

PART I

LIST OF NEW, REVISED, AND RESCINDED REA ISSUANCES

NEW ISSUANCES

<u>Bulletins:</u>	<u>Replaces:</u>	<u>Informational Publications (IP):</u>	<u>Replaces:</u>
1751H-403	TECM 950, 951	100-1	Bul. 300-1:1-3
1751H-405	TECM 956	100-7	IP 100-2 & 100-5
1751H-501	TECM 760	300-5	NEW
1751H-601	TECM 961, 970, 974, 976	300-4	Bul. 300-4
1751H-701	TECM 930, 931, 932	400-1	New
1751H-703	TECM 948, 949	500-1	New
1751H-705	New	500-10	New
1751I-100	Bul. 344-2		

TECM

961	New
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REVISED ISSUANCES

BULLETINS

345-150	345-152	345-154
345-151	345-153	345-165

RESCINDED ISSUANCES

BULLETINS

300-2	340-3	345-23	345-60	381-1	387-1
300-4	340-4	345-24	345-61	381-2	387-2
302-1	341-1	345-25	345-64	381-4	387-3
303-1	341-3	345-26	345-70	381-7	387-5
304-1	342-1	345-27	345-73	381-8	400-1
306-1	343-1	345-28	345-74	381-9	404-1
310-1	344-1	345-30	345-77	381-10	409-2
320-1	344-2	345-31	345-79	381-11	409-3
320-4	345-2	345-34	345-80	381-13	440-1
320-14	345-4	345-35	345-81	382-2	441-2
320-23	345-7	345-38	345-82	382-3	447-3
322-1	345-8	345-42	345-84	383-1	467-1
323-1	345-10	345-44	345-85	384-1	462-1
324-1	345-14	345-46	345-99	384-2	463-1
325-1	345-16	345-47	345-166	384-3	
326-1	345-18	345-51	345-167	384-4	
327-1	345-19	345-53	345-169	385-2	
340-1	345-20	345-58	361-8	385-3	
340-2	345-21	345-59	380-3	385-4	

RESCINDED ISSUANCES
(Continued)

TE&CM
Sections

101	325	515	645	936	951
102	327	516	646	940	970
105	470	520	690	943	971
141	510	610	760	948	974
157	511	617	925	949	976
304	512	636	934	950	

TOM
Sections

1031	1208.1	1286	1357	1490	1855
1032	1208.4	1356	1358	1530	1970
1036	1238	1356.4	1358.1	1605	1971
1092	1266	1356.6	1359.1	1630	1990
1099	1276	1356.10	1370	1720	

**PART II
NUMERICAL LISTING OF CURRENT REA ISSUANCES
SECTION A**

TELEPHONE BULLETINS

Number	Issued	Subject
50-18*	01/82	REA Specification for Wood Poles, Stubs and Anchor Logs (DT-5C)
50-24*	06/87	REA Specification for Quality Control and Inspection of Timber Products (DT-19)
100-1: 400-2	04/60	Selection of an Attorney by an REA Borrower Supplement
300-5	08/69 10/87	General Funds File With
301-1: 2-1	08/69	Guiding Statement of REA Policy Concerning its Relationship with Borrowers
305-1: 5-1	03/54 06/59 06/61 02/72	Joint Use of Facilities for Telephone and Electric Service Supplement Supplement Supplement
320-2: 20-5	05/72	Extensions of Payments of Principal and Interest
320-5	05/72	Headquarters Facilities for Telephone Borrowers
320-9	03/65	Organization and Capital Structure of Telephone Borrowers
320-12: 20-9	09/82 09/88	Loan Payments and Statements Supplement
320-15: 20-15	07/70 07/72	Equal Employment Opportunity in Construction Financed with REA Loans Supplement
320-19: 20-19	07/78	Nondiscrimination Among Beneficiaries of REA Programs
320-22	02/75 09/75	Guarantee of Loans for Telephone Facilities Supplement
321-2	09/75	Loan Security Requirements for Telephone
322-2	04/67	Rural Area Coverage - Telephone Loans
344-3: 43-9	07/55	"Buy American" Requirement
345-3	10/81	Acceptance of Standards, Specifications, Equipment Contract Forms, Manual Sections, Drawings, Materials and Equipment for the Telephone Program

* Bulletin incorporated by reference in the Code of Federal Regulations. # Available through the Government Printing Office

Number	Issued	Subject
345-6*	01/78	REA Standards for Splicing Plastic Insulated Cables (PC-2)
345-13*	01/83	REA Specification for Aerial and Underground Cable (PE-22)
345-22*	01/89	REA Specification for Voice Frequency Loading Coils (PE-26)
345-29*	02/82	REA Specification for Self-Supporting Cable (PE-38)
345-36	01/83	REA Specification for Parallel Conductor Drop Wire (PE-7)
345-39*	08/85	REA Specification for Telephone Station Protectors (PE-42)
345-50*	09/79	REA Specification for Trunk Carrier Systems (PE-60)
345-52*	01/80	REA Standard for Service Entrance and Station Protector Installation (PC-5A)
345-54*	12/71 08/72	REA Specification for Telephone Cable Splicing Connectors (PE-52) Revised Pages
345-55*	12/73	REA Specification for Central Office Loop Extenders & Loop Extenders Voice Frequency Repeater Combinations (PE-61)
345-57	05/82	REA Specification for Microwave Radio Equipment (PE-63)
345-63*	05/76	REA Standard for Acceptance Tests and Measurements of Telephone Plant (PC-4)
345-65*	03/85	REA Specification for Shield Bonding Connectors (PE-33)
345-66*	09/79 08/80	REA Specification for Subscriber Carrier Systems (PE-64) Pen and Ink Revision
345-67*	01/87	REA Specification for Filled Telephone Cables (PE-39)
345-69*	01/78 10/82	REA Specification for Two-Wire Voice Frequency Repeater Equipment (PE-29) Addendum No. 1
345-72*	10/85	REA Specification for Filled Splice Closures (PE-74)
345-75*	01/77	REA Specification for Electronic Trunk Circuits (PE-65)
345-76	05/77	REA Specification for Spring Action Bonding Connectors Within Buried Plant Housings (PE-57)
345-78*	02/80 07/80	REA Specification for Carbon Arrestor Assemblies for Use in Protectors (PE-78) Supplement
345-83	07/79 10/82	REA Specification for Gas Tube Surge Arresters (PE-80) Supplement
345-86*	10/82	REA Specification for Filled Buried Service Wire (PE-86)
345-87*	12/83	REA Specification for Terminating (TIP) Cable (PE-87)

Number	Issued	Subject
345-89*	10/85	REA Specification for Filled Telephone Cable with Expanded Insulation (PE-89)
345-90*	05/86	Totally Filled Fiber Optic Cable (PE-90)
345-150*#	07/89	Specifications and Drawings for Construction of Direct Buried Plant (Form 515a)
345-151*	07/89	Specifications and Drawings for Conduit and Manhole Construction (Form 515c)
345-152*	07/89	Specifications and Drawings for Underground Cable Installation (Form 515d)
345-153*	07/89	Specifications and Drawings for Construction of Pole Lines, Aerial Cables and Wires (Form 515f)
345-154*	07/89	Specifications and Drawings for Service Entrance and Station Protector Installation (Form 515g)
345-165*	02/89	REA General Specification for Digital, Stored Program Controlled Central Office Equipment (Form 522)
345-168*	10/77	REA Specification for Equipment for Direct Distance Dialing (Form 538)
345-180*	01/63	Specifications for Voice Frequency Repeaters and Voice Frequency Repeated Trunks (Form 397a)
345-181	10/80	Design Specifications for Trunk Carrier System (Form 397b)
345-182	10/80	Design Specifications for Subscriber Carrier Systems (Form 397c)
345-183*	06/70	Design Specification for Point-to-Point Microwave Radio Systems (Form 397d)
345-184*	05/71	Mobile and Fixed Dial Radio Telephone Specification (Form 397e)
345-185*	07/85	REA Performance Specification for Line Concentrators (Form 397g)
380-1	07/56 04/66 01/77	Right-of-Way and Title Procedures - Telephone Supplement 1 to Appendix A Supplement
385-1	12/62	Preloan Procedures and Requirements for Two-Way Radiotelephone Service
385-5	04/66	Loans to Finance Radio Equipment for Subscriber Service
385-6	12/75	Preloan Procedures and Requirements for Radio Paging Service
387-4: 86-4	09/81	Presentation of Building Plans and Specifications
400-4: 100-1	12/65 05/74	Payment of Legal Fees From Loan and Equity Funds Pen and Ink Change
400-3: 100-5	06/62	Agreements for the Operation and Management of Borrowers' Systems

Number	Issued	Subject
400-5	01/64	Operating Conditions Endangering Loan Security
401-2	06/54	Responsibilities of a Telephone Co-op Director
401-3: 101-4	11/75	Annual Meeting Guide for Rural Electric and Telephone Cooperatives
402-1	12/62 02/72 10/75 02/78	Mortgage Restrictions on Dividends and Other Distributions - Telephone Borrowers Supplement Supplement Supplement
402-2	11/60 10/77	Partial Waiver of Security Instrument Provisions Relating to Distribution of Capital by Cooperatives Supplement
402-3: 102-1	03/64 12/73 08/74	Capital Credits - Consumer Benefits Supplement Appendix B
403-3	10/59 09/77	Minutes of Meetings of Directors, Stockholders, or Members Telephone Supplement
403-4: 103-9	10/77	5 Percent Treasury Certificates of Indebtedness - REA Series and 2 Percent Treasury Bonds - REA Series
405-1	07/62	Financial Planning by Telephone Borrowers
407-1: 107-1	02/79	Data Processing Systems
409-1	05/72	Selection of a Manager by Telephone Borrowers
409-7: 109-7	06/86	Expanding Manpower Resources Through Cooperative Education
411-1	06/61	Extended Area Service
415-1	08/60 06/66 10/77 07/79	Sale of Property by Telephone Borrowers Supplement Supplement Supplement
460-2: 180-6	04/71	Selection of Depositories for Funds of REA Borrowers
460-3	12/71	ABC's of Accounting and Interpretation of Financial Statements
464-1	02/59	Accounting for Damages Resulting from Delayed Completion of Construction

Number	Issued	Subject
464-2	06/65	Accounting and Reporting Procedures Covering Large Investments in Special Communications Facilities
1751H-403	07/91	Digital Transmission Fundamentals
1751H-405	10/92	Digital Span Lines
1751H-501	04/91	Fundamentals of ISDN
1751H-601	05/91	Lightwave Fundamentals, Systems, and Applications
1751H-701	03/92	Radio Sytem Fundamentals and Point-to-Point Digital Radio Systems
1751H-703	12/91	BETRS Radio Systems
1751H-705	09/91	Fundamentals of Cellular Radio Service
1755I-100 [#]	01/91	List of Material Acceptable for Use on Telephone Systems of REA Borrowers

SECTION B

TELECOMMUNICATIONS ENGINEERING AND CONSTRUCTION MANUAL (TE&CM)

Section	Number	Issued	Subject
116	01	12/65 03/66	Plant Engineering and Record Systems Addendum No. 1
118	01	05/78	Plant Records System Serving Area Value Engineering for Rural Systems
128	01	05/55	Cutsheet
201	05	11/83	Introduction to Objectives to Rural Telephone System Designs
203	01	04/71	Existing Plant Considerations for a Telephone System Design
204	01	05/71	Telephone System Design
205	05	04/71	Assembly and Arrangement of an Area Coverage Design
207	01	07/74	Design Criteria for Plant Reinforcement Upgrading from Four-Party to All One-Party
210	08	07/74	Telephone System Design - Sizing Criteria
218	04	02/87	Plant Annual Cost Data for Design Purposes
219	01	01/78	Present Worth of Annual Charge Studies for System Design
230	02	02/86	General Principles of Feeder-Distribution Cable Engineering (SAVE)
231	02	02/86	Design Techniques of Feeder-Distribution Cable Engineering (SAVE)
232	02	02/86	Transmission Design and Costs Considerations of Feeder - Distribution Cable Engineering (SAVE)
301	03	12/76	Central Office Buildings
302	06	04/89	Power Requirements for Community Dial Central Office Equipment
306	01	09/85	Earthquake Bracing for Central Office Equipment
319	04	10/78	Interoffice Trunking and Signaling
320	04	04/76	Emergency Generating and Charging Equipment
322	03	02/90	Application for the Preparation of Detailed Digital Central Office Equipment Requirements (Part III of REA Form 522)
323	01	09/79	Fundamentals of Digital Techniques and Switching
324	01	04/80	Digital Terminology
332	01	08/69	Guide for Utilization of Central Office Loop Extenders

Section	Number	Issued	Subject
340	02	01/79	Subscriber Line Concentrators
341	02	10/84	Application Guide for the Preparation of Detailed Line Concentrator Requirements
401	01	12/80	Subscriber Loop Electronic System
406	03	08/77	Transmission Facility Data
407	01	03/59	How to Make Insertion Loss Measurements
415	04	06/90	Transmission Objectives
424	04	07/88	Design Guidelines for Telecommunications Subscriber Loop Plant
426	02	12/77	Subscriber Loop Computations Design-By-Loss Method
427	03	03/82	Application of Voice Frequency Repeaters for Subscriber Loops and Two-Wire Trunk Circuits
428	01	10/65	Applications and Use of Bridge Tap Isolators (BTI) for Subscriber Loops
429	01	01/79	Automatic Gain Control Repeaters and Their Application to Common Mode Operation
431	02	10/62 04/75	Voice Frequency Loading for Trunk Cables Addendum No. 1
432	01	02/68	Acceptance Tests for Loaded Subscriber Loop "One-Man" Structural Plant - Return Loss Method from the Central Office
435	01	01/79	Cable Capacitance Measurements
445	02	01/65	How to Make Structural Return Loss Measurements
451	02	09/79 09/81	Telephone Noise Measurement and Mitigation Addendum No. 1
451.1	01	09/79	Noise Isolation
451.2	02	04/84	Shield Continuity
451.3	01	09/79	Cable Balance
451.4	01	09/79	Longitudinal Chokes
451.5	01	09/79	Neutralizing Transformers
451.6	01	09/79	High Voltage Direct Current (HVDC)
451.7	01	02/81	Grounding for Reduction of Power Influence
451.8	01	02/81	Improved Cable Pair Balance by Conductor Reversal

Section	Number	Issued	Subject
452	01	12/80	Specialized Telephone Noise Measurements and Investigation
452.1	01	12/80	Telephone Cable Pair Harmonic Analysis
452.2	01	12/80	Exploring Coil Measurements
452.3	01	12/80	Probe Wire Measurements
602	04	05/62 09/63	Clearance Addendum No. 1
605	04	01/79	Right-of-Way Clearing and Trimming Assembly Units - Aerial Plant
611	03	03/60 10/66	Design of Pole Lines Addendum No. 3
626	02	06/62	Staking of Aerial Plant
628	02	01/68	Plastic-Insulated Cable Plant Layout
629	03	01/77	Cable Plant Layout - Serving Area Value Engineering for Rural Systems
630	03	03/62 10/66 01/79	Design of Aerial Cable Plant Addendum No. 2 Addendum No. 3
635	03	02/62 10/66 03/79 08/79	Construction of Aerial Cable Plant Addendum No. 2 Addendum No. 3 Addendum No. 4
640	04	05/73 06/67 01/79	Design of Buried Plant Physical Considerations Memo Supplement - Design and Construction of Joint Buried Plant Addendum No. 1
641	04	04/73	Construction of Buried Plant
642	01	12/67	Staking of Buried Plant
643	02	09/69	Underground Conduit and Manhole Design and Construction (Physical Plant)
644	03	04/83	Design and Construction of Underground Cable
648	01	01/77	Serving Area Value Engineering (Physical Plant)
650	04	02/60 10/66 04/62	Guys and Anchors on Wire and Cable Lines Addendum No. 1 Addendum No. 2
670	02	01/82	Corrosion Consideration in Telecommunications Outside Plant
801	04	09/84	Electrical Protection Fundamentals

Section	Number	Issued	Subject
802	02	09/84	Electrical Protection Grounding Fundamentals
805	08	08/80	Electrical Protection at Subscriber Stations
810	06	09/83	Electrical Protection
815	04	04/69	Electrical Protection of Aerial Cable
816	03	07/69	Electrical Protection of Buried Plant
		01/71	Addendum No. 1
		12/72	Addendum No. 2
817	01	03/80	Electrical Protection by Effective Grounding of Cable Shields
822	05	09/81	Electrical Protection of Carrier Equipment
823	03	08/80	Electrical Protection by Use of Gas Tube Arresters
825	03	09/73	Situations Requiring Special Protection
830	05	04/71	Electrical Protection Assembly Units
901	03	09/83	Fundamentals of Carrier Transmissions
903	03	01/81	Applications Guide for Subscriber Carrier Specifications, (REA Form 397c)
904	03	01/81	Application Guide for Trunk Carrier Specifications (REA Form 397b)
905	01	10/63	Cable Carrier Systems and Carrier Frequency Transmission Through Cables
909	01	12/67	Impedance Matching for Carrier Multiplex Systems
911	02	09/71	Station Carrier Equipment
		05/80	Addendum No. 1
912	01	04/71	Station Carrier Equipment
		05/80	Addendum No. 1
921		11/76	Testing Cables for Carrier Application
933	02	04/70	Application Guide for Point-to-Point Microwave Radio Systems Specification, (REA Form 397e)
945	01	07/66	ITMS - Improved Mobile Telephone System
954	01	12/82	Digital Terminals & Multiplexers
958	01	09/88	Digital Cross-Connect & Drop & Interest System
961	01	06/90	Application Guide for Digital Lightwave Transmission System Specification, (REA Form 397e)

SECTION C

TELEPHONE OPERATIONS MANUAL (TOM)

Section	Number	Issued	Subject
GENERAL			
1001	02	05/65	Scope and Use of the Telephone Operations
1002	22	11/81	Numerical Index
1050	01	07/60	Restoration of Service in Case of Disaster
1070	05	12/75	Short-Range Planning
1071	02	12/60	What Your Financial Reports Tell You
1081	01	12/76	Long-Range System and Financial Planning
1089.1	01	10/75	Quality of Service Evaluation Guide for an Appraisal
1090	02	07/70	Improving Management of Telephone Systems
1101	01	06/68	Model Bylaws for Telephone Cooperatives
COMMERCIAL			
1440	02	01/66	Service Order Procedure
1510	02	01/80	Telephone Tariff
ACCOUNTING			
1800	01	12/88	Instructions for Preparation of Financial and Statistical Reports for Telephone Systems Financed by the REA
1860	02	03/68	Suggested Work Order Procedure
1870	01	12/54	Continuing Property Records
1870.1	01	12/60	Guide for Establishing Continuing Property Records
1870.2	01	06/70	A Suggested List of Property Record Units for Telephone Borrowers
1951	02	07/64	Procedures for Computing and Recording Capital Credits

SECTION D

INFORMATIONAL PUBLICATIONS (IP)

Number	Issued	Subject
100-1	02/92	Rural Electrification Act of 1936 with Amendments through December, 1991
100-7	03/92	A Brief History of the Rural Electric and Telephone Programs and Report of the Administrator Fiscal Year 1991
300-4#	08/91	1990 Statistical Report, Rural Telephone Borrowers
300-5	09/91	Fiscal Year Summary Rural Telephone Program
400-1	08/90	Bylaws of Rural Telephone Bank
400-2	06/91	19th Annual Report of the Board of Directors of the Rural Telephone Bank, FY 1990
500-1	01/92	REA Telephone Directory
500-10	05/91	Directory of Telephone Borrowers

* Bulletin incorporated by reference in the Federal Code of Regulations. # Available through the Government Printing Office.

