

**FILING NOTICE**

THIS SECTION IS A COVER SHEET FOR THE MANUFACTURER'S INSTRUCTION MANUAL. ATTACH THIS SECTION TO IT.

**ALSTON INDIVIDUAL CIRCUIT DATA RECORDER  
MODEL 600**

**1. GENERAL**

1.01 This section is a cover sheet for the Alston Division Model 600, Individual Circuit Data Recorder Instruction Manual, Model 80600. GAEL 1770 authorizes this equipment for use in Pacific Company.

1.02 (Reserved for future use)

1.03 The data recorder is an expandable traffic-gathering system that collects simultaneous usage and peg-count data. A fully configured system can monitor from 40 to 16,000 individual input leads from trunks or circuits. Peg-count and usage (in CCS or Centi-Erlangs) is collected and stored from each lead, then grouped within the system. One-second usage data resolution is obtained via a scanning technique that strokes the equipment once each second. The usage data collected is divided by 100 or 36 to obtain CCS or Centi-Erlang data. An integral maintenance calculator provides holding time and exception reports from the system.

1.04 The system provides programming for up to 2000 output groups each containing any number of inputs. Each input comprises one peg-count and one usage reading. Two registers are associated with each input group (peg-count and usage) thus a total of 4000 registers may be accommodated. Peg-count is determined by the number of times a circuit was found to be busy for a period between 20 and 320 milliseconds. Usage is the number of times the circuit is found to be busy. The system may be set to dump (print-out) data automatically each hour, half-hour or 15 minutes.

1.05 The maintenance calculation feature provides valuable maintenance engineering data which quickly reveals the identity of a defective trunk and other faults in the switching system.

1.06 If corrections are required in the manufacturer's instruction manual, use Form E 3973-1 as described in Section 000-010-901PT to process the correct information.

1.07 If equipment design and/or manufacturing problems should occur, refer to Section 010-700-010PT for procedures on how to file an Engineering Complaint.

1.08 When revised instructions reflect changes due to modification of equipment, retain the superseded information until equipment is modified.

*Note:* Equipment shall *not* be modified without the approval of the Equipment Maintenance Engineer.

**2. TRAINING REQUIREMENTS**

2.01 Formal training on the Alston 600 is available at the Factory Training Center in Duarte, California.

2.02 Scheduling and reservations should be made through the Regional Training Coordinator.

**3. MAINTENANCE**

3.01 Field repairs that involve replacements of components within this unit are not recommended.

3.02 Maintenance will consist of determining the status of alarmed conditions and replacing circuit boards.



*Caution:* Do not remove circuit boards with the power ON, except for the input boards (383006) that have no active circuits.

**NOTICE**

Not for use or disclosure outside the  
Bell System except under written agreement

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## SECTION 252-133-900PT

3.03 To provide complete testing of nearly all of the electronics of the equipment, a Model 910 Auto Test Set is used for initial and periodic checks of the system. (See Part 4).

### 4. ORDERING PROCEDURES

4.01 Copies of the instruction are supplied with the initial installation. To obtain additional copies, order direct from:

Alston Division  
Conrac Corporation  
1724 South Mountain Avenue  
Duarte, CA 91010

4.02 Order equipment on a GTP-2 Purchase Order Form in accordance with SI 70, Section 2 or instructions in the GTP Catalog. Refer to Master Agreement Number 76-01 on all orders. Send Purchase Orders to the address shown in 4.01.

4.03 The Model 910 Auto Test Set may be ordered directly from Alston. Order test set on a GTP-2 form in accordance with SI 70, Section

2 or instructions in the GTP Catalog. Refer to Master Agreement Number 76-01 on all orders. Send Purchase Orders to the address shown in 4.01.

### 5. REPAIR/RETURN

5.01 Items which are being returned to the Alston Division should be adequately packaged and accompanied by Form GTP A109SR. This form must contain the following information:

- Part and/or Model Number.
- Name of Item
- Serial Number (date stamp if item is a circuit board).
- Description of the Problem.
- Your Name, Address, and Telephone Number.

5.02 Attach a GTP 2161 tag to the item being returned. Return shipping charges on repaired items will be paid by Alston for in-warranty items, Pacific Telephone will pay for out-of-warranty items.