

**NUMERICAL INDEX — DIVISION 853**

**TOLL TRANSMISSION**

**1. GENERAL**

- 1.01** This section provides an index of sections in Division 853.
- 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.

Section Number	Issue	Subject
853-100-101	2	Via Net Loss Concept and Application
853-101-100	3	Trunk Transmission Design — Loss Objectives
853-102-100	1	Singing Computation Procedures — Message Toll Telephone Circuits
Add 853-103-100	2	
853-103-100	1	Computation of Structural Return Loss — Loaded Toll Cable Circuits
853-104-100	5	Application of Echo Suppressors in the Direct Distance Dialing Network
Add 853-105-100	1	
853-105-100	1	Application of the 1A Compandor to Telephone Message Circuits
853-106-100	1	Toll Transmission Surveys

**2. LAYERS**

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

- 853-0 Indexes and General
  - 1 Toll Circuit Engineering Considerations
  - 3 Toll Facilities — Open Wire and Cable
  - 4 Toll Office Considerations and Signaling
  - 5 Through and Terminal Balance

**General Toll Switching Plan**

853-108-100	2	General Considerations
853-108-101	2	Toll Special Service Telephone Lines — Design Considerations
853-108-102	2	Planning for the Future
853-108-103	2	Pads and Pad Control Arrangements
853-108-104	2	Derivation of V1A Net Loss Factors and S Pads

**3. INDEX**

Section Number	Issue	Subject
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**853-0 INDEXES AND GENERAL**

- ♠ 853-000-000 15 Numerical Index — Division 853 — Toll Transmission
- 853-010-100 1 Design of Toll Connecting Trunks Associated With 2-Wire Toll Switching
- 853-010-101 1 Design of Toll Connecting Trunks in Area Having 4-Wire Toll Switching
- 853-010-102 1 Notes on Design of Toll Connecting and Tandem Trunks When Intertoll or Intertandem Trunks Are Terminated on 2-Wire Switches at VNL
- 853-010-103 1 Crosstalk Between Toll Circuits — General Engineering Considerations
- 853-010-104 1 Cable Crosstalk Coupling — General Engineering Procedure
- 853-010-105 1 Cable Crosstalk Coupling — Other Factors Affecting Toll Cable Crosstalk
- 853-010-106 1 Measured Cable Crosstalk Coupling — Calculation of Statistical Values
- 853-010-107 1 Number Splicing

**No. 4 Crossbar Toll Switching System**

853-110-100	1	Transmission Aspects
● 853-120-100	1	Digital Switching Systems — Fixed-Loss Transmission Plan

**853-3 TOLL FACILITIES — OPEN WIRE AND CABLE**

**Toll Entrance and Intermediate Cables**

Add 853-300-100	1	
853-300-100	1	Transmission Engineering Considerations — General Aspects
Add 853-300-101	1	
853-300-101	1	Transmission Engineering Considerations — Wire Types and Arrangements
853-300-102	1	Transmission Engineering Considerations — Transpositions
Add 853-300-103	1	
853-300-103	1	Transmission Engineering Considerations — Entrance and Intermediate Cables
853-300-104	2	Transmission Engineering Considerations — Autotransformers and Junction Filters
853-300-105	1	Open Wire Circuits of Unusual Gauges and Material — Transmission and Equipment Information

**853-1 TOLL CIRCUIT ENGINEERING CONSIDERATIONS**

**Toll Circuit Design**

- 853-100-100 1 Transmission Considerations Involved in Laying Out Message Toll Telephone Circuits

## AT&T 853-000-000

	<b>Section Number</b>	<b>Issue</b>	<b>Subject</b>
Add	853-305-100	1	
	853-305-100	1	Voice-Frequency Circuits
	853-306-100	1	Crosstalk Considerations — Toll Entrance and Intermediate Cable

### **Toll Cables**

	853-310-100	1	Transmission Variations in Long Toll Cable Circuits
	853-311-100	1	General Factors Affecting the Design of Pilot-Wire Transmission Regulator Sections
	853-312-100	1	16-Gauge H-44-25 2-Wire Cable Circuits
Add	853-313-100	1	
	853-313-100	1	Notes on 2-Wire 19-Gauge B and H-88-50 — Cable Circuits
	853-314-100	1	4-Wire Cable System Employing 44A1 Repeaters and Associated Apparatus
	853-314-101	2	4-Wire Cable System Employing Modified 2-Wire Repeaters

### **Cable Capacitance Deviation Splicing**

	853-316-100	2	Cable Capacitance Deviation Test Splicing
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### **Load Spacing Limits and Building-Out**

Add	853-317-100	1	
	853-317-100	2	Loading Spacing Limits and Building-Out Practices

## **853-4 TOLL OFFICE CONSIDERATIONS AND SIGNALING**

### **Termination of Toll Circuits**

	853-400-100	1	Selection of Phantom Repeating Coils for Voice-Frequency Toll Circuits
Add	853-401-100	1	
	853-401-100	1	Characteristics of Phantom Repeating Coils

## **853-5 THROUGH AND TERMINAL BALANCE**

### **853-500 Through and Terminal Balance — General**

	853-500-100	2	General Engineering Considerations
	853-500-110	4	Switching Entity Certification Requirements — Message Trunk Network