

NATIONAL COMMUNICATIONS SYSTEM
Washington, D.C. 20305-2010

NCS DIRECTIVE 4-2

TECHNOLOGY AND STANDARDS

Focal Point for Electromagnetic Pulse (EMP) Information

1. Purpose. This directive establishes policy and assigns EMP information responsibilities in implementing the provisions of 47CFR215 and Executive Order 12472 related to EMP information.
2. Applicability. This directive is binding upon the Executive Agent, NCS; Manager, NCS; NCS Committee of Principals and member organizations; and other affected Federal Executive entities.
3. Authority. 47 CFR 215, "Federal Government Focal Point for Electromagnetic Pulse (EMP) Information" and Executive Order 12472, "Assignment of National Security and Emergency Preparedness Telecommunications Functions."
4. Supersession. This Directive supersedes NCS Memorandum 1-73, "Federal Government Focal Point for Electromagnetic Pulse (EMP) Information," dated November 16, 1973.
5. Definitions. Telecommunication - Any transmission, emission, reception of signs, signals, writings, images and sounds or information of any nature by wire, radio, visual or other electromagnetic systems. Telemetry related to research, development, testing and the control, monitoring, operation, and maintenance of power transmission systems are excluded from this definition.
6. General. Extensive nuclear effects research conducted over a long time developed an increased awareness of the detrimental effects of EMP from high altitude nuclear bursts on the capabilities of both military and civil telecommunication systems.
7. Policy. The NCS will support development of appropriate protection from EMP effects on telecommunication facilities.
8. Responsibilities.
 - a. The Executive Agent, NCS, shall:
 - (1) Serve as the focal point within the Federal Government for EMP technical data and studies concerning telecommunications.

-Office of Primary Responsibility: NT
-Distribution: NCS

- (2) Designate where EMP related information will be maintained.
- (3) Coordinate all telecommunication EMP tests and studies.
- (4) Inform the National Security Council, and the NCS Committee of Principals of applicable EMP tests, studies, and mitigation measures being conducted and planned.

b. The Manager, NCS shall:

- (1) Disseminate information concerning the results of telecommunication EMP tests, studies, and proposed or planned mitigation measures to those elements of government having a need for such information.

- (2) Recommend to the Executive Agent, NCS, and to the Committee of Principals, additional studies and tests required to determine the overall effects of high altitude bursts on telecommunications and support the development of protective measures against EMP effects.

- (3) Maintain working relationship with the Director, Defense Nuclear Agency, and those agencies actively involved in conducting EMP tests and studies.

- (4) Assist those elements of government involved in EMP tests and studies in developing mutual support arrangements.

c. Federal Departments and Agencies who conduct EMP tests and studies shall:

- (1) Develop intra-departmental procedures for ensuring that all technical information derived from EMP tests and studies concerning telecommunications is delivered to the point designated by the Executive Agent, NCS.

- (2) Coordinate with the Executive Agent, NCS for all EMP test and studies concerning telecommunication facilities and systems to ensure maximum use of available information and technical expertise to minimize duplication.

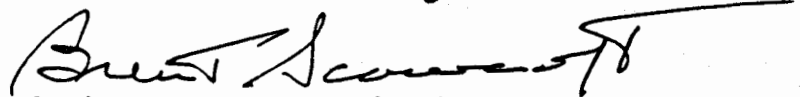
- (3) Prepare an annual report to the Executive Agent, NCS, showing the status of federally funded EMP telecommunication test and study programs in their organizations.

9. Authorizing Provisions. NCS publications implementing this directive are hereby authorized.
10. Effective Date. This directive is effective immediately.
11. Expiration. This directive is in effect until superceded or cancelled.



Director
Office of Science and Technology Policy
Date:

January 31, 1992.



Assistant to the President
for National Security Affairs
Date:

Summary of Changes: Initial Issuance.