manual)
- X11 input/output guide P0868065 (4 manuals)
- X11 data features P0868066 (1 manual)
- X11 hospitality features P0868067 (1 manual)
- Networking features P0868068 (3 manuals)
- ISDN Basic Rate Interface P0868069 (1 manual)
- Automatic Call Distribution reference guide P0868071 (1 manual)

LIBRARY TASK MAPS

For a general introduction to the Meridian 1 system, please see *Meridian 1 system overview* (553-3001-100).

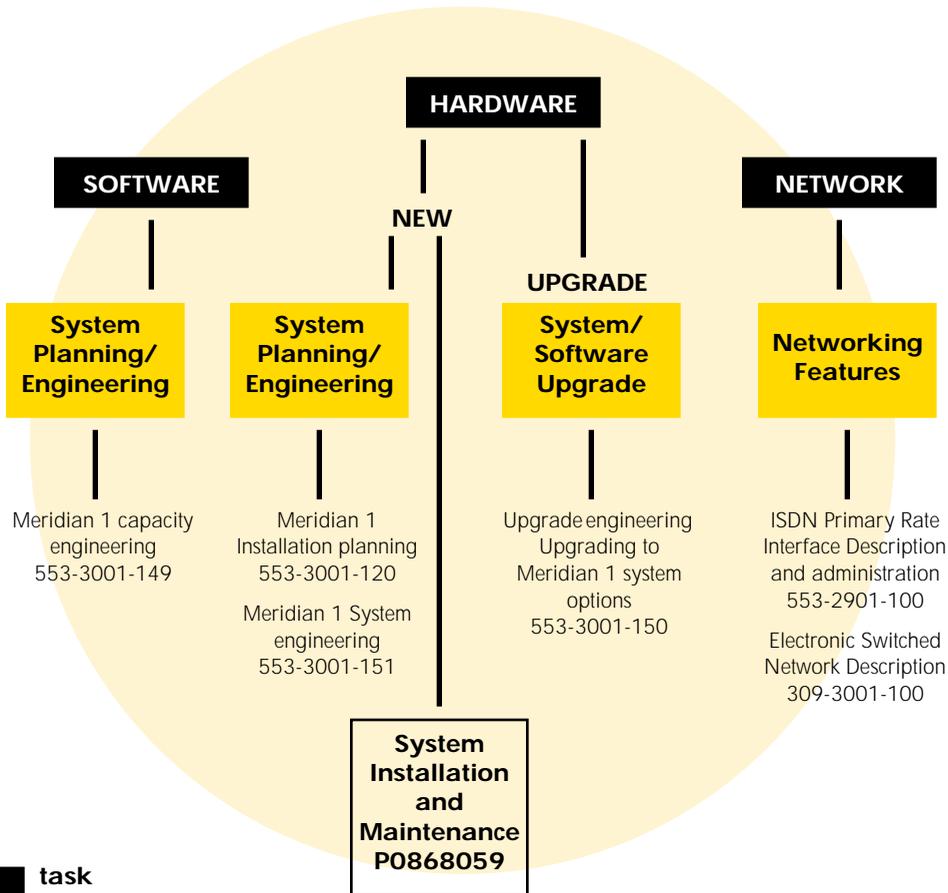
The maps on the following pages help new users locate primary NTPs containing information related to these tasks:

- Engineering
- Installation
- Administration
- Maintenance

In addition, these NTPs are a useful resource for personnel employed by Northern Telecom and its distributors who provide training, technical support, and sales information.

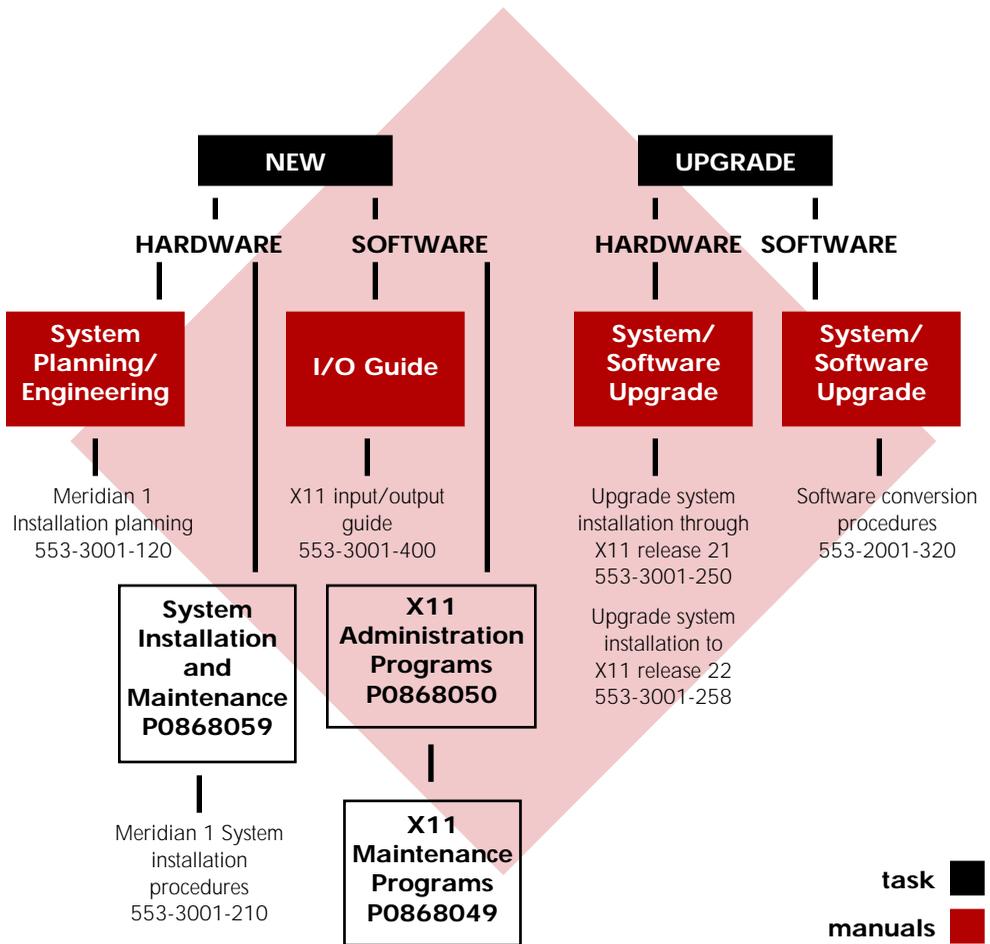
Not all Meridian 1 NTPs are shown in the maps. For a detailed summary of all Meridian 1 NTPs, refer to “NTP Summaries” on page 17.

ENGINEERING

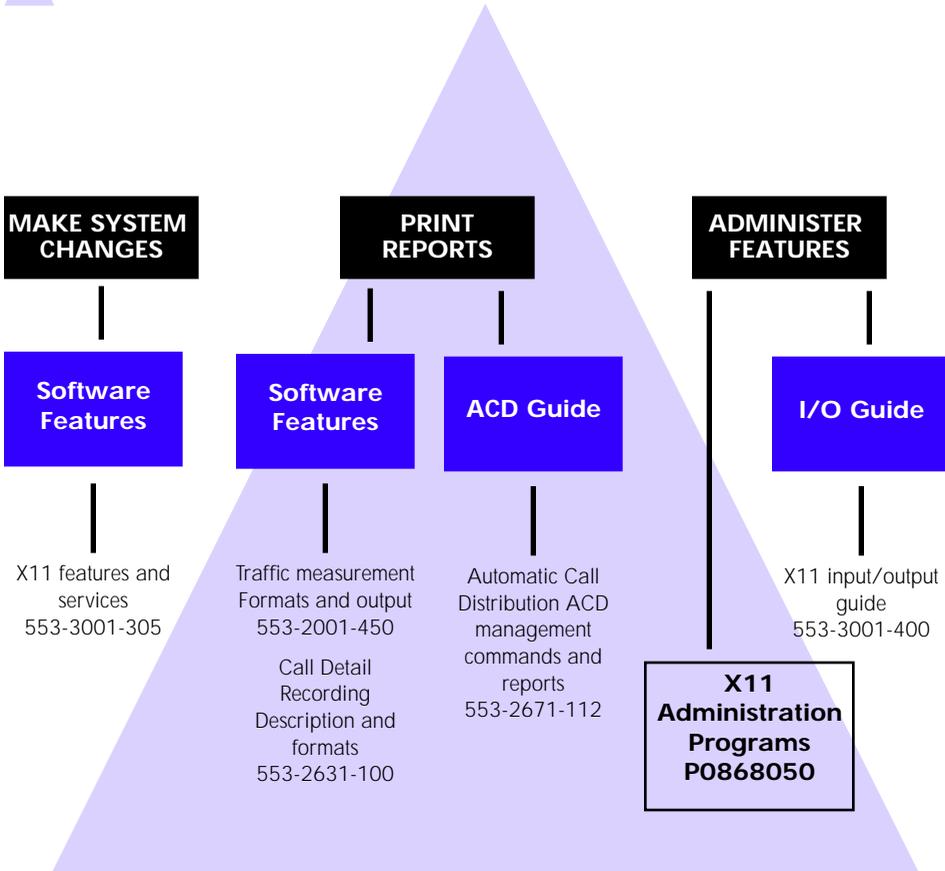


- task
- manuals
- spirals

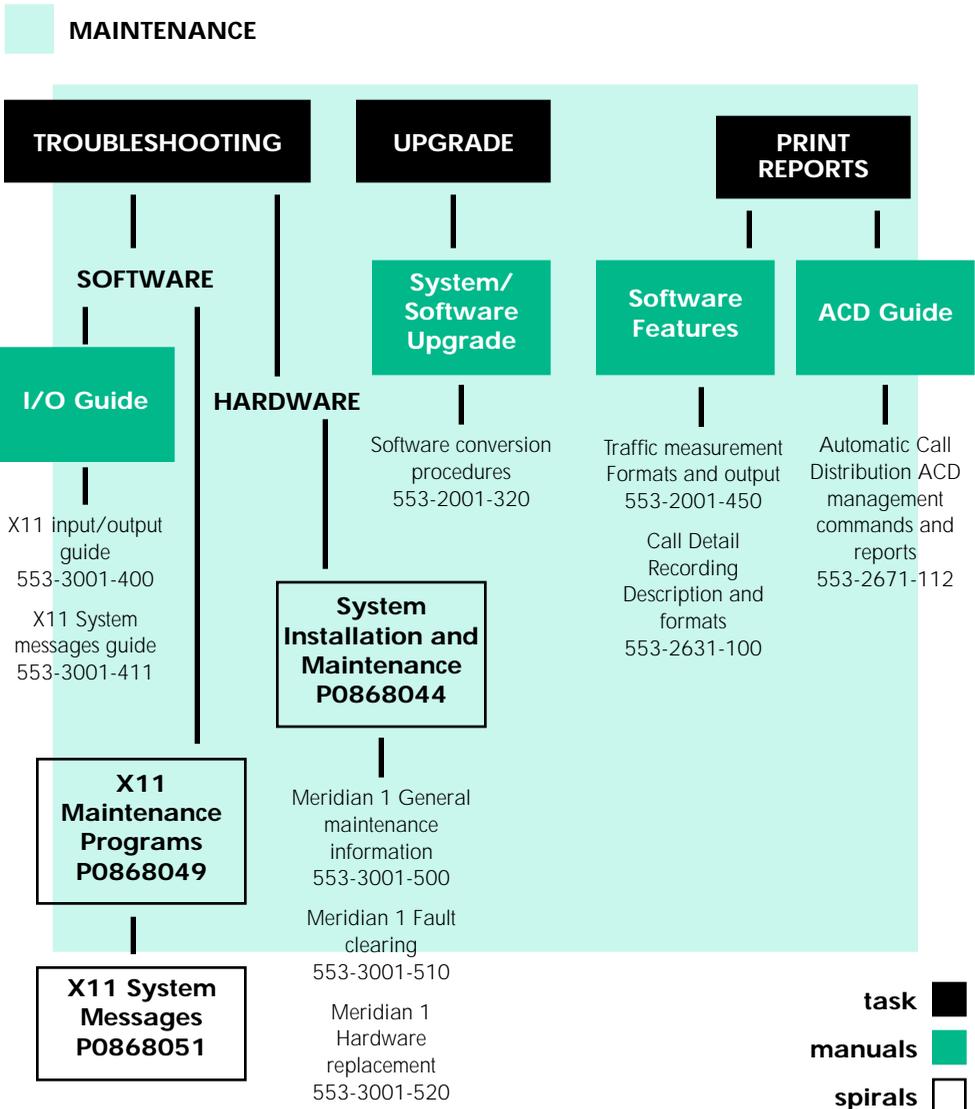
INSTALLATION



SYSTEM ADMINISTRATION



- task
- manuals
- spirals



NTP SUMMARIES

This section describes each of the Northern Telecom publications (NTPs) in the Meridian 1 library. The task symbols below identify the publication's primary audience.



ENGINEERING



INSTALLATION



SYSTEM ADMINISTRATION



MAINTENANCE

CORE HARDWARE AND SOFTWARE

Electronic Switched Network description (309-3001-100)

Manual P0868068

introduces ESN, a private communications network intended for large businesses with distributed operating locations. Concepts described include network class of service, network alternate route selection, network control, network signaling, routing control, call back queuing, off hook queuing, network authorization codes, coordinated dialing plan, and network traffic measurements.

Electronic Switched Network signaling guidelines (309-3001-180)

Manual P0868068

describes the signaling guidelines and considerations that apply to ESN networks. The information helps to determine the compatibility of a switch for an ESN network.

Electronic Switched Network transmission guidelines (309-3001-181)

Manual P0868068

describes the major transmission considerations in planning for an ESN. Topics include transmission planning and performance for on-network calls, tandem combinations of public and private network trunks, and remote network access.

QPC422 Tone Detector Card description (553-2001-191)

Manual P0868058

outlines the characteristics and operation of the QPC422 Tone Detector Card.

Software conversion procedures (553-2001-320) Manual P0868060;

Spiral P0868046

explains how to upgrade X11 release 8 or 9 to X11 release 10, and X11 release 10 to a later release. It also explains software conversions within a single release.

Transmission testing capabilities description and operation (553-2001-325) Manual P0868058

describes the trunk transmission testing capabilities—100-test line termination and loop-around termination—available on Meridian 1 systems equipped with X11 release 2 and later software.

Traffic measurement formats and output (553-2001-450) Manual P0868062

provides detailed information on how the Meridian 1 collects and reports traffic data, and what data it collects, including types of calls, call completion rates, call failures, and waiting periods.

M1250 and M2250 Attendant Consoles description (553-2201-117) Manual P0868059

describes the features and operation of these attendant consoles, which assist the attendant in placing and extending calls into and out of a Meridian 1 system.

XN, XT Network Module expansion (553-2201-156) Manual P0868060

provides a general description and installation procedures for the Network Group Expansion Interface Assembly, which allows one or two network groups to be housed in Meridian 1 Network Modules.

Digital telephone line engineering (553-2201-180) Manual P0868058

provides detailed procedures for ensuring the successful installation of digital telephones on a loop.

Summary of transmission parameters (553-2201-182) Manual P0868058

includes topics on a loss plan for μ -Law applications, μ -Law transmission characteristics, A-Law transmission characteristics, and transmission parameters for Meridian Modular Telephones.

**Background Terminal Facility description (553-2311-316)
Manual P0868067**

provides information on how to use a background terminal to enter, retrieve, and modify data associated with Automatic Wake-Up, Room Status, Message Registration, and Call Party Name Display. It also includes information on terminal setup, configuration, maintenance, and error messages.

**Remote Peripheral Equipment description, installation, and testing
(553-2601-200) Manual P0868061**

provides comprehensive information on RPE, which increases the 15 m (50 ft) range of the loop between common equipment (CE) and peripheral equipment (PE) shelves in a Meridian 1 system.

**QCA144 1.5 Mb/s Remote Peripheral Equipment Cabinet description,
installation and testing (553-2601-200, Appendix 1)
Manual P0868061**

provides comprehensive information on RPE installed in a QCA144 RPE cabinet and in a QSD69 RPE shelf in either a remote or a local cabinet.

**Remote Peripheral Equipment maintenance procedures
(553-2601-500) Manual P0868061**

provides information for locating, diagnosing, and repairing faults for the Meridian 1 RPE.

**QCA144 1.5 Mb/s Remote Peripheral Equipment Cabinet Appendix A
maintenance and equipment replacement (553-2601-500A)
Manual P0868061**

describes maintenance and equipment replacement for the QCA144 RPE cabinet and related equipment.

**Call Detail Recording description and formats (553-2631-100)
Manual P0868062**

provides an overview of CDR, including a detailed description of data storage and retrieval, and sample report output.

**Automatic Call Distribution feature description (553-2671-110)
Manual P0868071**

describes the ACD agent, supervisor, and system features available in the following packages: Base ACD (BACD), ACD basic features (ACD-A), ACD advanced features (ACD-B). Where appropriate, the descriptions include feature interactions, feature requirements, and operating parameters.

Automatic Call Distribution ACD management commands and reports (553-2671-112) Manual P0868071

describes how to use ACD load management commands to tailor the system, and how to request ACD activity reports.

Centralized Attendant Service description and engineering (553-2681-100) Manual P0868062

outlines CAS, its interactions with other features, equipment specification and operation, engineering requirements, and feature implementation.

**Message Center description and operation (553-2691-100)
Manual P0868067**

describes the equipment requirements, power supply installation, and feature interactions of the Message Center feature. It also describes the three types of Message Center: Automatic Call Distribution (ACD), SL-1 and Meridian digital telephones, and attendant.

**Message Registration description and operation (553-2701-101)
Manual P0868067**

describes Message Registration, a feature that meters local calls over designated central office trunks. It includes feature interactions, operating parameters, feature administration, hardware description, trunk circuit pack descriptions, reverse battery operation, background terminal command summary, and meter access.

**Flexible Tone and Digit Switch cards description (553-2711-180)
Manual P0868062**

explains Flexible Tones and Cadences (FTC) and Flexible TDS cards, and provides NT8D17 Conference/TDS tone tables.

Office Data Administration System description and engineering (553-2721-100) Manual P0868062

outlines the features provided in the ODAS package, which assists in Meridian 1 and attendant console record keeping.

Meridian Data Services description (553-2731-100) Manual P0868066

explains available dial-up data communications facilities: Local Terminal-to-Terminal, Terminal-to-Local Computer Port, Terminal-to-Remote Device, and Remote Terminal-to-Local Device. Information includes equipment, features, services, and implementation.

QPC723 RS-232 Interface Line Card description, installation, and operation (553-2731-106) Manual P0868066

describes the QPC723 RILC, the interconnection between the RILC, the data terminal equipment (DTE) or data communication equipment (DCE), and the Meridian 1 system. Information includes card installation and operation, and associated hardware requirements.

QMT21 High Speed Data Module description, installation, and operation (553-2731-107) Manual P0868066

describes the QMT21 HSDM, which provides an RS-232C/V.35 interface between compatible synchronous or asynchronous data terminal equipment (DTE) and the Meridian 1 switching network. Information includes HSDM features, troubleshooting procedures, specifications, and installation.

QPC918 High Speed Data Card description, installation, and operation (553-2731-108) Manual P0868066

describes the QPC918 HSDC, which provides an RS-232C/V.35 interface between compatible synchronous or asynchronous data terminal equipment (DTE) and the Meridian 1 switching network. Information includes HSDC features, troubleshooting procedures, specifications, and installation.

Meridian Communications Unit and Meridian Communications Adapter description, installation, administration, operation (553-2731-109) Manual P0868066

describes the MCU and MCA, which provide an RS-232C/V.35 interface between compatible synchronous or asynchronous data terminal equipment (DTE) and the Meridian 1 switching network. Information includes HSDC features, troubleshooting procedures, specifications, and installation.

Transparent Data Networking (553-2731-110) Manual P0868066

describes TDN, which allows end-to-end protocol exchange between two data modules that use end-to-end protocols such as T-Link and PSDS. TDN accesses Tie and DID trunks, and enables all types of calls to be tandemed across Meridian 1 switches. Information includes an overview, operating parameters, implementation, and operation.

Meridian data features traffic engineering and configuration (553-2731-151) Manual P0868066

provides configuration guidelines for implementing data features on Meridian 1 systems. Information includes data call characteristics, data calling traffic impact, and traffic and service facility tables that help you determine your system requirements.

Meridian SL-1 data feature installation Apple and Hewlett-Packard (553-2731-201) Manual P0868066

describes how to connect an Apple Macintosh and a Hewlett-Packard 3000ATP computer to a Meridian SL-1 switch, with or without a telephone.

Enhanced Asynchronous Interface Line Unit description and formats (553-2731-203) Manual P0868066

describes the EAILU, a compact EIA RS-232 to RS-422 cable line driver that provides terminal and host connectivity to the Meridian 1. Information includes compatible DTE devices, power requirements, maintenance, specifications, ordering information, installation, and testing.

**Meridian data features operation and tests (553-2731-300)
Manual P0868066**

describes how to operate the Meridian data station, how to test its online transmission performance, and how to troubleshoot the ASIM.

**Basic and Network Alternate Route Selection description
(553-2751-100) Manual P0868068**

introduces concepts necessary for creating a private telecommunications network with switches in different locations. Information includes network access codes, uniform dialing plan, dialing transparency, automatic least-cost routing, routing and network controls, digit manipulation, free calling area screening, and expensive route warning tone.

Network Queuing description (553-2751-101) Manual P0868068

introduces the queuing features and options available to switches that operate in a private network environment, including off hook queuing, call back queuing, coordinated call back queuing, and call back queuing to conventional mains.

**Coordinated Dialing Plan description (553-2751-102)
Manual P0868068**

provides information on how to coordinate a dialing plan for stations at a number of local Meridian 1 switches.

**Basic and Network Authorization Code description (553-2751-103)
Manual P0868068**

introduces the authorization code features in X11 software for general and networked applications, including authorization code validation, station-specific authorization code, authorization code administration, and attendant input of authorization code.

**Flexible Numbering Plan description, operation, and administration
(553-2751-105) Manual P0868062**

provides information for configuring, administering, and maintaining flexible numbering plan functionality.

**Buffer Interface/Protocol Converter description (553-2801-100)
Manual P0868067**

provides descriptions, interface circuits and protocols, installation and operating procedures, ordering information, and specifications for BIPC.

**Property Management System Interface description (553-2801-101)
Manual P0868067**

provides feature, message control, and installation and configuration information for PMSI.

**Digital Trunk Interface/Computer-to-PBX Interface description
(553-2811-100) Manual P0868068**

provides information on the DTI feature, including its functions, operations, and associated hardware.

**Digital Trunk Interface/Computer-to-PBX Interface installation and
data administration (553-2811-200) Manual P0868068**

describes installation, data administration, and acceptance test procedures for the DTI/CPI features. It also includes the wire list for building cables of nonstandard lengths for DTI applications.

**Digital Trunk Interface/Computer-to-PBX Interface maintenance
(553-2811-500) Manual P0868068**

describes fault clearing and maintenance procedures for the Meridian 1 DTI feature, as well as clock controller operations, maintenance, messages, and cabling.

**ISDN Primary Rate Interface description and administration
(553-2901-100) Manual P0868068**

introduces the ISDN and describes the features available on a Meridian 1 with ISDN PRI. Topics include an overview, PRI configuring, PRI service verification, coordinating PRI parameters, and engineering guidelines, as well as a description of specific PRI features.

**Feature Group D description and operation (553-2901-102)
Manual P0868068**

introduces FGD, an interface that provides access to corporate networks from off-net sources. Information includes description, feature interactions, operation, implementation, maintenance, and diagnostics.

**ISDN Primary Rate Interface installation (553-2901-200)
Manual P0868068**

provides installation procedures for PRI circuit cards, D-channel Interface (DCHI) cards, Multi-purpose Serial Data Link (MSDL) cards, clock controller cards, and ISDN Signaling Link equipment.

**ISDN Primary Rate Interface maintenance (553-2901-500)
Manual P0868068**

provides operation and maintenance procedures for ISDN PRI on the Meridian 1, including status check and startup procedures, fault clearing, maintenance commands, error detection, cabling, and system messages.

Library navigator (553-3001-000) Manual P0868057

provides an overview of the Meridian 1 library including library organization, new and updated library assembly procedures, task maps, NTP summaries, release descriptions, and the library index.

North American feature listing (553-3001-012) Manual P0868062

provides a complete list of all software features available on Meridian 1 systems, and indicates the source document(s) where descriptive information can be found.

**Fibre remote IPE description, installation, and maintenance
(553-3001-020) Manual P0868061**

describes the operation of the fibre-optic equipment that is used to support remote intelligent peripheral equipment (IPE). It provides a product description and detailed information on how to install, configure, test, and maintain this equipment as an integral part of the Meridian 1 system.

Carrier Remote IPE description, installation and maintenance (553-3001-021) Manual P0868061, Stand-alone P0818829

provides information specific to system options 21E through 81C for the implementation of the Carrier Remote IPE feature. It describes the operation of carrier remote equipment and provides specific information on how to install and maintain this equipment as an integral part of the PBX systems and system options.

Fiber Remote Multi-IPE Interface description, installation and maintenance (553-3001-022) Manual P0868061

provides information specific to the Meridian 1 implementation of fiber-optic links that connect the Meridian 1 system to multiple Remote IPE modules using a pair of Fiber Remote Multi-IPE Interface units.

Meridian 1 system overview (553-3001-100) Manual P0868058

explains the Meridian 1, its system options, system modules, and hardware and software architecture.

Upgrade overview (553-3001-101) Manual P0868060

contains an introduction to the technical and procedural information necessary to upgrade SL-1 and Meridian 1 systems to operate on the current release of X11 software. The information helps you engineer the system upgrade, install the upgrade hardware, and convert the software.

Meridian Integrated Conference Bridge (MICB) description, installation, administration and maintenance (553-3001-102) Manual P0868059

describes the operation of the MICB and provides specific information on how to install, maintain, and administer this feature and its associated equipment .

Meridian 1 line cards description (553-3001-105) Manual P0868058

describes the various line cards that are used with Meridian 1 option switches. It shows how the line cards fit into the Meridian 1 architecture, how they are used at the customer site, and how they are installed and programmed. Detailed technical specifications are given for each of the cards.

Meridian 1 trunk cards description (553-3001-106) Manual P0868058

describes the various trunk cards that are used with Meridian 1 option switches. It shows how the trunk cards fit into the Meridian 1 architecture, how they are used at the customer site, and how they are installed and programmed. Detailed technical specifications are given for each of the cards.

Meridian 1 serial data interface cards description (553-3001-107) Manual P0868058

describes the physical characteristics, specifications, installation, and maintenance for the NT8D41 SDI paddle board and the QPC841 QSDI, and QPC513 ESDI cards.

Meridian 1 telephones description and specifications (553-3001-108) Manual P0868058

provides feature, add-on module, and specification information for Meridian Modular Telephones, M3000 Touchphones, M2317 telephones, M2000 telephones, and SL-1 telephones.

Cabling guide (553-3001-109) Manual P0868058

provides detailed system engineering, cable routing, and connector assignments for the Meridian 1 system signal cabling, including Meridian Max and Meridian Mail. It also includes cables for upgrading systems from SL-1 to Meridian 1 option switches.

NT6D82 Power System description, installation, and maintenance (553-3001-110) Stand-alone P0800554

provides information for installing and maintaining the power system, as well as a general system description.

Digital Clock Controllers installation and operation (553-3001-111) Manual P0868059

describes Clock Controllers, focusing on installation and replacement procedures.

Meridian Integrated RAN (MIRAN) description, administration and operation (553-3001-112) Manual P0868059

describes the operation of the MIRAN product and provides specific information on how to administer this feature and associated equipment.

Meridian 1 installation planning (553-3001-120) Manual P0868058

provides guidelines for planning the Meridian 1 environment, including the equipment area, grounding and power, and cabling. Included is an installation outline and milestone chart, information on fire protection and safety requirements, environmental factors, site planning, and preparation for delivery and installation.

Meridian 1 capacity engineering (553-3001-149) Manual P0868058

provides information for properly engineering a Meridian 1 switch at initial installation, during an upgrade, and when traffic loads change significantly. It is also useful when evaluating a system upgrade.

Upgrade engineering (553-3001-150) Manual P0868060

provides engineering information for system upgrades to Meridian 1 options supported by the current release of X11 software. It includes sections on the upgrade selection process, each upgrade path, and power and ground engineering.

Meridian 1 system engineering (553-3001-151) Manual P0868058

provides guidelines for determining equipment requirements for a system installation, configuring and assigning system equipment, distributing traffic equally over the system components, and maintaining utilization levels when altering the system configuration.

Meridian 1 power engineering (553-3001-152) Manual P0868058

describes Meridian 1 AC-powered systems, DC-powered systems, and reserve power options for both; gives operating power requirements, including guidelines for calculating system power consumption; and provides guidelines for determining wire size for power connections.

Spares planning (553-3001-153) Manual P0868058

provides information, including hardware failure rates, to calculate and plan for spare (replacement) equipment.

**Meridian 1 equipment identification (553-3001-154)
Manual P0868058, Spiral P0868045**

specifies the equipment that can be ordered and used with Meridian 1 system options. Where appropriate, information includes the purpose, quantity required, and system compatibility.

**Product compatibility (553-3001-156) Manual P0868058;
Spiral P0868045**

summarizes, in a series of tables, system-level compatibility for software generics and releases, and individual hardware products on Meridian 1 and SL-1 systems.

**NT7D16 Data Access Card description and operation (553-3001-191)
Manual P0868066**

outlines the characteristics and operations of the NT7D16 DAC. Information includes operation, operating modes, specifications, and installation.

**Multi-purpose Serial Data Link description (553-3001-195)
Manual P0868059**

describes the MSDL card, its four full-duplex serial I/O ports, and its architecture. In addition, the manual describes how to install, maintain, and troubleshoot the MSDL card.

**Meridian 1 system installation procedures (553-3001-210)
Manual P0868060; Spiral P0868044**

provides installation and acceptance testing procedures for Meridian 1 system options.

**Circuit card installation and testing (553-3001-211)
Manual P0868059; Spirals P0868044, P0868045**

includes a general procedure for initially installing a circuit card, a list of compatible slots for circuit cards on specific Meridian 1 system options, option settings for PBX circuit cards that Northern Telecom supports, and acceptance tests for circuit cards that provide service functions, network control, and trunk connections.

**Telephone and attendant console installation (553-3001-215)
Manual P0868059; Spiral P0868044**

provides wiring information and installation and removal procedures for attendant consoles, telephones, and add-on modules.

**Upgrade system installation through X11 release 21 (553-3001-250)
Manual P0868060**

describes how to upgrade SL-1 and Meridian 1 systems running on prior releases of X11 software to currently supported Meridian 1 systems running on X11 release 21 software.

**Upgrade system installation to X11 release 23 (553-3001-258)
Manual P0868060**

describes how to upgrade SL-1 and Meridian 1 systems running on X11 release 18 and later software to currently supported Meridian 1 systems running on X11 release 23 software.

Disk drive upgrade procedures (553-3001-251) Manual P0868060

explains how to install a floppy disk unit (FDU), small-systems multi-disk unit (SMDU), or multi-disk unit (MDU) in Meridian 1 systems.

**X11 software management (553-3001-300) Manual P0868064;
Spiral P0868048**

provides an overview of X11, the software platform of the SL-1. It also introduces the system management facilities provided with Meridian 1, including communication with the Meridian 1, system security, system reporting, and system management applications.

**X11 system management applications (553-3001-301)
Manual P0868064; Spiral P0868048**

describes the Meridian 1 system management applications, including an overview, operating parameters, interactions with other Meridian 1 features, packaging, implementation, and operations.

**X11 system security management (553-3001-302) Manual P0868064;
Spiral P0868048**

instructs Meridian 1 distributors and administrators how to detect possible unauthorized access to Meridian 1 and Meridian Mail and how to implement system-wide security features.

Set-based administration (553-3001-303) Manual P0868064

provides instructions for using the Set-based administration feature on Meridian 1 Options 21E through 81C. Set-based administration simplifies system installation and administration by enabling a set (telephone terminal) to be used to perform several administrative and maintenance procedures.

**X11 features and services (553-3001-305) Manual P0868062;
Spiral P0868050**

provides the following information for each software feature available with the X11 software: description, operating parameters, interactions with other features, packaging, implementation, and operations. It also includes an index by feature name, and a series of cross-reference tables and lists.

**Emergency Services Access product description and administration
(553-3001-313) Manual P0868064; Spiral P0868048**

provides information on the feature, available with X11 release 23, which introduces Private 911 functionality (required by federal legislation) on the Meridian 1.

**X11 input/output guide (553-3001-400) Manual P0868065;
Spirals P0868049, P0868050**

serves as a reference guide for system administrators. It includes instructions for using administration and maintenance programs to configure and equip Meridian 1 features, as well as a comprehensive listing of system messages and their explanations.

**X11 system messages guide (553-3001-411) Manual P0868065;
Spiral P0868051**

documents system error message (e.g., BUG, SCH, AUD, etc.) meanings. Administrators should consult this guide when seeking to interpret and respond to an X11 system error message.

**Meridian 1 general maintenance information (553-3001-500)
Manual P0868059; Spiral P0868044**

provides the following maintenance information for Meridian 1 system options: guidelines for avoiding personal injury and equipment damage, methods for communicating with the system, requirements for servicing batteries and air filters, a description of hardware and software maintenance tools, and information on Northern Telecom Technical Assistance Centers and services.

**Meridian 1 fault clearing (553-3001-510) Manual P0868059;
Spiral P0868044**

provides instructions for locating and clearing faults in Meridian 1 system options.

**Meridian 1 hardware replacement (553-3001-520)
Manual P0868059; Spiral P0868044**

describes how to remove a faulty piece of equipment and replace it in Meridian 1 system options.

**Power monitor/common equipment auxiliary shelves description and
installation (553-3001-570) Manual P0868060; Stand-alone P0800553**

provides a physical description, functional description, and installation procedures for the NT7D44 and NT7D45.

**Network ACD description and operation (553-3671-120)
Manual P0868071**

describes the ACD capabilities provided over an Integrated Services Digital Network (ISDN), and provides feature administration and operation information.

**ISDN Basic Rate Interface description (553-3901-100)
Manual P0868069**

describes Integrated Services Digital Network (ISDN) Basic Rate Interface (BRI), including functional overview, operation, engineering guidelines, system planning and ordering, and features information.

**ISDN Basic Rate Interface installation (553-3901-200)
Manual P0868069**

describes how to prepare the site and equipment, where and how to install ISDN BRI network and peripheral equipment cards, and how to connect digital subscriber loops (DSLs) for Meridian 1 system options 21E, 51, 61, 71, and 81.

**ISDN Basic Rate Interface administration (553-3901-300)
Manual P0868069**

describes how to configure ISDN BRI equipment as a line application and with Meridian 1 packet handling capability, as well as setting up ISDN BRI traffic reports.

**ISDN Basic Rate Interface acceptance testing (553-3901-330)
Manual P0868069**

describes acceptance testing of ISDN BRI service on Meridian 1 system options 21E, 51, 61, 71, and 81, including preparing the system, testing BRI functions, and generating traffic reports.

**ISDN Basic Rate Interface maintenance (553-3901-500)
Manual P0868069**

describes BRI maintenance tools and procedures for identifying faults, locating defective units, correcting problems by fixing or replacing defective units, and verifying operations after corrections have been made.

MERIDIAN APPLICATIONS

This section describes each of the Northern Telecom Publications (NTPs) on hardware and software auxiliary processors in the Meridian 1 library. The task symbols below identify the publication's primary audience.



ENGINEERING



INSTALLATION



SYSTEM ADMINISTRATION



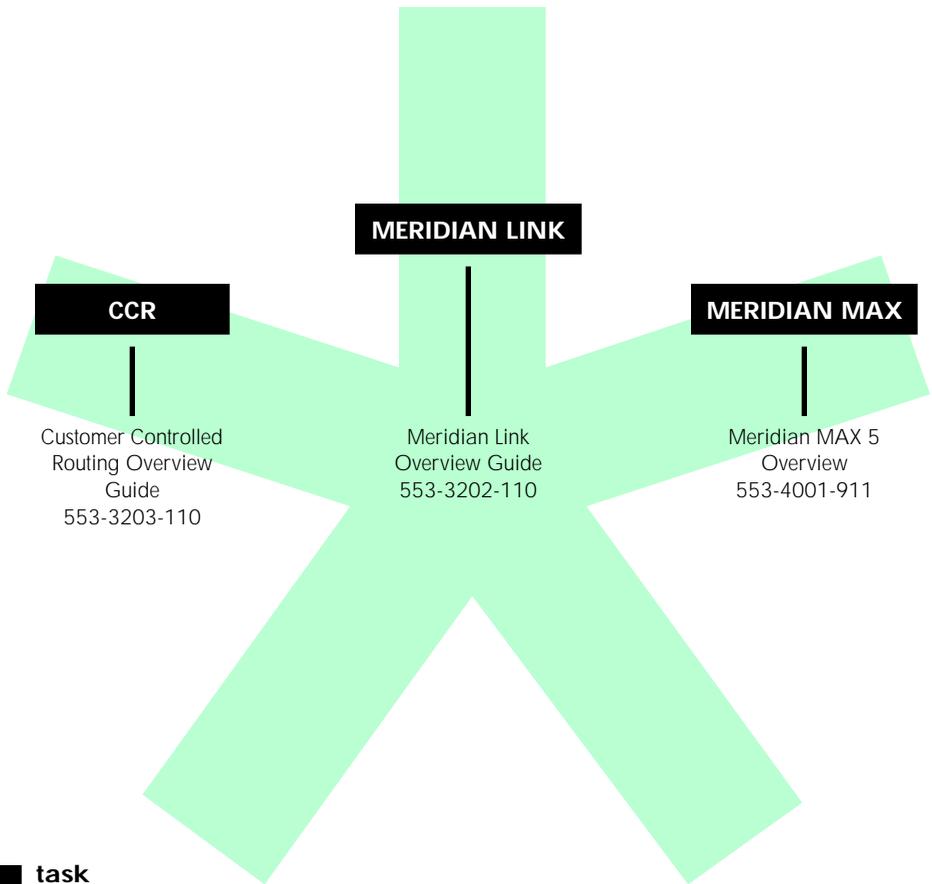
MAINTENANCE



APPLICATIONS



 **APPLICATIONS**



-  **task**
-  **manuals**
-  **spirals**

Meridian Link Overview Guide (553-3202-110)

introduces the Application Module and the applications that run on it. It provides a high-level description of the Application Module, Meridian Link application, hardware, Application Equipment Module, and OA&M software.

Meridian Link Installation and Upgrade (553-3202-210)

provides a more detailed description of Application Module hardware and cable requirements. Installation procedures include hardware installation, connection to external equipment, configuration of peripheral devices, Meridian 1 configuration, Application Module start-up instructions, and Meridian Link configuration.

Meridian Link Diagnostic and Maintenance Guide (553-3202-510)

provides a summary of commands used for operations, administration, and maintenance (OA&M) of the Application Module, as well as commands used for maintenance of the links between the Application Module and Meridian 1 or a host computer (for the Meridian Link application). Fault clearing and error message chapters help you diagnose any problems with the Application Module or applications, and guide you to any necessary hardware replacement or software recovery procedures.

Meridian Link Advanced Maintenance Guide (553-3202-512)

describes the use of advanced diagnostic tools, which are used to troubleshoot technical problems with the Application Module.

Meridian Link/CCR Engineering Guide (553-3203-151)

describes the engineering calculations for the Application Module, describes procedures for performing the calculations, and provides examples of calculations.

Customer Controlled Routing Overview Guide (553-3203-110)

introduces the Application Module and the applications that run on it. It provides a high-level description of the Application Module, Customer Controlled Routing application, hardware, Application Equipment Module, and OA&M software.

**Customer Controlled Routing Installation and Upgrade Guide
(553-3203-210)**

provides a more detailed description of Application Module hardware and cable requirements. Installation procedures include hardware installation, terminal and printer setup, Meridian 1 configuration, CCR configuration, and link configuration.

**Customer Controlled Routing Diagnostic and Maintenance Guide
(553-3202-510)**

provides a summary of the commands used for operations, administration, and maintenance (OA&M) of the Application Module, as well as commands used for maintenance of the links between the Application Module and Meridian 1. Fault clearing and error message chapters help you diagnose any problems with the Application Module or applications, and guide you to any necessary hardware replacement or software recovery procedures.

**Customer Controlled Routing Advanced Maintenance Guide
(553-3203-512)**

describes the use of advanced diagnostic tools, which are used to troubleshoot technical problems with the Application Module.

Meridian MAX 5 Overview (553-4001-911)

introduces the Meridian MAX system, and briefly describes and explains the capabilities of Meridian MAX features and functions. It provides a listing and brief descriptions of the Meridian MAX documents, as well as a master index, which lists the main topics and in which documents they can be found.

Meridian MAX 5 Installation Guide (553-4001-111)

describes the hardware and software installation procedures for Meridian MAX.

Meridian MAX Maintenance and Diagnostics Guide (553-4001-811)

describes the diagnostic messages used by the Meridian MAX system. It lists each system (error) message, and describes the cause of each message, the severity of the problem, and the recovery procedure. Also provides maintenance and administration procedures, and a fault isolation checklist.

Meridian MAX 5 Installation Upgrade Guide for Meridian MAX 3, 4 and 4.6 Systems (553-4001-210)

describes the hardware and software installation procedures for upgrading a Meridian MAX 3 or 4 single-module system to Meridian MAX 5.

Meridian MAX 5 Upgrade Guide for ACD-MAX 3, 4, and ACD-D Systems (553-4001-212)

describes the hardware and software installation procedures for upgrading an ACD-MAX single- or dual-tower system or ACD-D system to Meridian MAX 5.



LIBRARY INDEX

Formerly called the *Master index of publications*, this section contains the following lists:

- System-to-manual cross-reference
- System-to-release cross-reference
- New NTPs
- NTP-to-P0 Number cross-reference
- Manual-to-NTP cross-reference
- Stand-alone NTPs
- Condensed guides
- User guide/reference guide list
- Retired NTP list

SYSTEM-TO-MANUAL CROSS-REFERENCE

Use this section if you know your system type and want to find out what manuals to use. It includes a brief description of the topics included in the manuals for each system.

Software publications document all Meridian 1 systems. Hardware publications document only the following Meridian 1 options: 21, 21E, 51, 51C, 61, 61C, 71, 81 and 81C.

P0868057 Library Navigator (1 manual)

This manual replaced the Master Index, and includes:

- a description of the changes made to the library
- available document indices
- library indices that include system-to-manual, NTP-to-manual, and manual-to-NTP cross-references
- user library maps
- document summaries

P0868058 System planning and engineering guide (4 manuals)

This manual includes:

- requirements and guidelines for installation sites
- identification of the hardware components and configurations of the system
- a description of compatible telephones, attendant consoles, and add-on modules
- engineering guidelines, provisioning information, and spares planning guidelines
- transmission and digital line engineering parameters
- descriptions of line, trunk, serial data interface, and tone detector cards

P0868059 System installation and maintenance guide (3 manuals)

This manual includes:

- procedures for installing a system and tests to verify that the system operates properly
- a list of compatible card slots, procedures for installing and testing cards, and settings for cards equipped with option switches or jumpers
- procedures for installing telephones, attendant consoles, and add-on modules
- a description of general maintenance features
- possible fault indications and procedures for isolating the problem
- procedures for replacing faulty equipment

P0868060 System and software upgrade guide (5 manuals)

This manual includes:

- procedures for upgrading from pre-Meridian 1 systems (SL-1) to Meridian 1 systems
- procedures for upgrading from one Meridian 1 system option to another Meridian 1 system option

P0868061 Remote service products guide (1 manual)

This manual includes:

- a description of remote peripheral equipment (RPE) for SL-1 systems along with information on installing, testing, and maintaining RPE equipment
- a description of intelligent peripheral equipment (IPE) that is remotely located from a Meridian 1 system and interconnected over a fibre-optic link along with information on installing, configuring, testing, and maintaining fibre remote IPE equipment

P0868062 X11 software features guide (3 manuals)

This manual includes:

- descriptions of all features and services available with a specific software generic and release
- detailed procedures for adding, changing, printing, or removing a feature or service through software
- operating tests and procedures (where necessary) for features and services
- procedures for performing software updates and conversions
- traffic measurement information

P0868064 X11 System management guide (1 manual)

This manual includes:

- a brief overview of how to use the input/output system
- descriptions of system OA&M applications
- descriptions of system security
- description of the Emergency Services Access product
- information on the set-based administration feature

P0868065 X11 input/output guide (4 manuals)

This manual includes:

- a comprehensive listing of prompts and responses for administration programs
- detailed listings of all commands and responses for maintenance programs
- listings and interpretations of system messages and display codes

Special features

The following manuals support special features. Each manual contains only those documents that relate to the specific feature or feature application.

| | |
|-----------------------------|---|
| P0868066 (1 manual) | X11 data features |
| P0868067 (1 manual) | X11 hospitality features |
| P0868068 (3 manuals) | Networking features |
| P0868069 (1 manual) | ISDN Basic Rate Interface |
| P0868071 (1 manual) | Automatic Call Distribution reference guide |

SYSTEM-TO-RELEASE CROSS-REFERENCE

Use this table to locate X11 release levels that support each system type.
 Except where noted, Meridian 1 NTPs cover all system types.

| SYSTEM TYPE | LOWEST SUPPORTED RELEASE LEVEL | HIGHEST SUPPORTED RELEASE LEVEL |
|-------------|-----------------------------------|------------------------------------|
| ST | 9 | 17 |
| STE | 18 | 21 |
| NT | 8 | 21 |
| XT | 8 | 21 |
| RT | 12 | 21 |
| 21 | 15 | 17 |
| 21E | 18 | 21 |
| 51 | 15 | 21 |
| 51C | 20 | 23 |
| 61 | 15 | 21 |
| 61C | 19 | 23 |
| 71 | 15 | 21 |
| 81 | 18 | 23 |
| 81C | 21 | 23 |

NEW NTPS

The following new NTPs were issued with X11 release 23.

| NTP NUMBER | TITLE | PO NUMBER |
|---------------------|---|----------------------|
| 553-3001-102 | Meridian Integrated Conference Bridge (MICB) Description, installation, administration, and maintenance | P0868059 |
| 553-3001-112 | Meridian Integrated RAN (MIRAN) Description, installation, and operation | P0868059 |
| 553-3001-313 | Emergency Services Access Product description, and administration | P0868064 P0868048 |

NTP-TO-PO NUMBER CROSS-REFERENCE

Use this list if you need specific information on a particular publication, including release number or date, and appropriate manual, or stand-alone document.

Publications listed in the following table are contained in the current Meridian 1 NTP library and are included with new library shipments (except as noted). The NTPs are available in both paper and CD-ROM formats

| NTP NUMBER | RELEASE NUMBER | RELEASE DATE | PUBLICATION TITLE | PO NUMBER |
|---------------------|-----------------------|---------------------|--|----------------------|
| 167-2191-200 | — | 10/15/79 | Power Distribution Plant J2412A | shipped with product |
| 167-4201-200 | — | 08/12/77 | UT1 Power Unit description, installation and maintenance | shipped with product |
| 169-2181-200 | — | 10/84 | J2357D Rectifier | shipped with product |
| 309-3001-100 | 8.00 | October 1997 | Electronic Switched Network Description | P0868068 |
| 309-3001-180 | 3.0 | December 1994 | Electronic Switched Network Signaling guidelines | P0868068 |
| 309-3001-181 | 3.0 | December 1994 | Electronic Switched Network Transmission guidelines | P0868068 |
| 553-2001-100 | 4.0 | December 1994 | Japanese features and services | Japan only |
| 553-2001-191 | 4.0 | December 1995 | QPC422 Tone Detector Card Description | P0868058 |

| NTP NUMBER | RELEASE NUMBER | RELEASE DATE | PUBLICATION TITLE | PO NUMBER |
|------------------------------------|---------------------------|-------------------------|--|-------------------------------------|
| 553-2001-320 | 18.00 | October 1997 | Software conversion procedures | P0868060 P0868046 Stand-alone |
| 553-2001-325 | 3.0 | December 1994 | Transmission testing capabilities Description and operation | P0868058 |
| 553-2001-450 | 11.00 | October 1997 | Traffic measurement Formats and output | P0868062 |
| 553-2201-117 | 8.00 | October 1997 | M1250 and M2250 Attendant Consoles Description | P0868059 |
| 553-2201-180 | 3.0 | December 1994 | Digital telephone line engineering | P0868058 |
| 553-2201-182 | 10.0 | July 1995 | Summary of transmission parameters | P0868058 |
| 553-2311-316 | 8.00 | August 1996 | Background Terminal Facility Description | P0868067 |
| 553-2601-200 | 3.0 | December 1994 | Remote Peripheral Equipment Description, installation, and testing | P0868061 |
| 553-2601-200 Appendix 1 | 2.0 | December 1994 | QCA144 1.5 Mb/s Remote Peripheral Equipment Cabinet description, installation, and testing | P0868061 |
| 553-2601-500 | 3.0 | December 1994 | Remote Peripheral Equipment Maintenance procedures | P0868061 |

| NTP NUMBER | RELEASE NUMBER | RELEASE DATE | PUBLICATION TITLE | PO NUMBER |
|-----------------------|---------------------------|-------------------------|---|-------------------------|
| 553-2601-500A | 2.0 | December 1994 | QCA144 1.5 MB/S Remote Peripheral Equipment Cabinet Appendix A Maintenance and equipment replacement | P0868061 |
| 553-2631-100 | 6.00 | October 1997 | Call Detail Recording Description and formats | P0868062 |
| 553-2661-110 | 3.0 | December 1994 | AUTOVON Reference guide | P0802241 Stand-alone |
| 553-2671-110 | 5.00 | October 1997 | Automatic Call Distribution Feature description | P0868071 |
| 553-2671-112 | 4.00 | August 1996 | Automatic Call Distribution ACD management commands and reports | P0868071 |
| 553-2681-100 | 5.00 | August 1996 | Centralized Attendant Service Description and engineering | P0868062 |
| 553-2691-100 | 8.00 | August 1996 | Message Center Description and operation | P0868067 |
| 553-2701-101 | 4.00 | August 1996 | Message Registration Description and operation | P0868067 |

| NTP NUMBER | RELEASE NUMBER | RELEASE DATE | PUBLICATION TITLE | PO NUMBER |
|-----------------------|---------------------------|-------------------------|---|----------------------|
| 553-2711-180 | 6.00 | July 1995 | Flexible Tone and Digit Switch cards Description | P0868062 |
| 553-2721-100 | 3.0 | December 1994 | Office Data Administration System Description and engineering | P0868062 |
| 553-2731-100 | 4.0 | December 1994 | Meridian Data Services Description | P0868066 |
| 553-2731-106 | 4.0 | December 1994 | QPC723, RS-232 Interface Line Card Description, installation, and operation | P0868066 |
| 553-2731-107 | 5.0 | December 1994 | QMT21 High Speed Data Module Description, installation, and operation | P0868066 |
| 553-2731-108 | 3.0 | December 1994 | QPC918 High Speed Data Card Description, installation, and operation | P0868066 |
| 553-2731-109 | 4.00 | October 1997 | Meridian Communications Unit and Meridian Communications Adapter Description, installation, administration, operation | P0868066 |
| 553-2731-110 | 2.0 | December 1994 | Transparent Data Networking | P0868066 |

| NTP NUMBER | RELEASE NUMBER | RELEASE DATE | PUBLICATION TITLE | PO NUMBER |
|-----------------------|---------------------------|-------------------------|--|----------------------|
| 553-2731-151 | 5.0 | December 1994 | Meridian data features Traffic engineering and configuration | P0868066 |
| 553-2731-201 | 1.0 | December 1994 | Meridian SL-1 data feature Installation Apple and Hewlett-Packard | P0868066 |
| 553-2731-203 | 3.0 | December 1994 | Enhanced Asynchronous Interface Line Unit Description and formats | P0868066 |
| 553-2731-300 | 3.0 | December 1994 | Meridian data features Operations and tests | P0868066 |
| 553-2751-100 | 9.00 | October 1997 | Basic and Network Alternate Route Selection Description | P0868068 |
| 553-2751-101 | 3.0 | December 1994 | Network Queuing Description | P0868068 |
| 553-2751-102 | 4.0 | July 1995 | Coordinated Dialing Plan Description | P0868068 |
| 553-2751-103 | 6.00 | October 1997 | Basic and Network Authorization Code Description | P0868068 |
| 553-2751-105 | 5.00 | October 1997 | Flexible Numbering Plan Description, operation, and administration | P0868068 |
| 553-2801-100 | 4.00 | August 1996 | Buffer Interface/Protocol Converter Description | P0868067 |

| NTP NUMBER | RELEASE NUMBER | RELEASE DATE | PUBLICATION TITLE | PO NUMBER |
|-----------------------|---------------------------|-------------------------|--|-------------------------|
| 553-2801-101 | 7.00 | August 1996 | Property Management System Interface Description | P0868067 |
| 553-2811-100 | 4.0 | December 1994 | Digital Trunk Interface/ Computer-to-PBX Interface Description | P0868068 |
| 553-2811-200 | 6.0 | December 1994 | Digital Trunk Interface/ Computer-to-PBX Interface Installation and data administration | P0868068 |
| 553-2811-500 | 4.0 | December 1994 | Digital Trunk Interface/ Computer-to-PBX Interface Maintenance | P0868068 |
| 553-2901-100 | 14.00 | October 1997 | ISDN Primary Rate Interface Description and administration | P0868068 |
| 553-2901-102 | 2.0 | December 1994 | Feature Group D Description and operation | P0868068 |
| 553-2901-110 | 2.0 | 12/01/91 | Meridian Link ISDN/AP general guide | P0738422 Stand-alone |
| 553-2901-200 | 11.00 | August 1996 | ISDN Primary Rate Interface Installation | P0868068 |
| 553-2901-500 | 11.00 | October 1997 | ISDN Primary Rate Interface Maintenance | P0868068 |
| 553-3001-000 | 16.00 | October 1997 | Library navigator | P0868057 |

| NTP NUMBER | RELEASE NUMBER | RELEASE DATE | PUBLICATION TITLE | PO NUMBER |
|---------------------|-----------------------|---------------------|--|------------------|
| 553-3001-012 | 3.00 | October 1997 | North American Feature Listing | P0868062 |
| 553-3001-020 | 4.00 | August 1996 | Fibre Remote IPE Description, installation, and maintenance | P0868061 |
| 553-3001-021 | 3.00 | October 1997 | Carrier Remote IPE Description, installation, and maintenance | P0868061 |
| 553-3001-022 | 2.00 | August 1996 | Fiber Remote Multi-IPE Interface Description, installation, and maintenance | P0868061 |
| 553-3001-100 | 13.00 | October 1997 | Meridian 1 System overview | P0868058 |
| 553-3001-101 | 7.00 | October 1997 | Upgrade overview Upgrading to Meridian 1 system options | P0868060 |
| 553-3001-102 | 1.00 | April 1997 | Meridian Integrated Conference Bridge(MICB) Description, installation, administration, and maintenance | P0868059 |
| 553-3001-105 | 4.00 | October 1997 | Line cards Description | P0868058 |
| 553-3001-106 | 5.00 | October 1997 | Trunk cards Description | P0868058 |
| 553-3001-107 | 5.00 | October 1997 | Meridian 1 Serial data interface cards Description | P0868058 |

| NTP NUMBER | RELEASE NUMBER | RELEASE DATE | PUBLICATION TITLE | PO NUMBER |
|-----------------------|---------------------------|-------------------------|---|-------------------------|
| 553-3001-108 | 7.00 | October 1997 | Meridian 1 telephones Description and specifications | P0868058 |
| 553-3001-109 | 5.00 | October 1997 | Cabling guide | P0868058 |
| 553-3001-110 | 3.0 | December 1994 | NT6D82 Power System Description, installation, and maintenance | P0800554 Stand-alone |
| 553-3001-111 | 3.00 | December 1995 | Digital Clock Controllers Installation and administration | P0868059 |
| 553-3001-112 | 1.00 | June 1997 | Meridian Integrated RAN (MIRAN) Description, installation, and operation | P0868059 |
| 553-3001-120 | 12.00 | October 1997 | Meridian 1 Installation planning | P0868058 |
| 553-3001-149 | 9.00 | October 1997 | Meridian 1 capacity engineering | P0868058 |
| 553-3001-150 | 7.00 | October 1997 | Upgrade engineering Upgrading to Meridian 1 system options | P0868060 |
| 553-3001-151 | 12.00 | October 1997 | Meridian 1 System engineering | P0868058 |
| 553-3001-152 | 9.00 | October 1997 | Meridian 1 Power engineering | P0868058 |

| NTP NUMBER | RELEASE NUMBER | RELEASE DATE | PUBLICATION TITLE | PO NUMBER |
|---------------------|-----------------------|---------------------|--|----------------------------------|
| 553-3001-153 | 12.00 | October 1997 | Spares planning | P0868058 |
| 553-3001-154 | 15.00 | October 1997 | Meridian 1 Equipment identification (USA) | P0868058 P0868045 |
| 553-3001-156 | 8.00 | October 1997 | Product compatibility | P0868058 P0868045 |
| 553-3001-191 | 4.0 | December 1994 | NT7D16 Data Access Card Description and operation | P0868066 |
| 553-3001-195 | 5.00 | October 1997 | Multi-purpose Serial Data Link Description | P0868059 |
| 553-3001-210 | 13.00 | October 1997 | Meridian 1 System installation procedures | P0868060 P0868044 |
| 553-3001-211 | 15.00 | October 1997 | Circuit card installation and testing | P0868059 P0868044 P0868045 |
| 553-3001-215 | 9.00 | October 1997 | Telephone and attendant console installation | P0868059 P0868044 |
| 553-3001-250 | 14.00 | August 1996 | Upgrade system installation through X11 release 21 | P0868060 |
| 553-3001-251 | 6.00 | July 1995 | Disk drive upgrade procedures | P0868060 |
| 553-3001-258 | 2.00 | October 1997 | Upgrade system installation to X11 release 23 | P0868060 |
| 553-3001-300 | 4.00 | August 1996 | X11 system management | P0868064 P0868048 |

| NTP NUMBER | RELEASE NUMBER | RELEASE DATE | PUBLICATION TITLE | PO NUMBER |
|-----------------------|---------------------------|-------------------------|--|-------------------------------------|
| 553-3001-301 | 6.00 | August 1996 | X11 system management applications | P0868064 P0868048 |
| 553-3001-302 | 4.00 | October 1997 | X11 system security management | P0868064 P0868048 |
| 553-3001-303 | 2.00 | October 1997 | Set-based administration | P0868064 |
| 553-3001-305 | 14.00 | October 1997 | X11 features and services | P0868062 P0868047 |
| 553-3001-313 | 1.00 | October 1997 | Emergency Services Access Product description, and administration | P0868064 P0868048 |
| 553-3001-400 | 15.00 | October 1997 | X11 Input/Output Guide | P0868065 P0868049 P0868050 |
| 553-3001-411 | 4.00 | October 1997 | X11System Messages Guide | P0868065 P0868051 |
| 553-3001-500 | 12.00 | August 1996 | Meridian 1 General maintenance information | P0868059 P0868044 |
| 553-3001-510 | 9.00 | August 1996 | Meridian 1 Fault clearing | P0868059 P0868044 |
| 553-3001-520 | 13.00 | October 1997 | Meridian 1 Hardware replacement | P0868059 P0868044 |
| 553-3001-570 | 3.0 | December 1995 | Power monitor/common equipment auxiliary shelves Description and installation | P0868060 P0800553 Stand-alone |
| 553-3671-120 | 8.00 | October 1997 | Network ACD Description and operation | P0868071 |

| NTP NUMBER | RELEASE NUMBER | RELEASE DATE | PUBLICATION TITLE | PO NUMBER |
|-----------------------|---------------------------|-------------------------|---|----------------------|
| 553-3901-100 | 5.00 | October 1997 | ISDN Basic Rate Interface Description | P0868069 |
| 553-3901-200 | 5.00 | October 1997 | ISDN Basic Rate Interface Installation | P0868069 |
| 553-3901-300 | 5.00 | October 1997 | ISDN Basic Rate Interface Administration | P0868069 |
| 553-3901-330 | 5.00 | October 1997 | ISDN Basic Rate Interface Acceptance testing | P0868069 |
| 553-3901-500 | 5.00 | October 1997 | ISDN Basic Rate Interface Maintenance | P0868069 |

MANUAL-TO-NTP CROSS-REFERENCE

Use this section if you need to know all the publications in a specific manual. This section also includes information on the arrangement of manuals, documents, tabs, and previous P0 numbers. This section was formerly called the “binding specification.”

P0868057 LIBRARY NAVIGATOR

Former editions: R18/Opt. 81 library: None
 R19.10 library: None
 R19.14 library: P0747107
 R19.18 library: P0748302
 R20 library: P0800513
 R21.0x library: P0813952
 R21.1x library: P0820897
 R22 library: P0842656

| TAB TITLE | NTP NUMBER | RELEASE NUMBER |
|------------------------------------|--------------|----------------|
| Introducing the Meridian 1 Library | 553-3001-000 | 16.00 |
| Document summaries | 553-3001-000 | 16.00 |
| Master index | 553-3001-000 | 16.00 |

P0868058 SYSTEM PLANNING AND ENGINEERING GUIDE

Former editions: R18/Opt. 81 library: P0742039
R19.10 library: P0744197
R19.14 library: P0746458
R19.18 library: P0748299
R20 library: P0800516
R21.0x library: P0813968
R21.1x library: P0820898
R22 library: P0842657

MANUAL 1 OF 4

| TAB TITLE | NTP NUMBER | RELEASE NUMBER |
|---|-----------------------|---------------------------|
| System overview 553-3001-100 | 553-3001-100 | 13.00 |
| Installation planning 553-3001-120 | 553-3001-120 | 12.00 |
| Capacity engineering 553-3001-149 | 553-3001-149 | 9.00 |
| System engineering 553-3001-151 | 553-3001-151 | 12.00 |
| Digital telephone line engineering 553-2201-180 | 553-2201-180 | 3.0 |

**P0868058 SYSTEM PLANNING AND ENGINEERING GUIDE
MANUAL 2 OF 4**

| TAB TITLE | NTP NUMBER | RELEASE NUMBER |
|---|---------------|-------------------|
| Equipment identification 553-3001-154 | 553-3001-154 | 15.00 |
| Spares planning 553-3001-153 | 553-3001-153 | 12.00 |
| Product compatibility 553-3001-156 | 553-3001-156 | 8.00 |

**P0868058 SYSTEM PLANNING AND ENGINEERING GUIDE
MANUAL 3 OF 4**

| TAB TITLE | NTP NUMBER | RELEASE NUMBER |
|---|---------------|-------------------|
| Line cards 553-3001-105 | 553-3001-105 | 4.00 |
| Trunk cards 553-3001-106 | 553-3001-106 | 5.00 |
| Tone detector card 553-2001-191 | 553-2001-191 | 4.00 |

**P0868058 SYSTEM PLANNING AND ENGINEERING GUIDE
MANUAL 4 OF 4**

| TAB TITLE | NTP NUMBER | RELEASE NUMBER |
|---|-----------------------|---------------------------|
| Serial data interface cards 553-3001-107 | 553-3001-107 | 5.00 |
| Meridian 1 Telephones 553-3001-108 | 553-3001-108 | 7.00 |
| Cabling guide 553-3001-109 | 553-3001-109 | 5.00 |
| Power engineering 553-3001-152 | 553-3001-152 | 9.00 |
| Summary of transmission parameters 553-2201-182 | 553-2201-182 | 10.00 |
| Transmission testing 553-2001-325 | 553-2001-325 | 3.0 |

P0868059 SYSTEM INSTALLATION AND MAINTENANCE GUIDE

Former editions: R18/Opt. 81 library: P0742037
R19.10 library: P0744195
R19.14 library: P0746456
R19.18 library: P0748297
R20 library: P0800514
R21.0x library: P0813966
R21.1x library: P0820899
R22 library: P0842658

MANUAL 1 OF 3

| TAB TITLE | NTP NUMBER | RELEASE NUMBER |
|--|---------------|-------------------|
| System installation 553-3001-210 | 553-3001-210 | 13.00 |

**P0868059 SYSTEM INSTALLATION AND MAINTENANCE GUIDE
MANUAL 2 OF 3**

| TAB TITLE | NTP NUMBER | RELEASE NUMBER |
|--|--------------|----------------|
| General maintenance information 553-3001-500 | 553-3001-500 | 12.00 |
| Fault clearing 553-3001-510 | 553-3001-510 | 10.00 |
| Hardware replacement 553-3001-520 | 553-3001-520 | 13.00 |
| MSDL card 553-3001-195 | 553-3001-195 | 5.00 |
| Digital Clock Controllers Installation and administration 553-3001-111 | 553-3001-111 | 3.00 |

**P0868059 SYSTEM INSTALLATION AND MAINTENANCE GUIDE
MANUAL 3 OF 3**

| TAB TITLE | NTP NUMBER | RELEASE NUMBER |
|---|-----------------------|---------------------------|
| Meridian Integrated Conference Bridge (MICB) Description, installation, administration, and maintenance 553-3001-102 | 553-3001-102 | 1.00 |
| Meridian Integrated RAN (MIRAN) Description, installation, and operation 553-3001-112 | 553-3001-112 | 1.00 |
| Circuit card installation & testing 553-3001-211 | 553-3001-211 | 15.00 |
| M1250 and M2250 Consoles Description 553-2201-117 | 553-2201-117 | 8.00 |
| Telephone and console installation 553-3001-215 | 553-3001-215 | 9.00 |

P0868060 SYSTEM AND SOFTWARE UPGRADE GUIDE

Former editions: R18/Opt. 81 library: P0742038
 R19.10 library: P0744196
 R19.14 library: P0746457
 R19.18 library: P0748298
 R20 library: P0800515
 R21.0x library: P0813967
 R21.1x library: P0820900
 R22 library: P0842659

MANUAL 1 OF 5

| TAB TITLE | NTP NUMBER | RELEASE NUMBER |
|---|--------------|----------------|
| Upgrade overview 553-3001-101 | 553-3001-101 | 7.00 |
| Upgrade engineering 553-3001-150 | 553-3001-150 | 7.00 |
| XN, XT Network Module Expansion 553-2201-156 | 553-2201-156 | 5.00 |
| Disk drive upgrade 553-3001-251 | 553-3001-251 | 6.00 |
| Power monitor/CE auxiliary shelves 553-3001-570 | 553-3001-570 | 3.0 |

**P0868060 SYSTEM AND SOFTWARE UPGRADE GUIDE
 MANUAL 2 OF 5**

| TAB TITLE | NTP NUMBER | RELEASE NUMBER |
|--|--------------|----------------|
| Software conversion procedures 553-2001-320 | 553-2001-320 | 18.00 |
| Upgrade system to X11 release 23 (Through Chapter 3) 553-3001-258 | 553-3001-258 | 2.00 |

**P0868060 SYSTEM AND SOFTWARE UPGRADE GUIDE
MANUAL 3 OF 5**

| TAB TITLE | NTP NUMBER | RELEASE NUMBER |
|--|--------------|----------------|
| Upgrade system installation to X11 release 23 (Chapter 4 to end) 553-3001-258 | 553-3001-258 | 2.00 |

**P0868060 SYSTEM AND SOFTWARE UPGRADE GUIDE
MANUAL 4 OF 5**

| TAB TITLE | NTP NUMBER | RELEASE NUMBER |
|--|--------------|----------------|
| Upgrade system installation through X11 release 21 (Through Chapter 7) 553-3001-250 | 553-3001-250 | 14.00 |

**P0868060 SYSTEM AND SOFTWARE UPGRADE GUIDE
MANUAL 5 OF 5**

| TAB TITLE | NTP NUMBER | RELEASE NUMBER |
|---|---------------|-------------------|
| Upgrade system installation through X11 release 21 (Chapter 8 to end) 553-3001-250 | 553-3001-250 | 14.00 |

**P0868061 REMOTE SERVICE PRODUCTS
(FORMERLY REMOTE PERIPHERAL EQUIPMENT)**

Former editions: R18/Opt. 81 library: None
 R19.10 library: None
 R19.14 library: None
 R19.18 library: None
 R20 library: P0800517
 R21.0x library: P0813969
 R21.1x library: P0820901
 R22 library: P0842660

| TAB TITLE | NTP NUMBER | RELEASE NUMBER |
|---|---|------------------------------|
| Remote Service Products 553-2601-xxx | 553-2601-200 553-2601-200 Appendix 1 553-2601-500 553-2601-500A | 3.0 2.0 3.0 2.0 |
| Fibre Remote IPE 553-3001-020 | 553-3001-020 | 4.00 |
| Carrier Remote IPE 553-3001-021 | 553-3001-021 | 3.00 |
| Fiber Remote Multi-IPE Interface 553-3001-022 | 553-3001-022 | 2.00 |

P0868062 X11 SOFTWARE FEATURES GUIDE

Former editions: R18/Opt. 81 library: P0742040
 R19.10 library: P0744198
 R19.14 library: P0746459
 R19.18 library: P0748300
 R20 library: P0800518
 R21.0x library: P0813953
 R21.1x library: P0820902
 R22 library: P0842661

MANUAL 1 OF 3

| TAB TITLE | NTP NUMBER | RELEASE NUMBER |
|--|--------------|----------------|
| North American Feature Listing 553-3001-012 | 553-3001-012 | 3.00 |
| X11 features and services (A-H) 553-3001-305 | 553-3001-305 | 14.00 |

MANUAL 2 OF 3

| TAB TITLE | NTP NUMBER | RELEASE NUMBER |
|---|--------------|----------------|
| X11 features and services (I-Z, 0-9) 553-3001-305 | 553-3001-305 | 14.00 |

**P0868062 X11 SOFTWARE FEATURES GUIDE
MANUAL 3 OF 3**

| TAB TITLE | NTP NUMBER | RELEASE NUMBER |
|--|-----------------------|---------------------------|
| Traffic measurement 553-2001-450 | 553-2001-450 | 11.00 |
| Call Detail Recording 553-2631-100 | 553-2631-100 | 6.00 |
| Centralized Attendant Service 553-2681-100 | 553-2681-100 | 5.0 |
| Flexible Tones and Digit Switch 553-2711-180 | 553-2711-180 | 6.00 |
| Office Data Administration System 553-2721-100 | 553-2721-100 | 3.0 |

**P0868064 X11 SYSTEM MANAGEMENT OVERVIEW,
APPLICATIONS, SECURITY, AND EMERGENCY SERVICES ACCESS**

Former editions: R18/Opt. 81 library: None
 R19.10 library: P0744199
 R19.14 library: P0868064 (no change)
 R19.18 library: P0746460
 R20 library: P0800519
 R21.0x library: P0813954
 R21.1x library: P0820903
 R22 library: P0842662

| TAB TITLE | NTP NUMBER | RELEASE NUMBER |
|--|--------------|----------------|
| X11 system management overview 553-3001-300 | 553-3001-300 | 4.00 |
| X11 system management applications 553-3001-301 | 553-3001-301 | 6.00 |
| X11 system security management 553-3001-302 | 553-3001-302 | 4.00 |
| Emergency Services Access Product description and administration 553-3001-313 | 553-3001-313 | 1.00 |
| Set-based administration 553-3001-303 | 553-3001-303 | 2.00 |

P0868065 X11 INPUT/OUTPUT GUIDE

Former editions: R18/Opt. 81 library: P0742041
 R19.10 library: P0744200
 R19.14 library: P0746461
 R19.18 library: P0748301
 R20 library: P0800520
 R21.0x library: P0813955
 R21.1x library: P0820904
 R22 library: P0842663

MANUAL 1 OF 4

| TAB TITLE | NTP NUMBER | RELEASE NUMBER |
|--------------|--------------|----------------|
| Introduction | 553-3001-400 | 15.00 |
| LD 1– LD 30 | 553-3001-400 | 15.00 |

MANUAL 2 OF 4

| TAB TITLE | NTP NUMBER | RELEASE NUMBER |
|------------------|--------------|----------------|
| LD 31 – LD 137 | 553-3001-400 | 15.00 |
| Index of prompts | 553-3001-400 | 15.00 |

MANUAL 3 OF 4

| TAB TITLE | NTP NUMBER | RELEASE NUMBER |
|---------------------------|--------------|----------------|
| System messages ACD – INI | 553-3001-411 | 4.00 |

MANUAL 4 OF 4

| TAB TITLE | NTP NUMBER | RELEASE NUMBER |
|--------------------------|--------------|----------------|
| System messages IOD –XMI | 553-3001-411 | 4.00 |

P0868066 X11 DATA FEATURES

Former editions: R18/Opt. 81 library: P0742042
 R19.10 library: P0744201
 R19.14 library: P0868066 (no change)
 R19.18 library: P0746462
 R20 library: P0800521
 R21.0x library: P0800521
 R21.1x library: P0820905
 R22 library: P0820905

| TAB TITLE | NTP NUMBER | RELEASE NUMBER |
|--|--------------|----------------|
| Data services 553-2731-100 | 553-2731-100 | 4.0 |
| QPC723 RILC 553-2731-106 | 553-2731-106 | 4.0 |
| QMT21 High Speed Data Module 553-2731-107 | 553-2731-107 | 5.0 |
| QPC918 High Speed Data Card 553-2731-108 | 553-2731-108 | 3.0 |
| MCU/MCA description 553-2731-109 | 553-2731-109 | 4.0 |
| Transparent Data Networking 553-2731-110 | 553-2731-110 | 2.0 |
| Traffic engineering and configuration 553-2731-151 | 553-2731-151 | 5.0 |

| TAB TITLE | NTP NUMBER | RELEASE NUMBER |
|--|--------------|----------------|
| Data Access Card 553-3001-191 | 553-3001-191 | 4.0 |
| Apple-Macintosh and Hewlett-Packard Interface 553-2731-201 | 553-2731-201 | 1.0 |
| EALU description and installation 553-2731-203 | 553-2731-203 | 3.0 |
| Operation and tests 553-2731-300 | 553-2731-300 | 3.0 |

P0868067 X11 HOSPITALITY FEATURES

Former editions: R18/Opt. 81 library: P0742043
 R19.10 library: P0744202
 R19.14 library: P0800522 (no change)
 R19.18 library: P0746463
 R20 library: P0800522
 R21.0x library: P0800522
 R21.0x library: P0820906
 R22 library: P0849011

| TAB TITLE | NTP NUMBER | RELEASE NUMBER |
|---|--------------|----------------|
| Background Terminal 553-2311-316 | 553-2311-316 | 8.00 |
| Message Center 553-2691-100 | 553-2691-100 | 8.00 |
| Message Registration 553-2701-101 | 553-2701-101 | 4.00 |
| Buffer Interface Protocol Converter 553-2801-100 | 553-2801-100 | 4.00 |
| Property Management System Interface 553-2801-101 | 553-2801-101 | 7.00 |

P0868068 NETWORKING FEATURES

Former editions: R18/Opt. 81 library: P0742044
 R19.10 library: P0744203
 R19.14 library: P0744203(no change)
 R19.18 library: P0746464
 R20 library: P0800523
 R21.0x library: P0813956
 R21.1x library: P0820907
 R22 library: P0842664

MANUAL 1 OF 3

| TAB TITLE | NTP NUMBER | RELEASE NUMBER |
|---|--------------|----------------|
| ESN description 309-3001-100 | 309-3001-100 | 8.00 |
| ESN engineering 309-3001-180 | 309-3001-180 | 3.0 |
| ESN transmission 309-3001-181 | 309-3001-181 | 3.0 |
| BARS/NARS description 553-2751-100 | 553-2751-100 | 9.00 |
| Network Queuing description 553-2751-101 | 553-2751-101 | 3.0 |
| Coordinated Dialing Plan description 553-2751-102 | 553-2751-102 | 4.0 |

| TAB TITLE | NTP NUMBER | RELEASE NUMBER |
|---|--------------|----------------|
| Basic and Network Authorization Code 553-2751-103 | 553-2751-103 | 6.00 |
| Flexible Numbering Plan 553-2751-105 | 553-2751-105 | 5.00 |
| DTI description 553-2811-100 | 553-2811-100 | 4.0 |
| DTI installation 553-2811-200 | 553-2811-200 | 6.0 |
| DTI maintenance 553-2811-500 | 553-2811-500 | 4.0 |
| Feature Group D 553-2901-102 | 553-2901-102 | 2.0 |

**P0868068 NETWORKING FEATURES, ISDN PRIMARY RATE
INTERFACE
MANUAL 2 OF 3**

| TAB TITLE | NTP NUMBER | RELEASE NUMBER |
|---|---------------|-------------------|
| ISDN PRI description 553-2901-100 | 553-2901-100 | 14.00 |

**P0868068 NETWORKING FEATURES, ISDN PRIMARY RATE
INTERFACE
MANUAL 3 OF 3**

| TAB TITLE | NTP NUMBER | RELEASE NUMBER |
|--|---------------|-------------------|
| ISDN PRI installation 553-2901-200 | 553-2901-200 | 11.00 |
| ISDN PRI maintenance 553-2901-500 | 553-2901-500 | 11.00 |

P0868069 ISDN BASIC RATE INTERFACE

Former editions: R18/Opt. 81 library: P0744046
 R19.10 library: P0744204
 R19.14 library: P0744204(no change)
 R19.18 library: P0746465
 R20 library: P0800524
 R21.0x library: P0813957
 R21.1x library: P0820908
 R22 library: P0842665

| TAB TITLE | NTP NUMBER | RELEASE NUMBER |
|---|--------------|----------------|
| ISDN BRI description 553-3901-100 | 553-3901-100 | 5.00 |
| ISDN BRI installation 553-3901-200 | 553-3901-200 | 5.00 |
| ISDN BRI administration 553-3901-300 | 553-3901-300 | 5.00 |
| ISDN BRI acceptance test 553-3901-330 | 553-3901-330 | 5.00 |
| ISDN BRI maintenance 553-3901-500 | 553-3901-500 | 5.00 |

P0868071 AUTOMATIC CALL DISTRIBUTION REFERENCE GUIDE

Former editions: R18/Opt. 81 library: P0742045
 R19.10 library: P0744205
 R19.14 library: P0744205(no change)
 R19.18 library: P0746466
 R20 library: P0800525
 R21.0x library: P0813958
 R21.1x library: P0820909

| TAB TITLE | NTP NUMBER | RELEASE NUMBER |
|--|--------------|----------------|
| ACD features description 553-2671-110 | 553-2671-110 | 5.00 |
| ACD management commands and reports 553-2671-112 | 553-2671-112 | 4.00 |
| Network ACD 553-3671-120 | 553-3671-120 | 8.00 |

STAND-ALONE NTPS

Use this section to locate NTPs that can be ordered as individual items, in addition to being shipped as noted.

| PO NUMBER | PUBLICATION TITLE | NTP NUMBER | RELEASE NUMBER | NOTES |
|------------------|--|-------------------|-----------------------|--------------------------------|
| P0872703 | NT5D61 IODU/C reference guide | N/A | 1.00 | |
| P0800553 | Power monitor/ common equipment auxiliary shelves | 553-3001-570 | 3.0 | shipped with equipment |
| P0800554 | NT6D82 Power System Description, installation, and maintenance | 553-3001-110 | 3.0 | shipped with equipment |
| P0802241 | AUTOVON Reference guide | 553-2661-110 | 3.0 | shipped with SW package #68 |
| P0815404 | Line side T1 interface Description, installation and maintenance | N/A | N/A | |
| P0868052 | CP Card field memory upgrade procedure | N/A | N/A | shipped with equipment |
| P0819765 | Network Hybrid Installation procedure | N/A | N/A | shipped with equipment |

CONDENSED GUIDES

Use this section to locate condensed spiral-bound guides that can be ordered as individual documents. A spiral-bound guide is a task-oriented document that has color-coded, plastic spiral binding for easier identification.

Following this list is a more detailed description of each document.

| PO NUMBER | TITLE | SPIRAL COLOR | NOTES |
|------------------|--|---------------------|--------------------------------|
| P0868044 | System installation and maintenance | blue | 2 spirals |
| P0868045 | Switch settings, card and product compatibility | blue | 1 spiral |
| P0868046 | Software conversion procedures | white | 1 spiral shipped with upgrades |
| P0868047 | X11 Feature Document | white | 1 spiral Size: 8.5 x 11 |
| P0868049 | X11 maintenance programs | purple | 1 spiral shipped with software |
| P0868050 | X11 administration programs | purple | 1 spiral shipped with software |
| P0868051 | X11 system messages | purple | 1 spiral shipped with software |
| P0868048 | X11 system management overview, applications, and security | purple | 1 spiral |

P0868044 SYSTEM INSTALLATION AND MAINTENANCE

These two spiral-bound guides are a subset of the Installation manual and are shrink-wrapped together.

Former editions: R19 library: P0748305
 R20 library: P0800561
 R21.0x library: P0813971
 R21.1x library: P0820910
 R22 library: P0842839

MANUAL 1: INSTALLATION

| TAB TITLE | NTP NUMBER | RELEASE NUMBER |
|--|---------------|-------------------|
| System installation 553-3001-210 | 553-3001-210 | 13.00 |
| Circuit card installation & testing 553-3001-211 | 553-3001-211 | 15.00 |
| Telephone and console installation 553-3001-215 | 553-3001-215 | 9.00 |

MANUAL 2: MAINTENANCE

| TAB TITLE | NTP NUMBER | RELEASE NUMBER |
|--|--------------|----------------|
| General maintenance information 553-3001-500 | 553-3001-500 | 12.00 |
| Fault clearing 553-3001-510 | 553-3001-510 | 9.00 |
| Hardware replacement 553-3001-520 | 553-3001-520 | 12.00 |

P0868045 SWITCH SETTINGS, CARD AND PRODUCT COMPATIBILITY

This spiral-bound guide contains information from the Circuit card installation and testing and Equipment ID NTPs.

Former editions: R19 library: P0748306
 R20 library: P0800562
 R21.0x library: P0813972
 R21.1x library: P0820911
 R22 library: P0842840

| TAB TITLE | NTP NUMBER | RELEASE NUMBER |
|--------------------------------|--------------|----------------|
| Equipment identification (USA) | 553-3001-154 | 15.00 |
| Product compatibility | 553-3001-156 | 8.00 |
| Switch settings | 553-3001-211 | 15.00 |

P0868046 X11 SOFTWARE CONVERSION PROCEDURES

Former editions: R19 library: P0748304
 R20 library: P0800556
 R21.0x library: P0813959
 R21.1x library: P0813959
 R22 library: P0842841

| TAB TITLE | NTP NUMBER | RELEASE NUMBER |
|------------------------------------|--------------|----------------|
| X11 software conversion procedures | 553-2001-320 | 18.00 |

P0868047 FEATURE DOCUMENT X11 RELEASE 21

This spiral is printed on 8-1/2 x 11 inch stock and is a subset of the X11 software features guide.

Former editions: R19 library: P0748304
 R20 library: P0800557
 R21.0x library: P0813960
 R21.1x library: P0820913
 R22 library: P0842842

| TAB TITLE | NTP NUMBER | RELEASE NUMBER |
|----------------------|------------------------------|----------------|
| X11 feature document | Created from 553-3001-305 | 14.00 |

P0868049 X11 MAINTENANCE PROGRAMS

This is a subset of the X11 input/output guide.

Former editions: R19 library: P0722422
R20 library: P0800559
R21.0x library: P0813962
R21.1x library: P0820914
R22 library: P0842843

| TAB TITLE | NTP NUMBER | RELEASE NUMBER |
|--------------------------|------------------------------|----------------|
| Introduction | 553-3001-400 | 15.00 |
| X11 maintenance overlays | Created from 553-3001-400 | 15.00 |

P0868050 X11 ADMINISTRATION PROGRAMS AND FEATURE IMPLEMENTATION

This is a subset of the X11 input/output guide and the X11 features and services document.

Former editions: R19 library: P07224231
 R20 library: P0800600
 R21.0x library: P0813964
 R21.1x library: P0820915
 R22 library: P0842844

| TAB TITLE | NTP NUMBER | RELEASE NUMBER |
|-----------------------------|--------------------------|-----------------------|
| Introduction | 553-3001-400 (subset) | 15.00 |
| X11 administration overlays | 553-3001-400 (subset) | 15.00 |

P0868051 X11 SYSTEM MESSAGES

This is a subset of the X11 input/output guide.

Former editions: R19 library: P0748304
 R20 library: P0800558
 R21.0x library: P0813961
 R21.1x library: P0820916
 R22 library: P0842845

| TAB TITLE | NTP NUMBER | RELEASE NUMBER |
|---------------------|------------------------------|-----------------------|
| X11 system messages | Created from 553-3001-411 | 4.00 |

**P0868048 X11 SYSTEM MANAGEMENT OVERVIEW,
APPLICATIONS, SECURITY, AND EMERGENCY SERVICES ACCESS**

This is a subset of the X11 system management guide.

Former editions: R19 library: P0746472
 R20 library: P0800560
 R21.0x library: P0813963
 R21.1x library: P0820917
 R22 library: P0849012

| TAB TITLE | NTP NUMBER | RELEASE NUMBER |
|------------------------------------|--------------|----------------|
| X11 system management overview | 553-3001-300 | 4.00 |
| X11 system management applications | 553-3001-301 | 6.00 |
| X11 system security management | 553-3001-302 | 3.00 |
| Emergency Services Access | 553-3001-313 | 1.00 |

USER GUIDE/REFERENCE GUIDE LIST

Use this section to locate currently available telephone and console user guides, quick reference cards, and NTP condensed documents.

TABLE 1
USER GUIDE/REFERENCE GUIDE LIST (PART 1 OF 2)

| PO NUMBER | PUBLICATION TITLE |
|------------------|--|
| P0661883 | Asynchronous Data user guide |
| P0667329 | Attendant Administration user guide |
| P0677591 | Single-Line Telephone quick reference card |
| P0677592 | Multi-Line Telephone quick reference card |
| P0687153 | RS-232 user guide |
| P0690763 | M2317 quick reference card |
| P0696749 | High Speed Data Module user guide |
| P0702800 | Attendant Administration quick reference card |
| P0704096 | Meridian Modular Telephone Display quick reference card |
| P0705986 | Meridian Programmable Data Adaptor user guide |
| P0706836 | M2250 Display Module installation quick reference card |
| P0706875 | Busy Lamp Field/Console Graphics Module user guide |
| P0707561 | Attendant Console Stand installation quick reference card |
| P0713593 | Attendant Supervisory Module installation quick reference card |
| P0728490 | Guest Wake-Up quick reference card |
| P0735534 | M1250/2250 Attendant Console quick reference card |
| P0738417 | ACD Package-C Supervisor's user guide |

TABLE 1
 USER GUIDE/REFERENCE GUIDE LIST (PART 2 OF 2)

| PO NUMBER | PUBLICATION TITLE |
|-----------|--|
| P0740427 | Background Terminal user guide |
| P0743656 | Meridian MAX 5 Supervisor's reference guide |
| P0743664 | Meridian MAX 5 Supervisor's user guide |
| P0743724 | MCA/MCU |
| P0744255 | ACD 500-type telephone quick reference card |
| P0744256 | M2216 quick reference card |
| P0744258 | ACD Agent user guide |
| P0744260 | M2317 user guide |
| P0744261 | M3000 Touchphone user guide |
| P0744262 | Regular Telephone user guide |
| P0747008 | Customer Controlled Routing user guide |
| P0800567 | 500/2500 Telephones user guide |
| P0813948 | ACD Supervisor's telephone user guide |
| P0813950 | Standard Telephone user guide |
| P0815252 | Meridian Modular Telephone quick reference guide |
| P0820918 | Meridian Modular Telephone user guide |
| P0834424 | M2216ACD telephone user guide |
| P0834426 | M1250/2250 Attendant Console user guide |
| P0859508 | Meridian Communications Adapter user guide |

RETIRED NTP LIST

Use this list to locate publications that have been retired from the current Meridian 1 NTP library. They will no longer be revised or included with new or updated library shipments. Note, however, that some of the documents have been merged with or replaced by other NTPs.

TABLE 2
RETIRED NTP LIST (PART 1 OF 9)

| NTP NUMBER | FINAL RELEASE NUMBER | FINAL RELEASE DATE | PUBLICATION TITLE | RETIREMENT NOTES |
|-------------------|-----------------------------|---------------------------|--|--------------------------|
| 553-2001-110 | 2.0 | 12/01/91 | SL-1 telephones and add-on modules description | Replaced by 553-3001-108 |
| 553-2001-115 | 2.0 | 07/12/91 | Attendant console and add-on modules description | Replaced by 553-2201-117 |
| 553-2001-187 | 2.0 | 12/01/91 | QPC71 E&M/DX Signaling and Paging Trunk Card description | Merged with 553-3001-106 |
| 553-2001-188 | 2.0 | 12/01/91 | Recorded telephone dictation trunk cards description | Merged with 553-3001-105 |
| 553-2001-190 | 2.0 | 12/01/91 | QPC237 4-Wire E&M/DX Trunk Card description | Merged with 553-3001-106 |
| 553-2001-225 | — | 09/02/77 | Miscellaneous equipment cable connections | |
| 553-2031-253 | 1.0 | 08/10/90 | Converting LE to NT | |
| 553-2031-254 | 1.0 | 08/10/90 | Converting LE to ST | |
| 553-2041-254 | 1.0 | 08/10/90 | Converting A to ST | |
| 553-2051-254 | 1.0 | 08/10/90 | Converting M to ST | |

TABLE 2
RETIRED NTP LIST (PART 2 OF 9)

| NTP NUMBER | FINAL RELEASE NUMBER | FINAL RELEASE DATE | PUBLICATION TITLE | RETIREMENT NOTES |
|-------------------------|-----------------------------|---------------------------|--|--------------------------|
| 553-2121-253 | 1.0 | 08/10/90 | Converting VLE and XL to XT | |
| 553-2201-110 | 2.0 | 12/01/91 | Meridian M2000 Digital Telephones description and specifications | Replaced by 553-3001-108 |
| 553-2201-113 | 2.0 | 12/01/91 | Meridian M2317 Telephone | Replaced by 553-3001-108 |
| 553-2201-115 | 2.0 | 2/01/91 | Meridian M3000 Touchphone description and specifications | Replaced by 553-3001-108 |
| 553-2201-116 | 5.0 | 12/31/92 | Meridian Modular Telephones description and specifications | Replaced by 553-3001-108 |
| 553-2201-151 | 1.0 | 08/10/90 | ST, RT, NT, XT system engineering | |
| 553-2201-151 Appendix 1 | 5.0 | 07/12/91 | X11 memory calculations | Replaced by 553-3001-149 |
| 553-2201-152 | 1.0 | 09/30/86 | ST, RT, NT, XT cutover procedures | |
| 553-2201-153 | 2.0 | 06/01/90 | ST, RT, NT, XT equipment identification | |
| 553-2201-181 | 1.0 | 12/20/89 | ST, RT, NT, XT spares planning | |
| 553-2201-183 | 3.0 | 12/01/91 | 500/2500 line cards description and operation | Merged with 553-3001-105 |

TABLE 2
RETIRED NTP LIST (PART 3 OF 9)

| NTP NUMBER | FINAL RELEASE NUMBER | FINAL RELEASE DATE | PUBLICATION TITLE | RETIREMENT NOTES |
|-------------------|-----------------------------|---------------------------|--|--------------------------|
| 553-2201-184 | — | 12/31/92 | SL-1 line cards description | |
| 553-2201-185 | 2.0 | 12/01/91 | CO/FX/WATS trunks description | Merged with 553-3001-106 |
| 553-2201-186 | 2.0 | 12/01/91 | QPC449 Loop Signaling Trunk Card | Merged with 553-3001-106 |
| 553-2201-189 | 1.0 | 08/10/90 | ST, RT, NT, XT power engineering | |
| 553-2201-192 | 3.0 | 12/31/92 | QPC513 Enhanced Serial Data Interface Card Description | Replaced by 553-3001-107 |
| 553-2201-193 | 2.0 | 12/01/91 | QPC578 Integrated Services Digital Line Card description | Merged with 553-3001-105 |
| 553-2201-194 | 4.0 | 12/01/91 | QPC74 Recorded Announcement Trunk Card description | Merged with 553-3001-106 |
| 553-2201-195 | 2.0 | 12/01/91 | QPC841 Quad Serial Data Interface Card Description | Replaced by 553-3001-107 |
| 553-2201-200 | 1.0 | 08/10/90 | NT, XT general installation information | |
| 553-2201-230 | — | 09/88 | Acceptance test manual | |
| 553-2201-500 | 1.0 | 08/10/90 | NT, XT general maintenance information | |
| 553-2221-253 | 1.0 | 08/10/90 | Converting N to NT | |

TABLE 2
RETIRED NTP LIST (PART 4 OF 9)

| NTP NUMBER | FINAL RELEASE NUMBER | FINAL RELEASE DATE | PUBLICATION TITLE | RETIREMENT NOTES |
|-------------------|-----------------------------|---------------------------|---|-------------------------|
| 553-2231-253 | 1.0 | 08/10/90 | Converting XN to XT | |
| 553-2241-254 | 1.0 | 08/10/90 | Converting S to ST | |
| 553-2261-254 | 1.0 | 08/10/90 | Converting MS to ST | |
| 553-2401-100 | 1.0 | 08/10/90 | NT system overview | |
| 553-2401-210 | — | 12/88 | NT installation procedures | |
| 553-2401-251 | 1.0 | 8/10/90 | Converting NT to XT | |
| 553-2401-510 | — | 07/88 | Maintenance Manual I Fault clearing procedures for the NT | |
| 553-2411-100 | 1.0 | 08/10/90 | XT system overview | |
| 553-2411-210 | — | 06/88 | XT installation procedures | |
| 553-2411-510 | — | 07/88 | Maintenance Manual I Fault clearing procedures for the XT | |
| 553-2421-254 | 1.0 | 8/10/90 | Converting SN to ST | |
| 553-2431-100 | 1.0 | 08/10/90 | ST system overview | |
| 553-2431-200 | 1.0 | 08/10/90 | ST general installation information | |
| 553-2431-210 | — | 02/88 | ST installation procedures | |
| 553-2431-230 | — | 09/87 | Acceptance test manual for the ST | |
| 553-2431-250 | 1.0 | 08/10/90 | Converting ST to RT | |

TABLE 2
RETIRED NTP LIST (PART 5 OF 9)

| NTP NUMBER | FINAL RELEASE NUMBER | FINAL RELEASE DATE | PUBLICATION TITLE | RETIREMENT NOTES |
|-------------------|-----------------------------|---------------------------|--|--------------------------|
| 553-2431-500 | 1.0 | 08/10/90 | ST general maintenance information | |
| 553-2431-510 | — | 02/88 | Maintenance Manual I Fault clearing procedures for ST | |
| 553-2441-100 | 1.0 | 08/10/90 | RT system overview | |
| 553-2441-200 | 1.0 | 08/10/90 | RT general installation information | |
| 553-2441-210 | — | 06/01/88 | RT installation procedures | |
| 553-2441-230 | — | 06/01/88 | Acceptance test manual for the RT | |
| 553-2441-500 | 1.0 | 08/10/90 | RT general maintenance information | |
| 553-2441-510 | — | 06/01/88 | Maintenance Manual I Fault clearing procedures for the RT | |
| 553-2611-200 | 7.0 | December 1994 | Automatic Number Identification Description | Merged with 553-3001-305 |
| 553-2631-110 | 1.0 | 07/23/82 | Call Detail Recording storage systems description | Merged with 553-2631-100 |
| 553-2631-210 | 1.0 | 07/23/82 | Call Detail Recording storage systems installation | Merged with 553-2631-100 |

TABLE 2
RETIRED NTP LIST (PART 6 OF 9)

| NTP NUMBER | FINAL RELEASE NUMBER | FINAL RELEASE DATE | PUBLICATION TITLE | RETIREMENT NOTES |
|-------------------|-----------------------------|---------------------------|---|--------------------------|
| 553-2631-310 | 1.0 | 07/23/82 | Call Detail Recording storage systems operation | Merged with 553-2631-100 |
| 553-2631-510 | 1.0 | 07/23/82 | Call Detail Recording fault clearing procedures | Merged with 553-2631-100 |
| 553-2641-100 | — | — | RAN trunk description | Replaced by 553-2201-194 |
| 553-2661-101 | 1.0 | 10/31/83 | AUTOVON feature description | Merged with 553-2661-110 |
| 553-2661-181 | — | 09/30/83 | AUTOVON interface description and operation | Merged with 553-2661-110 |
| 553-2661-301 | 1.0 | 12/01/87 | AUTOVON attendant console and telephone operation | Merged with 553-2661-110 |
| 553-2671-100 | 5.0 | 12/31/92 | Automatic Call Distribution basic features description | Replaced by 553-2671-110 |
| 553-2671-101 | 5.0 | 12/31/92 | Automatic Call Distribution advanced features description | Replaced by 553-2671-110 |
| 553-2671-102 | 5.0 | 12/31/92 | Automatic Call Distribution management reports | Replaced by 553-2671-112 |
| 553-2671-103 | 5.0 | 12/31/92 | Automatic Call Distribution load management reports | Replaced by 553-2671-112 |

TABLE 2
RETIRED NTP LIST (PART 7 OF 9)

| NTP NUMBER | FINAL RELEASE NUMBER | FINAL RELEASE DATE | PUBLICATION TITLE | RETIREMENT NOTES |
|-------------------------|-----------------------------|---------------------------|--|-------------------------|
| 553-2671-104 | 1.0 | 07/07/89 | ACD-D description | Product MDd |
| 553-2671-105 | 1.0 | 07/07/89 | ACD-D description of management reports and displays | Product MDd |
| 553-2671-106 | 1.0 | 08/10/90 | ACD-D networking description, installation and operation | Product MDd |
| 553-2671-151 | 1.0 | 07/18/89 | ACD-D feature engineering | Product MDd |
| 553-2671-151 Appendix 1 | 1.0 | 07/07/89 | ACD-D ordering information | |
| 553-2671-200 | 1.0 | 07/07/89 | ACD-D interface and software installation | Product MDd |
| 553-2671-300 | 1.0 | 06/06/80 | ACD-D basic features operation and tests | |
| 553-2671-301 | 2.0 | 02/87 | ACD-D advanced features operation and tests | |
| 553-2671-304 | 1.0 | 07/07/89 | ACD-D telephone set operation and tests | Product MDd |
| 553-2671-310 | 1.0 | 07/07/89 | ACD-D administration of ACD customers | Product MDd |
| 553-2671-500 | 1.0 | 07/07/89 | ACD-D maintenance guidelines | Product MDd |

TABLE 2
RETIRED NTP LIST (PART 8 OF 9)

| NTP NUMBER | FINAL RELEASE NUMBER | FINAL RELEASE DATE | PUBLICATION TITLE | RETIREMENT NOTES |
|----------------------------|-----------------------------|---------------------------|---|---|
| 553-2731-101 | 1.0 | 10/15/86 | Meridian Data Services COAX Elimination description | Product MDd |
| 553-2731-180 | 1.0 | 11/02/84 | Meridian Data Services engineering description and characteristics | Replaced by 553-2731-100 553-2731-151 |
| 553-2731-200 | 1.0 | 11/02/84 | Meridian Data Services installation and configuration | Replaced by 553-2731-151 553-2731-300 |
| 553-2731-200 Appendix 1 | — | 02/28/85 | Xerox Ethernet System Interface installation | Product MDd |
| 553-2731-200 Appendix 2 | — | 04/24/85 | Apple-Macintosh Interface installation | Merged with 553-2731-201 |
| 553-2731-200 Appendix 3 | — | 11/06/87 | Hewlett-Packard Interface installation | Merged with 553-2731-201 |
| 553-2731-200 Appendix 4 | — | 11/06/87 | Zenith PC Interface installation | Product MDd |
| 553-2731-201 | 1.0 | December 1994 | Meridian SL-1 data feature Installation Apple and Hewlett-Packard | Product MDd |
| 553-2731-202 | 1.0 | 08/15/86 | Meridian Data Services Asynchronous Interface Line Unit description and installation | Product MDd |

TABLE 2
RETIRED NTP LIST (PART 9 OF 9)

| NTP NUMBER | FINAL RELEASE NUMBER | FINAL RELEASE DATE | PUBLICATION TITLE | RETIREMENT NOTES |
|-------------------|-----------------------------|---------------------------|---|-----------------------------|
| 553-2731-301 | 1.0 | 11/13/84 | Meridian Data Services COAX Elimination operation and tests | Product MDd |
| 553-2751-104 | 3.0 | December 1994 | Automatic Trunk Maintenance Description | Merged with 553-3001-305 |
| 553-2831-100 | 4.0 | December 1994 | Multi-Tenant service Description | Merged with 553-3001-305 |
| 553-2901-300 | 4.0 | 12/01/90 | ISDN Primary Rate Interface administration | Merged with 553-2901-100 |
| 553-3001-161 | 3.0 | 12/01/91 | NT8D03 Analog Line Card description | |
| 553-3001-162 | 3.0 | 12/01/91 | NT8D02 Digital Line Card description | Merged with 553-3001-105 |
| 553-3001-163 | 4.0 | 12/31/92 | NT8D09 Analog Message Waiting Line Card description | Merged with 553-3001-105 |
| 553-3001-171 | 5.0 | 08/01/93 | NT8D14 Universal Trunk Card description | Merged with 553-3001-106 |
| 553-3001-172 | 4.0 | 08/01/93 | NT8D15 E&M Trunk Card description | Merged with 553-3001-106 |
| 553-3001-181 | 2.0 | 12/01/91 | NT8D41 Serial Data Interface Paddle Board Description | Replaced by 553-3001-107 |

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