



## DEFENSE INFORMATION SYSTEMS AGENCY

P.O. BOX 4502  
ARLINGTON, VIRGINIA 22204-4502

DISA CIRCULAR 270-A85-1\*

6 March 2007

*Date last reviewed: 9 Nov 2009*

### REPORTS

Satellite Communications (SATCOM)  
Equipment Reporting System (SERS)

1. **Purpose.** This Circular prescribes policy and assigns responsibility for the satellite communications (SATCOM) Equipment Reporting System (SERS) procedures for submitting a SATCOM Equipment Report (SER).
2. **Applicability.** This Circular applies to the Defense Information Systems Agency (DISA), military departments (MILDEPs), and other entities of the Department of Defense (DoD) that are responsible for the operations and maintenance (O&M) of Defense Satellite Communications System (DSCS) facilities. (These facilities include earth terminals, Wideband SATCOM Operations Centers (WSOCs), and Digital Communications Satellite Subsystems [DCSS].)
3. **Authority.** This Circular is published in accordance with the authority contained in DoD Directive 5105.19, Defense Information Systems Agency (DISA), 25 July 2006.
4. **References.**
  - 4.1 Confidential DISA Circular 800-A110-1, DSCS Security Classification Guide (U), 12 April 1995.
  - 4.2 DISA Circular 310-55-1, Status Reporting, 21 January 2000.
5. **Definitions.** A glossary of terms is provided in [enclosure 1](#).
6. **Policy.** A SATCOM Equipment Report (SER) shall be submitted for all DSCS operational equipment (includes online and spare), in accordance with criteria specified in this Circular.

7. **Objective.** The objective of SERS is to collect DSCS equipment performance information. DSCS equipment includes earth station equipment; such as, transmitters, receivers, frequency converters, timing sources, antennas, tracking systems, modems, multiplexers, and uninterruptible power supplies (UPS). Information derived from these reports, through trend analysis, will assist DISA in assessing operational equipment readiness, evaluating maintenance and repair procedures, and identifying equipment deficiencies and life-cycle issues.

8. **Procedures.** Procedures for preparation and submission of a SER are contained in [enclosure 2](#).

9. **Responsibilities.**

9.1 The Chief, Satellite Management Branch (DISA/GS221) will oversee the SATCOM Equipment Reporting System (SERS) and will collect, process, and analyze the data gathered by this reporting system.

9.2 The MILDEPs, DoD, and government agencies will submit SERs for all DSCS equipment (e.g., earth terminal, WSOC, and DCSS equipment) for which they have O&M responsibilities.

10. **SERS Trend Analysis Reports.** A SER database used for trend analysis and report generation is maintained by DISA. Trend analysis reports are available upon a written request to the Chief, Satellite Management Branch, DISA/GS221, ATTN: SATCOM Equipment Reports, P.O. Box 4502, Arlington, Virginia 22204-4502. (E-mail address is [dscsprog@disa.mil](mailto:dscsprog@disa.mil) or [dscsprog@disa.smil.mil](mailto:dscsprog@disa.smil.mil).)

11. **Report Retention.** The originator shall retain SERs for 1 year after the end of the calendar year.

12. **Suggested Changes.** Suggested changes to the SERS reporting procedures should be addressed to the Chief, Satellite Management Branch, DISA/GS221, ATTN: SATCOM Equipment Reports, P.O. Box 4502, Arlington, Virginia 22204-4502, and to the parent HQ O&M command, as applicable.

FOR THE DIRECTOR:

2 Enclosures a/s

  
MARK S. BOWMAN  
Brigadier General, USA  
Chief of Staff

SUMMARY OF SIGNIFICANT CHANGES. This revision includes the addition of AN/TSC-86B and C equipment identification codes; addition of AN/GSC-52A modified terminal equipment identification codes; addition of WSOC equipment identification codes; deletion of nonmodified AN/TSC-86 equipment identification codes; deletion of nonmodified AN/FSC-78/79 and AN/GSC-39 equipment identification codes; addition of the BEM and EBEM to Table T1.3; addition of the AN/GSC-52A, GMD terminal to Table T1.26; addition of the RFMOW to Table T1.27; addition of Assembly Code 31, Facility Equipment; deletion of AN/TSC-86A; addition of the Global Terrestrial Critical Control Circuit System (GTC3S) Remote User (RU); deletion of the OM-55 identification codes; deletion of the AN/FGQ-13, SMCT II; and deletion of AN/FSC-78B, AN/GSC-39B, AN/GSC-52, and AN/TSC-86B equipment identification codes.

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\*This cancels DISAC 270-A85-1, 11 March 1998.

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**Return to:**

[Top of DISAC 270-A85-1 Basic](#)

[DISAC 270-A85-1 Enclosure 1](#)

[DISAC 270-A85-1 Enclosure 2](#)

[DISA Publications Listing](#)

[DISA Home Page](#)

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Enclosure 1: DISAC 270-A85-1

### GLOSSARY OF TERMS

ASI	authorized service interruption
ASSY	assembly
AZ	azimuth
BEM	Bandwidth Efficient Modem
C	corrected copy
C-E LCMC	Communications-Electronic Life Cycle Management Command
CY	calendar year
DCSS	Digital Communications Satellite Subsystem
DISA	Defense Information Systems Agency
DoD	Department of Defense
DSCS	Defense Satellite Communications System
DSN	Defense Switched Network
DTG	date time group
EBEM	Enhanced Bandwidth Efficient Modem
F	Final
FET	field effect transistor
FOUO	For Official Use Only
GMD	Ground-Based Midcourse Missile Defense
GTC3S RU	Global Terrestrial Critical Control Circuit System (GTC3S) Remote User (RU)
HAZCON	hazardous condition
LNA	low noise amplifier
MILDEP	military department
N/A	not applicable
NetOps	network operations
NSN	National Stock Number
O&M	operations and maintenance
POC	point of contact
P.S.	power supply

RFMOW Replacement Frequency Modulation Orderwire

S/N serial number  
SATCOM satellite communications  
SER SATCOM Equipment Report  
SERS SATCOM Equipment Reporting System  
SSE SATCOM System Expert  
SUPPL supplemental

TCL time of communications loss  
TCR time of communications restoral  
TNC Theater NetOps Center  
TOF time of failure  
TOR time of repair  
TTR time to repair  
TWT traveling wave tube

UMMIPS Uniform Material Movement & Issue Priority System  
UPS uninterruptible power supply

WSOC Wideband SATCOM Operations Center

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**Return to:**

[Top of DISAC 270-A85-1 Enclosure 1](#)

[DISAC 270-A85-1 Enclosure 2](#)

[DISAC 270-A85-1 Basic](#)

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**SATCOM EQUIPMENT REPORT (SER)**

1. **General.** A SATCOM Equipment Report (SER) records equipment failures, operating hours, maintenance, logistics information, and configuration changes.

2. **Criteria and Timeline for Submission.**

2.1 **Criteria.** A SER shall be submitted for the following reasons:

2.1.1 Failure of online or offline equipment, whether or not operational capability is affected. Reportable failures are events that cause unscheduled maintenance or repair actions.

2.1.2 Reporting maintenance, repair actions taken, scheduled maintenance that require replacement parts, training, or preventive maintenance.

2.1.3 Maintenance and repair actions conducted by military, contracted, or other personnel on equipment that may impact the terminal's ability to support communications, to include air conditioning, power, and other support systems.

2.1.4 Permanent changes in station equipment configurations to include removing or installing end item equipment or entire systems due to a new mission requirement, upgrade, or turn-in.

2.1.5 Shutdown and subsequent startup of a system for reasons other than equipment failure (e.g., scheduled maintenance downtime, downtime for modifications, emergency downtime, etc.).

2.2 **Timeline.**

2.2.1 A SER must be submitted within 8 hours for equipment failure or event; e.g., high winds that cause the antenna to be placed in stow, fire, earthquake damage, etc. that causes a station to open a hazardous condition (HAZCON).

2.2.2 A SER must be submitted within 24 hours for any event that does not require the site to open a HAZCON. If the event(s) occurs during the weekend, a SER is to be submitted during the next working day.

2.2.3 If an event or equipment failure is resolved within 8 hours, only one SER (a Final [see subparagraph [3.3](#)]) is required.

3. **Types of Report.** There are seven types of reports: Initial, Interim, Final, Supplemental, Quarterly, Authorized Service Interruption (ASI), and Configuration Change. A description of each report type follows.

3.1 **Initial.** The first report submitted for an event in accordance with the criteria outlined in subparagraph [2.1](#).

3.2 **Interim.** A follow-on report is used to update an open SER when additional information becomes available. Interim reports should be submitted when parts are placed on order, received, and replaced or when a change in status occurs.

3.3 **Final.** This report closes out an open SER or event. These reports are submitted after all repair actions are completed to include burn-in time.

3.4 **Supplemental.** This report provides additional information after a Final SER has been submitted.

3.5 **Configuration Change.** This report identifies changes to the site equipment configuration (additions or deletions). In order to attain a degree of configuration management of all Defense Satellite Communications System (DSCS) satellite equipment, configuration change SERs are intended to report gains and losses of certain specified items of SATCOM equipment at the earth terminals and/or technical controls.

3.5.1 Permanent changes in equipment include removing or installing end item equipment, or entire systems due to a new mission requirement, upgrade, or turn-in.

3.5.2 Equipment shipped offsite for repair will be treated as a loss. Equipment received from off-site repair will be treated as a gain. Gains/losses will be reported, even though the type or amount of station equipment is unchanged.

3.5.3 As a minimum, the following equipment will be reported when a lack of spares exists: up/down converters, modulators/demodulators, encoders/decoders, multiplex equipment, bulk encryption devices, digital test sets, and spectrum analyzers. These same items are listed in the DSCS equipment inventory listing for the site.

3.6 **Authorized Service Interruption (ASI).** This report provides authorized system shutdown/startup.

3.7 **Quarterly.** This report provides a status of all open SERs for the respective quarter. This report is due the first week of each calendar quarter (April, July, October, and January) for the statistics of the prior quarter. All stations are required to submit a quarterly SER.

4. **Addressing and Precedence.** A report shall be addressed to the Chief, Satellite Management Branch (DISA/GS221), with an information copy to the respective O&M commands, the Communications-Electronic Life Cycle Management Command (C-E LCMC), and applicable Theater Network Operations (NetOps) Center (TNC). A list of addresses may be found at in figure [F1.1](#). The following guidelines apply to SERs precedence:

4.1 IMMEDIATE: SERs that report station/link/trunk outages.

4.2 PRIORITY: SERs that report HAZCON openings.

4.3 ROUTINE: All other events.

5. **Classification.** A SER shall be classified in accordance with reference [4.1](#). A SER that details ongoing outages may be classified and is authorized for submission, but the conventional use of a classified SER for HAZCON or part failures is discouraged. At a minimum, all SERs will be transmitted as "For Official Use Only" (FOUO) and "Encrypted for Transmission Only." Any classified SER shall reference a classification authority and a declassification date, e.g., "Classified by: (list source), Declassify on (date)."

6. **Explanation.** A line-by-line explanation of the SER followed by examples of each type of report follow. An outline of the SER format is provided in figure [F1.2](#).

6.1 **Subject Line.** The subject line consists of the title, three-letter station designator, system type, terminal serial number, and SER number.

6.1.1 **Title.** "SATCOM Equipment Report"

6.1.2 **Three-letter Station Designator.** As assigned to site; for example, BED, GND, CPX, BOC, or KNI.

6.1.3 **System Type.** Use the nomenclature of the system with the failed equipment, such as AN/GSC-52A, AN/FSC-78C, AN/MSC-66, or AN/FSC-131.

6.1.4 **Terminal Serial Number.** Use the serial number assigned to the system.

6.1.5 **SER Numbering.** It is imperative that all stations follow the SER numbering system described in this Circular. The SER number consists of six or more alphanumeric characters. The three leftmost characters depict the SER event number, while the remaining characters indicate the number of submissions for that event and type of report. The first report of a calendar year is numbered "001-01." SERs on subsequent events are numbered sequentially; "002-01," "003-01," etc. The first three numbers of the report tie all follow-up messages to the initial SER. If a SER is not numbered properly, it cannot be tracked, leaving the event log open in the database. All open SERs carried over from previous years retain their original sequence number. A follow-on SER will be sent when additional significant information becomes available, using the same sequence number and the subsequent report number with the year of submission in parenthesis (e.g., 012-03I(99)).

Example: 012-01F

012 - indicates sequence number

01 - indicates first report

F - indicates the Final report

6.1.5.1 **Initial.** The initial SER number will not contain an ending suffix unless the repair action is completed within 8 hours (figure [F1.3](#)).

6.1.5.2 **Interim.** If a follow-on SER is required, the SER will be submitted at the time additional significant information becomes known. Interim SERs (figure [F1.4](#)) pertaining to this event will end with the suffix "I" and are numbered "001-02I," "001-03I," and so forth.

6.1.5.3 **Final.** The Final SER of an event carries the suffix "F" after the SER number even if only one SER is submitted for the event (figure [F1.5](#)).

6.1.5.4 **Supplemental.** Should additional information become available after a Final SER on a given event, this information will be submitted using the Final SER number with the suffix "F" replaced by the suffix "S" (figure [F1.6](#)).

6.1.5.5 **Authorized Service Interruption (ASI).** An authorized system shutdown or startup SER will carry a SER number followed by the suffix "A" (e.g., 005-01A) (figure [F1.7](#)).

6.1.5.6 **Quarterly.** A quarterly SER will be numbered as follows: 000-01Q for January - March, 000-02Q for April - June, etc (figure [F1.8](#)).

6.1.5.7 **SER Corrections.** When a SER is submitted to correct a previous SER, the original SER number shall be used with the suffix "C" to indicate corrected copy, e.g., "005-01C".

6.2 **Time of Failure (TOF) (Line #1).** Enter the Zulu Date Time Group (DTG) when the equipment failed. Use [line #10A](#) if terminal was intentionally shutdown for an Authorized Down Time.

6.3 **Time of Repair (TOR) (Line #2).** Use for Final SERs only. Enter the Zulu DTG when the repair action was completed. Use [line #10B](#) if the repair is accomplished during authorized system shutdown.

6.4 **Time of Communications Capability Loss (TCL) (Line #3).** Enter the Zulu DTG when communications capability is lost. Enter "N/A" if equipment failure did not cause a loss of communications.

6.5 **Time of Communications Capability Restoral (TCR) (Line #4).** Enter the Zulu DTG that the communications capability was restored.

6.6 **Failure Identification (Line #5).** Identify failed equipment and all repair parts replaced regardless of what entity performed the repair action. If one failure results in another, or there are multiple failures during repair, treat these events as one failure, and identify all failed equipment. Do not include minor fix actions that do not affect the equipment's operational capability (e.g., indicator lights, lamps, lenses, knobs, fasteners, nuts, or bolts).

6.6.1 **Assembly Identification Code (Line #5A).** Enter the applicable system/subsystem name, unit, and assembly codes from [tables T1.1 through T1.28](#), Equipment Identification Codes. The assembly code tables may be found at [https://edge.disa.mil/ca/cst\\_tables/index.html](https://edge.disa.mil/ca/cst_tables/index.html).

Example: 07010301  
07 - Indicates system  
01 - Indicates subsystem  
03 - Indicates unit  
01 - Indicates assembly

The identification code tables are not all inclusive. If the failed equipment is not listed, substitute "XX" for unlisted codes and provide a detailed description of the part in [line #5C](#).

**6.6.2 Part Identification (Line #5B1 through #5B4).** Enter the following information for all parts that are replaced or repaired. This section should only be filled out when parts are replaced or repaired. Do not fill in this section before the item is repaired or replaced.

**6.6.2.1 Noun Nomenclature (Line #5B1).** List the noun nomenclature of all repaired or replaced parts, or both. Use descriptive terms such as "Up converter Interface CCA A3" instead of "Circuit Card Assembly" or "CCA".

**6.6.2.2 National Stock Number (NSN) (Line #5B2).** Enter the corresponding NSN for each part.

**6.6.2.3 Drawing Number or Manufacturer's Part Number (Line #5B3).** Identify the respective drawing number or manufacturer's part number (if applicable), and identify the reference designator for each part (e.g., SM-F-719103; 14A17A1).

**6.6.2.4 Serial Number (S/N) (Line #5A4).** Report the serial number of the defective item, if known.

**6.6.3 Description of Failure (Line #5C).** Details of the failure will be entered in lines #5C1 and #5C2.

**6.6.3.1 Narrative Description of Failure (Line #5C1).** Describe the failure as fully as possible and the circumstances leading to its occurrence. All DSCS equipment failures, including Digital Communications Satellite Subsystems (DCSS), must be properly reported. It is critical that the exact nature of the symptoms be described in detail. This information will assist the DSCS SATCOM Systems Expert (SSE) to identify and resolve systemic failures and document all recurring system failures.

**6.6.3.2 Module Identification (Line #5C2).** Provide a detailed description of parts that were replaced but not included in the

tables. Include nomenclature, NSN, part number, manufacturer's part number, reference designator, and serial number for each part.

**6.7 Repair Action (Line #6).** Describe in detail the repair action accomplished or planned. If a temporary fix is used, provide details. If a requisition is initiated because no spare is available, provide requisition details both here and [line #8E](#) under Logistics Action.

**6.8 Time to Repair (TTR) (Line #7).** State the total man-hours of corrective maintenance TTR in days, hours, and minutes. Include the preparation time, fault location, fault correction, and checkout. If a temporary fix is made, include that time. TTR does not include supply time or administrative delays. Computation of TTR involves the following:

6.8.1 Preparation time includes the time it takes to obtain and setup the necessary test equipment, conduct the maintenance or repair, and gain access to the equipment.

6.8.2 Fault location time includes the time to test and analyze an item to isolate a malfunction.

6.8.3 Fault correction time is the time spent to correct the malfunction, either with the faulty item in place, or removing, replacing, and reinstalling parts.

6.8.4 Burn-in test time required to burn-in equipment.  
(This computation is for total man-hours required, not just the time it takes to accomplish the repair.)

**6.9 Logistics Action (Line #8).** This section should be filled out for all parts placed on order. Leave [line #8A](#) blank until the part is received.

**6.9.1 Supply Time (Line #8A).** Enter time in days, hours, and minutes. If repair cannot be accomplished at once because there is no replacement on site, report the following:

6.9.1.1 Supply (delay) time: Supply time is that portion of time awaiting repair parts. Time begins when the site personnel determine a need for a part but it is not immediately available, and ends when the part is received.

6.9.1.2 Any supply difficulties shall be completely explained here, such as the part being placed on back order.

6.9.2 **NSN (Line #8B).** Enter the item(s) national stock number.

6.9.3 **Drawing Number, Manufacturer's Code, and Reference Designator (Line #8C).** Enter the part number and reference designator plus the five digit federal manufacturer's code (e.g., LMC28YR, 32A1A11PS1, 80103).

6.9.4 **Noun Nomenclature (Line #8D).** Enter item name nomenclature (e.g., power supply).

6.9.5 **Requisition Number and Priority (Line #8E).** Enter the Requisition number and Uniform Material Movement & Issue Priority System (UMMIPS) priority designator as assigned to the requisition.

6.10 **Configuration Change, (Line #9).** Report equipment gains, losses, or both. Enter equipment name, type, quantity, serial number, and date of any permanent site configuration changes. Include removal/installation of racks if applicable (figure [F1.9](#)).

6.11 **Authorized System Shutdown/Startup (Line #10).** When authorized equipment service interruption (e.g., emergency, scheduled, or unscheduled downtime) occurs, provide the following information:

6.11.1 **Actual Shutdown Time, (line #10A).** Enter the DTG in Zulu time.

6.11.2 **Actual Startup Time, (Line #10B).** Enter the DTG in Zulu time.

6.11.3 **Shutdown/Startup Maintenance Accomplished (Line #10C).** Identify and describe any maintenance accomplished during the authorized system shutdown. If equipment repair takes place during this downtime, submit SERs, as applicable, in subparagraph [6.6.2](#). The following data must be mentioned in the Authorized System Shutdown/Startup SER:

6.11.3.1 Up-link alignments were performed and results reported.

6.11.3.2 Antenna was properly lubricated and exercised.

6.11.3.3 Training on acquiring the satellite and hand cranking was performed.

6.11.3.4 Converter transfer switches were tested and exercised.

6.11.3.5 Pillow blocks on OE-222 and OE-371 antennas were inspected.

6.11.3.6 Additional Shutdown/Startup Remarks - If inadequate time or circumstances prevent these items from being performed, state the reasons in [line #12](#) (figure [F1.8](#)).

6.12 **Status (Line #11).** Detailed information is contained in lines #11A and #11B.

6.12.1 **System Status (Line #11A).** Enter the following system status codes:

6.12.1.1 O - For Operational if all trunks and carriers are operational.

6.12.1.2 P - For Partially Operational if any trunk or carrier is not operational.

6.12.1.3 M - For Scheduled Maintenance.

6.12.1.4 N - For Nonoperational if all trunks and carriers are non-operational.

6.12.2 **Station HAZCON Status (Line #11B).** Use respective code below to indicate station status (if applicable to SER).

6.12.2.1 **HAZCON.** As specified by reference [4.2](#).

6.12.2.2 **No HAZCON.** The action that generated this SER does not place the station in HAZCON.

6.12.2.3 **Exit HAZCON.** Indicates the station is off HAZCON status.

6.13 **Remarks (Line #12).** This section is used to provide additional information. Include any further details on the event, failure, or HAZCON (and its cause) if known. State the reason for HAZCON and corresponding SER(s) number(s). If there are several items that contribute to a station's HAZCON, enter the SER number, item name, and status, as shown in figure [F1.3](#).

e.g., "This station is in HAZCON for:"

SER# 003-02I: Tracking system - Awaiting AZ motor.

SER# 005-01: LNA - Awaiting FET.

SER# 009-03I: Transmitter #1 - Awaiting TWT.

List a point of contact (POC), DSN and commercial phone numbers, and e-mail address.

7. **Quarterly Report.** This report provides a status of all open SERs for the respective quarter (figure [F1.8](#)). Lines 1 through 11 will be listed as N/A. [Line #12](#) will contain the following information: SER number, failed end item, current status, and HAZCON.

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**Return to:**

[Top of DISAC 270-A85-1 Enclosure 2](#)

[DISAC 270-A85-1 Enclosure 1](#)

[DISAC 270-A85-1 Basic](#)

[DISA Publications Listing](#)

[DISA Home Page](#)

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FIGURE F1.1 ADDRESSEES

**FM** (sending DSCS station)  
**TO** DSCS PROGRAM MANAGER WASHINGTON DC//  
**INFO** (all stations)  
DSCS NETWORK MANAGER WASHINGTON DC//  
CDRCECOM FT MONMOUTH NJ//AMSEL-LC-COM-S//  
CDR PM DCATS FT MONMOUTH NJ//SFAE-PS-TS-DSC/SFAE-C3S-MSA-DT//  
APPLICABLE TNC.  
SERs MUST BE ADDRESSED, AT A MINIMUM, TO THOSE LISTED BELOW.  
O&M UNITS WILL ADDRESS THEIR RESPECTIVE O&M AND INTERMEDIATE  
HQ'S AS REQUIRED BY THEIR STANDING OPERATING PROCEDURES (SOP).

**A. DMS**

DSCS NETWORK MANAGER WASHINGTON DC [LEGACY AUTODIN PLA]  
C=US/O=U.S.  
GOVERNMENT/OU=DOD/OU=DISA/OU=ORGANIZATIONS/OU=ORG STAFF/OU=GIG  
OPERATIONS DIRECTORATE/OU=SATCOM DIV/OU=DISA DSCSOPS(UC)

DSCS PROGRAM MANAGER WASHINGTON DC [LEGACY AUTODIN PLA]  
C=US/O=U.S.  
GOVERNMENT/OU=DOD/OU=DISA/OU=ORGANIZATIONS/OU=ORG STAFF/OU=GIG  
COMBAT SUPPORT DIRECTORATE/OU=CENTER FOR NETWORK  
SERVICES/OU=DISA DSCSPROG(UC)

CDR PM DCATS FT MONMOUTH NJ//SFAE-PS-TS-DSC// [DMS DELIVERY  
ONLY]  
C=US/O=U.S.  
GOVERNMENT/OU=DOD/OU=ARMY/OU=ORGANIZATIONS/L=CONUS/L=FORT  
MONMOUTH NJ/OU=PEOEIS/OU=EIS DCATS/OU=EIS DCATS PROJ MGR(UC)

USANETCOM & 9TH ASC//NETC-OP/NETC-LOO// [DMS DELIVERY ONLY]  
C=US/O=U.S.  
GOVERNMENT/OU=DOD/OU=ARMY/OU=ORGANIZATIONS/L=CONUS/L=FORT  
HUACHUCA AZ/OU=NETCOM/OU=NETCOM G3 CUR OPS(UC)

C=US/O=U.S.  
GOVERNMENT/OU=DOD/OU=ARMY/OU=ORGANIZATIONS/L=CONUS/L=FORT  
HUACHUCA AZ/OU=NETCOM/OU=NETCOM G4(UC)

DISA EUR VAHINGEN GE//EU32// [LEGACY AUTODIN PLA]  
C=US/O=U.S.  
GOVERNMENT/OU=DOD/OU=DISA/OU=ORGANIZATIONS/OU=FIELD  
ORG/OU=DISA-EUR/OU=DISA OPS EUR(UC)/OU=DISA OPS SPT EVAL  
EUR(UC)

DISA PAC WHEELER AAF HI [LEGACY AUTODIN PLA]  
C=US/O=U.S.  
GOVERNMENT/OU=DOD/OU=DISA/OU=ORGANIZATIONS/OU=FIELD  
ORG/OU=DISA-PAC/OU=DISA TRANNET DIV PAC(UC)

**B. EMAIL**

DSCS NETWORK MANAGER WASHINGTON DC  
DSCSOPS@DISA.MIL

DSCS PROGRAM MANAGER WASHINGTON DC  
DSCSPROG@DISA.MIL / DSCSPROG@NCR.DISA.SMIL.MIL

CDRCECOM FT MONMOUTH NJ//AMSEL-LC-COM-S//  
AMSEL-LC-COM-S@MAIL1.MONMOUTH.ARMY.MIL

CDR PM DCATS FT MONMOUTH NJ//SFAE-PS-TS-DSC//  
SFAE-PS-TS-SCS@MAIL1.MONMOUTH.ARMY.MIL

DISA EUR VAIHINGEN//EU32//  
SATCOM@DISA.MIL / SATCOM@EUR.DISA.SMIL.MIL

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**Return to:**

[Top of Figure F1.1](#)  
[DISAC 270-A85-1 Enclosure 2](#)  
[DISAC 270-A85-1 Basic](#)  
[DISAC 270-A85-1 Enclosure 1](#)  
[DISA Publications Listing](#)  
[DISA Home Page](#)

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FIGURE F1.2 **FORMAT**

FM (SENDING DSCS STATION)  
TO DSCS PROGRAM MANAGER WASHINGTON DC  
INFO(ADDRESS LIST AS APPLICABLE IAW FIGURE [F1.1](#))  
(CLASSIFICATION)  
**SUBJ: SATCOM EQUIPMENT REPORT, 3 LETTER STATION DESIGNATOR,  
SYSTEM TYPE, TERMINAL SERIAL NUMBER, AND SER NUMBER.**

1. TOF (TIME OF FAILURE)
2. TOR (TIME OF REPAIR)
3. TCL (TIME OF COMMUNICATIONS LOSS)
4. TCR (TIME OF COMMUNICATIONS RESTORAL)
5. FAILURE IDENTIFICATION
  - A. NAME, SYSTEM, SUBSYSTEM, UNIT, AND ASSEMBLY IDENTIFICATION CODE.
  - B. PART IDENTIFICATION
    - (1) NOUN NOMENCLATURE
    - (2) NATIONAL STOCK NUMBER (NSN)
    - (3) DRAWING NUMBER OR MANUFACTURER'S PART NUMBER AND CODE, PLUS REFERENCE DESIGNATOR.
    - (4) SERIAL NUMBER
  - C. DESCRIPTION OF FAILURE
    - (1) NARRATIVE DESCRIPTION
    - (2) MODULE IDENTIFICATION
6. REPAIR (CORRECTIVE) ACTION
7. TTR (TIME TO REPAIR)
8. LOGISTICS ACTION
  - A. SUPPLY TIME
  - B. NSN
  - C. DRAWING NUMBER OR MANUFACTURER'S PART NUMBER, CODE, AND SERIAL NUMBER, IF APPLICABLE
  - D. NOUN NOMENCLATURE
  - E. REQUISITION PRIORITY
9. CONFIGURATION CHANGE
10. AUTHORIZED SYSTEM SHUTDOWN/STARTUP
  - A. ACTUAL SHUTDOWN ZULU DTG
  - B. ACTUAL STARTUP ZULU DTG
  - C. LISTING OF ALL SERs GENERATED DURING DOWNTIME AND A DESCRIPTION.
11. STATUS
  - A. SYSTEM STATUS
  - B. STATUS HAZCON
12. REMARKS

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**Return to:**

[Top of Figure F1.2](#)

[DISAC 270-A85-1 Enclosure 2](#)

[DISAC 270-A85-1 Basic](#)

[DISAC 270-A85-1 Enclosure 1](#)

[DISA Publications Listing](#)

[DISA Home Page](#)

---

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---

FIGURE F1.3 INITIAL SER

FM  
TO  
BT  
UNCLASS  
**SUBJ: SATCOM EQUIPMENT REPORT, JAC, AN/GSC-52A, SN 123, SER 009-01**

1. TOF: 101030Z JAN 05
2. TOR: N/A
3. TCL: N/A
4. TCR: N/A
5. FAILURE IDENTIFICATION
  - A. EQUIPMENT ID CODE: 9001010203
  - B. PART IDENTIFICATION
    - (1) NOUN: N/A
    - (2) NSN: N/A
    - (3) PN, RD: N/A
    - (4) SN: N/A
  - C. DESCRIPTION OF FAILURE
    - (1) DOWN CONVERTER FAILED ANNUAL PMCS, SWEEPS. THE 70 MHZ SWEEP WERE IN A 1.5DB WINDOW OVER THE 40 MHZ BANDWIDTH.
    - (2) N/A
6. REPAIR ACTION: TROUBLESHOOTING INDICATED THAT THE RF MODULE IS DEFECTIVE. PLACED PART ON ORDER.
7. TIME TO REPAIR: N/A
8. LOGISTICS ACTION:
  - A. N/A
  - B. 5998-01-416-0468
  - C. A3187842-1
  - D. RF MODULE
  - E. WDC01-5010-01, 04
9. CONFIGURATION CHANGE: N/A
10. AUTHORIZED SYSTEM SHUTDOWN/STARTUP
  - A. N/A
  - B. N/A
11. STATUS
  - A. O
  - B. NO HAZCON
12. REMARKS: THIS STATION IS IN HAZCON FOR  
SER# 052(04) - TRACKING SYSTEM - AWAITING FET ASSY  
SER# 004 - LNA - AWAITING P.S.  
SER# 007 - TRANSMITTER #1  
POC IS TSGT JONES DSN: 333-3033, COMMERCIAL #, EMAIL ADDRESS  
BT

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**Return to:**

[Top of Figure F1.3](#)

[DISAC 270-A85-1 Enclosure 2](#)

[DISAC 270-A85-1 Basic](#)

[DISAC 270-A85-1 Enclosure 1](#)

[DISA Publications Listing](#)

[DISA Home Page](#)

---

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---

FIGURE F1.4 INTERIM SER

FM  
TO  
BT  
(CLASSIFICATION)  
**SUBJ: SATCOM EQUIPMENT REPORT, JAC, AN/GSC-52A, SN 123, SER 009-02I**

1. TOF: 101030Z JAN 05
2. TOR: N/A
3. TCL: N/A
4. TCR: N/A
5. FAILURE IDENTIFICATION
  - A. EQUIPMENT ID CODE: 900101020301
  - B. PART IDENTIFICATION
    - (1) NOUN: RF MODULE
    - (2) NSN: 5998-01-416-0468
    - (3) PN,RD: A3187842-1
    - (4) SN: 147
  - C. DESCRIPTION OF FAILURE
    - (1) DOWN CONVERTER FAILED ANNUAL PMCS, SWEEPS. THE 70 MHZ SWEEP WERE IN A 1.5DB WINDOW OVER THE 40 MHZ BANDWIDTH.
    - (2) N/A
6. REPAIR ACTION: RECEIVED AND INSTALLED NEW RF MODULE. COMPLETED GAIN ADJUSTMENTS, SWEEPS, AND STARTED 24-HOUR BURN-IN.
7. TIME TO REPAIR: N/A
8. LOGISTICS ACTION:
  - A. 05 DAYS 10 HOURS 15 MIN
  - B. 5998-01-416-0468
  - C. A3187842-1
  - D. RF MODULE
  - E. WDC01-5010-01, 04
9. CONFIG CHANGE: N/A
10. AUTHORIZED SYSTEM SHUTDOWN/STARTUP
  - A. N/A
  - B. N/A
11. STATUS
  - A. O
  - B. HAZCON
12. REMARKS: THIS STATION IS IN HAZCON FOR  
SER# 004 - LNA - AWAITING P.S.  
SER# 007 - TRANSMITTER #1  
POC IS TSGT JONES DSN: 333-3033, COMMERCIAL #, EMAIL ADDRESS  
BT

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**Return to:**

[Top of Figure F1.4](#)

[DISAC 270-A85-1 Enclosure 2](#)

[DISAC 270-A85-1 Basic](#)

[DISAC 270-A85-1 Enclosure 1](#)

[Publications Listing](#)

[DISA Home Page](#)

---

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---

FIGURE F1.5 FINAL SER

FM  
TO  
BT  
(CLASSIFICATION)  
SUBJ: SATCOM EQUIPMENT REPORT, JAC, AN/GSC-52A, SN 123, SER  
009-03F

1. TOF: 101030Z JAN 05
2. TOR: 170445Z JAN 05
3. TCL: N/A
4. TCR: N/A
5. FAILURE IDENTIFICATION
  - A. EQUIPMENT ID CODE: 09010502
  - B. PART IDENTIFICATION
    - (1) NOUN: N/A
    - (2) NSN: N/A
    - (3) PN,RD: N/A
    - (4) SN: N/A
  - C. DESCRIPTION OF FAILURE
    - (1) DOWN CONVERTER FAILED ANNUAL PMCS, SWEEPS. THE 70 MHZ SWEEP WERE IN A 1.5DB WINDOW OVER THE 40 MHZ BANDWIDTH.
    - (2) 090105
6. REPAIR ACTION: COMPLETED 24-HOUR BURN-IN.
7. TIME TO REPAIR: 1 DAY, 8 HOURS, 00 MIN.
8. LOGISTICS ACTION:
  - A. N/A
  - B. N/A
  - C. N/A
  - D. N/A
  - E. N/A
9. N/A
10. AUTHORIZED SYSTEM SHUTDOWN/STARTUP
  - A. N/A
  - B. N/A
11. STATUS
  - A. O
  - B. EXIT HAZCON
12. REMARKS: THIS STATION IS IN HAZCON FOR  
SER# 007 - TRANSMITTER #1  
POC IS TSGT JONES DSN: 333-3033, COMMERCIAL #, EMAIL ADDRESS

BT

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**Return to:**

[Top of Figure F1.5](#)

[DISAC 270-A85-1 Enclosure 2](#)

[DISAC 270-A85-1 Basic](#)

[DISAC 270-A85-1 Enclosure 1](#)

[DISA Publications Listing](#)

[DISA Home Page](#)

---

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---

FIGURE F1.6 SUPPLEMENTAL SER

FM  
TO  
BT  
(CLASSIFICATION)  
**SUBJ: SATCOM EQUIPMENT REPORT, JAC, AN/GSC-52A, SN 123, SER 009-03S**

1. TOF: 101030Z JAN 05
2. TOR: 170445Z JAN 05
3. TCL: N/A
4. TCR: N/A
5. FAILURE IDENTIFICATION
  - A. EQUIPMENT ID CODE: 09010502

**PART IDENTIFICATION**

- (1) NOUN: N/A
- (2) NSN: N/A
- (3) PN,RD: N/A
- (4) SN: N/A

- B. DESCRIPTION OF FAILURE
  - (1) DOWN CONVERTER FAILED ANNUAL PMCS, SWEEPS. THE 70 MHZ SWEEP WERE IN A 1.5DB WINDOW OVER THE 40 MHZ BANDWIDTH.
  - (2) 090105

6. REPAIR ACTION: COMPLETED 24-HOUR BURN-IN.
7. TIME TO REPAIR: 1 DAY, 8 HOURS, 00 MIN.
8. LOGISTICS ACTION:
  - A. N/A
  - B. N/A
  - C. N/A
  - D. N/A
  - E. N/A
9. N/A
10. AUTHORIZED SYSTEM SHUTDOWN/STARTUP
  - A. N/A
  - B. N/A
11. STATUS
  - A. O
  - B. EXIT HAZCON
12. REMARKS:  
RF MODULE FAILED WITHIN 24-HOURS OF COMPLETING BURN-IN.  
SUBMITTING QDR AND ORDERING REPLACEMENT PART.

THIS STATION IS IN HAZCON FOR  
SER# 007 - TRANSMITTER #1  
POC IS TSGT JONES DSN: 333-3033, COMMERCIAL #, EMAIL ADDRESS  
BT

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**Return to:**

[Top of Figure F1.6](#)

[DISAC 270-A85-1 Enclosure 2](#)

[DISAC 270-A85-1 Basic](#)

[DISAC 270-A85-1 Enclosure 1](#)

[DISA Publications Listing](#)

[DISA Home Page](#)

---

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---

FIGURE F1.7 AUTHORIZED SERVICE INTERRUPTION SER

FM  
TO  
BT  
(CLASSIFICATION)  
**SUBJ: SATCOM EQUIPMENT REPORT, ABC, AN/GSC-39B, SN 32, SER 006-01A**  
1. - 9. N/A  
10. AUTHORIZED SYSTEM SHUTDOWN/STARTUP  
A. 120600Z JAN 98  
B. 121400Z JAN 98  
C. PERFORM AND REPORT RESULTS OF UP-LINK ALIGNMENTS.  
THE ANTENNA WAS PROPERLY LUBRICATED AND EXERCISED.  
TRAINING ON ACQUIRING THE SATELLITE AND HAND CRANKING  
WAS PERFORMED. THE CONVERTER TRANSFER SWITCHES WERE  
TESTED AND EXERCISED. PILLOW BLOCKS ON OE-222  
ANTENNAS WERE INSPECTED. REFER TO THE FOLLOWING SERS  
CONCERNING THIS AUTHORIZED SERVICE INTERRUPTION: 010-  
03F, 021-05F, AND 023-02F.  
11. STATUS  
A. O  
B. NO HAZCON  
12. REMARKS: THIS STATION IS IN HAZCON FOR  
SER# XXX - TRACKING SYSTEM - AWAITING FET ASSY  
SER# XXX - LNA - AWAITING P.S.  
SER# XXX - TRANSMITTER #1  
POC IS TSGT JONES DSN: 333-3033, COMMERCIAL #, EMAIL ADDRESS  
BT

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**Return to:**

[Top of Figure F1.7](#)  
[DISAC 270-A85-1 Enclosure 2](#)  
[DISAC 270-A85-1 Basic](#)  
[DISAC 270-A85-1 Enclosure 1](#)  
[DISA Publications Listing](#)  
[DISA Home Page](#)

---

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FIGURE F1.8 QUARTERLY SER

FM  
TO  
BT  
(CLASSIFICATION)  
**SUBJ: SATCOM EQUIPMENT REPORT, ABC, AN/GSC-39B, SN 32, SER 000-01Q**  
1. - 11. N/A  
12. REMARKS:  
THE FOLLOWING ARE OUTSTANDING SER FROM CY00:  
SER# 022 - TRACKING SYSTEM - AWAITING FET ASSY (HAZCON)  
SER# 025 - LNA - AWAITING P.S.  
SER# 034 - ANTENNA DEICER IGNITER  
THE FOLLOWING ARE OUTSTANDING SER FROM CY01:  
SER# 002 - RECEIVE IF AMPLIFIER (HAZCON)  
SER# 010 - FAN TUBE AXIAL  
SER# 015 - HOIST ASSY, CONNECTOR  
POC IS TSGT JONES DSN: 333-3033, COMMERCIAL #, EMAIL ADDRESS  
BT

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**Return to:**

[Top of Figure F1.8](#)  
[DISAC 270-A85-1 Enclosure 2](#)  
[DISAC 270-A85-1 Basic](#)  
[DISAC 270-A85-1 Enclosure 1](#)  
[DISA Publications Listing](#)  
[DISA Home Page](#)

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---

FIGURE F1.9 CONFIGURATION CHANGE SER

FM  
TO  
BT  
(CLASSIFICATION)  
**SUBJ: SATCOM EQUIPMENT REPORT, ABC, AN/GSC-XX, SN 00,SER 044-01**  
1. - 8. N/A  
9. CONFIGURATION CHANGE  
GAINS: ENCODER/DECODER KY-883 S/N: 0013, 0014, 0044, AND 0133.  
LOSSES: ENCODER/DECODER KY-801B S/N: 0987, 0988, 0998 AND 1103.  
THE ABOVE EQUIPMENT INSTALLATION COMPLETED THE UPGRADE TO  
RACKS 10 AND 18.  
10. N/A  
11. STATUS  
    A. O  
    B. HAZCON  
12. REMARKS: THIS STATION IS IN HAZCON FOR SER SERIES 002(97)  
POC IS TSGT JONES DSN: 333-3033, COMMERCIAL #, EMAIL ADDRESS  
BT

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**Return to:**

[Top of Figure F1.9](#)  
[DISAC 270-A85-1 Enclosure 2](#)  
[DISAC 270-A85-1 Basic](#)  
[DISAC 270-A85-1 Enclosure 1](#)  
[DISA Publications Listing](#)  
[DISA Home Page](#)

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