

OBJECTIVES AND SCOPE OF THE REA  
TELEPHONE ENGINEERING AND CONSTRUCTION MANUAL

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1. GENERAL

1.1 The purpose of the Telephone Engineering and Construction Manual is to provide REA borrowers, consulting engineers, contractors, and other interested parties with technical material for use in the design and construction of REA borrowers' telephone systems.

1.2 This section, which replaces Section 101, dated May 1958, was revised primarily to illustrate the new format for all new and revised sections of the Telephone Engineering and Construction Manual to be issued hereafter. This format will reduce the size of the manual which has grown due to incorporating the constant changes and new developments taking place in the design and construction of rural telephone systems.

2. INDEXING

2.1 All of the sections issued will be indexed and assigned an index number according to the subject covered. All sections will be contained under the following general headings:

Index  
100-199  
200-299  
300-399  
400-499  
500-599  
600-699  
700-799  
800-899  
900-999

General Headings  
General  
System Design  
Central Offices  
Transmission  
Traffic  
Outside Plant  
Subscriber's Station Equipment  
System Protection  
Telephone Carrier and Radio

2.2 Within the above general headings, index numbers are reserved for appropriate sub-groups. Section 102 is a numerical index listing the sections issued under each of the general headings and shall constitute an index for the entire Telephone Engineering and Construction Manual.

2.3 Revised indexes will be issued periodically as the need arises. When an addition to the manual is received, the section number, title, issue number, and date should be listed on the latest index before filing the section. Each section will be complete in itself.

2.4 Each section will be issued with an identifying caption containing index number, issue number and date, in the upper right-hand corner of the first page, and an entry identifying the section as a portion of the REA Telephone Engineering and Construction Manual in the upper left-hand corner of the first page. An entry on all other pages of the section will be made in an abbreviated form identifying the section as a portion of the Telephone Engineering and Construction Manual.

3. ADDITIONS

3.1 From time to time it will be necessary to make additions to or changes in previously published sections. In many cases these additions will not be extensive enough to warrant

reissuing the entire section. In such cases, the information will be promulgated in an addendum to the main section. Each addendum will be printed on yellow colored paper to permit easy identification, and to insure that it will not be overlooked.

3.2 The addendum should be filed in front of the section to which it applies and should be referred to whenever the section is used.

3.3 Addendums will list, from time to time, paragraphs or portions of the main section superseded by the addendum. In such instances, it is suggested that the superseded paragraphs in the section be so marked with reference to the appropriate paragraph of the addendum.

#### 4. REPLACING SECTIONS

4.1 When it becomes necessary to replace an entire section, the new one will carry the same caption mentioned under 2.4 with the issue number advanced one number and the new date.

4.2 The opening paragraphs of the new section will indicate the issue and addenda thereto, if any, to be replaced and a brief statement setting forth the reasons for its reissuance. For example, see paragraph 1.2 of this section.

#### 5. DISTRIBUTION

5.1 Issues of new and revised sections of this manual will be distributed in accordance with mailing lists maintained in REA. Requests for additional copies of manual sections should be addressed to the Telephone Standards Division.