

CHAPTER 20

SUMMARY OF SPECIALIZED CAPABILITIES

20-1 GENERAL

Numerous units and organizations with specialized capabilities are discussed throughout this document. This chapter summarizes these units and organizations and the capability or service they offer.

20-2 PURPOSE AND SCOPE

This chapter provides a ready reference to units and organizations that maintain specialized capabilities. Each unit or organization is organized by title, specialized capability, or service.

20-3 UTILIZATION

A summary of the capabilities of organizations and specialized units is provided. Table 20-1 lists functions and services provided by organizations or specialized units. Appendix 20-A provides telephone numbers for requesting services, or additional information on organizational or specialized unit capabilities discussed in this document.

20-4 DEPARTMENT OF DEFENSE (DoD)

a. Joint Chiefs of Staff (JCS) Controlled Assets.

(1) Joint Communications Contingency Station Assets (JCCSA). JCCSA is a communications asset consisting of heavy mobile/transportable equipment deployable by C-141/ C-5 aircraft.

(2) Joint Communications Support Element (JCSE). The JCSE is a contingency support unit consisting of Army, Air Force, and Marine Corps personnel and a variety of communications equipment. A part of this equipment, the AN/ URC Joint Airborne Communications Center/ Command Post (JACC/ CP), consists of several pieces of equipment mounted in air transportable vans.

(3) Defense Nuclear Agency's (DNA)s Nuclear Weapon Accident Advisory Team. The DNA Advisory Team was established and trained to assist an On-Scene

Commander (OSC) and his staff in the management of recovery operations following a nuclear weapon accident. A part of the DNA capability is the Armed Forces Radiobiology Research Institute's Medical Radiobiology Advisory Team (MRAT). This team can assist medical personnel and commanders by providing state-of-the-art medical radiobiology advice by telephone or at the accident scene.

(4) Other Joint Chiefs of Staff (JCS) Controlled Communication Assets. Super High Frequency satellite terminals, Ground Mobile Force terminals, and other communications assets can also be deployed on request.

b. United States Air Force.

(1) U.S. Air Force Air Transportable RADIAC Package (ATRAP). ATRAP is a collection of RADIAC equipment, spare parts, and trained instrument repair technicians.

(2) HARVEST EAGLE Kits. HARVEST EAGLE kits consist of air transportable operations support sets with tents, field kitchens, collapsible cots, and other housekeeping items.

(3) Occupational and Environmental Health Laboratory (OEHL). This organization has a deployable team of health physicists, health physics technicians and equipment, collectively called the Air Force Radiation Assessment Team (AFRAT). AFRAT provides assistance in radiological health matters.

(4) HAMMER ACE. HAMMER ACE consists of a rapid deployment team of engineers and technicians equipped with advanced technology communications equipment. See Chapter 12 for further discussion.

c. United States Army.

(1) Radiological Advisory Medical Team (RAMT). This team is trained specially in radiological problems and can assist and furnish guidance to the OSC, other officials, and local medical authorities.

(2) Radiological Control (RADCON) Team. This team is organized to provide technical assistance and advice to the OSC in all kinds of radiological emergencies.

TABLE 20-1. Organization/Team Capabilities/Service Matrix

Listed down the left side of this matrix are paragraph references in Chapter 20. Across the top are capabilities and services that may be needed to respond to a nuclear weapons accident. An X at the intersection of a line and column indicates that the capability or service may be provided by the referred to organization or team.

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	AERIAL PHOTOGRAPHY	CIVIL EMERGENCY COMMUNICATIONS	CONTAMINATED FOOD	CONTAMINATION LAUNDRY	DECONTAMINATION CONTROL	GSA REPRESENTATION	HEALTH PHYSICS	HOUSEKEEPING/DISPOSAL	LABORATORY	LOGISTICS	MANAGEMENT ASSISTANCE	MEDICAL CARE, EMERGENCY	POLICIES, FEDERAL	PROPHYLACTIC DRUGS	RADIATION INSTRUMENTS	RADIOGRAPHIC EXPOSURE	RADIOLOGICAL HEALTH	RADIOLOGICAL MONITORING	RECOVERY OF PROTECTION	RESPONSE OF CLASSIFIED	TRANSPORTATION, FED	WEAPONS RECOVERY
DEPARTMENT OF DEFENSE																						
JOINT CHIEFS OF STAFF																						
20-4a(1)	X																					
(2)	X																					
(3)										X												
(4)	X																					
U.S. AIR FORCE																						
20-4b(1)													X									
(2)							X	X					X	X	X	X						
(3)					X	X							X	X	X	X						
(4)	X																					
U.S. ARMY																						
20-4c(1)										X					X							
(2)			X	X	X	X							X		X	X						
NAVY																						
			X	X	X								X	X	X	X						
DEPARTMENT OF ENERGY																						
ACCIDENT RESPONSE MGT TEAMS																						
20-5a(1) & (2)	X				X						X				X						X	
OTHER ACCIDENT RESPONSE RESOURCES																						
20-5b(1)	X																				X	
(2)			X																			
(3)																					X	
(4)					X																X	
(5)														X								
(6)													X									
FEDERAL EMERGENCY MGT AGENCY																						
20-6	X	X			X		X		X	X											X	
OTHER FEDERAL AGENCIES																						
20-7a		X																				
b		X									X			X								
c																					X	
d							X															
e																	X					

d. United States Navy. The RADCON Team can provide expert health physics (radiation control and safety) assistance to the OSC at a radiological accident.

20-5 DEPARTMENT OF ENERGY (DoE)

a. Department of Energy Accident Response Teams.

(1) Accident Response Group (ARG). The ARG is the primary DoE response element for a nuclear weapon accident and will be composed of the DoE Team Leader, a senior scientific advisor (assigned by the design laboratory), design specialists, high explosive specialists, health physicists, packaging, and other technical specialists as needed.

(2) Nuclear Emergency Search Team (NEST). This team is the primary DoE response element for threat incidents involving improvised nuclear devices and lost or stolen nuclear weapons. NEST assets may be included as part of the DoE ARG.

b. Other DoE Accident Response Resources. Requests for these services should be coordinated with the DoE ARG Team Leader.

(1) Aerial Measurement System (AMS). A system that can provide aerial radiological surveys and aerial photography.

(2) Contaminated Laundering Facilities. DoE operated facilities are capable of laundering plutonium contaminated clothing.

(3) Atmospheric Release Advisory Capability (ARAC). This unit can provide computer generated estimates of the distribution of radioactive contaminants released to the atmosphere.

(4) Mobile Accident Response Mobile Laboratory (HOT SPOT). Two air transportable trucks and trailers with equipment to analyze, identify, and document radioactive contamination.

(5) Radiographic Response Capability. Two units capable of taking and developing radiographs of weapons using cobalt or x-ray sources.

(6) The Radiation Emergency Assistance Center Training Site (REAC/TS). A DoE facility specializing in treatment of all types of radiation exposure and capable of providing advice and assistance.

(7) RANGER. A ground based system used for environmental monitoring sample tracking, and archive purposes.

(8) Mobile Decontamination Station. Equipment to perform field personnel decontamination.

(9) RASCAL. An air sampling system contained within a cargo van.

20-6 FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA)

FEMA is responsible for coordinating the overall Federal response in support of State and local authorities. FEMA will dispatch a Senior FEMA Official (SFO) (or designate a FEMA Region Official to act as the Deputy SFO) and an emergency response team (ERT) to complete interface requirements.

20-7 OTHER FEDERAL AGENCIES

a. Department of Agriculture (USDA). The USDA has the responsibility and the ability to determine the safety of meat and poultry products for human consumption.

b. Department of Health and Human Services (DHHS). The DHHS has the capability to analyze food and environmental samples for radioactivity content and provide radiological advice.

c. Department of Transportation (DoT). The DoT can arrange special transportation activities and assistance in contacting consignors and consignees of shipments.

d. Environmental Protection Agency (EPA). EPA has monitoring teams to measure and evaluate contamination and to advise of actions to be taken for the protection of the public health and safety.

e. Federal Bureau of Investigation (FBI). The FBI is responsible for recovery of off-site classified nuclear weapon material. The FBI is the lead federal agency for improvised nuclear devices, incidence, and terrorist nuclear-related activities in the U.S, territories, and possessions.

APPENDIX 20-A

POINTS OF CONTACT

20-A-1 MILITARY COMMAND CENTERS:

National Military Command Center (NMCC)	AUTOVON 227-6340 Commercial 703-697-6340
U.S. Air Force Operations Center	AUTOVON 225-7220 Commercial 703-695-7220
U.S. Army Operations Center	AUTOVON 227-0218 Commercial 703-697-0218
U.S. Navy Operations Center	AUTOVON 225-0231 Commercial 703-695-0231
U.S. Marine Corps Operations Center	AUTOVON 225-7366 Commercial 703-695-7366

20-A-2 COORDINATION CENTERS:

Office of the Secretary of Defense Crisis Coordination Center	AUTOVON 364-9320/22 Commercial 202-769-9320/ 22
Office of the Assistant Secretary of Defense (Public Affairs)	Commercial 703-697-5131
Joint Nuclear Accident Coordinating Center Department of Defense*	AUTOVON 221-2102/2103/2104 Commercial 703-325-2102/ 2103/ 2104
Department of Energy	AUTOVON 245-4667 Commercial 505-845-4667 FTS 844-4667
FEMA Emergency Information & Coordination Center	Commercial 202-646-2400 FTS 646-2400
FEMA National Emergency Coordination Center	AUTOVON 380-6100 Commercial 202-898-6100

20-A-3 INFORMATION ON DoD SPECIALIZED CAPABILITIES:

JCS Contingency and Crisis Management Division (JCS-Controlled contingency communications)	AUTOVON 227-0007
Joint Communication Support Element (JCSE)	AUTOVON 968-4141 968-385 1/ 3852
JCS-Controlled Tactical Communications Assets	AUTOVON 879-6591 /6925
U.S. Army Radiological Control (RADCON) Team (0800-1630) (1 630-0800)	AUTOVON 298-4500 Commercial 301-678-4500
U.S. Army Radiological Advisory Medical Team (RAMT)	AUTOVON 291-5107 Commercial 301-427-5107

*DoD organizations should normally use DoD numbers even though requested services or information may relate to DoE.

AFRRI Medical Radiobiological Advisory Team (MRAT)	Commercial 202-295-3909
U.S. Navy Radiological Control (RADCON) Team	AUTOVON 332-7527 Commercial 703-602-7527
U.S. Air Force Transportable RADIAC Package (ATRAP) Information Emergency Request	AUTOVON 945-6906 AUTOVON 945-6906
SA-ALC/ MAW Emergency Operations Center	AUTOVON 945-3046
U.S. Air Force Occupational and Environmental Health Laboratory (OEHL)	AUTOVON 240-2001
Headquarters Air Force Communications Command (HAMMER ACE) Emergency Operations Requests Information	AUTOVON 576-2591 Commercial 618-256-2591 AUTOVON 576-3431 Commercial 618-256-3431
Headquarters Tactical Air Command/ LGX (HARVEST EAGLE)	AUTOVON 432-5435/5436

20-A-4 OTHER AGENCIES:

Radiation Emergency Assistance Center Training Site (REAC/TS) Oak Ridge Associated Universities REAC/TS P.O. Box 117 Oak Ridge, Tennessee, 37830	Commercial 615-482-3131 (24 Hours) Commercial 615-481-1000 Pager 241
Department of Health and Human Services** Food and Drug Administration Center for Devices and Radiological Health 5600 Fishers Lane Rockville, Maryland 20857	(Duty Hours) 301-443-1241 (24 Hours) 202-857-8400
Environmental Protection Agency (EPA)** EPA Headquarters Office of Radiation Programs Waterside East Tower 401 M Street S. W. Washington, DC 20460	Commercial 703-557-2380 (24 Hours) 202-475-8383

● "Accident response services should be requested through the FEMA EICC. Points of contact are provided for coordination and requests for information