



FR/DR Microwave Radio Systems

1. Purpose

- 1.01 This index provides a listing of documents in Division 421.

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" (◻) 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 An archived document is one that, in all probability, will never be revised and/or has had no distribution activity for an extended period of time.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" (⊙) 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

Division 421

FR/DR Microwave Radio Systems

421-0 Indexes and General Information

- 100 IXN Frequency Diversity and Hot Standby — Maintenance Center Operations
- 101 Frequency Diversity — Operation and Maintenance — Maintenance Support
- 102 Frequency Diversity — Operation and Maintenance — Terminal Station
- 103 Frequency Diversity — Operation and Maintenance — Regenerator Station
- 104 Hot Standby — Operation and Maintenance — Maintenance Support
- 105 Hot Standby — Operation and Maintenance — Terminal Station
- 106 Hot Standby — Operation and Maintenance — Regenerator Station
- 109 Frequency Diversity — Turnup Procedures

421-2 DR6/11-90A, DR6/11-135, and FR6 Microwave Radio Systems

421-3 International Digital Radio Systems

-300 DR6/DR11

Number Issue Subject

421-0 Indexes and General Information

- 421-000-000 56 Numerical Index -- Division 421 — FR/DR Microwave Radio Systems
- 421-001-011 1 Equipment Test List — DR6/30 Digital System
- 421-001-012 1 Equipment Test List — DR11/40 Digital System
- 421-001-013 1 Equipment Test List — FR6/30 Analog System

Number Issue Subject

421-1 Microwave Radio System — DR6/11-135A and 135EC

421-100 IXN Frequency Diversity and Hot Standby — Maintenance Center Operations

- 421-100-001 1 Serial Alarm Reporting — DR6/11-135A and 135EC
NOTE: Provides binder, tabs, and the documents listed below.
- 421-100-002 421-100-004
- 421-100-005 421-100-006
- 421-100-007 421-100-008
- 421-100-009 421-100-010
- 421-100-032

- 421-100-002 3 Document Contents List for AT&T 421-100-001

Frequency Diversity

- 421-100-004 2 Route Diagrams
- Addendum 1
- 421-100-005 1 Alarm Analysis Procedures
- 421-100-006 1 Repair Verification and System Restoral
- Addendum 1
- 421-100-007 2 Scan Point Explanations
- 421-100-008 2 Control Point Explanations
- 421-100-009 1 Remote System Operations
- 421-100-010 3 Glossary for 421-100 Layer Documents
- 421-100-011 2 Document Contents List for AT&T 421-100-080
- 421-100-012 1 Discrete Alarm Reporting DR 6/11-135A and 135EC — Document Contents
- 421-100-013 2 Document Contents List for AT&T 421-100-090
- 421-100-016 2 Route Diagrams
- Addendum 1
- 421-100-017 1 Alarm Analysis Procedures
- 421-100-018 1 Repair Verification and System Restoral
- 421-100-019 1 Scan Point Explanations
- 421-100-020 1 Control Point Explanations
- 421-100-021 1 Remote System Operations
- 421-100-032 2 Discrete Alarm Reporting DR 6/11-135A and 135EC — Document Introduction

Number	Issue	Subject
421-100-033	1	Discrete Alarm Reporting DR 6/11-135A and 135EC — Alarm Analysis Procedures
421-100-034	1	Discrete Alarm Reporting DR 6/11-135A and 135EC — Repair Verification and System Restoral
421-100-035	1	Discrete Alarm Reporting DR 6/11-135 and 135EC — Remote System Operations
421-100-037	1	Discrete Alarm Reporting DR 6/11-135A and 135EC — Scan Point Explanations
421-100-038	1	Discrete Alarm Reporting DR 6/11-135A and 135EC — Control Point Explanations
421-100-043	1	Alarm Analysis Procedures
421-100-044	1	Repair Verification and System Restoral
Addendum	1	
421-100-047	1	Scan Point Explanations
421-100-048	1	Control Point Explanations
421-100-060	1	DR6/11-135 Digital Radio Frequency Diversity — Discrete Telemetry — Maintenance Center Operation NOTE: Provides binder, tabs, and the documents listed below.
		421-100-004 421-100-010
		421-100-012 421-100-032
		421-100-033 421-100-034
		421-100-035 421-100-037
		421-100-038
421-100-080	1	Serial Alarm Reporting NOTE: Provides binder, tabs, and the documents listed below.
		421-100-010 421-100-011
		421-100-016 421-100-017
		421-100-018 421-100-019
		421-100-020 421-100-021
		421-100-032
421-100-090	1	Discrete Telemetry NOTE: Provides binder, tabs, and the documents listed below.
		421-100-010 421-100-013
		421-100-016 421-100-021
		421-100-032 421-100-044
		421-100-043 421-100-047
		421-100-048

Number	Issue	Subject
421-101 1xN Frequency Diversity — Operation and Maintenance — Maintenance Support		
421-101-001	1	Maintenance Support — DR6/11-135A NOTE: Provides binder, tabs, and the documents listed below.
		421-101-002 421-101-003
		421-101-004 421-101-006
		421-101-007 421-101-008
		421-101-009 421-101-010
		421-101-011 421-101-012
		421-101-013 421-101-014
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		421-101-018 421-101-020
		421-101-022 421-101-023
		421-101-024 421-101-025
		421-101-028 421-104-021
		421-104-026
421-101-002	3	Document Contents List for AT&T 421-101-001
421-101-003	4	Document Introduction for AT&T 421-101-001
421-101-004	2	System Performance Diagnostics
421-101-005	3	Document Contents List for AT&T 421-101-060
Description		
421-101-006	2	General
Addendum	1	
421-101-007	2	Terminal
Addendum	1	
421-101-008	2	Regenerator
Addendum	1	
421-101-009	3	Radio
Addendum	1	
421-101-010	3	Circuit Packs

Equipment Identification

421-101-011	2	General
Addendum	1	
421-101-012	3	Terminal
421-101-013	3	Regenerator
Addendum	1	
421-101-014	3	Radio

Number	Issue	Subject
Addendum	1	
421-101-015	3	Controls, Jacks, Indications, and Options
Special Sections		
421-101-017	3	Special Replacement Procedures
421-101-018	2	Route Diagrams
421-101-020	3	Glossary for 421-101 Layer Documents
Tests		
421-101-022	2	DS3 to DS3 Performance Check
421-101-023	3	Pseudo Error, CRC Error, and Frame Loss Event Monitoring
421-101-024	3	Phase Plane Display Diagnosis
421-101-025	3	DR6/11-135 Digital Radio System — Maintenance Support — Radio Transmission Tests
421-101-028	1	DADE (Differential Absolute Delay Equalization)
421-101-042	3	Terminal — Description
Addendum	1	
421-101-043	2	Regenerator — Description
421-101-044	3	Circuit Packs — Description
Addendum	2	
421-101-045	2	Terminal — Equipment Identification
Addendum	1	
421-101-046	2	Regenerator — Equipment Identification
421-101-047	3	Controls, Jacks, Indications, and Options
421-101-060	1	Maintenance Support — 135EC NOTE: Provides binder, tabs, and the documents listed below.
421-101-003		421-101-004
421-101-005		421-101-006
421-101-009		421-101-011
421-101-014		421-101-017
421-101-018		421-101-020
421-101-022		421-101-023
421-101-024		421-101-025
421-101-028		421-101-042
421-101-043		421-101-044
421-101-045		421-101-046
421-101-047		421-104-021
421-104-026		

Number	Issue	Subject
421-102 Frequency Diversity — Operation and Maintenance — Terminal Station		
421-102-001	1	TWT Amplifier — DR6/11-135A NOTE: Provides binder, tabs, and the documents listed below.
421-102-002		421-102-003
421-102-004		421-102-010
421-102-011		421-102-012
421-102-018		421-102-020
421-102-021		421-102-022
421-102-023		421-102-024
421-102-025		421-102-026
421-102-030		421-102-031
421-102-032		421-102-033
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421-102-046		421-102-047
421-102-049		421-102-050
421-102-051		421-102-060
421-102-061		421-102-062
421-102-070		421-102-071
421-102-072		421-102-073
421-102-074		421-102-075
■ 421-102-001AC	1	TWT Amplifier — 135A NOTE: Provides binder, tabs, and the documents listed below.
421-102-003		421-102-004
421-102-005AC		421-102-010
421-102-011		421-102-012
421-102-018		421-102-020
421-102-021		421-102-022
421-102-023		421-102-024
421-102-025		421-102-026
421-102-030		421-102-031
421-102-032		421-102-033
421-102-040		421-102-041
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421-102-044		421-102-045
421-102-046		421-102-047
421-102-049		421-102-050
421-102-051		421-102-060
421-102-061		421-102-062
421-102-080AC		421-102-081AC
421-102-082AC		421-102-083AC
421-102-084AC		421-102-085AC
421-102-086AC		
421-102-002	3	General

Number	Issue	Subject	Number	Issue	Subject
■ 421-102-002AC	3	Solid-State Amplifier — 135A NOTE: Provides binder, tabs, and the documents listed below.	421-102-004	2	System Operations
		421-102-003 421-102-004	■ 421-102-004AC	1	Solid-State Amplifier — 135EC NOTE: Provides binder, tabs, and the documents listed below.
		421-102-006AC 421-102-010			421-102-003 421-102-009
		421-102-011 421-102-012			421-102-010 421-102-011
		421-102-013 421-102-014			421-102-013 421-102-014
		421-102-018 421-102-020			421-102-015 421-102-016
		421-102-021 421-102-022			421-102-017 421-102-018
		421-102-023 421-102-024			421-102-020 421-102-021
		421-102-025 421-102-026			421-102-022 421-102-023
		421-102-035 421-102-038			421-102-024 421-102-025
		421-102-039 421-102-040			421-102-026 421-102-028
		421-102-041 421-102-042			421-102-035 421-102-038
		421-102-043 421-102-044			421-102-042 421-102-043
		421-102-045 421-102-046			421-102-044 421-102-045
		421-102-047 421-102-051			421-102-046 421-102-047
		421-102-052 421-102-060			421-102-048 421-102-052
		421-102-062 421-102-063			421-102-060 421-102-062
		421-102-080AC 421-102-081AC			421-102-063 421-102-080AC
		421-102-082AC 421-102-083AC			421-102-081AC 421-102-083AC
		421-102-085AC 421-102-086AC			421-102-086AC 421-102-087AC
		421-102-087AC			421-102-088AC 421-102-089AC
					421-102-091AC
421-102-003	5	Document Introduction for AT&T 421-102-001, -001AC, -002AC, and -080	421-102-005	2	Document Contents List for AT&T 421-102-080
■ 421-102-003AC	1	TWT Amplifier — 135EC NOTE: Provides binder, tabs, and the documents listed below.	■ 421-102-005AC	2	Document Contents List for AT&T 421-102-001AC
		421-102-003 421-102-009	Addendum	1	
		421-102-010 421-102-011	421-102-006	3	Document Contents List for AT&T 421-102-090
		421-102-015 421-102-016	■ 421-102-006AC	1	Document Contents List for AT&T 421-102-002AC
		421-102-017 421-102-018	Addendum	1	
		421-102-020 421-102-021	421-102-007	3	Document Contents List for AT&T 421-102-100
		421-102-022 421-102-023	Addendum	1	
		421-102-024 421-102-025	421-102-009	1	Terminal Station Operations
		421-102-026 421-102-027	421-102-010	1	Maintenance Introduction
		421-102-028 421-102-030	Addendum	1	
		421-102-031 421-102-032	421-102-011	3	Station Alarm Trouble Isolation
		421-102-033 421-102-042	421-102-012	3	Service Protection
		421-102-043 421-102-044	421-102-013	2	Solid State Amplifier —DC Power Diagnosis
		421-102-045 421-102-046	421-102-014	2	RF Power Alarm
		421-102-047 421-102-049	Addendum	1	
		421-102-060 421-102-061	421-102-015	2	Terminal Trouble Isolation
		421-102-062 421-102-080AC			
		421-102-081AC 421-102-083AC			
		421-102-084AC 421-102-086AC			
		421-102-088AC 421-102-089AC			
		421-102-090AC			

Number	Issue	Subject
Addendum	1	
421-102-016	3	DC Power Alarm
421-102-017	1	Service Protection
□ 421-102-018	2	Receiver Subroutines

Radio Receiver Trouble Isolation

421-102-020	4	DR 6/11-135A and 135EC — Radio Receiver Trouble Isolation
421-102-021	4	RF Preamplifier Alarm
421-102-022	3	DC Power Alarm
421-102-023	4	Generator Oven Alarm
421-102-024	3	IF Amplifier Alarm
421-102-025	3	Adaptive Equalizer Alarm
421-102-026	3	Combiner Alarm (Space Diversity Only)
421-102-027	3	0 Verification
● 421-102-028	5	Annual FCC Tests (2-94)
■ Supplement	1	Supplement to 421-102-029. HP11758T DRTS (Digital Radio Test System) Supplement Package.
421-102-029	4	Operation and Maintenance, Terminal Station 1xN Frequency Diversity, DR6/11-135EC, Station Procedures

Radio Transmitter Trouble Isolation

421-102-030	2	General
421-102-031	3	DC Power Alarm
421-102-032	3	Generator Oven Alarm
421-102-033	3	RF Power Alarm
■ Supplement	1	Supplement to 421-102-034. HP11758T DRTS Supplement Package.
421-102-034	4	Operation and Maintenance, Terminal Station — 1xN Frequency Diversity, DR6/11-135ED, Terminal Procedures
421-102-035	2	Radio Transmitter Trouble Isolation
421-102-038	2	Generator Oven Alarm — Maintenance
421-102-039	2	Repair Verification — Maintenance

Number	Issue	Subject
Terminal Trouble Isolation		
421-102-040	1	General
421-102-041	2	DC Power Alarm
Addendum	1	
421-102-042	2	Fan Fail Alarm
Addendum	1	
421-102-043	3	Control System Alarm
Addendum	1	
421-102-044	2	Digital Receiver Alarm
Addendum	1	
421-102-045	2	Digital Transmitter Alarm
Addendum	2	
421-102-046	2	Excess Alarm
Addendum	1	
421-102-047	2	Signaling Fail Alarm

Maintenance

421-102-048	3	Repair Verification
421-102-049	1	Transmitter Subroutines

Special Sections

421-102-050	3	Repair Verification
421-102-051	3	Annual FCC Tests
421-102-052	1	Transmitter Subroutines — Maintenance

Replacement Procedures

Addendum	1	
421-102-060	3	Radio Receiver
Addendum	1	
421-102-061	3	Radio Transmitter
421-102-062	2	Terminal
421-102-063	1	Radio Transmitter

Tests and Adjustments

421-102-070	4	Test Equipment and Accessories
421-102-071	3	Station Procedures
■ Supplement	1	Supplement to 421-102-072. HP11758T DRTS Supplement Package.
421-102-072	4	Radio Receiver Procedures
421-102-073	4	Radio Transmitter Procedures (6-92) Supplement to 421-102-073. HP11758T DRTS Supplement Package.

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Addendum	1		421-102-018		421-102-020
421-102-074	3	Terminal Procedures	421-102-021		421-102-022
421-102-075	2	Glossary	421-102-023		421-102-024
■ Supplement	1	Supplement to 421-102-076. HP11758T DRTS Supplement Package.	421-102-025		421-102-026
421-102-076	3	Radio Transmitter Procedures	421-102-027		421-102-028
421-102-080	1	Solid-State Amplifier — 135A NOTE: Provides binder, tabs, and the documents listed below.	421-102-029		421-102-030
		421-102-003 421-102-004	421-102-031		421-102-032
		421-102-005 421-102-010	421-102-033		421-102-034
		421-102-011 421-102-012	421-102-042		421-102-043
		421-102-013 421-102-014	421-102-044		421-102-045
		421-102-018 421-102-020	421-102-046		421-102-047
		421-102-021 421-102-022	421-102-049		421-102-060
		421-102-023 421-102-024	421-102-061		421-102-062
		421-102-025 421-102-026	421-102-070		421-102-072
		421-102-035 421-102-038	421-102-073		421-102-075
		421-102-039 421-102-040			
		421-102-041 421-102-042	■ 421-102-090AC	3	Document Contents List for AT&T 421-102-003AC
		421-102-043 421-102-044	■ 421-102-091AC	2	Document Contents List for AT&T 421-102-004AC
		421-102-045 421-102-046	421-102-100	1	Solid-State Amplifier — 135EC NOTE: Provides binder, tabs, and the documents listed below.
		421-102-047 421-102-051			421-102-007 421-102-003
		421-102-052 421-102-060			421-102-009 421-102-010
		421-102-062 421-102-063			421-102-011 421-102-013
		421-102-070 421-102-071			421-102-014 421-102-015
		421-102-072 421-102-074			421-102-016 421-102-017
		421-102-075 421-102-076			421-102-018 421-102-020
■ 421-102-080AC	2	Test Equipment and Accessories			421-102-021 421-102-022
■ 421-102-081AC	1	ME645A MRTS (Microwave Ra- dio Test Set)			421-102-023 421-102-024
■ 421-102-082AC	2	Station Procedures			421-102-025 421-102-026
■ 421-102-083AC	2	Radio Receiver Procedures			421-102-028 421-102-029
■ 421-102-084AC	2	Radio Transmitter Procedures			421-102-034 421-102-035
■ Addendum AC	1				421-102-038 421-102-042
■ 421-102-085AC	2	Terminal Procedures			421-102-043 421-102-044
■ 421-102-086AC	1	Glossary			421-102-045 421-102-046
■ 421-102-087AC	1	Radio Transmitter Procedures			421-102-047 421-102-048
■ 421-102-088AC	2	Terminal Procedures			421-102-052 421-102-060
■ Addendum AC	1				421-102-062 421-102-063
■ 421-102-089AC	1	Station Procedures			421-102-070 421-102-072
421-102-090	1	TWT Amplifier — 135EC NOTE: Provides binder, tabs, and the documents listed below.			421-102-075 421-102-076
		421-102-006 421-102-003	421-103 Frequency Diversity — Operation and Maintenance — Regenerator Station		
		421-102-009 421-102-010	421-103-001	1	TWT Amplifier — DR6/11-135A NOTE: Provides binder, tabs, and the documents listed below.
		421-102-011 421-102-015			421-102-018 421-102-020
		421-102-016 421-102-017			421-102-021 421-102-022
					421-102-023 421-102-024

Number	Issue	Subject	Number	Issue	Subject
		421-102-025 421-102-026			421-102-047 421-102-052
		421-102-030 421-102-031			421-102-060 421-102-063
		421-102-032 421-102-033			421-102-080AC 421-102-081AC
		421-102-042 421-102-047			421-102-083AC 421-102-086AC
		421-102-049 421-102-060			421-102-087AC 421-103-004
		421-102-061 421-102-070			421-103-006AC 421-103-010
		421-102-072 421-102-073			421-103-011 421-103-012
		421-102-075 421-103-002			421-103-040 421-103-041
		421-103-003 421-103-004			421-103-043 421-103-044
		421-103-010 421-103-011			421-103-045 421-103-046
		421-103-012 421-103-040			421-103-051 421-103-052
		421-103-041 421-103-043			421-103-062 421-103-082AC
		421-103-044 421-103-045			421-103-085AC
		421-103-046 421-103-050			
		421-103-051 421-103-062			
		421-103-071 421-103-074			
■ 421-103-001AC	1	TWT Amplifier — 135A NOTE: Provides binder, tabs, and the documents listed below.	■ 421-103-003AC	1	TWT Amplifier — 135EC NOTE: Provides binder, tabs, and the documents listed below.
		421-102-018 421-102-020			421-102-003 421-102-018
		421-102-021 421-102-022			421-102-020 421-102-021
		421-102-023 421-102-024			421-102-022 421-102-023
		421-102-025 421-102-026			421-102-024 421-102-025
		421-102-030 421-102-031			421-102-026 421-102-030
		421-102-032 421-102-033			421-102-031 421-102-032
		421-102-042 421-102-047			421-102-033 421-102-042
		421-102-049 421-102-060			421-102-047 421-102-049
		421-102-061 421-102-080AC			421-102-060 421-102-061
		421-102-081AC 421-102-083AC			421-102-080AC 421-102-081AC
		421-102-084AC 421-102-086AC			421-102-083AC 421-102-084AC
		421-103-003 421-103-004			421-102-086AC 421-103-004
		421-103-005AC 421-103-010			421-103-007AC 421-103-010
		421-103-011 421-103-012			421-103-011 421-103-012
		421-103-040 421-103-041			421-103-040 421-103-041
		421-103-043 421-103-044			421-103-043 421-103-044
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		421-103-050 421-103-051			421-103-050 421-103-051
		421-103-062 421-103-082AC			421-103-062 421-103-087AC
		421-103-085AC			421-103-088AC
421-103-002	4	1XN — DR 6/11-135A — TWT Amplifier — Document Contents	421-103-004	1	System Operations
■ 421-103-002AC	1	Solid-State Amplifier — 135A NOTE: Provides binder, tabs, and the documents listed below.	■ 421-103-004AC	1	Solid-State Amplifier — 135EC NOTE: Provides binder, tabs, and the documents listed below.
		421-102-003 421-102-013			421-102-003 421-102-013
		421-102-014 421-102-018			421-102-014 421-102-018
		421-102-020 421-102-021			421-102-020 421-102-021
		421-102-022 421-102-023			421-102-022 421-102-023
		421-102-024 421-102-025			421-102-024 421-102-025
		421-102-026 421-102-035			421-102-026 421-102-035
		421-102-038 421-102-042			421-102-038 421-102-042
		421-102-047 421-102-052			421-102-047 421-102-052
		421-102-060 421-102-063			421-102-060 421-102-063
		421-102-080AC 421-102-081AC			421-102-080AC 421-102-081AC
		421-102-083AC 421-102-086AC			421-102-083AC 421-102-086AC

Number	Issue	Subject	Number	Issue	Subject
■ 421-103-087AC	1	Station Procedures	421-104 Hot Standby — Operation and Maintenance — Maintenance Support		
■ 421-103-088AC	1	Regenerator Procedures	421-104-001	1	Maintenance Support — DR6/11-135A NOTE: Provides binder, tabs, and the documents listed below.
421-103-090	1	TWT Amplifier — 135EC NOTE: Provides binder, tabs, and the documents listed below.			
		421-102-018 421-102-020			421-101-020 421-101-024
		421-102-021 421-102-022			421-104-002 421-101-003
		421-102-023 421-102-024			421-104-004 421-104-006
		421-102-025 421-102-026			421-104-007 421-104-008
		421-102-030 421-102-031			421-104-009 421-104-010
		421-102-032 421-102-033			421-104-011 421-104-012
		421-102-042 421-102-047			421-104-013 421-104-014
		421-102-049 421-102-060			421-104-015 421-104-017
		421-102-061 421-102-070			421-104-018 421-104-021
		421-102-072 421-102-073			421-104-022 421-104-023
		421-102-075 421-103-004			421-104-025 421-104-026
		421-103-006 421-102-003			421-104-028
		421-103-010 421-103-011			
		421-103-012 421-103-013			
		421-103-040 421-103-041			
		421-103-043 421-103-044	421-104-002	3	Document Contents List for AT&T 421-104-001
		421-103-045 421-103-046	421-104-004	1	System Performance Diagnostics
		421-103-050 421-103-051	421-104-006	1	General Description
		421-103-062 421-103-076	Addendum	1	
421-103-100	1	Solid-State Amplifier — 135EC NOTE: Provides binder, tabs, and the documents listed below.	421-104-007	1	Terminal — Description — 135A
		421-102-013 421-102-014	Addendum	1	
		421-102-018 421-102-020	421-104-008	1	Regenerator — Description — 135A
		421-102-021 421-102-022	421-104-009	2	Radio — Description
		421-102-023 421-102-024	421-104-010	2	Circuit Packs — Description — 135A
		421-102-025 421-102-026			
		421-102-035 421-102-038	421-104-011	1	General Equipment Identification
		421-102-042 421-102-047	Addendum	2	
		421-102-052 421-102-060	421-104-012	1	Terminal — Equipment Identification — 135A
		421-102-063 421-102-070	Addendum	2	
		421-102-072 421-102-075	421-104-013	1	Regenerator — Equipment Identification — 135A
		421-102-076 421-103-004	421-104-014	2	Radio — Equipment Identification
		421-103-007 421-102-003	421-104-015	2	Controls, Jacks, Indications, and Options — 135A
		421-103-010 421-103-011	Addendum	1	
		421-103-012 421-103-013	421-104-017	1	Special Replacement Procedures
		421-103-040 421-103-041	421-104-018	1	Route Diagrams
		421-103-043 421-103-044			
		421-103-045 421-103-046			
		421-103-051 421-103-052			
		421-103-062 421-103-076			

Number	Issue	Subject	Number	Issue	Subject	
Addendum	1		421-105 Hot Standby — Operation and Maintenance — Terminal Station			
421-104-021	3	Continuous Performance Monitoring	421-105-001	1	TWT Amplifier — DR6/11-135A NOTE: Provides binder, tabs, and the documents listed below.	
421-104-022	1	DS3 to DS3 Performance	421-105-002		421-102-003	
421-104-023	1	Pseudo Error, CRC Error, and Frame Loss Event Monitoring	421-105-004		421-105-010	
421-104-025	1	Radio Transmission Tests	421-105-011		421-105-012	
421-104-026	2	Tests — DR/6	421-105-020		421-105-021	
421-104-027	1	Tests — DR/11	421-105-022		421-105-023	
421-104-028	1	DADE (Differential Absolute Delay Equalization)	421-105-024		421-105-025	
421-104-040	3	Document Contents List for AT&T 421-104-060	421-105-030		421-105-031	
Addendum	1		421-105-032		421-105-033	
421-104-042	1	DR6/11-135EC — Hot Standby — Terminal Description — Maintenance Support	421-105-038		421-105-039	
Addendum	1		421-105-040		421-105-041	
421-104-043	1	DR6/11-135EC — Hot Standby — Regenerator Description — Maintenance Support	421-105-042		421-105-043	
Addendum	1		421-105-044		421-105-045	
421-104-044	2	DR6/11-135EC — Hot Standby (em Circuit Pack Descriptions — Maintenance Support	421-105-046		421-105-047	
Addendum	2		421-105-050		421-105-051	
421-104-045	1	Terminal — Equipment Identification — 135EC	421-105-060		421-105-061	
Addendum	2		421-105-062		421-105-070	
421-104-046	1	Regenerator — Equipment Identification — 135EC	421-105-062		421-105-070	
421-104-047	2	Controls, Jacks, Indications, and Options — 135EC	421-105-071		421-105-072	
421-104-060	1	Maintenance Support — DR6/11-135EC NOTE: Provides binder, tabs, and the documents listed below.	421-105-073		421-105-074	
		421-101-003	421-101-020			
		421-101-024	421-104-004			
		421-104-006	421-104-009			
		421-104-011	421-104-014			
		421-104-017	421-104-018			
		421-104-021	421-104-022			
		421-104-023	421-104-025			
		421-104-026	421-104-028			
		421-104-040	421-104-042			
		421-104-043	421-104-044			
		421-104-045	421-104-046			
		421-104-047				
				421-105-001AC	1	TWT Amplifier — DR6/11-135A NOTE: Provides binder, tabs, and the documents listed below.
				421-102-003		421-105-004
				421-105-005AC		421-105-010
				421-105-011		421-105-012
				421-105-020		421-105-021
				421-105-022		421-105-023
				421-105-024		421-105-025
				421-105-030		421-105-031
				421-105-032		421-105-033
				421-105-038		421-105-039
				421-105-040		421-105-041
				421-105-042		421-105-043
				421-105-044		421-105-045
				421-105-046		421-105-047
				421-105-050		421-105-051
				421-105-060		421-105-061
				421-105-062		421-105-080AC
				421-105-081AC		421-105-082AC
				421-105-083AC		421-105-084AC
				421-105-085AC		421-105-086AC
			421-105-002	2	Hot Standby DR 6/11-135A — TWT Amplifier Document Contents	

Number	Issue	Subject
■ 421-105-002AC	1	Solid-State Amplifier — DR6-135A NOTE: Provides binder, tabs, and the documents listed below.
		421-102-003 421-105-004
		421-105-006AC 421-105-010
		421-105-011 421-105-012
		421-105-020 421-105-021
		421-105-022 421-105-023
		421-105-024 421-105-025
		421-105-028 421-105-029
		421-105-034 421-105-036
		421-105-037 421-105-038
		421-105-040 421-105-041
		421-105-042 421-105-043
		421-105-044 421-105-045
		421-105-046 421-105-047
		421-105-049 421-105-051
		421-105-060 421-105-062
		421-105-063 421-105-080AC
		421-105-081AC 421-105-082AC
		421-105-083AC 421-105-085AC
		421-105-086AC 421-105-088AC
■ 421-105-003AC	1	TWT Amplifier — DR6/11-135EC NOTE: Provides binder, tabs, and the documents listed below.
		421-102-003 421-105-007AC
		421-105-009 421-105-010
		421-105-011 421-105-012
		421-105-013 421-105-014
		421-105-018 421-105-019
		421-105-020 421-105-021
		421-105-022 421-105-023
		421-105-024 421-105-025
		421-105-030 421-105-031
		421-105-032 421-105-033
		421-105-038 421-105-039
		421-105-042 421-105-043
		421-105-044 421-105-045
		421-105-046 421-105-047
		421-105-060 421-105-061
		421-105-062 421-105-080AC
		421-105-081AC 421-105-083AC
		421-105-084AC 421-105-086AC
		421-105-087AC 421-105-089AC
421-105-004	2	System Operations — 135A Hot Standby

Number	Issue	Subject
■ 421-105-004AC	1	Solid-State Amplifier — DR6-135EC NOTE: Provides binder, tabs, and the documents listed below.
		421-102-003 421-105-008AC
		421-105-009 421-105-010
		421-105-011 421-105-012
		421-105-013 421-105-014
		421-105-019 421-105-020
		421-105-021 421-105-022
		421-105-023 421-105-024
		421-105-025 421-105-028
		421-105-029 421-105-035
		421-105-036 421-105-037
		421-105-038 421-105-042
		421-105-043 421-105-044
		421-105-045 421-105-046
		421-105-047 421-105-049
		421-105-060 421-105-062
		421-105-063 421-105-080AC
		421-105-081AC 421-105-083AC
		421-105-086AC 421-105-087AC
		421-105-088AC 421-105-089AC
421-105-005	2	Document Contents List for AT&T 421-105-090
■ 421-105-005AC	2	Document Contents List for AT&T 421-105-001AC
421-105-006	2	Document Contents List for AT&T 421-105-080
■ 421-105-006AC	1	Document Contents List for AT&T 421-105-002AC
421-105-007	2	Document Contents List for AT&T 421-105-100
■ 421-105-007AC	2	Document Contents List for AT&T 421-105-003AC
■ 421-105-008AC	2	Document Contents List for AT&T 421-105-004AC
421-105-009	2	System Operations — 135EC
Maintenance		
421-105-010	1	Introduction
421-105-011	2	Station Alarm Trouble Isolation
421-105-012	1	Service Protection
421-105-013	1	Terminal Trouble Isolation — 135EC
421-105-014	1	DC Power Alarm — 135EC
421-105-018	2	Repair Verification — 135EC — TWT Amplifier

Number	Issue	Subject	Number	Issue	Subject
421-105-019	1	Annual FCC Tests — 135EC	Replacement Procedures		
421-105-020	1	Radio Receiver Trouble Isolation	421-105-060	1	Radio Receiver
421-105-021	1	RF Preamp Alarm	421-105-061	2	Radio Transmitter — TWT Amplifier
421-105-022	2	DC Power Diagnosis	421-105-062	1	Terminal
421-105-023	2	Generator Oven Alarm	421-105-063	2	Radio Transmitter — Solid-State Amplifier
421-105-024	2	IF Amplifier Alarm	Tests and Adjustments		
421-105-025	2	Adaptive Equalizer Alarm	421-105-070	1	Test Equipment and Accessories
421-105-026	1	Station Procedures — 135EC	421-105-071	1	Station Procedures — 135A
421-105-027	1	Terminal Procedures — 135EC	421-105-072	2	Radio Receiver Procedures
Addendum	1		Addendum	1	
421-105-028	1	Radio Transmitter Trouble Isolation — Solid-State Amplifier	421-105-073	2	Radio Transmitter Procedures — TWT Amplifier
421-105-029	1	Generator Oven Alarm — Solid-State Amplifier	421-105-074	1	Terminal Procedures — 135A
421-105-030	1	Radio Transmitter Trouble Isolation — TWT Amplifier	Addendum	1	
421-105-031	2	DC Power Diagnosis — TWT Amplifier	421-105-075	1	Glossary
421-105-032	1	Generator Oven Alarm — TWT Amplifier	421-105-076	2	Radio Transmitter Procedures — Solid-State Amplifier
421-105-033	2	RF Power Alarm — TWT Amplifier	421-105-080	1	Solid-State Amplifier — DR6-135A
421-105-034	2	Repair Verification — 135A — Solid-State Amplifier	NOTE: Provides binder, tabs, and the documents listed below.		
421-105-035	2	Repair Verification — 135EC — Solid-State Amplifier	421-102-003		421-105-004
421-105-036	2	DC Power Diagnosis — Solid-State Amplifier	421-105-006		421-105-010
421-105-037	1	RF Power Alarm — Solid-State Amplifier	421-105-011		421-105-012
421-105-038	2	Receiver Subroutines	421-105-020		421-105-021
421-105-039	2	Transmitter Subroutines — TWT Amplifier	421-105-022		421-105-023
421-105-040	1	Terminal Trouble Isolation — 135A	421-105-024		421-105-025
421-105-041	1	DC Power Alarm — 135AC	421-105-028		421-105-029
421-105-042	2	Fan Fail Alarm	421-105-034		421-105-036
421-105-043	1	Control System Alarm	421-105-037		421-105-038
421-105-044	1	Digital Receiver Alarm	421-105-040		421-105-041
421-105-045	1	Digital Transmitter Alarm	421-105-042		421-105-043
421-105-046	2	Excess Alarm	421-105-044		421-105-045
421-105-047	1	Signaling Fail Alarm	421-105-046		421-105-047
421-105-049	2	Transmitter Subroutines — Solid-State Amplifier	421-105-049		421-105-051
421-105-050	2	Repair Verification — 135A — TWT Amplifier	421-105-060		421-105-062
421-105-051	1	Annual FCC Tests — 135A	421-105-063		421-105-070
			421-105-071		421-105-072
			421-105-074		421-105-075
			421-105-076		
			■ 421-105-080AC	1	Test Equipment and Accessories
			■ 421-105-081AC	1	ME645A MRTS (Microwave Radio Test Set)
			■ 421-105-082AC	1	Station Procedures — 135A
			■ 421-105-083AC	2	Radio Receiver Procedures

Number	Issue	Subject	Number	Issue	Subject
■ Addendum AC	1			421-105-063	421-105-070
■ 421-105-084AC	2	Radio Transmitter Procedures — TWT Amplifier		421-105-072	421-105-075
■ 421-105-085AC	1	Terminal Procedures — 135A		421-105-076	
■ 421-105-086AC	1	Glossary	421-106 Hot Standby — Operation and Maintenance — Regenerator Station		
■ 421-105-087AC	1	Station Procedures — 135EC	421-106-001	1	TWT Amplifier — DR6/11-135A NOTE: Provides binder, tabs, and the documents listed below.
■ 421-105-088AC	2	Radio Transmitter Procedures — Solid- State Amplifier		421-105-020	421-105-021
■ 421-105-089AC	1	Terminal Procedures — 135EC		421-105-022	421-105-023
421-105-090	1	TWT Amplifier — DR6/11-135EC NOTE: Provides binder, tabs, and the documents listed below.		421-105-024	421-105-025
		421-105-005 421-102-003		421-105-030	421-105-031
		421-105-009 421-105-010		421-105-032	421-105-033
		421-105-011 421-105-012		421-105-038	421-105-039
		421-105-013 421-105-014		421-105-042	421-105-047
		421-105-018 421-105-019		421-105-060	421-105-061
		421-105-020 421-105-021		421-105-070	421-105-072
		421-105-022 421-105-023		421-105-073	421-105-075
		421-105-024 421-105-025		421-106-002	421-102-003
		421-105-026 421-105-027		421-106-004	421-106-010
		421-105-030 421-105-031		421-106-011	421-106-012
		421-105-032 421-105-033		421-106-040	421-106-041
		421-105-038 421-105-039		421-106-043	421-106-044
		421-105-042 421-105-043		421-106-045	421-106-046
		421-105-044 421-105-045		421-106-050	421-106-051
		421-105-046 421-105-047		421-106-062	421-106-071
		421-105-060 421-105-061		421-106-074	
		421-105-062 421-105-070	■ 421-106-001AC	1	TWT Amplifier — DR6/11-135A NOTE: Provides binder, tabs, and the documents listed below.
		421-105-072 421-105-073		421-105-020	421-105-021
		421-105-075		421-105-022	421-105-023
421-105-100	1	Solid-State Amplifier — DR6-135EC NOTE: Provides binder, tabs, and the documents listed below.		421-105-024	421-105-025
		421-105-007 421-102-003		421-105-030	421-105-031
		421-105-009 421-105-010		421-105-032	421-105-033
		421-105-011 421-105-012		421-105-038	421-105-039
		421-105-013 421-105-014		421-105-042	421-105-047
		421-105-019 421-105-020		421-105-060	421-105-061
		421-105-021 421-105-022		421-105-080AC	421-105-081AC
		421-105-023 421-105-024		421-105-083AC	421-105-084AC
		421-105-025 421-105-026		421-105-086AC	421-102-003
		421-105-027 421-105-028		421-106-004	421-106-005AC
		421-105-029 421-105-035		421-106-010	421-106-011
		421-105-036 421-105-037		421-106-012	421-106-040
		421-105-038 421-105-042		421-106-041	421-106-043
		421-105-043 421-105-044		421-106-044	421-106-045
		421-105-045 421-105-046		421-106-046	421-106-050
		421-105-047 421-105-049		421-106-051	421-106-062
		421-105-060 421-105-062		421-106-082AC	421-106-085AC

Number	Issue	Subject	Number	Issue	Subject
		421-105-028 421-105-029			
		421-105-036 421-105-037			
		421-105-038 421-105-042			
		421-105-047 421-105-049			
		421-105-060 421-105-063			
		421-105-070 421-105-072			
		421-105-075 421-105-076			
		421-102-003 421-106-004			
		421-106-005 421-106-010			
		421-106-011 421-106-012			
		421-106-040 421-106-041			
		421-106-043 421-106-044			
		421-106-045 421-106-046			
		421-106-051 421-106-052			
		421-106-062 421-106-071			
		421-106-074			
421-106-030	1	TWT Amplifier — DR6/11-135EC NOTE: Provides binder, tabs, and the documents listed below.	421-106-060	1	Solid-State Amplifier — DR6-135EC NOTE: Provides binder, tabs, and the documents listed below.
		421-105-020 421-105-021			421-102-003 421-105-020
		421-105-022 421-105-023			421-105-021 421-105-022
		421-105-024 421-105-025			421-105-023 421-105-024
		421-105-030 421-105-031			421-105-025 421-105-028
		421-105-032 421-105-033			421-105-029 421-105-036
		421-105-038 421-105-039			421-105-037 421-105-038
		421-105-042 421-105-047			421-105-042 421-105-047
		421-105-060 421-105-061			421-105-049 421-105-060
		421-105-070 421-105-072			421-105-063 421-105-070
		421-105-073 421-105-075			421-105-072 421-105-075
		421-106-004 421-106-006			421-105-076 421-106-004
		421-102-003 421-106-010			421-106-007 421-106-010
		421-106-011 421-106-012			421-106-011 421-106-012
		421-106-040 421-106-041			421-106-040 421-106-041
		421-106-043 421-106-044			421-106-043 421-106-044
		421-106-045 421-106-046			421-106-045 421-106-046
		421-106-050 421-106-051			421-106-051 421-106-052
		421-106-062 421-106-072			421-106-062 421-106-072
		421-106-077			421-106-077
421-106-040	1	Regenerator Trouble Isolation	Replacement Procedures		
421-106-041	1	DC Power Alarm	421-106-062	1	Regenerator
421-106-043	1	Control System Alarm	Tests and Adjustments		
421-106-044	1	Digital Receiver Alarm	421-106-071	1	Station Procedures — 135A
421-106-045	1	Digital Transmitter Alarm	421-106-072	1	Station Procedures — 135EC
421-106-046	2	Excess Alarm	421-106-074	1	Regenerator Procedures — 135A
421-106-050	2	Repair Verification — TWT Amplifier	421-106-077	1	Regenerator Procedures — 135EC
421-106-051	1	Annual FCC Tests	■ 421-106-082AC	1	Station Procedures — 135A
421-106-052	2	Repair Verification — Solid-State Amplifier	■ 421-106-085AC	1	Regenerator Procedures — 135A
			■ 421-106-086AC	1	Regenerator Procedures — 135EC
			■ 421-106-087AC	1	Station Procedures — 135EC
			421-109 Frequency Diversity — Turnup Procedures		
			■ 421-109-000AC	1	Turnup Procedures — DR6/11-135A NOTE: Provides binder, tabs, and the documents listed below.
					421-109-001AC 421-109-002AC
					421-109-003AC 421-109-004AC
					421-109-005AC 421-109-006AC
					421-109-007AC 421-109-008AC

Number	Issue	Subject	Number	Issue	Subject
		421-109-009AC 421-109-010AC	■ 421-109-007AC	1	Nominal Radio Power Levels
		421-109-011AC 421-109-012AC	421-109-007	1	Nominal Radio Power Levels
		421-109-013AC 421-109-014AC	Hop Tests		
		421-109-015AC 421-109-016AC	■ 421-109-008AC	2	Hop Tests
		421-109-017AC 421-109-018AC	421-109-008	1	Hop Tests
		421-109-019AC 421-109-020AC	■ 421-109-009AC	1	RSL and Down-Converter Output Check
		421-109-022AC 421-109-026AC	421-109-009	1	RSL and Down Converter Output
		421-109-027AC 421-109-028AC	■ 421-109-010AC	1	Adaptive Slope Equalizer — Manual and Automatic Mode Adjustment
		421-109-029AC 421-109-030AC	421-109-010	1	ASE Man/Auto Adjustments
		421-109-031AC 421-109-032AC	■ Addendum AC	1	
		421-109-033AC 421-109-034AC	■ 421-109-011AC	1	DR6/11-135 Radio Transmitter Alignment Procedure
		421-109-035AC 421-109-036AC	421-109-011	1	Radio Transmitter Alignment
		421-109-037AC 421-109-038AC	■ 421-109-012AC	1	Radio Transmission Tests
421-109-000	1	Turnup Procedures — DR-6/11-135A NOTE: Provides binder, tabs, and the documents listed below.	421-109-012	1	Radio Transmission Tests
		421-109-001 421-109-002	■ 421-109-013AC	1	Differential Absolute Delay Equalization
		421-109-003 421-109-004	421-109-013	1	DADE Tests
		421-109-005 421-109-006	■ 421-109-014AC	1	Receiver IF Adjustments
		421-109-007 421-109-008	421-109-014	1	RCVR IF Adjustments
		421-109-009 421-109-010	■ 421-109-015AC	1	Digital Transmission Test
		421-109-011 421-109-012	421-109-015	1	Digital Transmission Tests
		421-109-013 421-109-014	Hop Performance Tests		
		421-109-015 421-109-016	■ 421-109-016AC	1	Hop Performance Tests
		421-109-017 421-109-018	421-109-016	1	Hop Performance Tests
		421-109-019 421-109-020	■ 421-109-017AC	1	Over-the-Air S/I Stress Check
		421-109-022 421-109-026	421-109-017	1	Over The Air S/I Stress Check
		421-109-027 421-109-028	■ 421-109-018AC	1	Over-the-Air Propagation Distortion Performance Check
		421-109-029 421-109-030	421-109-018	1	Over The Air Propagation Performance
		421-109-031 421-109-032	■ 421-109-019AC	1	Combiner Performance Test
		421-109-033 421-109-034	421-109-019	1	Combiner Performance
		421-109-035 421-109-038	■ 421-109-020AC	1	Fade Margin and Interference Tests
■ 421-109-001AC	3	Document Contents	421-109-020	1	Fade Margin And Interference
421-109-001	1	Document Contents	Alarm Tests		
■ 421-109-002AC	2	Document Introduction	■ 421-109-022AC	1	Order-Wire Tests
421-109-002	1	Document Introduction	421-109-022	1	Order Wire Tests
■ 421-109-003AC	1	Initial Bay Checks			
421-109-003	1	Initial Bay Checks			
■ Addendum AC	1				
■ 421-109-004AC	2	Terminal Bay Initial Checks			
421-109-004	1	Terminal Bay Initial Checks			
■ 421-109-005AC	2	Regenerator Bay Initial Checks			
421-109-005	1	Regenerator Bay Initial Checks			
■ 421-109-006AC	2	Radio Bay Initial Checks			
421-109-006	2	Radio Bay Initial Checks			

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Switch Section Tests		
■ 421-109-026AC	1	Switch Section Tests
421-109-026	1	Switch Section Tests
■ 421-109-027AC	1	DS3-to-DS3 Performance Tests
421-109-027	1	DS3-DS3 Performance
■ 421-109-028AC	2	Error Correction Test (11-93)
421-109-028	1	Error Correction Test
■ 421-109-029AC	1	Terminal Switching Tests
421-109-029	1	Terminal Switching Tests
■ 421-109-030AC	1	Regenerator Switching Tests
421-109-030	1	Regenerator Switching Tests
Special Sections		
■ 421-109-031AC	1	Test Equipment and Accessories
421-109-031	1	Test Equipment
■ 421-109-032AC	1	Glossary for AT&T 421-109-000AC
421-109-032	1	Glossary
■ 421-109-033AC	1	Growth
421-109-033	1	Growth
■ 421-109-034AC	1	Telemetry Tests
421-109-034	1	Telemetry Tests
■ 421-109-035AC	1	TBOS Verification
421-109-035	1	TBOS Verification
■ 421-109-036AC	1	PC Based Telemetry Acceptance Tests
■ 421-109-037AC	1	SCOTS/FMAS Acceptance Tests
■ 421-109-038AC	1	ITU/Annual Log
421-109-038	1	ITU/Annual Log
421-109-050	1	1 X N Frequency Diversity — Turnup Procedures — 135EC NOTE: Provides binder, tabs, and the documents listed below.
		421-102-070 421-109-032
		421-109-051 421-109-052
		421-109-053 421-109-054
		421-109-055 421-109-056
		421-109-057 421-109-058
		421-109-059 421-109-060
421-109-051	1	Introduction
421-109-052	1	Radio Transmitter/Receiver
■ Supplement	1	Supplement to 421-109-053. HP11758T DRTS Supplement Package.
421-109-053	1	Digital Terminal

Number	Issue	Subject
■ Supplement	1	Supplement to 421-109-054. HP11758T DRTS Supplement Package.
421-109-054	1	Digital Regenerator
■ Supplement	1	Supplement to 421-109-055. HP11758T DRTS Supplement Package.
421-109-055	1	Radio Transmitter/Receiver
■ Supplement	1	Supplement to 421-109-056. HP11758T DRTS Supplement Package.
■ 421-109-056	1	Hop Alignment Tests
■ Supplement	1	Supplement to 421-109-057. HP11758T DRTS Supplement Package.
421-109-057	1	Hop Performance Tests
421-109-058	1	Alarm Verification Tests
421-109-059	1	Switch Section Performance Tests
421-109-060	1	Channel Growth

421-2 DR6/11-90A, DR6/11-135, and FR6 Microwave Radio Systems

Digital Radio

421-200-130	3	90A Line Terminating Bay and Digital Regenerator Bay — Equipment Description — DR6-30-90/DR11-40-90 Digital System
421-200-131	3	90A Line Terminating Bay and Digital Regenerator Bay — Functional Description — DR6-30-90/DR11-40-90 Digital System
421-200-132	3	DR6-30-90/DR11-40-90 Digital System — Preparation for Service
421-200-133	3	DR6-30 Radio — Description — DR6-30/DR11-40 Digital System
421-200-134	3	DR11-40 Radio Bay — Description — DR6-30/DR11-40 Digital System
421-200-135	3	DR6-30/DR11-40 Digital System — System Description and Operation
421-200-136	2	DR6-30-90/DR11-40-90 Digital System — Hot Standby — System Trouble Clearing

Number	Issue	Subject	Number	Issue	Subject
421-200-137	3	DR6-30/DR11-40 Digital System — Hot Standby — Bay Test and Trouble Clearing	421-200-163	1	DR6-30-90A1 Digital Radio Bay — Bay Test and Trouble Clearing
421-200-138	2	DR6-30-90/DR11-40-90 Digital System — Frequency Diversity — System Trouble Clearing			
421-200-139	3	DR6-30-90/DR11-40-90 Digital System — Frequency Diversity — Bay Test and Trouble Clearing	FM Radio		
421-200-140	3	90A Line Terminating Bay and Digital Regenerator Bay — Application Engineering — DR6-30-135/DR11-40-135 Digital System	421-200-190	4	FR6-30 Radio Bay — Equipment Description
421-200-141	3	DR6-30/DR11-40 Digital System — System Application Engineering	421-200-191	4	FR6-30 Radio Bay — Functional Description
421-200-142	2	DR6-30 Radio — Bay Application Engineering	421-200-192	3	FR6-30 Radio Bay — Operations
421-200-143	2	DR11-40 Radio — Bay Application Engineering	421-200-193	3	FR6-30 Radio Bay — Tests and Measurements
421-200-144	1	J98745B Transversal Equalizer Bay — Description — DR6-30/DR11-40 Digital System	421-200-194	3	FR6-30 Radio Bay — Trouble Clearing
421-200-145	1	DR6-30/DR11-40 Digital System — Hot Standby — Bay Tests and Trouble-Clearing Procedures Using the J68428A Test Set and HP-435B or HP-436A Power Meter	421-200-195	2	FR6-30 FM Radio System — Description, Operation, Test and Measurement Trouble Clearing
421-200-146	1	DR6-30/DR11-40 Digital System — Frequency Diversity — Bay Tests and Trouble Clearing Using the J68428A Test Set and HP-435B or HP-436A Power Meter	421-200-200	3	FR6-30 Radio — Bay Application Engineering
421-200-150	1	Serial-to-Parallel Alarm Converter — Description, Operations, and Maintenance	421-200-201	3	FR6-30 Radio — System Application Engineering
421-200-160	1	DR6-30-90A1 Digital Radio Bay — Description and Application Engineering NOTE: Provides binder, tabs, and the documents listed below.			
		421-200-161 421-200-162 421-200-163			
421-200-161	1	DR6-30-90A1 Digital Radio Bay — Equipment Description			
421-200-162	1	DR6-30-90A1 Digital Radio Bay — Application			
			421-3 International Digital Radio Systems		
			421-300 DR6/DR11 Digital Radio		
			421-300-102	4	Maintenance Support
			421-300-103	4	Operation and Maintenance — Terminal Station
			421-300-104	4	Operation and Maintenance — Regeneration
			421-300-105	2	Alarm Center Operation
			421-300-110	4	Installation and Test Manual — DR6
			421-300-111	2	Installation and Test Manual — DR11
			421-4 NDR (Network Distribution Radio)		
			421-400 General		
			421-400-030	1	Sales Kit
			421-400-040	1	Sales Slide Presentation
			421-400-040AI	1	Sales Slide Presentation (International)
			421-400-050	1	Planning Guide

Number	Issue	Subject
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421-401 LC Series Digital Microwave Radio

421-401-020	1	LC Series Domestic Product Description
421-401-020AI	1	LS Series International Product Description

421-402 M Series Digital Microwave Radio

421-402-020	1	Product Description
421-402-020AI	1	Product Description (International)
421-402-030	1	Fiber Optic
421-402-100	1	Installation, Operation, and Maintenance

421-404 W Series Digital Microwave Radio

421-404-020	1	Product Description
421-404-020AI	1	Product Description (International)
421-404-100	1	Installation, Operation, and Maintenance