

ALARMS FOR SWITCHING EQUIPMENT SUPPORT SYSTEMS

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IBM	International Business Machines
RMCS	Remote Monitor and Control System
ROTL	Remote Office Test Line
SMAS	Switch Maintenance Access System
SPC	Stored Program Control
SSOC	Switching Services Operations Center
TELCO	Telephone Operating Company

1. GENERAL

1.01 This practice:

- Lists the alarms for switching equipment support systems.
- Identifies the alarm as:
 - Major or minor.
 - Audible.
 - Visible on a shelf or bay or aisle.
- Designates if the alarm
 - Can be reset.
 - Requires remote monitoring during unstaffed periods at any location specified by the telephone operating company (Telco).

NOTE: If the central office (CO) is staffed 24 hours a day, remote monitoring is not required.

2. ACRONYMS

2.01 The acronyms used in this practice are as follows:

ACRONYM	MEANING
CAROT	Centralized Automatic Reporting on Trunks
CARS	Centralized Alarm Reporting System
co	Central Office
COLT	Central Office Line Tester
4-TEL	A subscriber line test system manufactured by Teradyne, Inc.

3. OVERVIEW

3.01 The types of alarm indications are not defined in this practice because they can vary with the manufacturer. Therefore:

THIS TYPE OF INDICATION.	MAY BE.
Visible	In lamps of various colors.
Audible	A bell, gong, buzzer, chime, horn, etc.

3.02 Consult the manufacturer's documentation and job drawings for:

- Details about the specific equipment.
- The wiring of alarms.

3.03 Alarms for remote monitoring are arranged by using:

- Alarm sending equipment (originating end).
- Alarm receiving equipment (terminating end).

3.04 Use a centralized alarm reporting system (CARS) such as the ADC 2711 or Lenkurt System 51, as described in Part 4. The Telco's needs will determine the type to use.

3.05 Remote capability should be available.

3.06 Local requirements will determine whether an alarm indication will be extended.

ELECTRONIC SWITCHING SYSTEMS

References

3.07 Other practices dealing with equipment alarms are:

NUMBER	TITLE
205-000-000	Equipment Alarms Overview
205-000-001	Alarms for Electromechanical Switching Equipment
205-000-002	Alarms for Electronic Switching Equipment
205-000-003	Alarms for Toll Equipment
205-000-004	Alarms for Carrier and Radio Facilities
205-000-006	Alarms for Peripheral Equipment

3.08 Additional information is contained in the following GTE Practices:

NUMBER	TITLE
100-644-XXX	4-TEL Subscriber Line Test System series
209-651-XXX	Remote Monitor and Control System series

222-002-301	Remote Office Test Line, Compensation and Calibration Procedures
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4. **CENTRALIZED ALARM REPORTING SYSTEM (CARS)**

4.01 CARS is a computer support system that monitors and controls stored program control switching system alarms from a centralized location.

4.02 CARS enables Switching Services Operations Center (SSOC) personnel to monitor alarms and status indications on a 24 hours a day, 7 days a week basis.

4.03 Although the CARS system primarily supports SPC switching systems, other types of central offices (COs), radio sites, and administrative buildings may be required to use this remote alarm capability.

4.04 Alarms are reported remotely to the SSOC via a remote reporting system. Remote alarms are defined as the audible and visual indication of a fault condition in a location other than the one at which the alarm condition exists.

5. **SUPPORT SYSTEM ALARMS**

5.01 Exhibit 1 on Page 3 lists the switching equipment support system alarms typically used in many COs.

NOTE: These alarms are visible on a shelf or bay.

Support System Alarms

TYPE OF ALARM	IS THE ALARM VISIBLE ON AN AISLE?*	IS THE ALARM AUDIBLE?	STATUS	IS THE ALARM RESETTABLE?	IS REMOTE MONITORING REQUIRED?
AUOICHRON TIME ANNUNCEK Fuse No Audible Call Waiting	No NO No	No No No	Maj or** M nor M nor	No No NO	No No No
CARS	Yes	Yes	Maj or	Yes	No
COLT	Yes	No	M nor	No	No
KMCS	Yes	Yes	Maj or	Yes	No
ROTL/CAROT	Yes	Yes	M nor+	No	No
SMAS	Yes	Yes	M nor+	No	No
SUBSCRIBER RECORDING SYSTEMS Telescences SRS-2001 (e.g., fuse) IBM System 7	No Yes	No Yes	Maj or Maj or	No Yes	No Yes
SUBSCRIBER LINE TEST SYSTEMS, e.g.: 4-TEL Noller	Yes Yes	Yes Yes	Maj or Maj or	No No	Yes Yes
TRAFFIC MONITORING (e.g., TELESCIENCES) Fuse Power Supply Fan	Yes Yes Yes	Yes Yes Yes	Maj or Maj or Maj or	No No No	No No No

* All of these alarms are visible on a shelf or bay.

** Manufacturer designed the alarm as minor but GTE's recommended standard is major.

+ Manufacturer designed the alarm as major but GTE's recommended standard is minor.

Exhibit 1