

**NUMERICAL INDEX — DIVISION 852**

**EXCHANGE AREA AND OPERATOR SERVICES TRANSMISSION**

**1. GENERAL**

- 1.01** This section provides an index of System-issued sections in Division 852.
- 1.02** A bullet (●) indicates an item that has been added or changed since the previous issue of the index.
- 1.03** A square (□) indicates a canceled item. Information relating to the cancellation, if necessary, will be shown in a note following the item. Canceled items and related notes will be deleted upon reissue of the index.
- 1.04** A spade (♠) indicates an item not on microfiche. This index indicates the latest issue for hard-copy practices. In some cases, the microfiche will reflect the next higher issue as a result of the reduced distribution interval.
- 1.05** "Add" is the abbreviation for Addendum.

**2. LAYERS**

**2.01** This division is arranged in layers as follows:

- 852-0 Index
  - 1 General Information
  - 2 Station Loops and Sets — Design of Loops
  - 3 Exchange Area Trunks
  - 4 Operator Services Transmission
  - 5 Loudspeaker, Announcement and Automatic Telephone Answering and Recording Systems

**3. INDEX**

Section Number	Issue	Subject
----------------	-------	---------

**852-0 INDEX**

- ♠ 852-000-000 34 Numerical Index — Division 852 — Exchange Area and Operator Services Transmission

**852-1 GENERAL INFORMATION**

- |             |   |   |
|-------------|---|---|
| 852-100-100 | 3 | Exchange Area Transmission Objectives   |
| 852-100-101 | 1 | Crosstalk — General Considerations  |
| 852-100-102 | 1 | Exchange Area Crosstalk Application of Crosstalk Index                        |
| 852-100-103 | 1 | Crosstalk Index Calculations — Exchange Area Trunks and Special Service Lines |
| 852-100-104 | 1 | Crosstalk Considerations Nonstaggered Twist Cable                             |

**Transmission Considerations and Performance**

- |                 |   |   |
|-----------------|---|---|
| 852-105-100     | 1 | Involved in Engineering Community Dial Offices and Central Switchboards |
| 852-108-101     | 1 | Characteristics of 94E and 94F — Battery Supply Repeating Coils         |
| 852-108-102     | 1 | 108A and 108B Repeating Coils   |
| Add 852-108-103 | 1 |   |
| 852-108-103     | 2 | Characteristics of 120C, D, E, F, G, H, I, K, and L Repeating Coils     |

Section Number	Issue	Subject
----------------	-------	---------

- |             |   |  |
|-------------|---|--|
| 852-110-100 | 2 | Metropolitan Tandem Networks — Transmission Design |
|-------------|---|--|

**852-2 STATION LOOPS AND SETS — DESIGN OF LOOPS**

- |             |   |   |
|-------------|---|---|
| 852-200-102 | 1 | Subscriber Loops — Factors Affecting Insertion Loss |
|-------------|---|---|

**Loop Checker Generator**

- |             |   |                                |
|-------------|---|--------------------------------|
| 852-211-100 | 1 | Determination of Output Slope  |
| 852-211-101 | 1 | Application to Nonloaded Loops |

**Bridge Lifters**

- |             |   |  |
|-------------|---|--|
| 852-215-102 | 1 | Unigauge Plant — Two-Part Bridge Lifter for Central Office Use |
|-------------|---|--|

**Telephone Sets — 500 Series**

- |             |   |  |
|-------------|---|--|
| 852-220-100 | 1 | General Description                              |
| 852-220-101 | 1 | Transmission Performance — A, B, J, and K Series |
| 852-220-102 | 2 | Transmission Performance — C and D Series        |

**852-3 EXCHANGE AREA TRUNKS**

- |             |   |  |
|-------------|---|--|
| 852-300-100 | 2 | Standard Message — Trunk Design System (SMETDS)                |
| 852-301-100 | 2 | General Design Considerations                                  |
| 852-301-101 | 3 | Design of Interlocal Trunks                                    |
| 852-303-100 | 1 | Field of Use of End-Offices — Intertoll Type High Usage Groups |

**Negative Impedance Repeaters**

- |                 |   |   |
|-----------------|---|---|
| 852-305-100     | 1 | Return Loss Computations for the Stability and Singing Margin Design Methods — Exchange Area Facilities |
| Add 852-305-101 | 1 |   |
| 852-305-101     | 1 | Design of Circuits Using the ET Repeater on Loaded Facilities   |
| 852-305-102     | 1 | Design of Circuits Using Series Type  |
| 852-305-103     | 1 | Series Type — Network Design and Selection  |
| 852-305-104     | 1 | Provided By Series E-Type Repeaters   |
| 852-305-105     | 1 | Network Constants for E-Type Repeaters  |

**V4 Telephone Repeaters**

- |                 |   |  |
|-----------------|---|--|
| 852-307-100     | 2 | Engineering — General                    |
| Add 852-307-101 | 1 |  |
| 852-307-101     | 2 | Engineering — Message Circuits           |
| 852-307-102     | 1 | Engineering — Loss and Gain Calculations |

**AT&T 852-000-000**

Section Number	Issue	Subject
<b>852-4 OPERATOR SERVICES TRANSMISSION</b>		
852-400-010	1	Through and Terminal Balance — Office Certification Operator and Attendant Services — System
852-400-100	1	Operator's Telephone Circuits — Transmission Considerations
852-400-101	1	Operator's Telephone Circuits — Induction Coils
852-400-102	1	Operator's Telephone Circuits — Telephone Sets

**Intercepting Service — Transmission Features**

852-401-100	1	Overall Considerations
852-401-101	1	Central Office Arrangements
852-401-102	1	Operator's with Voice Controlled — Positional Gain Units
852-401-103	1	With Announcing Machines

**Information Service**

852-402-100	1	Information Service
852-403-100	1	Traffic Service Position — Crossbar Tandem Offices — Transmission Design
852-404-100	4	Traffic Service Position System No. 1 and No. 1B Transmission Plan and Transmission Engineering Considerations
Add 852-405-100	2	Automatic Intercept System — Transmission Considerations
852-405-100	1	
852-405-101	1	Automatic Intercept System — Extended Range — Transmission Considerations
Add 852-406-100	2	No. 5 Crossbar Automatic Call Distributor System — Transmission Engineering Considerations — Phase I Systems
852-406-100	1	
852-406-101	2	No. 5 Crossbar — Automatic Call Distributor System — Phase II — Transmission Engineering Considerations
852-406-102	1	No. 23 Automatic Call Distributing (ACD) System — Transmission Engineering Considerations
852-406-103	1	No. 5 Crossbar Automatic Call Distributor System — Transmission Engineering Considerations Phase I — Extended Range
852-407-100	1	Overseas Operator — Bridged Access Trunking Arrangements for IOC and IOTC Operation — Transmission and Signaling Considerations
852-408-100	1	No. 23 Trunk Concentrator — Engineering Considerations
852-408-101	1	No. 1 Trunk Concentrator Transmission Engineering Considerations

Section Number	Issue	Subject
<b>852-5 LOUDSPEAKER, ANNOUNCEMENT AND AUTOMATIC TELEPHONE ANSWERING AND RECORDING SYSTEMS</b>		

**Loudspeaker Arrangements**

852-515-100	5	For Conference Service and Service Observing
852-516-100	1	For Conference Service KS-19134, L1 Conference Set
852-517-100	3	Loudspeaker Paging Systems
852-517-101	3	Loudspeaker Paging Systems — Transmission Characteristics of Loudspeakers
852-517-102	1	Paging Systems — Characteristics of Carbon Transmitters

**Announcement Systems**

Add 852-520-100	1	General Transmission Design Considerations
852-520-100	1	
Add 852-521-100	4	Time Announcement System — Preliminary Notes on Transmission Features
852-521-100	1	
852-522-100	1	Subscriber-Operated Time Announcement Systems — Announcement Systems No. 2B and 2C
852-523-100	2	3A Announcement System — Transmission Design Considerations
Add 852-524-100	1	4A Time Announcement System
852-524-100	1	
852-525-100	1	Intercept Announcement Systems — Layout Features
852-526-100	2	8A Announcement System
852-527-100	2	9A Announcement System
852-528-100	1	11A Announcement System
852-530-100	1	Emergency Announcement System

**Automatic Answering and Recording Systems**

Add 852-550-100	1	50-Type Recorder Connectors
852-550-100	2	
Add 852-551-100	1	Automatic Telephone Answering and Recording — 1AA Telephone Answering Set
852-551-100	1	
852-551-101	1	Automatic Telephone Answering and Recording — KS-14580 Telephone Answering Set (Peatophone)
852-552-100	2	Voice Storage System and Mass Announcement Service — Transmission Engineering Considerations