

**NUMERICAL INDEX — DIVISION 240  
NO. 101 ELECTRONIC SWITCHING SYSTEM (ESS)**

**1. GENERAL**

- 1.01** This section provides an index of System-issued sections in Division 240.
- 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 star (★) indicates an item rated AT&T SPCS which contains trade secret information and which is available to authorized addressees only.
- 1.05** "Add" is the abbreviation for Addendum.

**2. LAYERS**

- 2.01** This division is arranged in layers as follows:  
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-1 Common to ESS 101 Switch Unit and Control Unit  
-2 ESS 101 Switch Units  
-3 ESS 101 Control Unit

**3. INDEX**

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● 240-101-102	2	2A — Description of System Operation
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240-102-101	3	Data Transmission — Description of System Operation
240-103-101	2	Digit Reception at Control Unit — Description of System Operation
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★ 240-106-101	2	Call Processor — Description of System Operation

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● 240-108-101	2	Maintenance Circuits — Description of System Operation
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240-120-110	1	Program Store — Administration
240-125-121	2	24-Hour Maintenance Printout
240-125-122	1	Direct Access Direct Inward Dialing — Printout Analysis
240-125-123	1	Analysis of Miscellaneous — Maintenance Printouts

**240-2 ESS 101 SWITCH UNITS**

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240-200-301	1	Attendant and Station Equipment — Switched-Loop Method of Operation
240-200-501	1	Switch Unit Periodic Maintenance Routine
240-200-502	1	Switch Unit Maintenance — Retry Printout Analysis

**240-201 1A Switch Unit**

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240-202-201	2	J1H011A — Connections
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240-204-202	1	J1H011A — Attendant Equipment Attendant Direct Station Selection — Installation and Connection
240-207-201	2	Miscellaneous Equipment (4-Wire Trunk Circuit, Attendant Conference or Conference Calling Circuit, 3A Code Call Unit Trunk, Paging Trunk, Recorded Telephone Dictation Trunk, DID Answering Machine Circuit, Transmission Test Line Circuit, and Additional Power Failure Station Circuits) Identification, Installation, and Connections
240-208-201	1	Service Options — Method of Providing
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**SECTION 240-000-000**

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240-228-501	2	J1H011A — Data Distributor Circuit — Tests Using 124A Test Set SD-1H070-01	240-253-503	3	Trouble Locating Procedure for Failure Detected by Time Division Control Disable Using 131A Test Set
240-229-501	2	J1H011A — Clock Circuit — Tests Using 124A Test Set SD-1H070-01	240-253-504	3	Trouble Locating Procedure for Failure Detected by a Bounce Test
240-230-501	2	J1H011A — Switch Store Circuit — Tests Using 124A Test Set SD-1H070-01	240-253-505	3	Trouble Locating Procedure for Failure Detected by a Force Off-Hook Test
240-231-501	2	J1H011A — Ring-Ringback Logic Circuit — Tests Using 124A Test Set SD-1H070-01	240-253-506	3	Trouble Locating Procedure for Failure Detected by a Group Translator Test Using 131A Test Set
240-232-501	2	J1H011A — Line Number Translator Circuit — Tests Using 124A Test Set SD-1H070-01	240-253-507	3	Trouble Location Procedures for Failure Detected by an Immediate or Interrupted Ring Test
240-233-501	2	J1H011A — Attendant Number Translator Circuit — Tests Using 124A Test Set SD-1H070-01	240-253-508	3	2A — Trouble Locating Procedure for Failure Detected by a Transmission Test
240-234-501	2	J1H011A — Attendant Circuit — Tests Using 124A Test Set SD-1H070-01	240-253-509	3	Trouble Locating Procedure for Failure of Attendant Circuit — Using 131A Test Set
240-235-501	2	J1H011A — Transfer and Alarms Circuit — Tests Using 124A Test Set SD-1H070-01	240-253-510	2	Trouble Locating Procedure for Failures Detected During 24-Hour Maintenance Using 131A Test Set
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240-238-501	2	J1H011A — Tone Generators Circuit — Tests Using 124A Test Set SD-1H070-01			
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240-248-201	3	2A — Miscellaneous Equipment — Identification, Installation, and Connections	240-256-202	3	Attendant Equipment — Attendant Direct Station Selection — Installation and Connection
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240-252-501	1	Attendant Equipment — Attendant Direct Station Selection — Operation Test	240-261-501	3	Manual Tests
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Add 240-263-502	2			240-300-302	2 Night Coverage Procedure	
240-263-502	3	3A and 4A — Trouble Locating Procedures for Failure Resulting in Scanner Switch Using 131A Test Set SD-1H119-01		240-313-301	1 Trunk Control Frame Cross Connections	
240-263-504	3	3A or 4A — Trouble Locating Procedure for Failure Detected by a Bounce Test		240-314-010	1 Procedure for Preparing Form E-5130-9 — Program Store Administrative Data	
240-263-505	3	3A and 4A — Trouble Locating Procedure for Failure Detected by Force Off-Hook Test		240-315-301	2 Twistor Store Cards — Method of Encoding and Procedure for Verification	
240-263-506	3	3A or 4A — Trouble Locating Procedure for Failure Detected by a Group Translator Test		240-315-701	2 2-Type Card Writing Unit — Requirements and Adjusting Procedures — Piece-Part Data and Replacement Procedures	
240-263-507	3	Trouble Locating Procedure for Failure Detected by an Immediate or Interrupted Ring Test Using 131A Test Set		240-315-801	1 2A Card Writing Unit SD-1H063 — Piece-Part Data and Replacement Procedures	
240-263-508	4	3A or 4A — Trouble Locating Procedure for Failure Detected by Transmission Test		240-320-501	1 Manual Maintenance Routine	
Add 240-263-509	1			240-321-501	5 Maintenance Center On-Line Timers — Test of Redundant Circuits	
240-263-509	3	3A or 4A — Trouble Locating Procedure for Failure of Attendant Circuit Using 131A Test Set		240-323-501	6 Maintenance Center Lockout Relays — Test of Redundant Circuits	
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240-263-510	2	3A and 4A — Trouble Locating Procedure for Failures Detected During 24-Hour Maintenance Using 131A Test Set		240-327-501	3 Maintenance Center Data Control Transfer Circuit — Test of Power Diodes	
240-263-511	3	Trouble Locating Procedure for Failure Detected by an Intergroup Switch Test Using 131A Test Set		240-341-501	3 Twistor Store — Conditioning Procedure	
240-263-512	4	3A and 4A — Trouble Locating Procedure for Failure Detected by Digit Trunk Test — Using 131A Test Set		240-342-501	1 Twistor Store Failures — Test of Readout Loop	
Add 240-263-513	1			240-343-501	2 Control Unit Clock — Manual Test	
240-263-513	2	Trouble Locating Procedure for Failures Detected by the Synch Test Using 131A Test Set SD-1H119-01		240-345-501	3 Call Store — Marginal Test	
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240-270-101	1	Audit Procedure		240-351-301	1	Control Unit — Power Failure — Alarms and Procedures
240-270-301	2	General Guide to Trouble Analysis		240-351-501	3	Control Unit Data Link Transfer Circuit — Test of Power Diodes
240-271-501	1	Manual Tests		240-353-501	3	Control Unit Data Transmitter — Test of the Power Diodes
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			240-355-501	3	Test Point Comparator Circuit SD-1H059-01 — Tests	