

Operations Support Systems Operation, Maintenance, and Administration

1. Purpose

- 1.01** This index provides a listing of documents in Division 190.
- 1.02** This index reverted to Issue 1 in July 1985. Prior to that date there had been 99 issues of the index.

2. How to Use This Index

- 2.01** For additional index information, refer to *AT&T Master Index — 9-digit Numbered Documents* AT&T 000-000-002. The Master Index contains all divisional indexes.

3. Conventions Used

- 3.01** A bullet (●) indicates an item that has been added or changed since the previous issue of the index.
- 3.02** An open square (□) indicates a cancelled item. Information relating to the cancellation, if necessary, will be shown in a note following the item. Cancelled items and related notes will be deleted upon reissue of the index.
- 3.03** A square with an enclosed "A" (◻A) indicates an archived item. An archived document is one that, in all probability, will never be revised and/or has had no distribution activity for an extended period of time. Archived documents can be ordered.

- 3.04** A solid square (■) indicates that distribution of this item is limited.
- 3.05** A solid circle with an enclosed "1" (●1) indicates an item that will not be distributed on standing order.
- 3.06** A solid triangle (▲) indicates a TOP (Task Oriented Practice).
- 3.07** An electronic media symbol (⌂) indicates an item is available on CD-ROM, magnetic tape, or other electronic media.
- 3.08** Addendums, revisions, and supplements are listed *above* the associated document. Appendixes are listed *under* the associated document.

4. How to Order Documentation

- 4.01** To order this document:
- Within the continental United States, call 1-800-432-6600.
 - In Canada, call 1-800-256-1242.

5. How to Comment on This Index

- 5.01** AT&T values your opinion. We would like to know how well the index meets your needs.

Please send comments on this index to:

AT&T Number Assignment Administrator
2400 Reynolda Rd., Department 4051
Winston-Salem, NC 27106-4696

6. Contents of Division

6.01 This division is arranged in layers as follows:

190-0 Index and Equipment Test Lists

- 000 Index
- 001 Equipment Test Lists
- 099 Customer Information Releases (CIRs)

190-1 Operational Support Systems

- 101 CMS (Circuit Maintenance System 3A)
- 102 CAROT (Centralized Automatic Reporting on Trunks) 2/Generic 2 (Centralized Automatic Reporting on Trunks)
- 103 CAROT 2/Generic 3 (2CAROT3) and Generic 4 (2CAROT4) (Centralized Automatic Reporting on Trunks)
- 104 RTTU/CTTU (Remote Trunk Test Unit/Central Trunk Test Unit)
- 105 ATA (Automatic Trouble Analysis)
- 106 MDT (Maintenance Data Transmitter)
- 107 Programmable Scanner/Distributor — ATA (Automatic Trouble Analysis)
- 108 TREAT (Trouble Report Evaluation and Analysis Tool) System
- 110 No. 2 — Applications
- 130 SCC (Switching Control Centers)
- 135 BILLDATS II Collector
- 140 Frame Control Center — Frame Work Station

190-2 Surveillance and Control Systems

- 200 TCAS (T Carrier Administration System)
- 201 Alarm Centers
- 202 FMAC (Facility Maintenance and Administration Center)
- 203 SFMAC (Satellite Facility Maintenance Administration Center)
- 205 SCOTS (Surveillance and Control of Transmission Systems)

- 206 TMAS
- 207 COMPULERT
- 208 TRANSVU II Network Surveillance and Control Systems
- 209 ACORN Network Control System
- 210 TASC (Telecommunications Alarm Surveillance and Control) System
- 211 DACSCAN™
- 215 TOPAS (Testing Operation Provisioning Administration System)
- 216 CONNECTVU
- 220 RMMS (Regional Maintenance Management System)

190-3 Central Office Maintenance Management

- 305 COMMS (Central Office Maintenance Management System) — Preventive Maintenance
- 306 SCANS (Software Change Administration and Notification System)

190-4 Network Operations Systems

- 401 NSC (Network Service Center)
- 402 LSU (Local Storage Unit) and CMDR (Centralized Message Detail Recorder)
- 406 NTMS (Network Traffic Management System)
- 407 FASTAR (Fast Automatic Restoration)
- 408 MFOS (Multifunction Operations Systems)
- 422 TNM (Total Network Management)

190-5 Engineering and Administration Systems

- 510 EADAS (Engineering and Administrative Data Acquisition System)
- 511 EADAS 1A (Engineering and Administrative Data Acquisition System — 1A)
- 512 EADAS/NORGEN (Engineering and Administrative Data Acquisition System — Network Operations Report Generator)
- 514 SONDs (Small Office Network Data System) and PDT-2A (Pollable Data Terminal No. 2A)
- 519 NAC (Network Administration Center)
- 520 COSMOS (Computer System for Main Frame Operations) — Network Administration
- 521 RMAS (Remote Memory Administration System) and RMAP (Remote Memory Administration Position)
- 540 EADAS/NM (Engineering and Administrative Data Acquisition System/Network Management)

190-7 Integrated and Force Administration System**-701 IFFAS (Integrated Facilities and Force Administration System)****7. Index**

Number	Issue	Subject
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190-0 Index and Equipment Test Lists**190-000 Index**

- 190-000-000 45 Numerical Index — Division 190
— Operations Support Systems
— Operation, Maintenance, and Administration

190-001 Equipment Test Lists

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| 190-001-011 | 7 | Engineering and Administration Data Acquisition System (EA-DAS) |
| 190-001-012 | 1 | Automatic Trouble Analysis (ATA) — Operations Support and Processors |
| 190-001-013 | 1 | Automatic Trouble Reporting System (ATRS) — Operations Support and Processors |
| 190-001-014 | 2 | No. 2 Switching Control Center System |
| 190-001-015 | 1 | Centralized Automatic Reporting On Trunks (CAROT) Operations |
| 190-001-016 | 1 | Integrated Facilities and Force Administration (IFFAS) — Operations Support and Processors |
| 190-001-017 | 1 | T-Carrier Administration System (TCAS) — Operations Support and Processors |

190-099 Customer Information Releases (CIRs)

- | | | |
|---------------|---|---|
| 190-099-011TD | 4 | COMPULERT™ Computer Administration System, Operations Systems |
| 190-099-015TD | 4 | MACSTAR® I Software, End Customer Management System (ECMS), Operations Systems |
| 190-099-040TD | 3 | MACSTAR II Software End Customer Management System (ECMS), Operations Systems |
| 190-099-053TD | 1 | SCCS 2B Host Generic 12 and Control Equipment No. 3 Generic 3, Operations Systems |

Number	Issue	Subject
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190-1 Operational Support Systems**190-101 CMS (Circuit Maintenance System 3A)****General Description**

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| 190-101-100 | 3 | Special Service Center (SSC) |
| 190-101-110 | 1 | Software |
| 190-101-112 | 1 | Circuit Identification (CID) Reconciliation Guidelines |
| 190-101-113 | 2 | Data Merge Guidelines for TIRKS and SSS Load Tapes |
| 190-101-120 | 2 | Features |

Terminal Commands — Special Service Center

- | | | |
|-------------|---|---|
| 190-101-125 | 3 | Indexes |
| 190-101-130 | 3 | 000 Through 099 — Logon/Logoff and System Administration Commands |
| 190-101-131 | 3 | 100 Through 199 — Activation and Deactivation Applications |
| 190-101-132 | 3 | 200 Through 299 — Work List Applications |
| 190-101-133 | 3 | 300 Through 399 — Maintenance Manual Entry Commands |
| 190-101-134 | 3 | 400 Through 499 — Document Access Commands |
| 190-101-135 | 3 | 500 Through 599 — Installation Manual Entry Commands Applications |

Addendum

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|-------------|---|--|
| 190-101-137 | 1 | 700 Through 799 — Interface Message Applications |
| 190-101-138 | 3 | 800 Through 899 — Job Aids |
| 190-101-139 | 3 | 900 Through 999 — Administrative Reports |

System Messages and Operation

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|-------------|---|--|
| 190-101-150 | 2 | System Output Messages — Special Service Center |
| 190-101-160 | 3 | System Administration Functions — Special Service Center |
| 190-101-161 | 1 | Analysis Report Generator — Description |
| 190-101-162 | 1 | Report Generator — Description |
| 190-101-170 | 3 | System Operator — Description and Operating Procedures |
| 190-101-175 | 1 | Operations Systems — MMOC Operator's Handbook |
| 190-101-180 | 2 | Maintenance, Trouble Analysis, and Correction |

Number	Issue	Subject
190-102 CAROT 2/Generic 2 (Centralized Automatic Reporting on Trunks)		
190-102-010	2	TOSC Operations and Administration
190-102-015	3	Analysis of Test Results — CAROT Center and Remote User
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190-102-100	3	General System Description
Addendum	1	
190-102-103	1	Remote-User Terminal — Description and Operation
Addendum	1	
190-102-201	1	Data Base Administration
Addendum	1	
190-102-202	2	CAROT 2 Controller Administration
Addendum	2	
190-102-203	2	Data Base (Generic 2) — Description and Requirements
Addendum	1	
190-102-204	1	Circuit Order Activity — Implementation and Description
Addendum	1	
190-102-205	1	Test Editor Program
Addendum	1	
190-102-206	2	SELEC Program
190-102-207	1	Report Program Generator (RPG)
▲190-102-301	2	Controller — Generic 2, Issue 3 — Operating Procedures
▲190-102-305	2	Remote User Terminal Operating Procedures
190-102-500	3	System Trouble-Locating Procedures
190-102-501	2	Generic 2, Issue 5 — System Recovery Strategy
190-102-502	1	Remote-User Port Diagnostic Test Descriptions

Number	Issue	Subject
190-103 CAROT 2/Generic 3 (2CAROT3), Generic 4 (2CAROT4), Generic 5 (2CAROT5) and Generic 6 (2CAROT6) (Centralized Automatic Reporting on Trunks)		
190-103-001	1	Centralized Automatic Reporting On Trunks (CAROT) 2CAROT6 — Controller User's Guide (1-93). This manual includes the binder and tabs for practices 190-103-011, 190-103-232, 190-103-231, 190-103-234, 190-103-135, 190-103-522, 190-103-521, and 190-103-520
190-103-002	1	Centralized Automatic Reporting On Trunks (CAROT) 2CAROT6 — Remote User's Terminal Guide (1-93). This manual includes the binder and tabs for practices 190-103-012, 190-103-133, and 190-103-234
190-103-003	1	Centralized Automatic Reporting On Trunks (CAROT) 2CAROT6 — Controller/Remote User's Guide (1-93). This manual includes the binder and tabs for practices 190-103-013, 190-103-130, 190-103-236, 190-103-235, 190-103-233, 190-103-019, 190-103-237, and 190-103-240
190-103-011	1	Centralized Automatic Reporting On Trunks (CAROT) 2CAROT6 Controller User's Guide— Introduction (1-93)
190-103-012	1	Centralized Automatic Reporting On Trunks (CAROT) 2CAROT6 Remote User's Terminal Guide— Introduction (1-93)
190-103-013	1	Centralized Automatic Reporting On Trunks (CAROT) 2CAROT6 Controller/Remote User's Terminal Guide— Introduction (1-93)
Addendum	1	
190-103-015	3	2CAROT3 — Analysis of Test Results
Addendum	1	
190-103-017	1	2CAROT4 — Analysis of Test Results
190-103-019	1	2CAROT6 — Analysis of Test Results (7-92)

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190-103-100	2	2CAROT3 — General System Description	190-103-207	1	2CAROT3 — Report Program Generator (RPG) Description
Addendum	1		190-103-210	2	2CAROT3 — Installation Planning and Procedures
190-103-103	2	2CAROT3 — Remote-User Terminal — Description and Operation	190-103-211	1	2CAROT4 — Data Base Administration
190-103-105	3	2CAROT3 — CAROT/CMS Interface Description	190-103-212	1	2CAROT4 — Controller Administration
190-103-018	1	2CAROT5 — Analysis of Test Results	190-103-213	1	2CAROT4 — Data Base Description and Transactions
190-103-110	1	2CAROT4 — General System Description	190-103-214	1	2CAROT4 — Circuit Order Activity — Implementation and Description
190-103-113	1	2CAROT4 — Remote-User Terminal — Description and Operation	190-103-215	1	2CAROT4 — Text Editor Program
190-103-115	1	2CAROT4 — CAROT/CMS Interface Description	190-103-216	1	2CAROT4 — SELEC Program
190-103-116	3	2CAROT4, 2CAROT5, and 2CAROT6 — Remote-User Terminal Operating Instructions — Pocket Guide (7-92)	190-103-217	1	2CAROT4 — Report Program Generator
190-103-120	1	2CAROT5 — General System Description	Addendum	1	
190-103-123	1	2CAROT5 — Remote-User Terminal — Description and Operation	190-103-220	1	2CAROT4 — Installation and Acceptance Procedures
190-103-125	1	2CAROT5 — CAROT/CMS Interface Description	190-103-221	1	2CAROT5 — Data Base Administration
190-103-130	1	2CAROT6 — General System Description (7-92)	190-103-222	1	2CAROT5 — Controller Administration
190-103-133	1	2CAROT6 — Remote-User Terminal — Description and Operation (7-92)	190-103-223	1	2CAROT5 — Data Base Description and Transactions
190-103-135	1	2CAROT6 — CAROT/CMS Interface Description (7-92)	190-103-224	1	2CAROT5 — Implementation and Description
Addendum	1		190-103-225	1	2CAROT5 — Text Editor Program
190-103-201	3	2CAROT3 — Data Base Administration	190-103-226	1	2CAROT5 — Selec Program
Addendum	1		190-103-227	1	2CAROT5 — Report Program Generator
190-103-202	3	2CAROT3 — CAROT 2 Controller Administration	190-103-230	1	2CAROT5 — Installation and Acceptance Procedures
190-103-203	3	2CAROT3 — Data Base Description and Transactions	190-103-231	1	2CAROT6 — Data Base Administration (7-92) 2CAROT4 — Installation and Acceptance Procedures
190-103-204	1	2CAROT3 — Circuit Order Activity — Implementation and Description	190-103-232	1	2CAROT6 — Controller Administration (7-92)
190-103-205	1	2CAROT3 — Text Editor Program	190-103-233	1	2CAROT6 — Data Base Description and Transactions (7-92)
190-103-206	2	2CAROT3 — SELEC Program	190-103-234	1	2CAROT6 — Circuit Order Activity — Implementation and Description (7-92)
			190-103-235	1	2CAROT6 — Text Editor Program (7-92)

Number	Issue	Subject
190-103-236	1	2CAROT6 — SELEC Program (7-92)
190-103-237	1	2CAROT6 — Report Program Generator (7-92)
190-103-240	1	2CAROT6 — Conversion and Installation Guide (7-92)
Addendum	1	
▲190-103-300	1	2CAROT3 — Operating Procedures
▲190-103-305	1	2CAROT3 — Remote-User Terminal Operating Procedures
190-103-310	1	2CAROT3 — Console Output Message Manual
▲Addendum	2	
▲190-103-400	1	CAROT 2 Controller — Generics 4 and 5 — Operating Procedures
▲Addendum	2	
▲190-103-405	1	CAROT 2 — Generics 4 and 5 — Remote-User Terminal — Operating Procedures Centralized Auto. Reporting on Trucks
190-103-410	1	2CAROT4 — Console Output Message Manual
190-103-500	1	2CAROT3 — System Trouble-Locating Procedures
190-103-501	1	2CAROT3 — System Recovery Strategy
190-103-502	1	2CAROT3 — Remote-User Port Diagnostic Test Descriptions
190-103-510	1	2CAROT5 — Console Output Message Manual
190-103-511	1	2CAROT5 — System Recovery Strategy
● 190-103-512	1	2CAROT5 — System Trouble-Locating Procedures
190-103-520	1	2CAROT6 — Console Output Message Manual (7-92)
190-103-521	1	2CAROT6 — System Recovery Strategy (7-92)
190-103-522	1	2CAROT6 — System Trouble-Locating Procedures (7-92)

190-104 RTTU/CTTU (Remote Trunk Test Unit/Central Trunk Test Unit)

Overall System Configuration/Requirements

190-104-100	1	Overall System Description
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Number	Issue	Subject
190-104-101	1	Remote Trunk Test Unit — Frame Description — 2-Wire 1/1A ESS™ Switch, 1/1A ESS Switch With HILO 4-Wire Feature, and 2/2B ESS Switch
190-104-103	1	Maintenance and Trouble Locating Procedures — 5XB, SXS, and 3 ESS Switch
190-104-201	1	Performance Test Requirements

Remote Trunk Test Unit — Acceptance Tests

190-104-202	1	1/1A ESS Switch
190-104-203	1	2/2B ESS Switch
190-104-204	1	5ESS Switch

Mini-Remote Trunk Test Unit — Acceptance Tests

190-104-205	1	3 ESS Switch
190-104-206	1	Step-by-Step Switch
190-104-207	1	No. 5 Crossbar Switch

Central Trunk Test Unit — Operating Procedures

▲190-104-301	1	General
▲190-104-302	1	1/1A ESS Switches
▲190-104-303	1	2/2B ESS Switches
▲190-104-304	1	5ESS Switches
▲190-104-305	1	3 ESS Switches
▲190-104-306	1	Step-by-Step Switches
▲190-104-307	1	No. 5 Crossbar Switches

Remote Trunk Test Unit — Maintenance and Trouble Locating Procedures

190-104-501	1	2/2B ESS Switch
190-104-502	1	2-Wire 1/1A ESS Switches and 1/1A ESS Switches With HILO 4-Wire Feature
190-104-503	1	5XB, SXS, and 3 ESS Switch
190-104-504	1	Overall System Tests

190-105 ATA (Automatic Trouble Analysis)

190-105-101	2	Description
190-105-301	3	Input Commands/Output Messages
190-105-302	3	Operating Procedures

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190-105-310	3	System Arranged With PDP* — 11/40 Processor Computer Center Operating Procedures
190-105-311	4	Computer System Generation
190-105-312	2	Computer Trouble Sectionalizing and Recovery
190-105-313	4	Computer Input Commands/Output Messages
190-105-314	3	PDP - 11/70 Computer Operating Procedures
190-105-501	1	Computer Acceptance Tests
190-105-502	2	PDP - 11/70 Computer Acceptance Tests

190-106 MDT (Maintenance Data Transmitter)

190-106-101	1	SD-28111-01 — Description — No. 5 Crossbar Offices Arranged for ATA
190-106-102	1	SD-28129-01 — Description — No. 5 Crossbar Offices With Office Test Frame (OTF) Arranged for Automatic Trouble Analysis (ATA)
190-106-111	3	SD-28110-01 — Description — No. 1 Crossbar Offices Arranged for Automatic Trouble Analysis (ATA)
Addendum	1	
190-106-301	2	Trouble Locating Procedure — No. 5 Crossbar
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190-106-311	3	Trouble Locating Procedure — No. 1 Crossbar
190-106-501	2	No. 5 Crossbar Offices With Master Test Frame (MTF) Arranged for Automatic Trouble Analysis (ATA) Acceptance Tests
190-106-502	1	Acceptance Tests — No. 5 Crossbar Offices With Office Test Frame (OTF) Arranged for Automatic Trouble Analysis (ATA)
190-106-511	2	Acceptance Tests — No. 1 Crossbar Offices Arranged for Automatic Trouble Analysis (ATA)

* PDP is registered trademark of Digital Equipment Corporation

Number	Issue	Subject
190-107 Programmable Scanner/Distributor — ATA (Automatic Trouble Analysis)		
190-107-101	2	SD-94844-01 — Description
Addendum	1	
190-107-301	2	Trouble-Locating Procedures

190-108 TREAT (Trouble Report Evaluation and Analysis Tool) System

190-108-005	1	Central Office Reports — Description
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190-110/129 No. 2 SCCS (Switching Control Center System) — Applications**General Information**

190-110-110	9	Common Application — Description
190-110-120	1	Computer Subsystem — Administrative Guidelines
190-110-121	1	Computer Subsystem — System Administrator Procedures
190-110-302	3	Computer Subsystem and Control Equipment — Hardware Check
190-110-305	1	Control Equipment — T Cabinet Operation and Maintenance
190-110-310	5	Computer Subsystem and Control Equipment — Hardware Operation and Reconfiguration
190-110-314	3	Common Equipment — Troubleshooting Procedures
190-110-321	4	Computer Subsystem and Control Equipment — System Acceptance Tests and Operational Test Procedures

4ESSTM Switch

190-111-110	3	Description
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1A ESSTM Switch

190-112-110	3	Description
190-112-340	3	Operational Test Procedures
190-112-341	2	System Recovery Procedure

1 ESS Switch

190-113-110	4	Description
190-113-125	1	Multiple Message Alerting (MMA) — Administration Procedures

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190-113-310	2	Operating and Diagnostic Test Procedure
190-113-311	2	Emergency Action Procedures
190-113-312	2	Analysis of Network Failures and TN08 Messages
190-113-313	1	Trunk Maintenance Package (TRUMP) — Procedures
Addendum	1	
190-113-314	1	Network Analysis Operational Procedures
190-113-315	2	TN08 Messages Analysis Procedures — Operation, Maintenance, and Administration
190-113-340	3	Operating and Diagnostic Test Procedures
Addendum	1	
190-113-341	1	Emergency Action Procedure

Traffic Service Position System No. 1

190-114-110	2	Description
190-114-310	2	Central Office Interconnect — Operation and Test Procedures
■ 190-114-311	2	Emergency Action Procedures
190-114-340	1	Control Console No. 1A — Operation and Test Procedures
■ 190-114-341	1	Control Console No. 1A — Emergency Action Procedures

2 ESS Switch

190-115-110	2	Description
190-115-310	1	Operation and Test Procedures
190-115-311	2	Emergency Action Procedures
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190-115-340	2	Control Console No. 1A/2A — Operation and Test Procedures
190-115-341	3	Emergency Action Procedures

2B ESS Switch

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190-116-110	1	Description
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190-116-340	1	Operation and Test Procedures
190-116-341	3	Emergency Action Procedures

3 ESS Switch

190-117-110	2	Description
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190-117-340	2	Operating and Test Procedures
190-117-341	2	Emergency Action Procedures
190-117-342	2	Operating and Test Procedures — Generic 3E3 and Later Issues
190-118-110	1	Automatic Interrupt System (AIS) Application — Description

AIS (Automatic Intercept System)

190-118-340	1	Operation and Test Procedures
190-118-341	1	Emergency Action Procedures (Control Console)

101 ESS Switch

190-119-110	1	Description
190-119-310	1	Operation and Trouble Analysis Procedures
190-119-311	1	Emergency Action Procedure

Peripheral Data Storage Processor

190-120-110	1	Description
190-120-340	1	Operational Test Procedure
190-120-341	1	Enhanced 911 and Enhanced Private Switched Communication Service — System Recovery Procedure — No. 2 Switching Control Center System

5ESS Switch

190-122-110	3	Description
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Traffic Service Position System No. 1B

190-123-110	3	Description
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Network Control Point

190-124-110	1	Description
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Digital Access and Cross-Connect System

190-125-110	3	Description
190-125-311	2	Emergency Action Procedure
190-125-340	2	Operating and Test Procedures

D5 Channel Bank

190-126-110	1	Description
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AUTOPLEX[®] System 100

190-127-110	1	Description
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190-127-340	1	Operational Test Procedures	190-130-121	1	Alarm Surveillance Guides — Ordering Information
190-127-341	1	Emergency Action Procedure	■ 190-130-122AC	3	Remote Work Center (RWC) — Operating Guidelines
DMS -10 Switch			■ Appendix 1AC	1	Notification and Escalation Guidelines for Network Maintenance
190-128-110	2	Description	■ Appendix 2AC	1	Network Maintenance Guidelines — RWC Staffing
No. 1 PSS (No. 1 Packet Switch System)			■ Appendix 3AC	1	RWC Interface Responsibilities for AT&T Services
190-129-110	2	Description	■ 190-130-123AC	1	Network Maintenance Guidelines — Remote Work Center Operational Review
Signal Transfer Points (STPs)			■ Appendix 1AC	1	RWC Office Profile
190-129-210	1	No. 1 — Description	■ Appendix 2AC	1	Coordinator's Checklist and Interview Work Sheets
190-129-310	1	No. 2 — Description	■ Appendix 3AC	1	Review Feedback Sheets
DMS -100 Switch Application			■ Appendix 4AC	1	Interview — Operations Manager
190-129-410	1	Description	■ Appendix 5AC	1	Interview — Supervisor — General
190-130 Switching Control Centers (SCC)			■ Appendix 6AC	1	Interview — Supervisor — System Administrator
190-130-010	1	SPCS/SCC Control Maintenance Plan — Network Maintenance Plan	■ Appendix 7AC	1	Interview — Technician — General
190-130-110	1	Introduction, Planning, and Implementation — Network Maintenance Management	■ Appendix 8AC	1	Interview — STP — Supervisor and Technician
190-130-111	1	Guide for Switching Control Center Implementation and Cut-over Scheduling — Network Maintenance Management	■ Appendix 9AC	1	Interview — NCP — Supervisor and Technician
190-130-112	1	Administrative Guidelines — Stored Program Control System — Network Maintenance Management	■ Appendix 10AC	1	Interview — DCO — Supervisor and Technician
190-130-113	1	Rural Switching Control Center Administrative Guide — Network Maintenance Management	■ Appendix 11AC	1	Interview — TSPS — Supervisor and Technician
190-130-115	2	Organizational Sizing of Switching Control Centers	■ Appendix 12AC	1	Interview — 1PSS — Supervisor and Technician
190-130-120	2	Organization and Responsibility Guidelines	■ Appendix 13AC	1	Interview — 4ESS™ — Supervisor and Technician
Appendix 1	1	Performance Standards — Description	■ Appendix 14AC	1	Interview — 5ESS™ — Supervisor and Technician
Appendix 2	1	Work Assignment Lists — Description	190-130-130	2	Administrative Procedures
Appendix 3	1	Manager and Supervisor Job Summaries — Descriptions	190-130-131	2	Pricing Guides Ordering Information — Network Maintenance Management
			190-130-133	1	Dispatch and Administration Procedures
			190-130-135	1	Operations Guide — 24-Hour Switching Control Center — Operations Support Systems

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190-130-140	1	Work Schedule — Form E-6837 — Preparation and Use — Network Maintenance Management
190-130-143	1	Network Maintenance Management Plan — Operational Review Guidelines
190-130-146	1	Building and Power Alarms Central Office Maintenance
190-130-147	1	Stored Program Control System — Trouble Escalation Procedures
190-130-150	1	Load and Work Time Record — Form E-6843 — Network Maintenance Management
Addendum	1	
190-130-160	1	Work Load and Force Measurement Plan — Network Maintenance Management
190-130-200	1	SCC/SCCS Centralized Trunk Operation
190-130-202	1	Enhanced Private Switched Communications Service Procedures — Operation, Maintenance, and Administration
190-130-203	1	No. 1/1A ESS Remote Trunk and Line Test Procedures Using Remote Trunk Test Interface (SD-1A485-01)
190-130-204	1	Customer Service Administrative Control Center (CSACC) — EPSCS Network Status System (CENSS)
190-130-205	1	Electronic Tandem Network Service Procedures
190-130-300	1	Centralized Trunk Operation — Central Office Maintenance Management — Electromechanical
Addendum	1	
190-130-301	1	Electromechanical Centralized Switch Operations — Network Maintenance Management

190-135 BILLDATS® II Collector

●■ 190-135-002	3	BILLDATS II Col (2) — Output Messages
●■ 190-135-003	3	BILLDATS II Col (2) — Input Commands

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●■ 190-135-004	1	BILLDATS II Col (2) — Operations and Maintenance Guide
●■ 190-135-005	3	BILLDATS II Col — Acceptance
●■ 190-135-006	1	BILLDATS II Col (2) — Optional Features Guide
●■ 190-135-007	1	BILLDATS II Col (2) — CDDS Interface
■ 190-135-008	2	BILLDATS Reference Guide

190-138 PROES (Paperless Remote Order Entry Service)**190-140 Frame Control Center — Frame Work Station**

190-140-100	1	Organizational Guidelines and Responsibilities
190-140-110	1	Operating Procedures
190-140-120	1	Implementation Guidelines

190-2 Surveillance and Control Systems**190-200 TCAS (T Carrier Administration System)**

190-200-001	1	Organization and Responsibilities
190-200-002	1	Quality Review Plan
190-200-010	5	Overall System Description
190-200-025	1	Organization and Responsibilities
190-200-030	3	Maintenance Controller (MC) — General Operating Procedures
190-200-031	2	Maintenance Controller (MC) — Typical Trouble Handling Procedures
190-200-100	4	Central Equipment Description
190-200-101	5	Input Commands Description
190-200-102	5	Reports and Tasks Description
190-200-103	2	Facilities Maintenance and Administration Center-Metropolitan — Control Positions Description
190-200-300	7	Operating and Routine Maintenance Procedures
190-200-310	5	Data Base Controller Operations
190-200-311	2	Equipment and Facility Assignment Controller Procedures
190-200-312	2	Maintenance Control and Maintenance Alarm Control Positions — General Operating Procedures

Number	Issue	Subject	Number	Issue	Subject
190-200-313	2	Maintenance Control and Maintenance Alarm Control Positions — Typical Trouble-Handling Procedures	190-203 SFMAC (Satellite Facility Maintenance Administration Center)		
190-200-314	3	Supervisory Controller Procedures	■ 190-203-101	1	MONARC (Monitor and Remote Control) User Manual
190-200-500	4	Central Unit Test Procedures	190-205 SCOTS (Surveillance and Control of Transmission Systems)		
190-201 Alarm Centers			190-205-101	3	Transmission Maintenance System — General Description
190-201-010	1	Administration	190-205-102	3	Transmission Maintenance System — Central Terminal Description
190-202 FMAC (Facility Maintenance and Administration Center)			190-205-103	2	Transmission Maintenance System — Remote Equipment Description
190-202-004	1	Personnel Responsibilities	190-205-300	3	Central Terminal Operations
■ 190-202-010AC	1	FAMAS 2 Ticket Administration Procedures	190-205-301	3	Data Base Planning
190-202-041	1	Controlled Maintenance Plan — Operations Centers and Support Systems	190-205-302	3	Data Base Management
190-202-061	1	Standard Alarm Name and Status Indication Abbreviations — Description	190-205-303	3	Locally Defined Operations
■ 190-202-061AC	2	Standard Alarm Name and Status Indication Abbreviations — Description	190-205-500	2	System Maintenance
Addendum	1		190-205-502	2	Remote Maintenance
190-202-101	1	Organization, Responsibilities, and Objectives — Metropolitan	■ Addendum AC	1	
190-202-102	1	Operations Support Systems — Metropolitan	■ 190-205-601AC	1	Generic 3 With Generic 4 Enhanced Operations — System Description and Operation
190-202-103	1	Planning and Implementation — Metropolitan	■ Addendum AC	1	
■ 190-202-110AC	1	Facility Network Control Plan — Description	■ 190-205-602AC	1	Generic 3 With Generic 4 Enhanced Operations — Data Base and Program Implementation
190-202-201	1	Organization and Responsibilities	■ Addendum AC	1	
190-202-202	1	Operations Support Systems	■ 190-205-603AC	1	Generic 3 — Output Message Description
190-202-203	1	Planning and Implementation	190-206 TMAS (Transport Maintenance and Administration System)		
190-202-463	1	Alarm Surveillance Procedures and Responsibilities — Description	■ 190-206-101	4	User Reference Manual
■ 190-202-510AC	1	Facility Technical Assistance Support Plan — Description — Facility Technical Assistance Group (FTAG)	■ 190-206-103	3	Field User Reference Manual
190-202-760	1	73 Facility Provisioning Methods and Procedures	■ 190-206-105	3	System Administrator and Maintenance Manual
			■ 190-206-106	4	Data Base Administration and Operations Manual
			■ 190-206-107	4	User Programmability and Report Generation Manual
			■ 190-206-109	3	Output Message Manual
			■ 190-206-109	1	Output Message Manual

Number	Issue	Subject
190-207 COMPUVERT		
190-207-010	1	2CM3 Technical Description
190-207-100	1	System Administration Manual
190-207-110	1	Input/Output Messages
190-207-200	1	General Operations
190-207-210	1	User Guide

190-208 TRANSVU II Network Surveillance and Control Systems

190-208-020	1	TRANSVU II Network Surveillance and Control System Planning and Implementation Guide
■ Addendum	2	
■ 190-208-101	2	User Reference Manual (8-92)
■ 190-208-103	2	Field User Reference Manual (8-92)
■ Addendum	2	
■ 190-208-105	3	Transvu II Network Surveillance and Control System — Administration and Maintenance Manual (4-93)
Addendum	2	
190-208-106	2	Data Base Administration and Operation Manual (8-92)
■ 190-208-107	2	TRANSVU II Network Surveillance and Control System — User Programmability and Report Generation Manual
■ 190-208-109	2	Output Message Manual (8-92)
Release 3.0/3.1		
■ 190-208-111	1	TRANSVU II Network Surveillance and Control System — User Reference Manual Rel 3.0 and 3.1 (6-93)
190-208-112	1	TRANSVU Network Surveillance and Control System 3.0 and 3.1 MAP Creation Guide
■ 190-208-113	1	TRANSVU II Network Surveillance and Control System — Field User Reference Manual — Rel 3.0 and 3.1 (6-93)
■ 190-208-114	1	TRANSVU II Network Surveillance and Control System — System Administration and Maintenance Manual (Rel 3.1)

Number	Issue	Subject
190-208-115	1	TRANSVU II Network Surveillance and Control System — 3.0 and 3.1 System Administration and Maintenance Manual
■ Addendum	1	
■ 190-208-116	1	TRANSVU II Network Surveillance and Control System — Database Administration
190-208-117	1	TRANSVU II Network Surveillance and Control System — User Programmability and Report Generation Manual
■ 190-208-118	1	TRANSVU Network Surveillance and Control System — TNC User Reference Manual — Rel 3.0 and 3.1 (6-93)
■ 190-208-119	1	TRANSVU II Network Surveillance and Control System — Output Message Manual — Rel 3.0 and 3.1 (6-93)

190-209 ACORN Network Control System

190-209-001	2	Administration and Operations Manual — 1.0.1 Documentation
190-209-002	3	Maintenance Guide
190-209-010	2	Reference Guide
190-209-020	2	Central Processor Maintenance Guide
190-209-021	1	Hub and Hub Expansion Unit Maintenance Guide
190-209-022	2	Satellite Maintenance Guide
● 190-209-023	2	Performance Monitor Maintenance Guide
190-209-024	1	Satellite 2M
190-209-025	1	HUB Installation Guide
190-209-026	1	Satellite 2 Installation Guide
190-209-027	1	Performance Monitor Installation Guide
190-209-101	1	Administration and Operations Manual — 1.1 Documentation

190-210 TASC (Telecommunications Alarm Surveillance and Control) System

Methods		
● 190-210-020	2	Administrative Procedures

Number	Issue	Subject
(Alarm Reference Guide) — Network Maintenance Management		
● 190-210-050	2	No. 5 Crossbar
● 190-210-051	1	No. 1 Crossbar
● 190-210-052	1	Crossbar Tandem
● 190-210-053	1	Step-by-Step System — No. 1, 350A, 355A
190-210-054	2	Building and Power — Step-by-Step and Crossbar Switching Systems

Description, Operation, and Maintenance

190-210-101	3	System Description — Generic 1 and Generic 2
190-210-102	3	Central Description — Generic 1
190-210-103	3	Remote Equipment Description — Generic 1(G1) and Generic 2(G2)
190-210-112	1	Control Terminal Description Generic 2
190-210-300	3	Central Operations — Generic 1
190-210-301	3	Data Base Planning for Generic 1 Using E2A SAC Remotes and CDO Satellite Units
190-210-302	3	Data Base Operations — Generic 1
190-210-303	3	Program Sequencer — Generic 1 and Generic 2
190-210-304	3	Generics 1 and 2 — Data Base Planning Using C1, E1, E2, and E2A APR Remotes
190-210-305	1	Application Program Operations Generics 1 and 2
190-210-310	1	Central Terminal Operations for Generic 2
190-210-311	1	Data Base Planning for Generic 2 Using E2A SAC Remotes and CDO Satellite Units
190-210-312	1	Data Base Operations — Generic 2
190-210-500	3	System Maintenance — Generics 1 and 2
190-210-600	1	System Description and Operations
190-210-601	1	Data Base and Program Implementation
190-210-602	1	Output Message Description

Number	Issue	Subject
190-211 DACSCAN		
190-211-201	1	DACSCAN — 2000 Operation, Administration and Maintenance Guide
190-211-203	1	DACSCAN — 2000 Controller
190-211-205	1	User Guide — Controller Operations and Administration User Guide
190-211-301	1	DACSCAN — 2000 User's Manual

190-215 TOPAS (Testing Operation Provisioning Administration System)

■ 190-215-000AC	1	System Description/Engineering Guidelines/Administration Guidelines
■ 190-215-011	1.3	Network 4.1 Release Notes
■ 190-215-101AC	2	System Administration and Operation System Description
■ 190-215-102AC	2	Network Testing and Maintenance — System Description
■ 190-215-103AC	2	Network Administration and Routing System Description
■ 190-215-111AC	2	TOPAS User's Manual
■ 190-215-301AC	2	Network Testing and Maintenance Testing Procedures
■ 190-215-310AC	2	Network Administration and Routing Provisioning Procedures
■ 190-215-320AC	2	System Administration and Operation Administration Procedures
■ 190-215-321AC	2	Operational Maintenance Guide

190-220 RMMS (Regional Maintenance Management System)

■ 190-220-000AC	1	System Documentation
■ 190-220-001AC	1	Facility Testing — User's Guide
■ 190-220-004AC	1	Application and Utility Programs — Description and Application
190-220-010	1	Carrier Transmission Maintenance System (CTMS)/Trunk and Facility Maintenance System (TFMS) — Administrative Methods and Procedures
■ 190-220-100AC	3	General Description
■ 190-220-101AC	3	Central Description

Number	Issue	Subject
190-220-105	1	Carrier Transmission Maintenance System (CTMS)/Trunk and Facility Maintenance System (TFMS) — Routine Measurements
■ 190-220-300AC	2	General Operating Procedures
■ 190-220-301AC	3	Data Base Management
■ 190-220-500AC	3	Maintenance
■ 190-220-501AC	3	4M Multiplexor — Description, Operation, and Diagnostics
■ 190-220-550AC	3	General Administrative Procedures
■ 190-220-551AC	3	Routine Tests — Line and Multiplex Sections — Gain/Frequency Characteristics and Noise
■ Appendix 1AC	3	Routine Tests — Line and Multiplex Sections — Performance Indicate Calculations
■ 190-220-552AC	1	CPMP (Carrier Performance Measurement Program) — Description and Applications
■ 190-220-572AC	2	Demand Measurements

190-3 Central Office Maintenance Management

- 190-304-103AC 2 CAMS Field User's Guide— Overview and Tasks (Vol. 1)— Screen Descriptions (Vol. 2)
- 190-304-105AC 1 CAMS SME User Guide

190-305 COMMS (Central Office Maintenance Management System) — Preventive Maintenance

190-305-101	3	Description
190-305-102	2	Coordinators Guidelines
190-305-301	2	Equipment Inventory
190-305-302	3	Method of Handling Routine List, Scheduling Parameters, Local Routines & Local Equipment
190-305-303	2	Method of Handling Work Item List and PM Schedule
190-305-304	1	Method of Handling Work Orders
190-305-305	1	Teletypewriter Operating Procedures
190-305-306	2	Method of Handling Administrative and Summary Reports
190-305-307	2	Method of Updating

190-306 SCANS (Software Change Administration and Notification System)

- 190-306-010 2 System Administration
- 190-306-100 2 High-Speed Terminal Interface
- 190-306-110 1 Overwrite Administration and Procedures In the Switching Control Center System — Description

190-4 Network Operations Systems**190-401 NSC (Network Service Center)**

- 190-401-000 3 Information Resources Index
- 190-401-004 AC 3 Network Administration and Routing — CNRDB/IRAS — Job Aid
- 190-401-006AC 1 NSD (Network Services Division) — OSPA (Operator Service Position System) — Methods and Procedures
- 190-401-040 2 Description

NSCs for BOCs (Bell Operating Companies)

- 190-401-060 1 Management Guide
- 190-401-060AC 1 AT&T Center Management Guide
- 190-401-070 1 Operations Guide
- 190-401-070AC 1 AT&T Center Operations Guide
- 190-401-091 1 Operational Review — Introduction
- 190-401-093 1 Operational Review — Organization Checklist
- 190-401-095 1 Operational Review — Management Checklist
- 190-401-097 1 Operational Review — Operations Checklist
- 190-401-099 1 Operational Review — Review Summary Checklist

Administration, Operation, and Maintenance

- 190-401-100 1 Network Service Centers
- 190-401-101AC 1 Customer Trouble Report (CTR) — Analyzation and Trouble Clearing Procedures — Customer Trouble Report Center
- 190-401-110 1 Network Task Force
- 190-401-110AC 1 AT&T-C Long Distance Repair Service Center (LDRSC) — Functional Operation

Number	Issue	Subject	Number	Issue	Subject
190-401-120	1	Area Network Service Center	190-401-405	1	Trouble Ticket — Description
■ 190-401-120AC	1	Customer Trouble Report Operations Support System (CTR OSS) — Description	190-401-415	1	Trouble Analysis — Introduction
■ Appendix 1AC	1	Customer Trouble Reporting Contact List	190-401-420	1	Trouble Analysis — Computerized Operator Trouble Report Analysis
■ Appendix 2AC	1	IDDD Countries — Alphabetical by Country Code	190-401-425	1	Trouble Analysis — Network Exception Reports
■ Appendix 3AC	1	IDDD Countries — Numerical by Country Code	190-401-430	1	Trouble Analysis — Local Maintenance, Trend, and Special Study Reports
■ Appendix 4AC	1	User Messages — CTR OSS Log On Procedure	190-401-435	1	Trouble Analysis — Administrative Reports
■ Appendix 5AC	1	CTR OSS Internal User Messages	190-401-440	1	Masterfile Maintenance — Introduction
190-401-130	1	Network Committee Organizations	190-401-445	1	Masterfile Maintenance — Switching Entity Definition (SED) Updates
190-401-140	1	Performance Measurement and Operational Review	190-401-450	1	Masterfile Maintenance — NPA-NXX Definition Updates
190-401-150	10	Directory	190-401-455	1	Masterfile Maintenance — Common Language Location Identification
190-401-230	1	Reorder Analysis	190-401-460	1	Masterfile Maintenance — Routing Specification List (RSL) Updates
190-401-240	2	Call Disposition Data (Service Evaluation) — Operations Support Systems	190-401-465	1	Masterfile Maintenance — Distribution Control File (DCF-1) Updates
190-401-241	1	SES 1A Interface With ATRS/NOTIS	190-401-470	1	Masterfile Maintenance — Multiple Destination Request (MDR) Updates
190-401-250	1	Call Sampling and Hold and Trace Procedures	190-401-475	1	Masterfile Maintenance — Operator Trunk Group (OTG) Updates
190-401-300	1	Equipment and Billing Accuracy Control (EBAC)	190-401-480	1	Job Aid — Masterfile Maintenance
Addendum	1		190-401-485	1	Job Aid — Masterfile Error Correction
190-401-301	1	Administration Guide — Message Recording Trunk Trouble Analysis (MRTTA) System	190-401-490	1	Job Aid — Masterfile Printouts
190-401-320	2	Automated Trouble Reporting System (ATRS)	190-402/403 LSU (Local Storage Unit) and CMDR (Centralized Message Detail Recorder)		
190-401-321	1	Central Unit — Operating Procedures — Automated Trouble Reporting System (ATRS)	94A Customer Premise System		
190-401-322	1	Trouble Locating Procedures	▲190-402-000	3	Installation, Test and Maintenance
190-401-330	1	Network Call Completion	190-402-100	3	94A LSU Descriptive Information
190-401-340	1	Phase 1 — Description and Planning	190-402-200	3	Identification and Preinstallation Information
190-401-352	1	Terminal Operations Guide — Mechanized Evaluation of Call Completion Anomalies (MECCA)			
NOTIS (Network Operations Trouble Information System)					
190-401-400	1	Trouble Reporting — Description and Procedures			

Number	Issue	Subject
190-402-250	1	Local Storage Unit (LSU) — Maintenance Support
93B Customer Premise System		
▲ 190-403-000	1	Installation, Test and Maintenance
190-403-100	3	Description Information
190-403-250	1	Maintenance Support
190-406 NTMS (Network Traffic Management System)		
RNMS (Regional Network Management System)		
■ 190-406-100	3	System Description Generic 3.3 V1 Update for Financial Coding Guide for CSFO
■ 190-406-102	3	Record Base Administration Generic 3.3
■ 190-406-104	3	System Administration Generic 3.3
■ 190-406-106	3	Network Management User's Guide Generic 3.3
■ 190-406-107	3	Page/Display User's Guide Generic 3.3
■ 190-406-108	3	Commands and System Responses Generic 3.3
Netminder		
■ 190-406-110	3	System Description
■ 190-406-112	3	Record Base Administration Guide
■ 190-406-114	3	System Administration
■ 190-406-116	3.1	Network Management Guide
■ 190-406-117	3	Page/Display Guide
■ 190-406-118	3	Commands/System Report
NMS (Network Management System) — Spain		
■ 190-406-134	E	System Administration
■ 190-406-136	E	Users Guide
■ 190-406-137	E	Page/Display User Guide
■ 190-406-138	E	Commands /System Responses
INMS (Italy Network Management System)		
■ 190-406-140	2	System Description Manual (Italtel SIP)
■ 190-406-141	1	SIP Document
■ 190-406-142	2	Record Base Administration (Italtel SIP)

Number	Issue	Subject
■ 190-406-144	2	System Administration (Italtel SIP)
■ 190-406-146	2	User Guide (Italtel SIP)
■ 190-406-147	2	Page Display User Guide (Italtel SIP)
■ 190-406-148	2	Commands and System Responses (Italtel SIP)

NMS (Network Management System) — Netherlands

■ 190-406-150	2	Netminder System Description
■ 190-406-152	2	Netminder Record Base Administration
■ 190-406-154	2	Netminder System Administration
■ 190-406-156	2	Netminder Network Management User's Guide
■ 190-406-157	2	Netminder Display Guide
■ 190-406-158	2	Netminder Commands and System Responses

NMS (Network Management System) — Taiwan

■ 190-406-160	1	System Description
■ 190-406-162	1	Record Base Administration
■ 190-406-164	1	System Administration
■ 190-406-166	1	Network Management User's Guide
■ 190-406-167	1	Page Display User Manual
■ 190-406-168	1	Commands and System Responses

Network Traffic Management — Operations System (NTM-OS) — Korea

■ 190-406-170	1	NTM-OS System Description
■ 190-406-172	1	Record Base Administration
■ 190-406-173	1	Data Tables Reference Guide
■ 190-406-174	1	System Administration
■ 190-406-176	1	Network Management User's Guide
■ 190-406-177	1	Page and Display User's Guide
■ 190-406-178	1	Commands and System Responses
■ 190-406-179	1	NTM-OS Reports — User Guide

No. 2 Network Traffic Management Operation System

190-406-210	1	System Description
190-406-211	1	NTMOS Complete Set
190-406-212	1	Record Base Administration Guide

Number	Issue	Subject	Number	Issue	Subject
190-406-214	1	System Administration Guide	■ 190-408-111	H	MFOSOP/02E Functions Manual (SCS) Vol. 1
190-406-216	1	Network Management User's Guide	■ 190-408-112	H	MFOSOP/02E Operation and Maintenance Manual (SCS) Vol. 1
190-406-217	1	Page Display User's Guide	■ 190-408-113	F	IN-MFOSCR/02E Commands and Reports Manual (SCS) Vol. 1
190-406-218	1	Commands/System Responses	■ 190-408-121	H	IN-MFOSFM/02E Functions Manual (SMS) Vol. 2
190-406-220	2	NTMOS System Description	■ 190-408-122	H	IN-MFOSOP/02E Operation and Maintenance Manual (SMS) Vol. 2
190-406-222	2	NTMOS Record Base Administration	■ 190-408-123	H	IN-MFOSCR/02E Commands and Reports Manual (SMS) Vol. 2
190-406-224	2	NTMOS System Administration	■ 190-408-124	H	IN-MFOSFM Functions Manual (SMS/DCRS) Vol. 2
190-406-225	2	NTMOS Display Users Guide	■ 190-408-125	H	IN-MFOSOP/02E Operation and Maintenance Manual (SMS/DCRS) Vol. 2
190-406-226	2	NTMOS Network Management Users Guide	■ 190-408-126	H	IN-MFOSCR/02E Commands and Reports Manual (SMS/DCRS) Vol. 2
190-406-227	2	NTMOS Page Users Guide	■ 190-408-131	H	IN-MFOSFM/02E Functions Manual (APS) Vol. 3
190-406-228	2	NTMOS Commands/System Responses	■ 190-408-132	G	IN-MFOSOP/02E Operation and Maintenance Manual (APS) Vol. 3
NMS (Network Management System) — Italy			■ 190-408-133	G	IN-MFOSCR/02E Commands and Reports Manual (APS) Vol. 3
■ 190-406-240	1	System Description	■ 190-408-141	F	IN-MFOSFM/02E Functions Manual (CCS) Vol. 4
■ 190-406-242	1	Record Base Administration	■ 190-408-142	F	IN-MFOSOP/02E Operation and Maintenance Manual (CCS) Vol. 4
■ 190-406-244	1	System Administration	■ 190-408-143	F	IN-MFOSCR/02E Commands and Reports Manual (CCS) Vol. 4
■ 190-406-246	1	Network Management Users Guide	■ 190-408-151	G	IN-MFOSFM/02E Functions Manual (TFS) Vol. 5
■ 190-406-247	1	Page and Display User Manual	■ 190-408-152	G	IN-MFOSOP/02E Operation and Maintenance Manual (TFS) Vol. 5
190-406-248	2	Commands and System Responses	■ 190-408-153	G	IN-MFOSCR/02E Commands and Reports Manual (TFS) Vol. 5
Reginal Network Management System (RNMS) Generic 5			■ 190-408-161	G	IN-MFOSFM/02E Functions Manual (SDAS) Vol. 6
System Description			■ 190-408-162	F	IN-MFOSOP/02E Operation and Maintenance Manual (SDAS) Vol. 6
Record Base Administration					
190-406-313	1	Data Tables			
190-406-314	1	System Administration Guide			
190-406-316	1	Network Management User's Guide			
190-406-317	1	Page Display User's Guide			
190-406-318	1	Commands/System Responses			
190-406-319	1	Report Users Guide			
190-407 FASTAR (Fast Automatic Restoration)					
■ 190-407-110	2	FASTAR— Operations and Maintenance Guide (OMG)— (Fast Automatic Restore)			
190-408 MFOS (Multifunction Operations Systems)					
MFOS Software Release 4 Documents					
■ 190-408-100	G	MFOSOP/02E Functions Manual Vol. 0			

Number	Issue	Subject
■ 190-408-163	G	IN-MFOSCR/02E Commands and Reports Manual (SDAS) Vol. 6
■ 190-408-164	G	IN-MFOSCR/02E Commands and Reports Manual (SDAS) (USA) Vol. 6B
■ 190-408-164KR	F	IN-MFOSCR/02E Commands and Reports Manual (SDAS) (Netherlands) Vol. 6B
■ 190-408-164NL	F	IN-MFOSCR/02E Commands and Reports Manual (SDAS) (Korea) Vol. 6B
■ 190-408-171	F	IN-MFOSFM/02E Functions Manual (TTS) Vol. 7
■ 190-408-172	F	IN-MFOSOP/02E Operation and Maintenance Manual (TTS) Vol. 7
■ 190-408-173	F	IN-MFOSCR/02E Commands and Reports Manual (TTS) Vol. 7
■ 190-408-181	F	IN-MFOSFM/02E Functions Manual (NMS) Vol. 8
■ 190-408-182	F	IN-MFOSOP/02E Operation and Maintenance Manual (NMS) Vol. 8
■ 190-408-183	F	IN-MFOSCR/02E Commands and Reports Manual (NMS) Vol. 8

MFOS Software Release 5.1 Documents

■ 190-408-201	E	IN-MFOS Functions Manual Vol.2
■ 190-408-202	D	IN-MFOS SCS (System Controller Subsystem) SSA (Subsystem Administrator) OP (Operations and Maintenance Procedures) Manual
■ 190-408-203	B	IN-MFOS SMS (Switch Maintenance Subsystem) SSA OP
■ 190-408-204	B	IN-MFOS SMS User OP
■ 190-408-205	A	IN-MFOS DCRS (Data Collection and Reporting Subsystem) SSA OP
■ 190-408-206	A	IN-MFOS DCRS User OP
■ 190-408-207	C	IN-MFOS APS (Alarm Processing Subsystem) SSA OP
■ 190-408-208	B	IN-MFOS APS User OP
■ 190-408-209	B	IN-MFOS CCS (Common Communication Subsystem) SSA OP
■ 190-408-210	B	IN-MFOS TFC (Traffic) SSA OP

Number	Issue	Subject
■ 190-408-211	B	IN-MFOS TFS User OP
■ 190-408-212	C	IN-MFOS SDAS (Switch Database Acquisition Subsystem) SSA OP
■ 190-408-213	C	IN-MFOS SDAS User OP
■ 190-408-214	A	IN-MFOS SDAS COM OP
■ 190-408-217	B	IN-MFOS SCS CR (Commands and Reports Manual)
■ 190-408-218	C	IN-MFOS SMS CR
■ 190-408-219	A	IN-MFOS DCRS CR
■ 190-408-220	C	IN-MFOS APS CR
■ 190-408-221	B	IN-MFOS CCS CR
■ 190-408-222	B	IN-MFOS TFS CR
■ 190-408-223	C	IN-MFOS SDAS CR
■ 190-408-224	D	IN-MFOS SDAS Masks CR
■ 190-408-224HDPT	D	IN-MFOS SDAS Masks CR

MFOS Software Release 5.2 Documents

■ 190-408-301	1	MFOS Functions Manual V2 Generic 5.2 (Fast Automatic Restore)
190-408-301ITSP	A	MFOS Operation System Manual (2 vols)
■ 190-408-311	1	MFOS/OP SCS (System Controller Subsystem) Installation Manual V1 Generic 5.2
■ 190-408-311ITSP	1	MFOS/OP SCS (System Controller Subsystem) Installation Manual V1 Generic 5.2 (SIP Co. Italy)
■ 190-408-312	1	MFOS/OP Maintenance Manual V1 Generic 5.2
■ 190-408-313	1	MFOS Commands and Reports SCS Generic 5.2 V1 Generic 5.2
190-408-313ITSP	A	MFOS CRMS Controller Subsystem
■ 190-408-321	1	MFOS/OP SMS (Switch Maintenance Subsystem) Administration Guide Generic 5.2
■ 190-408-321ITSP	A	MFOS/OP SMS (Switch Maintenance Subsystem) Administration Guide Generic 5.2 (SIP Co. Italy)
190-408-322	1	MFOS/OP SMS User Manual Generic 5.2
■ 190-408-322ITSP	A	MFOS/OP SMS User Manual Generic 5.2 (SIP Co. Italy)
■ 190-408-323	1	MFOSCR SMS Manuals V2 Generic 5.2

Number	Issue	Subject	Number	Issue	Subject
■ 190-408-323ITSP	A	MFOSCR SMS Manuals V2 Generic 5.2 (SIP Co. Italy)	■ 190-408-361	1	MFOSOP SDAS Subsystem Administration Generic 5.2
■ 190-408-324	1	MFOS/OP DCRS Subsystem Administration Generic 5.2	■ 190-408-361ITSP	A	MFOSOP SDAS Subsystem Administration Generic 5.2 (SIP Co. Italy)
■ 190-408-325	1	MFOSOP DCRS User Guide v1 Generic 5.2	■ 190-408-362	1	MFOS Operation and Maintenance SDAS User Guide Generic 5.2
■ 190-408-326	1	MFOS Data Collection and Reporting Subsystem — Commands and Reports Manual Generic 5.2	■ 190-408-362ITSP	A	MFOS SDAS Subsystem User Guide Generic 5.2 (SIP Co. Italy)
■ 190-408-331	1	MFOS APS Operation and Maintenance Procedural Manual Generic 5.2	■ 190-408-363	1	MFOSOP SDAS Operation and Maintenance Guide Generic 5.2
■ 190-408-331ITSP	A	MFOS APS Operation and Maintenance Procedural Manual Generic 5.2 (SIP Co. Italy)	■ 190-408-363ITSP	A	MFOS Operation and Maintenance SDAS Commands (SIP Co. Italy)
■ 190-408-332	1	MFOS Operation and Maintenance Procedures Manuals — APS User Operation	■ 190-408-364	1	MFOS Commands and Reports Manuals SDAS Generic 5.2
■ 190-408-332ITSP	A	MFOS Operation and Maintenance Procedures Manuals — APS User Operation (SIP Co. Italy)	■ 190-408-364ITSP	A	MFOS Commands and Reports Manuals SDAS Generic 5.2 (SIP Co. Italy)
■ 190-408-333	1	MFOS Commands and Reports Manual — APS	■ 190-408-365	1	MFOS Commands and Reports SDAS Masks Manual Generic 5.2
■ 190-408-333ITSP	A	MFOS Commands and Reports Manual — APS (SIP Co. Italy)	190-408-365HDPT	A	MFOS Commands and Reports SDAS Masks Manual Generic 5.2 (Netherlands)
■ 190-408-341	1	MFOSOP CCS System Administration Generic 5.2	■ 190-408-365ITSP	A	MFOS Commands and Reports SDAS Masks Manual Generic 5.2 (SIP Co. Italy)
■ 190-408-341ITSP	A	MFOSOP CCS System Administration Generic 5.2 (SIP Co. Italy)	■ 190-408-365PDPT	A	MFOS Commands and Reports SDAS Masks Manual Generic 5.2 (Poland)
■ 190-408-343	1	MFOS CCS Commands and Reports Manual Generic 5.2	■ 190-408-371	1	MFOS Operation and Maintenance Procedural Manual Subsystem Administration Generic 5.2
■ 190-408-343ITSP	A	MFOS CCS Commands and Reports Manual Generic 5.2 (SIP Co. Italy)	■ 190-408-373	1	MFOS Commands and Reports Manual TTS Generic 5.2
■ 190-408-351	1	MFOSOP TFS Subsystem Administration Generic 5.2	■ 190-408-381	1	MFOS Operation and Maintenance Procedural Manual TNS Subsystem Administration Generic 5.2
■ 190-408-351ITSP	A	MFOSOP TFS Subsystem Administration Generic 5.2 (SIP Co. Italy)	■ 190-408-382	1	MFOS Operations TNS User Manual Generic 5.2
■ 190-408-352	1	MFOS Maintenance and Procedures Manual — TFS User Guide	190-408-383	1	MFOS Commands and Reports Manual TNS Generic 5.2
■ 190-408-352ITSP	A	MFOS Maintenance and Procedures Manual — TFS User Guide (SIP Co. Italy)	MFOS Software Release 5.3 Documents		
■ 190-408-353	1	MFOSCR TFS Commands and Reports Manual Generic 5.2	■ 190-408-412	1	MFOS SCS Routine and Corrective Maintenance Operation Maintenance Procedures
■ 190-408-353ITSP	A	MFOSCR TFS Commands and Reports Manual Generic 5.2 (SIP Co. Italy)			

Number	Issue	Subject
■ 190-408-462	1	MFOS SDAS User — Operation and Maintenance Procedures
190-408-471	1	MFOS Operation and Maintenance Procedures — TTS SSA/User
190-408-473	1	MFOS TTS — Commands and Reports
190-408-482	1	MDOS TTS User — Operation and Maintenance Procedures
190-408-483	1	MFOS TNS — Commands and Reports

MFOS Software Release 5.4 Documents

●■ 190-408-501	1	MFOS 5.4 Functions Manual
●■ 190-408-511	1	MFOS 5.4 SCS Software Installation
●■ 190-408-512	1	MFOS 5.4 SCS Routine Maintenance
●■ 190-408-512	1	MFOS 5.4 SCS Commands and Reports
■ 190-408-524	1	MFOS 5.4 DCRS System Administration V1
●■ 190-408-525	1	MFOS 5.4 DCRS User Guide V1
●■ 190-408-526	1	MFOS 5.4 DCRS Commands and Reports
●■ 190-408-531	1	MFOS 5.4 APS System Administration
●■ 190-408-532	1	MFOS 5.4 APS User Guide
●■ 190-408-533	1	MFOS 5.4 APS Commands and Reports
●■ 190-408-541	1	MFOS 5.4 CCS System Administration

MFOS Software Release 6.1 Documents

●■ 190-408-601	1	MFOS 6.1 SCS Functions — Overview and Reference
●■ 190-408-611	1	MFOS 6.1 SCS Software Installation — Operation and Maintenance Procedures
●■ 190-408-612	1	MFOS 6.1 SCS Routine and Corrective Maintenance — Operation and Maintenance Procedures
●■ 190-408-613	1	MFOS 6.1 SCS Commands and Reports
●■ 190-408-621	1	MFOS 6.1 SMS Subsystem Administrator — Operation and Maintenance Procedures
●■ 190-408-622	1	MFOS SMS User Guide — Operation and Maintenance Procedures

Number	Issue	Subject
●■ 190-408-623	1	MFOS SMS — Commands and Reports, Volumes 1 and 2
●■ 190-408-631	1	MFOS 6.1 APS Subsystem Administrator — Operation and Maintenance Procedures
●■ 190-408-632	1	MFOS 6.1 APS User — Operation and Maintenance Procedures
●■ 190-408-633	1	MFOS 6.1 APS — Commands and Reports
●■ 190-408-641	1	MFOS CCS Subsystem Administrator and User — Operation and Maintenance Procedures
●■ 190-408-643	1	MFOS CCS User — Operation and Maintenance Procedures

190-410 NETSTAR

■ 190-410-301	1	NETSTAR Workstation Guide — BT V3
■ 190-410-303	1	NETSTAR Console Users Guide V1
●■ 190-410-411	2	NETSTAR Workstation User Guide
●■ 190-410-413	2	NETSTAR Console User Guide
■ 190-410-511	1	NETSTAR Workstation User Guide (Italcable Phase 2)
■ 190-410-513	1	NETSTAR Console User Guide (Italcable Phase 2)

190-422 TNM (Total Network Management) Generic 2.3

●■ 190-422-007	1	Common Platform Input Messages
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TNM Surveillance Module (TSM) 2.3

●■ 190-422-100	1	TSM (TNM Surveillance Module) User Guide
●■ 190-422-101	1	TSM Administrator Guide
●■ 190-422-102	1	TSM Description
●■ 190-422-103	1	TSM Input Messages
●■ 190-422-104	1	TSM Output Messages
●■ 190-422-107	1	TSM Transition

TSM Application Guides 2.3

●■ 190-422-109	1	TSM Application Guide — Contains 1AEAPS, 1A ESS, 1 ESS, 2 ESS, 2B ESS, 2STP, and 3 ESS
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Number	Issue	Subject
●■ 190-422-116	1	TSM Application Guide — Contains 4EAPS, 4ESS, 4ETOC, 5EMML, and 5EPDS
●■ 190-422-121	1	TSM Application Guide — Contains BILLDATS, D5, DACS, DACS 2, DACS 3, DACS 4, DATAKIT, DATAKIT II, DMS 10, and DMS 100
●■ 190-422-131	1	TSM Application Guide — Contains GTD-5, NCP, NDB, PSS, SELF, and UDCI
●■ 190-422-141	1	SCCS 13.3.1 to TNM Generic 2 Data Base Upgrade Guide

TNM Integration Module (TIM) 2.3

●■ 190-422-200	1	TIM User Guide
●■ 190-422-201	1	TIM Administrator Guide
●■ 190-422-202	1	TIM Description
●■ 190-422-203	1	TIM Output Messages

TNM/TSM/TIM Feature Packages

●■ 190-422-300	1	TNMTRAN Feature Package
●■ 190-422-301	1	SS7(DSC) Feature Package
●■ 190-422-302	1	SS7 Feature Package
●■ 190-422-303	1	NTMOS Host I/F Feature Package
●■ 190-422-304	1	Event Correlation Ph. 1 Feature Package

5XPRESS™ (TNM)

●■ 190-422-322	1	5XPRESS (TNM) User Guide
●■ 190-422-323	1	5XPRESS Switch Maintenance Expert 2.3 — Administration Guide

190-5 Engineering and Administration Systems**190-510 EADAS (Engineering and Administrative Data Acquisition System)**

● 190-510-020	1	Pollable Data Terminal No. 2A (PDT-2A) — Data Collection Requirements
● 190-510-060	1	Load Measurement Facilities — General Description — Network Design
● 190-510-061	3	Determination of Quantities — Network Switching Engineering

Number	Issue	Subject
● 190-510-062	2	Individual Circuit Usage Recording Subsystem
190-510-100	2	Description
190-510-200	2	Descriptive Supplement for Network Maintenance
190-510-202	1	Traffic Data Converter SD-3B213-01 — Description
190-510-203	1	Pollable Data Terminal No. 1A (PDT-1A) SD-3B232-01 — Description
190-510-204	2	Central Unit — Operating Procedures
190-510-205	2	Central Unit — Trouble Sectionalizing

Traffic Data Converters

190-510-211	2	SD-3B213-01 — Remote Tests
190-510-212	2	SD-3B213-01 — Tests at Converter Location
Addendum	1	
190-510-213	2	SD-3B213-01 — Trouble-Locating Procedures
190-510-214	2	SD-3B213-01 — Connection Verification Tests — Using Input Pulser SD-3B221-01
190-510-215	2	SD-3B213-01 — Connection Verification Tests — Using Test Set SD-3B220-01
190-510-216	2	SD-3B213-01 and SD-95968-01 — Channel Definition and Validation
190-510-217	2	SD-3B213-01 Associated With Traffic Usage Recorder (TUR) SD-95738-01 Equipped With Individual Circuit Usage Recorder (ICUR) Through Tests From Central Control Unit (CCU)

Pollable Data Terminals — PDT-1A and PDT-2A

190-510-221	1	PDT-1A SD-3B232-01 — Remote Tests
190-510-222	1	PDT-1A SD-2B232-01 — Tests
190-510-223	1	PDT-1A SD-3B232-01 — Trouble Locating Procedures
190-510-225	1	PDT-2A With PDT-1A Output Format Used With EADAS — Description
190-510-226	1	PDT-2A Operation With EADAS — Tests and Trouble Locating Procedures

Number	Issue	Subject
System Information (Generic, Definitions, Maintenance, and Messages)		
● 190-510-406	1	Implementation — Coordination
● 190-510-410	1	Central Control Unit Operation
● 190-510-411	1	Load EADAS Generic — Position Practice
● 190-510-412	1	Supply, Modify, and Verify System Definitions — Position Practice
● 190-510-413	1	Maintain Magnetic Tape for Downstream Processing — Position Practice
● 190-510-416	1	Dial Administrator Teletypewriter Operation
● 190-510-418	1	System Definitions
● 190-510-420	1	Surveillance Applications
● 190-510-440	1	Operational Maintenance
● 190-510-441	1	Operational Maintenance — System Messages Catalog

Training Manuals and Guides

● 190-510-470	1	Training Administration Guide
● 190-510-471	1	Instructor's Guide — Central Control Unit Management Training
● 190-510-472	1	Student Manual — Central Control Unit Management Training
● 190-510-473	1	Instructor's Guide — Central Control Unit Clerical Training
● 190-510-474	1	Student Manual — Central Control Unit Clerical Training
190-510-475	1	Dial Administrator's Student Manual
● 190-510-476	1	Dial Administrator's Training Monitor's Guide

Usage Recording

● 190-510-501	2	Individual Circuit Usage Recording - General Description — No. 1
● 190-510-504	1	Implementation — Job Ordering and Coordination — Individual Circuit Usage Recorder
● 190-510-520	1	System Definitions — Individual Circuit Usage Recorder

Number	Issue	Subject
190-511 EADAS 1A (Engineering and Administrative Data Acquisition System — 1A)		
● 190-511-060	2	Load Measurement Facilities — Description and Determination of Quantities — Network Switching Engineering — Operational Support Systems
190-511-100	1	Description
190-511-101	1	230A Repeater SD-5P001-01 — Description
190-511-201	1	Operating Procedures
190-511-202	2	Trouble Sectionalizing
190-512 EADAS/NORGEN (Engineering and Administrative Data Acquisition System — Network Operations Report Generator)		
● 190-512-000	1	General Description — Miscellaneous Systems
● 190-512-005	1	NORGEN — Record Base — Management and Administration — Miscellaneous Systems
● 190-512-010	1	NORGEN CCU Management and Administration — Miscellaneous Systems
● 190-512-015	1	Network Terminal Operations
Reports		
● 190-512-020	3	1/1A ESS Switches — Description
● 190-512-021	3	1/1A ESS Switches — Record Base, Calculation and Report Cross-Reference
● 190-512-022	3	No. 2/2B ESS Switches — Description
● 190-512-023	3	2/2B ESS Switches — Record Base, Calculation, and Report Cross-Reference
● 190-512-030	3	Step-by-Step — Description
190-512-031	3	Step-by-Step — Record Base, Calculation, and Report Cross-Reference
● 190-512-032	3	Step-by-Step Pollable Data Terminal (PDT) — Description
● 190-512-033	3	Step-by-Step Pollable Data Terminal (PDT) — Record Base, Calculation, and Report Cross-Reference
● 190-512-034	4	No. 1 Crossbar — Description

Number	Issue	Subject	Number	Issue	Subject
● 190-512-035	4	No. 1 Crossbar — Record Base, Calculation, and Report Cross-Reference	● 190-520-014	1	Complex Service Order Assignment — No. 5XB and No. 5 ETS — Telephone Number Management
● 190-512-036	3	Crossbar Tandem — Description	● 190-520-015	1	Complex Service Order Assignment — Step-by-Step Telephone Number Management
● 190-512-037	3	Crossbar Tandem — Record Base, Calculation, and Report Cross-Reference	● 190-520-017	2	Text Editor (TED) — File Description, Administration, and Input Procedures for Complex Service Assignment (CSA) and Non-CSA Applications
● 190-512-038	4	No. 5 Crossbar	● 190-520-020	1	Miscellaneous Number Assignment — Telephone Number Management
● 190-512-039	4	No. 5 Crossbar — Record Base, Calculations, and Report Cross-Reference	190-520-021	2	COSMOS/PREMISES Information System (PREMIS) Interface — Telephone Number Management
● 190-512-040	3	Trunking — Description	● 190-520-030	1	Overview and System Reports — Line Equipment Management
● 190-512-041	3	Trunking — Record Base, Calculation, and Report Cross-Reference	● 190-520-032	1	Entity Loading — Line Equipment Management
190-514 SONDS (Small Office Network Data System) and PDT-2A (Pollable Data Terminal No. 2A)			190-520-034	1	Line Equipment Transfers — Line Equipment Management
● 190-514-020	1	PDT-2A — Data Collection Requirements	● 190-520-035	1	Assignments — Complex Service Orders — Line Equipment Management
● 190-514-060	2	PDT-2A — Determination of Quantities	190-520-036	1	Class of Service Allocation — Line Equipment Management
190-514-101	3	SONDS Using PDT-2A — Description and Operation	190-520-037	1	Service Evaluation Assignment — Description
190-514-301	2	SONDS Using PDT-2A — Tests and Trouble Locating Procedures	● 190-520-040	2	General Overview — Data Base Maintenance Procedures
190-519 NAC (Network Administration Center)			● 190-520-041	2	Discrepancy Identification — Data Base Maintenance Procedures
190-519-600	1	Center Evaluation — Premises Information System (PREMIS)	● 190-520-042	3	Discrepancy Corrective Transactions — Data Base Maintenance Procedures
190-520 COSMOS (Computer System for Main Frame Operations) — Network Administration			● 190-520-050	1	System Backup Procedures
● 190-520-005	5	Operational Review — Procedures	● 190-520-051	2	Responsibilities for Area/Dial Transfers — Description
190-520-006	1	Operational Review — Generic 9.0 Procedures	● 190-520-060	1	Centrex Management — Guidelines
Addendum	1		190-520-100	2	System Description and Administration
190-520-007	2	Dedicated Inside Plant (DIP) Administration — Guidelines	190-520-220	1	Frame Management — Administrative Guidelines and Procedures
● 190-520-010	1	Overview and System Reports — Telephone Number Management			
190-520-011	2	Telephone Number Aging — Telephone Number Management			
● 190-520-013	2	Type and Status Changes — Telephone Number Management			

Number	Issue	Subject	Number	Issue	Subject
190-521 RMAS (Remote Memory Administration System) and RMAP (Remote Memory Administration Position)			● 190-540-415	2	Data Base — Office and Trunking File Construction
190-521-101	1	RMAP — Description	● 190-540-418	3	General Description CRT Display System
190-521-200	2	RMAS — Description	● 190-540-419	4	Trunk Group Pages — CRT Display System
190-521-201	1	RMAP — Operating Procedures	● 190-540-420	1	Display System — Machine Data Displays
190-521-202	2	RMAP — Trouble Sectionalizing	● 190-540-421	3	Control Pages — Display System — Operations Support Systems
Addendum	1		● 190-540-422	3	Input and Monitor Pages — Cathode Ray Tube Display System — Description
190-521-203	1	RMAP — Acceptance Tests	● 190-540-423	2	Exception Pages — Cathode Ray Tube Display System — Description
190-521-211	1	RMAS — Operating Procedures	● 190-540-424	3	Analysis Pages — CRT Display System — Description
190-521-212	1	RMAS — Trouble Isolation and Recovery Procedures	● 190-540-425	1	Machine Data Pages — CRT Display System — General Description
190-521-213	1	RMAS — Acceptance Test Procedures	● 190-540-426	1	No. 4XB Machine Data Summary — CRT Display Pages
190-521-214	1	RMAS — Retrofit Procedures	● 190-540-427	1	4ESS Switch Machine Data Summary — CRT Display Pages
190-540 EADAS/NM (Engineering and Administrative Data Acquisition System/Network Management)			190-540-429	1	No. 5 Crossbar Machine Data Summary — Cathode Ray Tube Display Pages Description
● 190-540-060	1	Network Management	190-540-430	1	No. 1 Crossbar Machine Data Summary — Cathode Ray Tube Display Page Description
190-540-100	4	Description	190-540-431	1	Step-by-Step Machine Data Summary — Cathode Ray Tube Display Page Description
190-540-200	2	Descriptive Supplement for Network Maintenance	● 190-540-432	2	1/1A ESS Switches Cathode Ray Tube (CRT) Display Page Description
190-540-201	2	Central Unit — Maintenance Operation Procedures	● 190-540-434	1	1 ESS Traffic Direction — CRT Display Page
190-540-202	1	Central Unit — Trouble Sectionalizing EADAS/NM	● 190-540-437	3	Reroute Package — Description
190-540-203	2	Wall Display Board — Assignment Guidelines	● 190-540-470	1	Central Control Unit Operations — Training Administration Guide
190-540-204	1	Wall Display Board — Tests	190-540-471	1	Instructor Guide — Central Control Unit Clerical Training
190-540-205	2	Interfaces — Integration Procedures and Tests	● 190-540-472	1	Central Control Unit Operations Training
● 190-540-401	1	System Description			
● 190-540-406	2	Network Exception Display Board			
● 190-540-408	1	Central Control Unit — Administrative Procedures — Operating Support Systems			
● 190-540-409	2	Load Generic Program — Position Practice			
190-540-410	2	Load, Create, Install, and Back Up the Data Base — Position Practice			
● 190-540-411	2	General Central Control Unit (CCU) Operations — Position Guide			
● 190-540-414	3	Data Base Encoding Instructions			

Number	Issue	Subject
190-7 Integrated and Force Administration System		
190-701 IFFAS (Integrated Facilities and Force Administration System)		
190-701-100	1	Description and Operation
190-701-201	1	Trouble-Locating Procedures