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J-6

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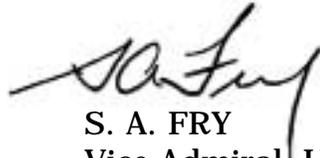
CJCSM 3150.07A

19 April 2001

JOINT REPORTING STRUCTURE COMMUNICATIONS STATUS

1. **Purpose.** This manual provides the Joint Staff, combatant commands, Services, and Defense agencies pertinent information concerning conditions that impose serious degradation of communications operations within the transport layer of the of the Global Information Grid (GIG).
2. **Cancellation.** CJCSM 3150.07, 1 October 1998, "Joint Reporting Structure Communications Status," is canceled.
3. **Applicability.** This manual applies to the Military Services, Joint Staff, combatant commands, and Defense agencies.
4. **Procedures.** The Military Services, Joint Staff, combatant commands, and Defense agencies depend on the information transport services of the GIG to provide timely and accurate information. Communications Status (COMSTAT) and Communications Spot (COMSPOT) reports provide pertinent summary information on the global communications events that will have an impact on major users' service requirements. See Enclosure A for general guidance on COMSTAT submission and Enclosure B for general guidance on COMSPOT submission.
5. **Summary.** The term "Defense Information Infrastructure (DII)" has been replaced with GIG. Reporting procedures have been updated to include use of the World Wide Web. The defense messaging system (DMS) is the primary method to transmit record communications.
6. **Effective Date.** This manual is effective upon receipt.
7. **Releasability.** This manual is approved for public release; distribution is unlimited. DOD components (to include the combatant commands), other federal agencies, and the public may obtain copies of this manual through the

Internet from the CJCS Directives home page--<http://www.dtic.mil/doctrine>.
Joint Staff agencies may access or obtain copies of this instruction from the
Joint Staff classified LAN.



S. A. FRY
Vice Admiral, U.S. Navy
Director, Joint Staff

Enclosures:

- A -- Communications Status (COMSTAT) Report
Appendix -- Sample COMSTAT Report
- B -- Communications Spot (COMSPOT) Report
Appendix -- Sample COMSPOT Report

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ENCLOSURE A

COMMUNICATIONS STATUS (COMSTAT) REPORT

1. Purpose. To provide the Joint Staff, Military Services, combatant commands, and other addressees pertinent summary information on the global communications events that have occurred during the reporting period within the transport layer of the GIG.
2. Submitted By. The Defense Information Systems Agency (DISA) Global Network Operations and Security Center (GNOSC) will post the COMSTAT on the GNOSC SIPRNET web page.
3. Submitted To. The report will be submitted to the Joint Staff, Military Services, combatant command Theatre C4ISR Control Centers (TCCC), combatant commands, and other addressees who have identified a requirement for the report.
4. When Submitted. The period covered in each report is one day, 0800-0759Z. The COMSTAT will be submitted daily for the preceding 24-hour period. The report is due to be received by action addressees not later than 1200Z each day. During exercises, crises or war, reports will be submitted as directed by the Joint Staff.
5. How Submitted
 - a. Classification. The COMSTAT report will be classified according to content.
 - b. Method of Transmission. The report will be posted on the DISA SIPRNET web page. If the GNOSC web server is nonoperational, the report will be sent via the DMS using the appropriate US Message Text Format template.
6. Reports Requirements. Reports required by this manual are exempt from normal reporting procedures in accordance with DOD Manual 8910.01M.
7. Specific Reporting Instructions. COMSTAT is a narrative report, as defined in paragraph 8.
8. Report Content
 - a. Part I, Executive Summary. This part is limited to significant events of interest to top-level management that had a major impact on the overall GIG.

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b. Part II, Detailed Network Information. This part will cover the last 24 hours of communications outages affecting command and control networks, switched networks, Defense Satellite Communications System (DSCS), and items of special interest. Part II will be phrased in nontechnical language and will include the following reportable items:

(1) Command and Control Networks

(a) Chairman of the Joint Chiefs of Staff Alerting Network (CJCSAN). Complete isolation of any CJCSAN subscriber for 10 minutes or longer.

(b) Defense Information System Network (DISN) Video Services-Global (DVS-G). Any outage impacting a general/flag officer-level Video Teleconferencing Session.

(c) Complete isolation of any combatant command headquarters for more than 15 minutes.

(2) Switched Networks

(a) Defense Switched Network (DSN). A switch failure or isolation of 15 minutes or longer. A complete private branch exchange/electronic private exchange (PBX/EPX) failure or isolation of four or more hours. Gateway switch degradations that affect interarea calling capabilities to the extent of requiring code cancellation.

(b) DISN. For NIPRNET, failure or isolation of a Joint Interface System (JIS) router for 15 minutes or longer, a core or hub router for 1 hour or longer. Latency of over 300 ms or packet loss over 3 percent is an indication of possible problems and will be reported for analysis. For SIPRNET: failure or isolation of a hub router for 1 hour or longer. For a DISN network management multiplexer, a failure or isolation of 1 hour or longer.

(c) DMS/AUTODIN. The failure or isolation of any DMS Transition Hub (DTH) or AUTODIN Switching Center (ASC) for 15 minutes or longer.

(d) Defense Red Switch Network (DRSN). The failure or isolation of any Red switch for 15 minutes or longer and any flag/general officer call failures.

(3) DSCS. Any failure of a DSCS earth terminal, link, or major trunk of 15 minutes or longer. Any failure of a DSCS satellite which interrupts service, regardless of duration. Standard tactical entry point (STEP) status will be reported during contingencies and high visibility exercises.

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(4) Enhanced Pentagon Capability (EPC). Loss of two or more satellite or fiber-optic links that result in isolation of one or more EPC conference locations.

(5) Defense Enterprise Computing Centers (DECC). Any major operational impact to the DECC.

(6) Items of Special Interest

(a) Natural Disaster. Calamitous events, such as earthquakes, volcanic eruptions, etc., that damage GIG facilities.

(b) GIG Facility Isolations. A facility, which does not fall under another category, isolated from the GIG for 15 minutes or longer. A communications isolation exists when a facility does not have at least one circuit (excluding orderwires) operational for connection to the GIG.

(c) Traffic Restrictions. Any change in MINIMIZE or suspended telecommunications (SUSTEL) conditions. SUSTEL is imposed by the Department of State when an Embassy or Consulate is temporarily closed.

(d) Weather. Weather reports on hurricanes and typhoons that threaten GIG facilities. The report should include position, speed, forecast track, and facility threatened.

(e) Commercial. Failure of a commercially leased facility lasting 15 minutes or longer. Any commercial transmission media failure of 1 hour or longer for data rates above 6.3 Mbps or 2 hours or longer for data rates above 1.5 Mbps, which significantly affect GIG service.

(f) Exercise, Operations, or War. Any major exercise, operation, or war that is supported by GIG facilities.

c. Part III, Facilities/Links/Trunks That Have Failed and Remain Down. This part will provide detailed information on communications disruptions that significantly degrade the GIG and have not been restored during the reporting period. This paragraph will include, at a minimum, the following information for each reportable item:

(1) Outage. Facility/Node/Link/Trunk Designator.

(2) Capacity. Bandwidth/Trunks/Subscribers.

(3) Location/Path. Unit or Unit(s) Affected.

- (4) Outage Start. ddhhmm Month Year.
- (5) Reason. Short, informative description.
- (6) Restoration. Troubleshooting activities.
- (7) Mitigation. Interim means to restore user functions (i.e., alt-route, temporary service).
- (8) Impact. Short narrative describing **how** user was affected by disruption.

d. Part IV, Facility/Link/Trunk Restorals During the Past 24 Hours. Part IV provides details of restoral from communications disruptions, which have significantly degraded the GIG. This part will include restorals of disruptions from the previous reporting period as well as failures and restorals completed during the current reporting period. Minimum information will include:

- (1) Outage. Facility/Node/Link/Trunk Designator.
- (2) Capacity. Bandwidth/Trunks/Subscribers.
- (3) Location/Path. Unit or Unit(s) Affected.
- (4) Outage Period. ddhhmm Month Year - ddhhmm Month Year.
- (5) Reason. Short, informative description.
- (6) Restoration. Troubleshooting activities.
- (7) Mitigation. Interim means to restore user functions (i.e., alt-route, temporary service)
- (8) Impact. Short narrative describing **how** user was affected by disruption.
- (9) Restoral Action What actually fixed the problem.

e. Part V, Traffic/Operational Network Statistics. Part V will provide traffic and operational network statistics that identify network trends. The content of and requirement to initiate Part V will be directed by the Joint Staff during periods of special emphasis (e.g., contingency or crisis situations).

9. Sample Report. See the Appendix to this Enclosure.

APPENDIX TO ENCLOSURE A

SAMPLE COMSTAT REPORT

(Classification)

PART I

(U) Date: 1 Sep 01 (?update)

(U) Executive Summary:

There were no significant events that had a major impact on the GIG.

PART II

(U) Detailed Communications Information:

1. (U) Command and Control Networks
 - A. (U) CJCSAN: No reportable outages
 - B. (U) DVS-G. No reportable outages
 - C. (U) Other. No reportable outages
2. (U) Switched Networks
 - A. (U) DSN: No reportable outages
 - B. (U) DISN: No reportable outages
 - C. (U) DMS/AUTODIN: No reportable outages
 - D. (U) DRSN: No reportable outages
3. (U) DSCS: No reportable outages
4. (U) EPC: No reportable outages
5. (U) DECC: No reportable outages
6. (U) Items of Special Interest:
 - A. (U) Natural Disaster: None
 - B. (U) GIG Facility Isolations: None
 - C. (U) Traffic Restrictions:
 - (1) (U) MINIMIZE: None
 - (2) (U) SUSTEL: None
 - D. (U) Weather: None
 - E. (U) Commercial: No reportable outages
 - F. (U) Exercises, Operations, or War: None

PART III

(U) Facilities/Links/Trunks that have failed and remain down:

1. (U) Outage: No reportable outages
2. (U) Capacity: n/a
3. (U) Location/Path: n/a
4. (U) Outage Start: n/a
5. (U) Reason: n/a
6. (U) Restoration: n/a
7. (U) Mitigation: n/a
8. (U) Impact: n/a

PART IV

- (U) Facility/Link/Trunk restorals during the past 24 hours:
1. (U) Outage: R2375/PCM cable link
 2. (U) Capacity: 1.544 Mbps
 3. (U) Location/Path: TANGO/Yongsan, KS
 4. (U) Outage Period: 2 hours 45 minutes (010045-010330ZSEP98)
 5. (U) Reason: Cut cable
 6. (U) Restoration: Maintenance spliced cable
 7. (U) Impact: Minimal, after 4 minutes all high-priority circuits were restored via Restoral Plan N1772.
 8. (U) Restoral: DISA-NWP Restoral Plan N1772 was implemented between 010049 and 010330Z, restoring 15 circuits (2 priority one) (Declassification instructions)

PART V

- (U) Traffic/Operational Network Statistics. None to report.

ENCLOSURE B

COMMUNICATIONS SPOT REPORT (COMSPOT)

1. Purpose. To provide the Joint Staff, combatant commands, Services, and other designated addressees pertinent information concerning conditions that impose serious degradation of communications operations within the transport layer of the GIG.
2. Submitted By. DISA RNOSCs will submit the COMSPOT via the Trouble Management System (TMS). Each RNOSC will create an E-mail distribution group to disseminate the COMSPOT for their theater of operations.
3. Submitted To. The report will be submitted to the DISA GNOSC, Military Services Network Operations Centers, combatant command TCCCs, combatant commands, and other addressees who have identified a requirement for the report.
4. When Submitted. Reports will be required when a threatening or disruptive condition exists, a major change in situation has taken place, and when the disruption or threat has terminated. The responsible RNOSC will send a COMSPOT report within 30 minutes of being notified of a reportable situation. The follow conditions warrant submission of a COMSPOT report:
 - a. DMS/AUTODIN (Subject Code DIN). The failure or isolation of an ASC or DTH for 15 minutes or longer.
 - b. Commercial (Subject Code COML). Failure of a commercially leased facility or link of 15 minutes or longer that significantly affects GIG service.
 - c. Link or Trunk Outage (Subject Code MEDIA). The failure of a link (other than commercial or DSCS) or significant (critical, high data rate, etc.) trunk, lasting 15 minutes or longer.
 - d. Facility Outage or Isolation (Subject Code STA). Any facility outage or isolation (that does not fall under another subject code) for 15 minutes or longer. A communications isolation exists when a facility does not have at least one circuit (excluding orderwires) operational for connection to the GIG.
 - e. DISN (Subject Code DISN). For NIPRNET, failure or isolation of a JIS router for 15 minutes or longer and a core or hub router for one hour or longer. For SIPRNET, failure or isolation of a hub router for 1 hour or longer. For a DISN network management multiplexer, a failure or isolation of 1 hour or longer.

f. Defense Satellite Communications System (DSCS) (Subject Code DSCS). A failure of DSCS earth terminal or link (including single-trunk links) of 15 minutes duration or longer. A failure of a DSCS satellite which interrupts service, regardless of duration.

g. DSN (Subject Code DSN). A switch failure or isolation of 15 minutes or longer. A complete failure or isolation of a PBX/EPX. Gateway switch degradations that affect interarea calling capabilities to the extent of requiring code cancellation.

h. EPC (Subject Code EPC). Loss of two or more satellite or fiber optic links which results in isolation of one or more EPC conference locations.

i. Other (Subject Code MISC). Any event that threatens or disrupts communications that does not meet any other subject code criteria, such as a strike, riot, bomb threat, fire, etc.

j. DRSN (Subject Code DRSN). Failure or isolation of any Red switch for 15 minutes or longer.

k. Severe Weather (Subject Code WEA). Weather conditions such as hurricanes or typhoons, which threaten to disrupt, or have disrupted, communications. Include position, speed, forecast track, and determination of threat to facilities, when applicable.

5. How Submitted

a. Classification. This report will be classified according to content.

b. Method of Transmission. The report will be sent via the designated reporting system within 30 minutes of being notified of a reportable situation. If the primary reporting system is nonoperational, the report will be sent via any means available (voice, fax, or DMS using the appropriate US Message Text Format template.)

6. Reports Requirements. Reports required by this manual are exempt from normal reporting procedures in accordance with DOD Manual 8910.01M.

7. Sample Report. See Appendix to this Enclosure.

APPENDIX TO ENCLOSURE B

SAMPLE COMSPOT REPORT

1. (U) Minimum information required for initial COMSPOTs:
 - a. (U) Element/Node ID
 - b. (U) Affected Locations and Customers (if available)
 - c. (U) Time out, Isolation (yes/no), and Estimated Time Return (ETR) (if known) to operation
 - d. (U) Reason for Outage, Action Type, Action Description
 - e. (U) Status, Assigned Group, Priority, and Restoral Plans (if implemented)

2. (U) Minimum information required for final COMSPOTs:
 - a. (U) Element/Node ID
 - b. (U) Affected Locations/Impacted Communities/Customers
 - c. (U) Time Out/Time In, Isolation (yes/no), and ETR (if known) to operation
 - d. (U) Reason for Outage, Action Type, Action Description
 - e. (U) Assigned Group, Priority, and Restoral Plans (if implemented)

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GLOSSARY

ASC	AUTODIN Switching Center
AUTODIN	Automatic Digital Network
C4ISR	command, control, communications, computers, surveillance and reconnaissance
CJCSAN	Chairman of the Joint Chiefs of Staff Alerting Network
COMSPOT	Communications Spot Report
COMSTAT	Communications Status
DECC	Defense Enterprise Computing Center
DII	Defense Information Infrastructure
DISA	Defense Information System Agency
DISN	Defense Information System Network
DMS	Defense Message System
DRSN	Defense Red Switch Network
DSCS	Defense Satellite Communications System
DSN	Defense Switched Network
DTH	DMS transition hub
DVS-G	DISN Video Services-Global
EPC	Enhanced Pentagon Capability
EPX	electronic private exchange
ETR	estimated time return
GIG	Global Information Grid
GNOSC	Global Network Operations and Security Center
JIS	Joint Interface System
LAN	Local Area Network
NIPRNET	Sensitive But Unclassified Internet Protocol Router Network
PBX	private branch exchange
RNOSC	Regional Network Operations and Security Center
SIPRNET	Secret Internet Protocol Router Network
STEP	standard tactical entry point
SUSTEL	Suspended Telecommunications
TCCC	Theater C4ISR Control Centers

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