

**NUMERICAL INDEX — DIVISION 873**

**INDUCTIVE COORDINATION**

**1. GENERAL**

- 1.01** This section provides an index of sections in Division 873.
- 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** A large asterisk (\*\*) indicates an item pending transfer to Bell Communications Research, Inc. A pending-transfer item will be deleted upon reissue of this index provided the item has officially been transferred.
- 1.06** "Add" is the abbreviation for Addendum.

**2. LAYERS**

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

- 873-0 Indexes
- 1 General Engineering Considerations
  - 2 Coupling and Shielding
  - 3 Power System Influence at Fundamental and Harmonic Frequencies
  - 4 Susceptiveness of Communications Plant and Equipment
  - 5 Prevention and Mitigation of Interference
  - 6 Methods for Estimating Interference Levels
  - 7 Radio Frequency Interference
  - 8 General Inductive Coordination Practices

**3. INDEX**

Section Number	Issue	Subject
<b>873-0 INDEXES</b>		
● ♠ 873-000-000	26	Numerical Index — Division 873 — Inductive Coordination
<b>873-1 GENERAL ENGINEERING CONSIDERATIONS</b>		
* 873-100-100	1	Introduction
* 873-102-100	1	Cooperative Handling of Problems With Power Organizations
* 873-102-300	1	Cooperative Handling of Inductive Coordination Problems With Railroad Organizations
<b>873-2 COUPLING AND SHIELDING</b>		
* 873-200-100	1	Analytical Model for Investigation of Interference
* Add 873-200-200	1	
* 873-200-200	1	Engineering Considerations Regarding Coupling
* 873-200-300	2	Engineering Considerations Regarding Shielding

Section Number	Issue	Subject
<b>873-3 POWER SYSTEM INFLUENCE AT FUNDAMENTAL AND HARMONIC FREQUENCIES</b>		
* 873-300-100	1	Influence Characteristics of Power Supply Systems
* 873-300-200	1	Power Line Waveshape on the AC Side of Rectifier Installations
* 873-300-300	1	Power Line Waveshape of High Voltage Direct Current — Transmission Systems
* 873-300-400	1	Fundamental-Frequency and Transient Interference From Electrified Railway Systems
* 873-301-100	1	The Telephone Influence Factor
* 873-302-100	1	Direct Measurement
* 873-302-200	✓	Probe Wire and Exploring Coil Measurements
* Add 873-310-100	1	
* 873-310-100	1	Surveys of Induced Noise on Telephone Cable Plant
<b>873-4 SUSCEPTIVENESS OF COMMUNICATIONS PLANT AND EQUIPMENT</b>		
* 873-400-100	1	Principles of Balance and Longitudinal-to-Metallic Conversion
* 873-400-101	1	Principles of Determining the Susceptibility of Telephone Equipment to Induced Voltages and Currents
* 873-401-100	1	Factors Affecting the Balance of Central-Office Equipment
* 873-401-101	✓	Balance Characteristics of Step-by-Step Central Office Circuits
* 873-401-103	1	Balance Characteristics of Panel Central Office Circuits
* 873-401-109	1	Longitudinal Impedance and Balance Characteristics of Central Office (CO) Equipment
* 873-404-101	1	Balance Characteristics of Station Equipment
* 873-406-101	1	Susceptibility of Carrier Systems to Induced Interference
<b>873-5 PREVENTION AND MITIGATION OF INTERFERENCE</b>		
* 873-500-100	1	Principles of Prevention and Mitigation of Inductive Interference
* 873-501-100	1	Mechanized Inductive Interference — Calculations — Inductive Coordination

**ENTIRE DIVISION INCLUDING THIS INDEX TRANSFERRED  
TO BELL COMMUNICATIONS RESEARCH, INC.**

**AT&T TECHNOLOGIES, INC. - PROPRIETARY**

## AT&T 873-000-000

	Section Number	Issue	Subject
*	873-503-101	2	Inductive Interference Aspects of Cable Route Selection — Description and Engineering Considerations — Inductive Coordination
*	873-505-101	1	Longitudinal Choke and Drainage — Reactor Considerations
*	873-505-107	1	Low Voltage — Neutralizing Transformers
*	873-505-109	2	Ringer Isolation

### 873-6 METHODS FOR ESTIMATING INTERFERENCE LEVELS

*	873-600-100	1	Methods for Investigating Interference Problems
*	873-600-101	1	Fundamentals of Inductive Interference Calculations

### 873-7 RADIO FREQUENCY INTERFERENCE

#### Radio to Telephone Induction

*	873-700-325	3	Radio Transmitters
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#### Interference to Radio Reception

*	873-701-625	2	Central Office Sources to Radio Receivers
*	873-701-627	2	Telegraph Equipment
*	873-701-628	2	61-Type Filter for Suppressing Dialing Induction Into Radio Receiving Sets
*	873-701-629	1	Radio Broadcast Receivers From PBX Systems
*	873-701-630	1	Code Calling Systems
*	873-701-631	1	Community Dial Offices

### 873-8 GENERAL INDUCTIVE COORDINATION PRACTICES

#### General Engineering Procedure — Power Circuit Interference

*	873-800-061	2	Coordination Activities With the Edison Electric Institute
*	873-800-062	1	Cooperative Handling of Electrical Coordination Problems With Power Organizations
*	873-800-076	1	Obtaining and Preparing Data Regarding the Relative Locations of Power and Telephone Circuits
*	873-800-077	2	Low Frequency Induction From Power Circuits in Toll Telephone Plant
*	873-800-080	4	Methods of Investigating Noise Frequency Induction Problems
*	873-800-081	3	The Presentation and Review of the Results of Exchange Noise Surveys
*	873-800-085	1	Noise Induction Aspects of Rural Open Wire Joint Use

#### Methods of Estimating Inductive Effects

*	873-800-110	1	Inductive Coordination Aspects of Rectifier Installations
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	Section Number	Issue	Subject
*	873-800-111	1	Inductive Coordination Aspects of D-C Systems Supplied by Rectifiers
*	873-800-125	2	A Method of Estimating Noise in Open-Wire Toll Circuits
*	873-800-127	1	Noise Due to Secondary Induction in Voice-Frequency Toll Cable Circuits
*	873-800-128	2	Methods for Estimating Noise on Exchange Circuits in Joint-Use Exposures With Power Distribution Circuits
*	873-800-129	1	Methods for Estimating Noise on Exchange Circuits Exposed to Power Lines at Roadway Separations
*	873-800-130	2	Exploring Wire Methods for Toll and Local Circuit — Noise Studies

#### Inductive Coupling

*	873-800-176	1	Noise Induction — Coefficients of Induction
*	873-800-177	1	Low-Frequency Coupling Factors for Ground-Return Circuits — General Considerations and Methods of Calculation
*	873-800-178	3	Fundamental Frequency Electromagnetic Shielding of Communication Circuits

#### Communications Circuit Data Affecting — Inductive Coordination

*	873-800-225	1	Low Frequency Induction — Distribution of Voltages to Ground and Voltage Differences
*	873-800-227	2	Acoustic Shock Reducers for Use in Operators' Telephone Circuits
*	873-800-230	1	Effects of Induction on Ground Return Signaling Circuits for Local and Intertoll Trunks
*	873-800-232	1	Fundamental Frequency Electric Induction — Drainage Considerations
*	873-800-238	2	Inductive Coordination Aspects of Station Sets Employing Cold Cathode Tubes
*	873-800-239	1	Susceptiveness of Subscriber Station Sets
*	873-800-240	2	Balance of Western Electric Company — Step-by-Step Central Office Circuits
*	873-800-241	1	Summary of Central Office Unbalances During Talking Conditions
*	873-800-242	1	Reduction of Noise Due to Central Office Equipment Unbalance — General Procedure
*	873-800-243	1	Reduction of Noise Due to Central Office Equipment Unbalances — Impedance Characteristics of Central Office Equipment
*	873-800-244	1	Reduction of Noise Due to Equipment — Unbalance Panel Central Office Circuits
*	873-800-245	1	Reduction of Noise Due to Equipment Unbalance — Miscellaneous Circuits

Section Number	Issue	Subject	Section Number	Issue	Subject
*	873-800-246	1 Reduction of Noise Due to Equipment Unbalance — Long Line Circuits	*	873-800-380	2 Methods of Making Exchange Noise Surveys
*	873-800-247	1 Reduction of Noise Due to Equipment Unbalance — Local Test Desk Circuits	<b>Telephone Interference Factor Measurements</b>		
*	873-800-248	1 Reduction of Noise Due to Equipment Unbalance — 1A Key Telephone System Circuits	*	873-800-476	1 Telephone Influence Factor and Deviation Factor Requirements for Synchronous Machines
*	873-800-249	1 Direct Measurement of the Specific Noise-Longitudinal, and Noise-to-Ground, Impressed Directly Upon Particular Individual Types of Central Office Circuits	*	873-800-477	1 Coupling Units for Use With the 3-Type Noise Measuring Set to Measure Telephone Influence Factors of Power System Currents and Voltages
*	873-800-250	1 Longitudinal Circuit Choke Coils and Drainage Circuits for Reducing Noise Due to Central Office and Line Unbalances	*	873-800-478	1 Telephone Noise and Power Influence Analysis — Use of the 4A Frequency Analyzer and the 3-Type Noise Measuring Set
*	873-800-251	1 Effects of Bonding Exchange Aerial Telephone — Cable Sheaths to Multi-Grounded — Power Neutrals	<b>Data and Computations</b>		
<b>General Engineering Procedure — Electric Railways</b>			*	873-800-480	1 Recording and Computing Results of Noise and Wave Shape Measurements and Harmonic Analysis
*	873-800-379	2 Methods of Making Supplemental Noise Measurements on Exchange Circuits	*	873-800-576	2 Low Frequency Induction — Methods of Testing
			*	873-800-580	1 Determination of Earth Resistivity by the D-C Method