

**An Analysis of Chemical Stockpile Emergency
Preparedness Program Exercise Results**

Volume 1: The CSEPP Exercise Results Database

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An Analysis of Chemical Stockpile Emergency Preparedness Program Exercise Results

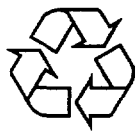
Volume 1: The CSEPP Exercise Results Database

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AN ANALYSIS OF CHEMICAL STOCKPILE EMERGENCY PREPAREDNESS PROGRAM EXERCISE RESULTS

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ABSTRACT

The primary focus of the Chemical Stockpile Emergency Preparedness Program (CSEPP) is to enhance the response capabilities of the eight U.S. Army installations that store chemical weapons agent and of the communities immediately surrounding each Army storage installation. Exercises are a major component of the program and are conducted annually at each of the eight installations. Following each exercise, a report summarizing the results of the exercise is produced. To gain a better perspective on the site-specific and program-wide results of these exercises, the Project Manager for Chemical Stockpile Emergency Preparedness requested that Argonne National Laboratory develop a database containing the results of exercises held through June 1996. This document provides a summary of the process used to develop the CSEPP Exercise Results Database. The database provides CSEPP managers in the Department of the Army and the Federal Emergency Management Agency a method for tracking and analyzing exercise results. The report discusses the collection and coding of exercise data and provides tables to guide coding of future exercise results. An electronic copy of the database (CD-ROM) accompanies the report. This report focuses only on methods used to collect exercise data and develop the database; Volume 2 discusses the analysis of the data collected.

1 INTRODUCTION

1.1 PURPOSE

This volume provides a summary of the process used to develop the Chemical Stockpile Emergency Preparedness Program (CSEPP) Exercise Results Database. The report describes the

collection of exercise data, discusses the data coding methodology, provides data coding guidance tables, furnishes a description of the database, and supplies instructions for using the database. An electronic copy of the database (CD-ROM) accompanies this report.

The database provides CSEPP managers in the Department of the Army (DA) and the Federal Emergency Management Agency (FEMA) a method for tracking and analyzing exercise results. This volume of the report focuses only on the development of the database; Volume 2 provides an analysis of the collected data.

1.2 BACKGROUND

The Department of Defense Authorization Act of 1986 (Public Law No. 99-145) directs the U.S. Department of Defense (DoD) to carry out the destruction of the nation's stockpile of lethal unitary chemical agents and munitions in a manner that provides for "maximum protection for the environment, the general public, and the personnel who are involved in the destruction of the lethal chemical agents and munitions...." DA has been designated as the DoD executive agent for the demilitarization effort. In partnership with FEMA, DA established the CSEPP to achieve, in part, the "maximum protection" mandate.

The primary focus of CSEPP activities is to enhance the response capabilities of Army installations where unitary chemical agents are stored and of the governments of the adjoining local jurisdictions where residents are identified as being at risk. The Army has primary responsibility for emergency response operations on the Army installations, which may be the source of an accident. The neighboring local jurisdictions have primary responsibility for off-post response.

CSEPP exercises are part of the national program. The CSEPP exercises are jointly conducted by DA and FEMA to evaluate emergency response plans and the ability of chemical agent stockpile installations and their surrounding communities to respond to chemical events. Representatives from DA, FEMA, other federal agencies, state and local governments, and civilian volunteer organizations participate in these exercises. A CSEPP exercise is conducted at each of the eight stockpile communities on an annual basis. The exercises are evaluated against criteria found in exercise program guidance documents [*CSEPP Exercise Program, Volumes 1-3, February 1992* (CSEPP Exercises 92) or *CSEPP Exercises, February 1994* (CSEPP Exercises 94)].

A report for each exercise, indicating the participants' strengths and weaknesses when responding to a simulated chemical weapons emergency, is prepared by a joint DA/FEMA exercise team. Findings are placed in the report according to the jurisdiction where the issue was identified. An exercise report's Tab A contains installation findings, its Tab B discusses findings related to on- and off-post response integration, and its Tab C consists of off-post jurisdiction findings. Copies are

provided to all participating jurisdictions and organizations. All data used in this study come from these exercise reports.

The Project Manager for Chemical Stockpile Emergency Preparedness (PM CSEP) (now the Chemical and Biological Defense Command [CBDCOM] CSEP Office) requested that Argonne National Laboratory develop a database containing the results of exercises held from February 1992 through June 1996. Exercises conducted through July 1997 were subsequently included. Argonne followed the database development with a trends analysis of the exercise results, assessing the significance of identified trends to the CSEPP exercise program. That analysis is presented in Volume 2 of this report.

2 METHODS

2.1 DATA COLLECTION

Copies of exercise reports for CSEPP exercises conducted under *CSEPP Exercises 92* and *CSEPP Exercises 94* through July 1997 were obtained from PM CSEP and the CBD COM CSEP Office. These reports are identified in Table 1. Each report was reviewed to ensure completeness (e.g., no missing pages) and to determine if the terminology (e.g., issue type) used differed from that in published guidance.

2.2 CODING OF EXERCISE RESULTS

The coding of exercise results provides a character substitute for written data extracted from the exercise reports. Such coding allows for quantification and subsequent statistical analysis of the raw data. Exercises conducted in 1992, 1993, and at Blue Grass Chemical Activity and Deseret Chemical Depot in 1994 were evaluated with respect to objectives found in *CSEPP Exercises 92*. All remaining 1994 exercises and all subsequent exercises were evaluated with respect to the

TABLE 1 CSEPP Exercise Reports

Storage Location	1992		1993		1994		1995		1996	1997
	DCX ^a	FSX ^a	DCX	FSX	DCX	FSX	DCX	CEX ^a	CEX	CEX
Anniston Chemical Activity			X	X		X		X		X
Blue Grass Chemical Activity	X	X	X			X		X ^b	X	
Deseret Chemical Depot	X			X		X	X		X	
Edgewood Chemical Activity			X			X	X		X	X
Newport Chemical Depot	X		X			X	X		X	X
Pine Bluff Chemical Activity			X			X	X		X	X
Pueblo Chemical Depot	X	X	X			X			X	X
Umatilla Chemical Depot			X			X	X		X	X

^a DCX = Direction and Control Exercise; FSX = Full-Scale Exercise; CEX = CSEPP Exercise.

^b Conducted in January 1996.

objectives found in *CSEPP Exercises 94*. The coding allows for comparison of results from exercises conducted on the basis of the different objectives found in the two versions of programmatic exercise guidance.

2.2.1 Coding Protocol

The coding protocol allows data coders to break down written data into character representations. To allow tracking of each finding, the code assigns the finding a unique identifier, ties the finding to a specific exercise, indicates its general location in the exercise report, and identifies the objective to which the finding applies. Additionally, the code permits quantification and comparison of findings associated with similar objectives found in the different versions of exercise guidance. The exercise reports from several years have been coded, so the coded data can be used for the purpose of analyzing trends. To ensure effectiveness for both statistical analysis and exercise management, the coding protocol development team consisted of an Argonne statistician and Argonne staff familiar with CSEPP exercise guidance. Sample coding strings are provided below. An explanation of the code string elements follows the examples. To allow for their use by future coders, tables providing the actual coding elements are provided in Appendix A (Tables A-1 to A-6).

2.2.1.1 Sample Code Strings

CSEPP Exercises 92 Exercise Objectives

<u>RID</u>	<u>Site</u>	<u>State</u>	<u>Exercise Type</u>	<u>Year</u>	<u>Report Tab</u>	<u>Issue Type</u>	<u>Objective Number</u>	<u>Criteria Number</u>	<u>Functional Component</u>	<u>Toggle</u>	<u>Associated Objective(s)</u>	<u>Reclass</u>	<u>Loc</u>
2328	BCA	KY	DCX	93	A	ANC	13	1	B	1	13.1,13.2		

CSEPP Exercises 94 Exercise Objectives

<u>RID</u>	<u>Site</u>	<u>State</u>	<u>Exercise Type</u>	<u>Year</u>	<u>Report Tab</u>	<u>Issue Type</u>	<u>Objective Number</u>	<u>Criteria Number</u>	<u>Functional Component</u>	<u>Toggle</u>	<u>Associated Objective(s)</u>	<u>Reclass</u>	<u>Loc</u>
1962	PBA	AR	CEX	96	B	OBS	5.1	1	C	1	7A,7B,7C	X	

2.2.1.2 Explanation of Code String Elements

RID The record identification number. Each exercise report finding is assigned a unique RID. In some cases, a finding may apply to more than one objective, to multiple criteria within an objective, or to multiple functional components of an objective's

criteria. A code string is developed for each objective, criterion, or functional component related to that finding; however, the RID for each of those code strings remains the same. For example, if the finding above with RID 1962 was also applied to Objective 6.1, a second code string would be generated, with RID 1962 used to relate it to the finding:

<u>RID</u>	<u>Site</u>	<u>State</u>	<u>Exercise Type</u>	<u>Year</u>	<u>Report Tab</u>	<u>Issue Type</u>	<u>Objective Number</u>	<u>Criteria Number</u>	<u>Functional Component</u>	<u>Toggle</u>	<u>Associated Objective(s)</u>	<u>Reclass</u>	<u>Loc</u>
1962	PBA	AR	CEX	96	B	OBS	5.1	1	C	.5	7A,7B,7C	X	
1962	PBA	AR	CEX	96	B	OBS	6.1	1	A	.5	4		

SITE A three-letter code identifying the chemical weapons storage location for which the exercise was conducted.

<u>Anniston Chemical Activity</u>	<u>Blue Grass Chemical Activity</u>	<u>Deseret Chemical Depot</u>	<u>Edgewood Chemical Activity</u>	<u>Newport Chemical Depot</u>	<u>Pine Bluff Chemical Activity</u>	<u>Pueblo Chemical Depot</u>	<u>Umatilla Chemical Depot</u>
ACA	BCA	DCD	ECA	NCA	PBA	PCD	UCD

STATE The two-letter postal code for the state participating in the exercise. This code is important when identifying a finding for a location that has two states participating in an exercise. For example, Newport (NCA) would have findings coded to both Indiana (IN) and Illinois (IL).

<u>Alabama</u>	<u>Arkansas</u>	<u>Colorado</u>	<u>Illinois</u>	<u>Indiana</u>	<u>Kentucky</u>	<u>Maryland</u>	<u>Oregon</u>	<u>Utah</u>	<u>Washington</u>
AL	AR	CO	IL	IN	KY	MD	OR	UT	WA

EXERCISE TYPE A three-letter code identifying one of the three federally evaluated exercise types used in the CSEPP exercise program.

<u>Direction and Control Exercise</u>	<u>Full-Scale Exercise</u>	<u>CSEPP Exercise</u>
DCX	FSX	CEX

YEAR The last two digits of the year in which the exercise was conducted.

REPORT TAB The letter of the section (tab) within the exercise report that contains the finding.

ISSUE TYPE A three- or four-letter code representing the issue type assigned to the finding in the exercise report.

<u>Area Needing Correction</u>	<u>Area Needing Improvement</u>	<u>Area Needing Remedial Action</u>	<u>Finding</u>	<u>Issue</u>	<u>Observation</u>	<u>Strength</u>
ANC	ANI	ANRA	FND	ISS	OBS	STR

OBJECTIVE NUMBER The objective number assigned to the finding in the report, unless reclassified by the coding team.

CRITERION NUMBER The criterion number assigned to the finding, derived from the exercise guidance documents. To ensure data consistency, the number "1" is used for those objectives with only one criterion.

FUNCTIONAL COMPONENT The functional component letter assigned to the finding, derived from the exercise guidance documents. To ensure data consistency, the letter "A" is used for those objectives/criteria with only one functional component.

TOGGLE A number used to allow for the counting of exercise findings, associated with the RID. If a finding has more than one functional component associated with it, the toggle ensures that the finding is only counted once. If there is more than one objective associated with the finding, the toggle ensures that both objectives are counted. The total of all toggles used for a particular finding is equal to one. For example:

Multiple Functional Components - Same Objective

<u>RID</u>	<u>Site</u>	<u>State</u>	<u>Exercise Type</u>	<u>Year</u>	<u>Report Tab</u>	<u>Issue Type</u>	<u>Objective Number</u>	<u>Criteria Number</u>	<u>Functional Component</u>	<u>Toggle</u>	<u>Associated Objective(s)</u>	<u>Reclass</u>	<u>Loc</u>
1962	PBA	AR	CEX	96	B	OBS	5.1	1	A	1	7A,7B,7C	X	
1962	PBA	AR	CEX	96	B	OBS	5.1	1	B	0	7A,7B,7C		
1962	PBA	AR	CEX	96	B	OBS	5.1	1	C	0	7A,7B,7C		

Multiple Objectives

<u>RID</u>	<u>Site</u>	<u>State</u>	<u>Exercise Type</u>	<u>Year</u>	<u>Report Tab</u>	<u>Issue Type</u>	<u>Objective Number</u>	<u>Criteria Number</u>	<u>Functional Component</u>	<u>Toggle</u>	<u>Associated Objective(s)</u>	<u>Reclass</u>	<u>Loc</u>
1962	PBA	AR	CEX	96	B	OBS	5.1	1	C	.5	7A,7B,7C	X	
1962	PBA	AR	CEX	96	B	OBS	6.1	1	A	.5	4		

Multiple Objectives and Functional Components

<u>RID</u>	<u>Site</u>	<u>State</u>	<u>Exercise Type</u>	<u>Year</u>	<u>Report Tab</u>	<u>Issue Type</u>	<u>Objective Number</u>	<u>Criteria Number</u>	<u>Functional Component</u>	<u>Toggle</u>	<u>Associated Objective(s)</u>	<u>Reclass</u>	<u>Loc</u>
1962	PBA	AR	CEX	96	B	OBS	5.1	1	A	.5	7A,7B,7C	X	
1962	PBA	AR	CEX	96	B	OBS	5.1	1	B	0	7A,7B,7C		
1962	PBA	AR	CEX	96	B	OBS	5.1	1	C	0	7A,7B,7C		
1962	PBA	AR	CEX	96	B	OBS	6.1	1	A	.5	4		

ASSOCIATED OBJECTIVE	The cross-referenced objective number(s), which can be used to compare exercise results conducted under the different exercise guidance documents. For example, if the coded result was from an exercise conducted under the guidance found in <i>CSEPP Exercises 92</i> , the associated objective for the result would be the comparable objective found in <i>CSEPP Exercises 94</i> . Table A-9 (Appendix A) depicts the relationship between the two sets of objectives.
RECLASS	A toggle that indicates whether or not the data coders reclassified a finding to a more appropriate objective than its assignment in the exercise report. An "X" shows that reclassification occurred. This element is related only to the objective number.
LOC	Indicates the state or county in which an exercise result was obtained. This element applies only to results found in Tab C of an exercise report.

2.2.1.3 Derivation of Objective Numbers, Criteria, and Functional Components

As previously indicated, the codes for the objective numbers, criteria, and functional components are derived from *CSEPP Exercises 92* and *CSEPP Exercises 94*. The process of deriving the database categories for these elements is depicted in Figure 1. Objective 1 from *CSEPP Exercises 94* will be used to illustrate how the database categories are derived.

Each objective in *CSEPP Exercises 94* is broken down into evaluation elements. For the purpose of the database code, however, the objective and evaluation element numbers were combined into a single representation. For example, Objective 1 requires demonstration of the ability to initially characterize a chemical accident/incident (CAI), notify and alert officials and emergency personnel about the CAI, mobilize these persons, and activate emergency response facilities. Thus, Objective 1 consists of three separate evaluation elements: "1" is the ability to make a timely initial characterization of a CAI and notify appropriate officials, "2" is the alerting and mobilization of emergency personnel, and "3" is facility activation (Figure 2). Coded, these become Objectives 1.1, 1.2, and 1.3.

The demonstration criteria are based on points addressed in the evaluation objectives. For example, evaluation element 1.1 provides the framework for the evaluation of the Army's ability to initially notify all on- and off-post locations and to provide an initial characterization of a chemical accident or incident, including the identification of the agent involved and an estimate of the amount of agent released. Three distinct elements are identified. The first is the evaluation of the accident, the second is the initial notification to on- and off-post locations, and the third is the use of equipment, plans, and procedures. Thus, these three elements are defined as criteria in the database code, with criteria numbers 1, 2, and 3, respectively (Figure 3).

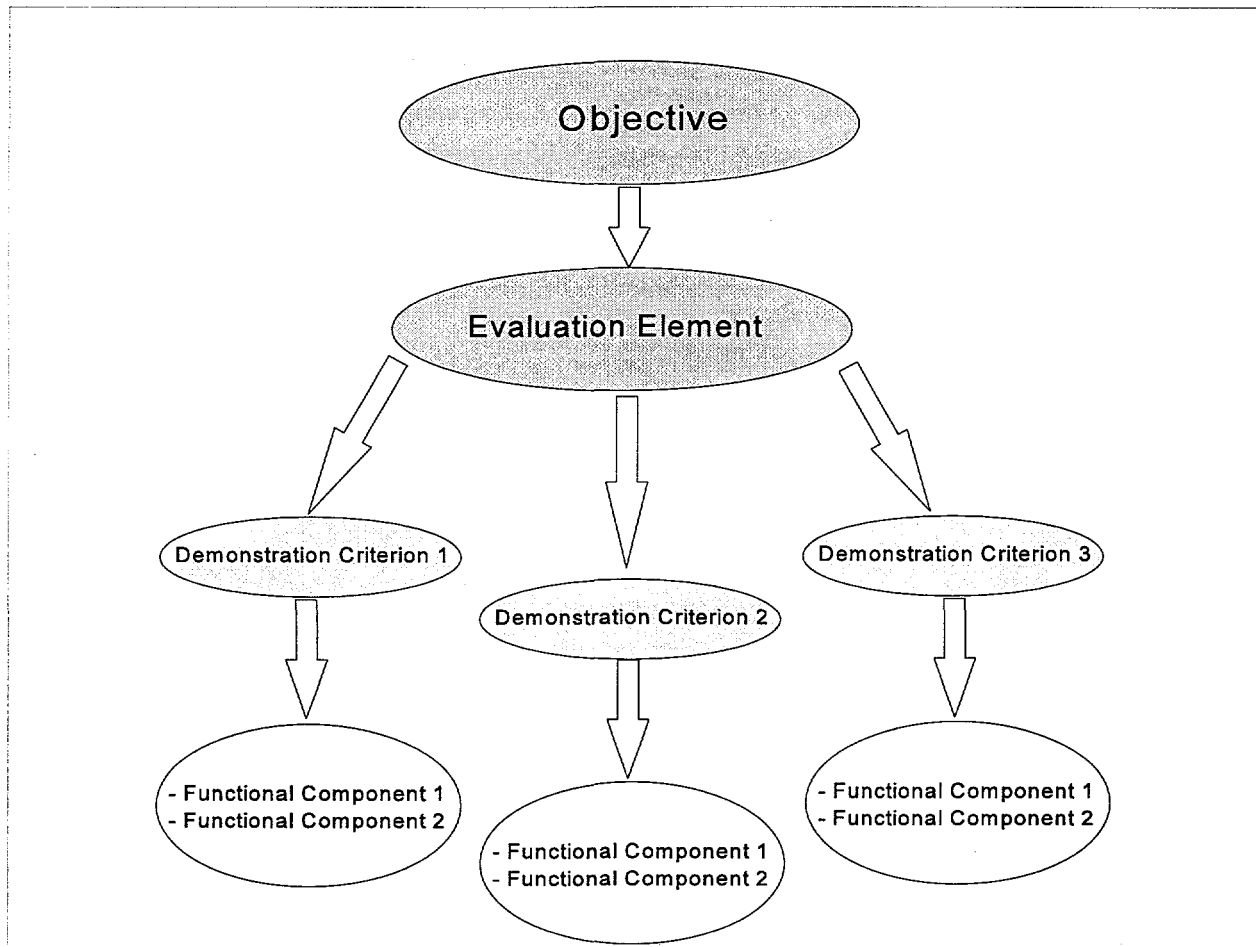


FIGURE 1 Deriving Objective, Criterion, and Functional Component Codes

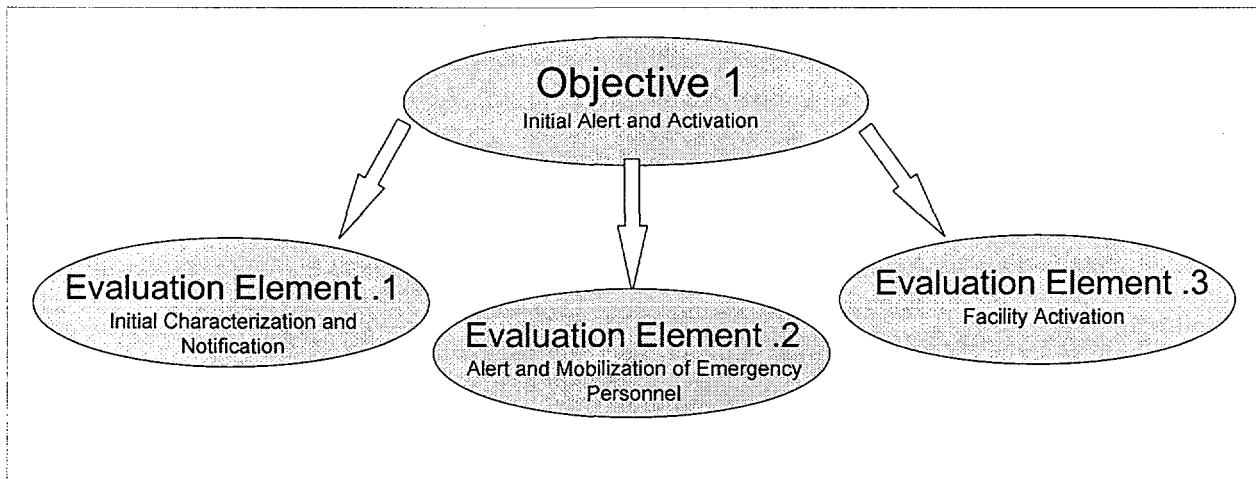


FIGURE 2 Deriving Evaluation Elements

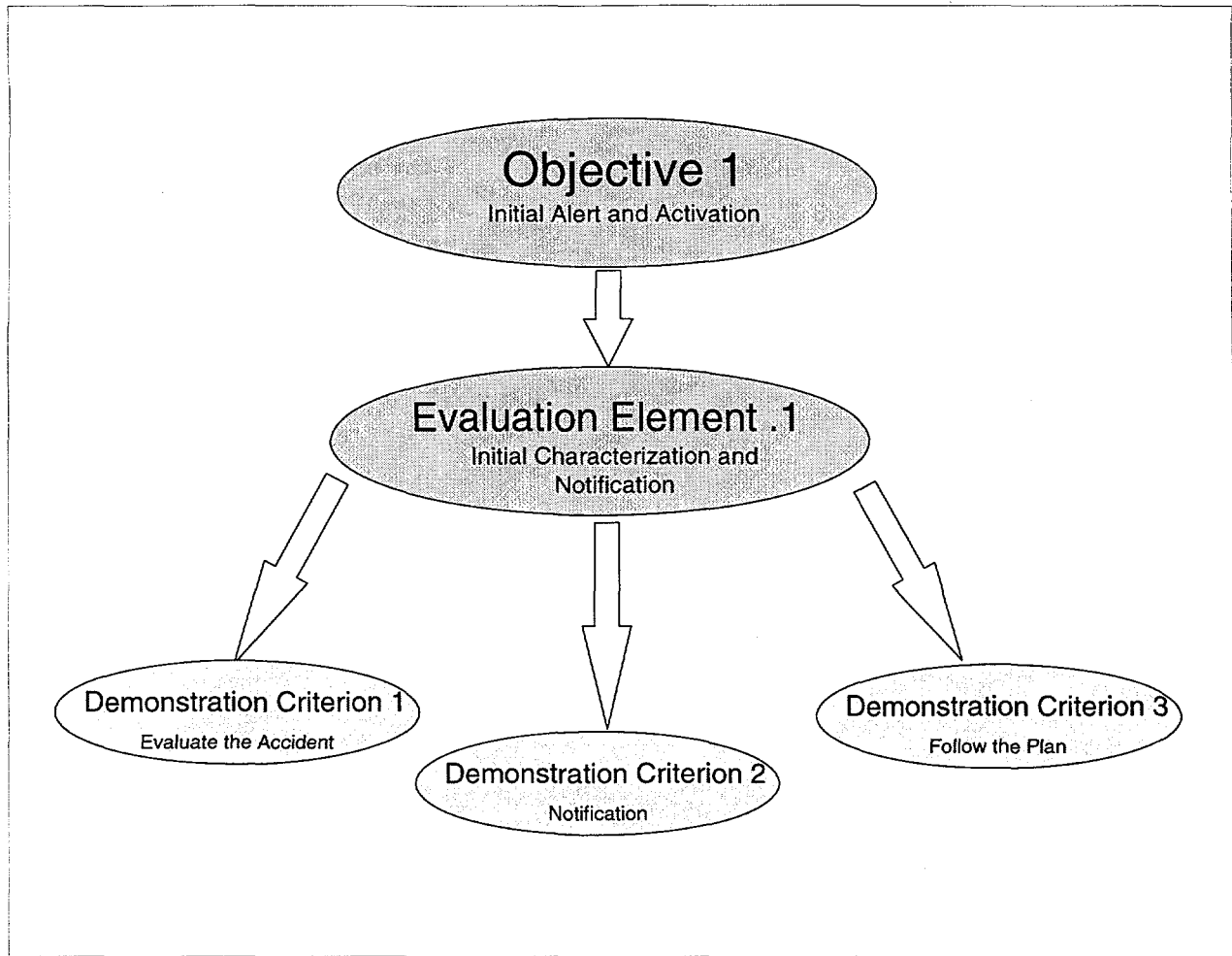


FIGURE 3 Deriving Demonstration Criteria

The demonstration criteria are further divided into one or more functional components. The functional components are developed to pinpoint the specific area in which a strength or weakness occurs. These, for the most part, are based on one or several points of review defined in the exercise evaluation methodology (EEM). Applying this concept to Objective 1.1, six functional components were identified for the first demonstration criterion, on the basis of the points-of-review. The functional components are (A) identification of the location of the accident, (B) determination of the hazard, (C) collection of information about the hazard, (D) communication of the hazard, (E) request for assistance from additional personnel, and (F) development of a plan of action for the containment and control of the hazard (Figure 4).

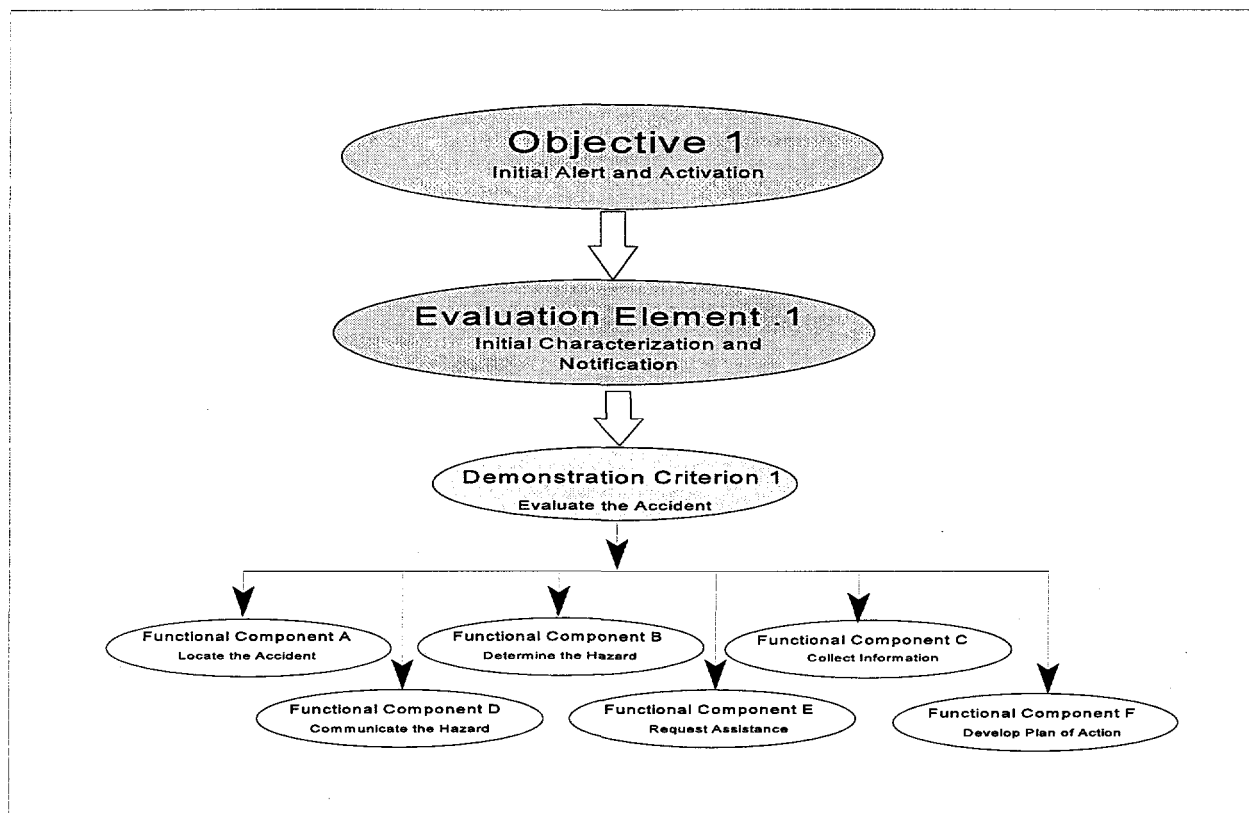


FIGURE 4 Deriving Functional Components

Such a clear delineation of objectives and demonstration criteria is not present in *CSEPP Exercises 92*. In that version of exercise guidance, only Objectives 7, 8, and 12 are divided into evaluative groupings. Thus, they are the only objectives coded to reflect multiple demonstration criteria. However, the codes for the demonstration criteria and functional components of *CSEPP Exercises 92* exercise objectives were defined in a similar fashion to objectives found in *CSEPP Exercises 94*. No EEM is found in the 1992 guidance, so functional components were determined directly from the objective points-of-review. For example, Objective 4 (Demonstrate the ability to communicate effectively with all appropriate emergency response locations, organizations, and field personnel) has one demonstration criterion and five associated functional components. These are (A) system operations, (B) system use by staff, (C) protocols and procedures, (D) follow the plan, and (E) follow the extent of play.

2.2.2 Coding Methodology

Two sessions were used to code exercise results into the database. A team was assembled at Argonne during the week of October 7, 1996, to encode exercise results found in reports from February 1992 to June 1996. The results from exercises conducted from July 1996 through July 1997

were coded by a second team the week of October 6, 1997, at the CBDCOM CSEP Office. The teams consisted of three individuals with in-depth knowledge of CSEPP exercise guidance (to act as coders), a statistical analyst (to ensure code validity and reliability), and a data recorder. Two team members from the first coding team were part of the second coding team. At each session, team members reviewed the coding protocol and its relationship to fields in the exercise database. In addition, ground rules for determining the objective, criteria, and functional component codes for exercise findings were reviewed. The ground rules were as follows:

- To the maximum extent possible, the objective number code must match the objective against which the finding was written by the exercise evaluation team.
- Codes assigned for criteria and functional components are to be based on the consensus of the coding team.
- Findings obviously written against incorrect objectives are to be reclassified, because such an error would skew data. Reclassification requires unanimous agreement of the coders. Any finding reclassification is to be indicated in the database.¹
- Findings written against a single objective but obviously addressing more than one objective are to be coded to show all related objectives. Unanimous agreement of the coders is required to indicate the additional objectives in the database.
- Findings that are not related to exercise play, such as assigning a finding to the installation about the number of telephones in the exercise control cell (an exercise design issue) are to be coded as follows: Objective = 0, Criterion = 0, Functional Component = 0, Toggle = 0 (or 0.0.0.0). Such coding requires unanimous agreement of the coders. Any such reclassification is to be indicated in the database.

All coding was accomplished as a team effort. Copies of *CSEPP Exercises 92* and *CSEPP Exercises 94* were available for coding team reference. Each team member had a copy of the report being coded. Each finding in a report was addressed singly and in order by the team. Team members were provided a short time to read and analyze the finding to (1) determine the appropriateness of the objective to which the finding was assigned, (2) determine if any additional objectives applied, and (3) assign criteria and functional component codes. After the review, the coding team leader

¹ This and subsequent reclassification protocols were approved by the Exercise Manager, CBDCOM CSEP Office, prior to application.

proposed a coding of the finding to the team. The team then discussed the appropriateness of the code. Once consensus (or unanimous agreement, if required by the ground rules) was achieved, the code was recorded in three places: (1) on a master copy of the exercise report, adjacent to the finding; (2) on the team leader's exercise report, adjacent to the finding; and (3) on the coding table maintained by the recorder. Reports written according to guidance found in *CSEPP Exercises 92* were coded first.

Data were transferred from the coding tables to a computer database constructed in Microsoft® Access™. The database input was checked against the coding tables and reviewed by the coding team prior to approving its use for subsequent analysis. Text copies of each finding were scanned into the database to aid in qualitative analysis of exercise results by emergency and exercise planners.

3 THE CSEPP EXERCISE RESULTS DATABASE

The CSEPP Exercise Results Database is a set of tables, queries, and an interface constructed in Microsoft® Access™. Fields in the data table match the elements of the finding coding string, as described in Section 2. Access™ is a fully relational database, meaning that the data are stored in such a way that common elements of multiple tables can be compared, either one-to-one or one-to-many. The software CD-ROM provided with this report is a “run time” version of the database and includes the data tables, interface forms designed to assist novice users in extracting information, and an advanced query function to allow experienced users more flexibility in manipulating data. The CD-ROM contains database versions that can be run in Microsoft® Windows for Work Groups™ 3.11, Windows 95™, and Windows NT™. Hardware requirements and installation instructions are included with the CD-ROM.

4 SUMMARY

This document provides a summary of the process used to develop the CSEPP Exercise Results Database. It describes the collection of exercise data, discusses the data coding methodology, provides data coding guidance tables, furnishes a description of the database, and supplies instructions for using the database. An electronic copy of the database (CD-ROM) accompanies this report.

The database provides CSEPP managers in DA and FEMA a method for tracking and analyzing exercise results. This volume focuses only on the development of the database; Volume 2 discusses the analysis of the collected data.

5 REFERENCES

Federal Emergency Management Agency and U.S. Department of the Army, 1992, *Chemical Stockpile Emergency Preparedness Program Exercise Program, Volume 1: Exercise Program Plan*, Washington, D.C., February.

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Federal Emergency Management Agency and U.S. Department of the Army, 1992, *Chemical Stockpile Emergency Preparedness Program Exercise Program, Volume 3: Exercise Guidance*, Washington, D.C., February.

Federal Emergency Management Agency and U.S. Department of the Army, 1994, *Chemical Stockpile Emergency Preparedness Program Exercises*, Washington, D.C., February.

APPENDIX A:
CSEPP EXERCISE RESULTS CODING GUIDES

TABLE A-1 Coding Guide for Sites

SITE NAME	Anniston Chemical Activity	Blue Grass Chemical Activity	Deseret Chemical Depot	Edgewood Chemical Activity	Newport Chemical Depot	Pine Bluff Chemical Activity	Pueblo Chemical Depot	Umatilla Chemical Depot
CODE	ACA	BCA	DCD	ECA	NCA	PBA	PCD	UCD

TABLE A-2 Coding Guide for States

STATE	Alabama	Arkansas	Colorado	Illinois	Indiana	Kentucky	Maryland	Oregon	Utah	Washington
CODE	AL	AR	CO	IL	IN	KY	MD	OR	UT	WA

TABLE A-3 Coding Guide for Exercise Types

EXERCISE TYPE	Direction and Control Exercise	Full Scale Exercise	CSEPP Exercise
CODE	DCX	FSX	CEX

TABLE A-4 Coding Guide for Exercise Years

YEAR	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
CODE	92	93	94	95	96	97	98	99	00	01

TABLE A-5 Coding Guide for Report Tabs

REPORT TAB	Tab A — On-Post	Tab B — Joint Interface	Tab C — Off-Post
CODE	A	B	C

TABLE A-6 Coding Guide for Issue Types

ISSUE TYPE	Area Needing Correction	Area Needing Improvement	Area Needing Remedial Action	Finding	Issue	Observation	Strength
CODE	ANC	ANI	ANRA	FND	ISS	OBS	STR

TABLE A-7 Coding Guide for Exercise Objectives, Criteria, and Functional Components Found in CSEPP Exercises 92

Objective Number, Evaluation Element	Description	Criteria Number	Description	Functional Component Letter	Description
0	Command and Control	1		A	Command and Control
1	Demonstrate the ability to assess and classify a chemical event.	1		A	Assessment
				B	Hazard information communication
				C	Hazard prediction methodology
				D	Determination of Emergency Classification Level (ECL)
				E	Follows plan
				F	Follows extent of play
2	Demonstrate the ability to alert, mobilize, and activate appropriate personnel and facilities fully for emergency response.	1		A	Notification time standard met
				B	Time to notify staff
				C	Time to activate the facility
				D	Position staff
				E	Staff deployment to field
				F	Follows plan
				G	Follows extent of play
3	Demonstrate the ability to maintain staffing on a continuous 24-hour basis by an actual shift change.	1		A	Shift change
				B	Change-over briefings
				C	Operations during shift change
				D	Follows plan
				E	Follows extent of play
4	Demonstrate the ability to communicate effectively with all appropriate emergency response locations, organizations, and field personnel.	1		A	System operations
				B	System use by staff
				C	Protocols and procedures
				D	Follows plan
				E	Follows extent of play

Objective Number. Evaluation Element	Description	Criteria Number	Description	Functional Component Letter	Description
5	Demonstrate the ability to assess initial and ongoing hazards from a chemical event and to make appropriate recommendations for protecting the public (including on-post personnel).	1		A	Initial hazard assessment
				B	Protective action strategy
				C	Protection options
				D	Subsequent hazard assessment
				E	Facility and field personnel informed of projected and actual dispersion and deposition of chemical agent
				F	Follows plan
				G	Follows extent of play
6	Demonstrate the ability to make appropriate protective action decisions for a chemical event.	1		A	Protective action decisions
				B	Follows plan
				C	Follows extent of play
7	Demonstrate the ability to alert the public (including on-post personnel) of the chemical event and to disseminate protective action recommendation (PAR) messages in a timely manner.	1	IRZ	A	Divided IRZ
				B	Systems used
				C	PAR message dissemination for special population groups
				D	Alert and notification completion time (to standard)
				E	Periodic activation of alert signal and PAR message rebroadcast
				F	Coordination with other jurisdictions
				G	Prescribed PAR messages
				H	Ad Hoc PAR messages
				I	Route Alerting
				J	Follow Plan
				K	Follow extent of play

Objective Number. Evaluation Element	Description	Criteria Number	Description	Functional Component Letter	Description
7	Demonstrate the ability to alert the public (including on-post personnel) of the chemical event and to disseminate protective action recommendation (PAR) messages in a timely manner.	2	PAZ	A	Divided IRZ
				B	Systems used
				C	PAR message dissemination for special population groups
				D	Alert and notification completion time (to standard)
				E	Periodic activation of alert signal and PAR message rebroadcast
				F	Coordination with other jurisdictions
				G	Prescribed PAR messages
				H	<i>Ad Hoc</i> PAR messages
				I	Route Alerting
				J	Follow Plan
				K	Follow extent of play
				A	Populations not at risk
				B	Protective action messages
		3	Installation	C	Follow plan
				D	Follow extent of play

Objective Number, Evaluation Element	Description	Criteria Number	Description	Functional Component Letter	Description
8	Demonstrate the ability to coordinate and disseminate accurate and timely information to the public regarding a chemical event.	1	EBS Messages	A	Demonstrated
				B	Prescribed EBS messages
				C	<i>Ad hoc</i> EBS messages
		2	News Releases	A	Demonstrated
				B	Content
				C	Coordination with other jurisdictions and organizations
		3	Media Briefings	A	Demonstrated
				B	Content
				C	Coordination with other jurisdictions and organizations
				D	Monitor media information provided to the public
				E	Equipment to conduct briefing
				F	Work space
		4	Rumor Control	A	Demonstrated
				B	Public informed
				C	Sufficient telephone lines
				D	Multilingual capability
				E	Information quality
				F	Call analysis
				G	Correction of misinformation
		5		A	Follows plan
		6		A	Follows extent of play

Objective Number, Evaluation Element	Description	Criteria Number	Description	Functional Component Letter	Description
9	Demonstrate the ability and resources necessary to implement appropriate protective actions for a chemical event	I		A	Consistent with protective action decision, public notification, Assigned responsibilities
				B	Institutional authority protective action decision different
				C	In-place sheltering
				D	Respiratory protection
				E	Evacuation
				F	Protective action completion reported
				G	Follows plan
				H	Follows extent of play
10	Demonstrate the ability to monitor and control contamination of the public (including on-post personnel) through an appropriate registration, contamination screening, and decontamination process.	I		A	EBS or PAR message enabled evacuee finding the reception center
				B	Reception center worker safety briefing
				C	Worker access to appropriate protective equipment
				D	Worker demonstration of self protection procedures
				E	Evacuee screening procedures
				F	Evacuee decontamination procedures
				G	Vehicle screening and decontamination
				H	Evacuee personal property decontamination
				I	Post-decontamination holding and certification
				J	Evacuee registration
				K	Assignment of evacuees to mass care facilities
				L	Follows plan
				M	Follows extent of play

Objective Number, Evaluation Element	Description	Criteria Number	Description	Functional Component Letter	Description
11	Demonstrate the ability to provide congregate care for evacuees.	1		A	Ability to find care center
				B	Registration
				C	Services
				D	Follows plan
				E	Follows extent of play
12	Demonstrate appropriate medical response activities for the chemical agent(s).	1	Medical Response Activities	A	Ability to transport contaminated patient
				B	Transport team contamination control
				C	Evacuation route coordination
				D	Coordination with medical facility
				E	Medical facility contamination control
				F	Patient decontamination by medical facility
				G	Staff, equipment, and facility decontamination
				H	Follows plan
				I	Follows extent of play
		2	Identification of Contaminated Patients (at collection points and mass care facilities)	A	Non-medical staff knowledge
				B	Equipped with point source vapor detectors
				C	Follows plan
				D	Follows extent of play
		3	Patient Collection Points	A	Segregation procedures
				B	Decontamination procedures
				C	Buddy-aid and first aid for chemical agent casualties
				D	Follows plan
				E	Follows extent of play

Objective Number. Evaluation Element	Description	Criteria Number	Description	Functional Component Letter	Description
12	Demonstrate appropriate medical response activities for the chemical agent(s).	4	Initial Treatment and Evacuation	A	EMT treatment procedures
				B	Supplies, antidotes, equipment
				C	Personal protective equipment
				D	Patient decontamination prior to transport
				E	Decontaminated patient identification
				F	Route coordination
				G	Follows plan
				H	Follows extent of play
		5	Treatment Facilities and Protocols	A	Patient triage
				B	Supplies, antidotes, equipment
				C	Personal protective equipment
				D	Emergency medical treatment procedures
				E	Decontamination procedures
				F	Follows plan
				G	Follows extent of play
		6	Patient Tracking System	A	Tracking system
				B	Patient identification (admission v. out-patient v. off-post)
				C	Follows plan
				D	Follows extent of play
		7	Chemical Alert Roster	A	Availability of roster
				B	Follows plan
				C	Follows extent of play

Objective Number, Evaluation Element	Description	Criteria Number	Description	Functional Component Letter	Description
12	Demonstrate appropriate medical response activities for the chemical agent(s).	8	Handling Contaminated Remains	A	Decontamination
				B	Decontaminated remains identification
				C	Decontaminated remains disposition
				D	Follows plan
				E	Follows extent of play
13	Demonstrate the ability to contain and control chemical agent contamination of emergency workers, equipment, and vehicles	1		A	Emergency worker safety briefing
				B	Emergency workers in a risk area
				C	Decontamination of workers, equipment, vehicles
				D	Worker tracking system
				E	Hotline location
				F	Decontamination station staffing
				G	Hotline communications
				H	Access control
				I	Follows plan
				J	Follows extent of play
14	Demonstrate the ability to mitigate hazards associated with a chemical event.	1		A	Initial response teams
				B	Ineffective or non-contributory actions
				C	Response team safety
				D	Follows plan
				E	Follows extent of play

Objective Number. Evaluation Element	Description	Criteria Number	Description	Functional Component Letter	Description
15	Demonstrate the ability to maintain and operate all emergency response supplies and equipment	I		A	Supply availability
				B	Equipment availability
				C	Equipment maintenance
				D	Equipment operator proficiency
				E	Follows plan
				F	Follows extent of play
16	Demonstrate the ability to secure accident locations and account for chemical agent and weapons involved in a chemical accident.	I		A	Initial securing of the site
				B	Subsequent securing actions
				C	National Defense Site declaration
				D	Chemical agent or weapons accountability actions
				E	Follows plan
				F	Follows extent of play
17	Demonstrate the Army's ability to provide legal advice to the Initial Response Force/Service Response Force Commander, deal with claims, and coordinate these activities with those State, local, and other Federal officials.	I		A	Presence of legal advisor
				B	Legal support personnel
				C	Claims office location
				D	Coordination between legal office and public affairs office
				E	Coordination between legal office and Federal representatives
				F	Coordination between legal office and State and local representatives
				G	Providing legal information to customers
				H	Follows plan
				I	Follow extent of play

TABLE A-8 Coding Guide for Exercise Objectives, Criteria, and Functional Components Found in CSEPP Exercises 94

Objective Number, Evaluation Element	Description	Criteria Number	Description	Functional Component Letter	Description
1.1	Initial Characterization of the Accident	1	Evaluate the Accident	A	Identify the location of the accident
				B	Determination of the hazard
				C	Information collected about the hazard from the initial response team
				D	Communication of hazard conditions
				E	Request for Assistance (Notification of additional personnel)
				F	Development of plan of action for containment and control
		2	Notification	A	Receipt of Notification of the Accident
				B	Content of notification message
				C	Receipt of regular updates
		3	Follow the Plan	A	Have/follow plans and procedures
B	Follow extent of play agreement				
C	Use equipment and procedures				
1.2	Alert and Mobilization of Emergency Personnel	1	Alerting Personnel	A	Contact /alert emergency personnel
				A	Mobilize emergency personnel
				B	Confirm no pre-positioning
		2	Mobilization of Personnel	C	Availability of roster
				A	Have/follow plans and procedures
				B	Follow extent of play agreement
		3	Follow the Plan	C	Use equipment and procedures

Objective Number, Evaluation Element	Description	Criteria Number	Description	Functional Component Letter	Description
1.3	Facility Activation	1	Facility Activation	A	Activation of the Facility
				B	Adequate availability of staff
		2	Follow the Plan	A	Have/follow plans and procedures
				B	Follow extent of play agreement
				C	Use equipment and procedures
2.1	Classification of Chemical Event Notification Levels	1	Assess / Classify the CAI	A	Information included in initial report
				B	Initial hazard projection
				C	Classification of hazard/request for additional information
				D	Determine time for the notification levels (i.e., within a timely fashion)
				E	Determine the appropriate notification level
		2	Follow the Plan	A	Have/follow plan and procedures
				B	Follow extent of play agreement
				C	Use equipment and procedures
		1	Monitoring / Sampling Team	A	Monitoring and sampling team briefing
				B	On-post and off-post coordination
2.2	Agent Detection, Monitoring / Sampling Team	2	Equipment	A	Availability of equipment
				B	Calibration of instrumentation (Pre-operational check)
				C	Maps / displays of monitoring / sampling points
		3	Protocol (Documentation)	A	Proper documentation of samples
				B	Proper handling of samples
		4	Follow the Plan	A	Have/follow plan and procedures
				B	Follow the extent of play
				C	Use equipment and procedures

Objective Number. Evaluation Element	Description	Criteria Number	Description	Functional Component Letter	Description
2.3	Continuing Chemical Event Hazard Assessment	1	Accident Information	A	Receipt of information from accident site
				B	Chemical hazard assessment (use of models, displays, etc.)
				C	Providing proper updated information to sites
				A	Use of software to predict hazard
		2	Hazard Projections	B	Appropriate displays of information
				C	Communication of hazard
				D	Protective Action Recommendations
				A	Type of sampling and available equipment for agent in air
		3	Analysis of Sampling	B	Sampling for liquid deposition of chemical agent
				C	Other needed / required for sampling
				D	Assessment of sampling (Determine plume footprints, samples sent to laboratory)
				A	Have/follow plan and procedure
		4	Follow the Plan	B	Follow the extent of play agreement
				C	Use equipment and procedures
		1	Appropriate PARs	A	Development of initial PAR
				B	Communication of PAR
				C	Development of subsequent PAR
				A	Recommendation being made within an appropriate time frame
3.1	Protective Action Recommendations and Decision Making	2	Timeliness of determining PAR	A	Have/follow plan and procedures
				B	Follow the extent of play agreement
		3	Follow the Plan	C	Use equipment and procedures

Objective Number, Evaluation Element	Description	Criteria Number	Description	Functional Component Letter	Description
3.2	Protective Action Decision Making	1	Staff Available for Analysis	A	Appropriate staff to determine PAD
				B	Consultation with others to determine the PAD
				C	Coordination with jurisdictions
				D	Factors considered in making PAD
		2	Timeliness of Making PAD	A	Recommendation being made within appropriate time frame
		3	Follow the Plan	A	Have/follow plan and procedures
				B	Follow the extent of play agreement
4.1	Command and Control	1	Leadership	C	Use equipment and procedures
				A	Clear chain of command
				B	Delegation
		2	Follow the Plan	C	Contact with On-Scene Coordinator
				A	Have/follow plan and procedures
				B	Follow the extent of play agreement
				C	Use equipment and procedures
		1	Supplementary Assistance	A	Identification of necessary resources
				B	Contact of appropriate organizations for assistance (SRF, RRT, Private organizations)
				A	Have/follow plan and procedures
4.2	Supplementary Assistance	2	Follow the Plan	B	Follow the extent of play agreement
				C	Use equipment and procedures

Objective Number, Evaluation Element	Description	Criteria Number	Description	Functional Component Letter	Description
5.1	Alert and Notification of the Public	1	Notification to General Public	A	Process of determining who is at risk
				B	Timing of each step in A&N process
				C	Coordination with other agencies
				D	Presence of tone alert radio
				E	Supplementary methods for notification
		2	Route Alerting	A	EOC: Selection of routes
				B	EOC: Availability of resources for route alerting
				C	Field: Equipment for alerting
				D	Message type
		3	Notification to Special Populations	A	A&N for hearing impaired
				B	Notification to special institutions (Special populations centers, public congregation centers, large business establishments)
		4	Follow the Plan	A	Have/follow plan and procedures
				B	Follow the extent of play agreement
				C	Use equipment and procedures
5.2	Public Instructions and Emergency Information	1	Message Content	A	Accurate/appropriate
				B	Complete/concise
				C	Clear
				D	Read within a reasonable time
				E	Message understandable to the public

Objective Number, Evaluation Element	Description	Criteria Number	Description	Functional Component Letter	Description
5.2	Public Instructions and Emergency Information	2	Procedural	A	Alternate language
				B	Message development (prescripted, ad hoc, etc.)
				C	Coordination with other organizations
				D	Proper logging of messages
				E	Verify message broadcast was what was intended to be broadcast
6.1	Communications Systems	3	Follow the Plan	A	Have/follow plan and procedures
				B	Follow the extent of play agreement
				C	Use equipment and procedures
		1	Communications Systems	A	Primary system
				B	Back-up system
				C	Secure system
				D	Communications operate without delay and
				E	Follow organizational protocol and procedures
				A	Have/follow plan and procedures
				B	Follow extent of play agreement
				C	Use equipment and procedures
6.2	Facilities, Equipment, Displays	1	Sufficient Facilities	A	Adequate space and furnishings, including back-up
				B	Adequate equipment
				C	Adequate maps, displays
				D	Adequate status boards
				E	Update status boards
		2	Control Access	A	Control facility access

Objective Number. Evaluation Element	Description	Criteria Number	Description	Functional Component Letter	Description
6.2	Facilities, Equipment, Displays	3	Follow the Plan	A	Have/follow plan and procedures
				B	Follow the extent of play agreement
				C	Use equipment and procedures
7.1	Protective Action Implementation for Special Populations	1	Coordination / Contact Special Populations	A	Identification of special populations
				B	Prompt notification to special populations
				A	Contact of transportation providers
		2	Transportation for Special Populations	B	Gaps in transportation/secure additional resources
				C	Coordinate with host institutions for evacuees
				A	Receipt of notification
		3	Protect Special Populations	B	Implement protective action
				C	Require/availability of assistance (if sheltering in place)
				A	Availability of drivers
		4	Implementation for Transportation	B	Promptness of drivers
				C	Aware of hazard conditions
				D	Communications en route with facilities
		5	Follow the Plan	E	Knowledge of chemical agent hazard
				A	Have/follow plan and procedures
				B	Follow the extent of play agreement
				C	Use equipment and procedures

Objective Number, Evaluation Element	Description	Criteria Number	Description	Functional Component Letter	Description
7.2	Protective Action Implementation for Schools	1	Coordination / Contact Schools and Day Care Centers	A	Determine which schools are to be contacted
				B	Prompt notification to schools/recommend protective action
		2	Implement protective Action	A	Ability to implement the protective action at schools
				B	Mobilize sufficient transportation resources
				C	If necessary, host institutions notified of evacuated children
				D	Message describing actions taken to protect children and how to pick them up
		3	Implementation at School / Day Care	A	Knowledgeable staff
				B	Correct implementation of protective action procedures
		4	Resources for Evacuees (Transport)	A	Availability
				B	Promptness
				C	Aware of hazard condition
				D	Communications en route with other facilities
				E	Knowledge of chemical agent hazards
		5	Follow the Plan	A	Have/follow plan and procedures
				B	Follow the extent of play agreement
				C	Use equipment and procedures

Objective Number, Evaluation Element	Description	Criteria Number	Description	Functional Component Letter	Description
8.1	Traffic and Access Control	1	Identify TCPs and ACPs	A	Identify appropriate TCPs and ACPs
		2	Establish TCPs and ACPs	A	Staff TCPs and ACPs
				B	Knowledge of role required at TCPs and ACPs (including CENL, PARs evacuation routes, etc.)
				C	Keep staff informed of conditions (communicate with the base)
				D	Suitable equipment available to establish TCPs and ACPs
		3	Request Assistance	A	Identify impediments to evacuation
		4	Remove Impediments	A	Remove impediments to evacuation
		5	Follow the Plan	A	Have/follow plans and procedures
				B	Follow the extent of play agreement
				C	Use equipment and procedures

Objective Number, Evaluation Element	Description	Criteria Number	Description	Functional Component Letter	Description
9.1	Emergency Public Information - Media	1	Activate JIC	A	Activation of the JIC
				A	Adequate facilities
		2	JIC Facilities	B	Designated spokesperson
				C	Respond to media/telephone inquiries
				A	Timely media briefings
		3	Dissemination of Information	B	Present clear/accurate/complete/consistent information in media briefings
				C	Distribute news releases
				D	Present clear/accurate/complete/consistent information in news releases
				E	Telephone interviews
				F	Information on PARs
				G	Address for various populations (i.e., other languages)
				H	Review/incorporate information from rumor control (including radio, television)
				I	JIC messages in correspondence with messages from other organizations
		4	Follow the Plan	A	Have/follow plan and procedures
				B	Follow extent of play agreement
				C	Use equipment and procedures

Objective Number, Evaluation Element	Description	Criteria Number	Description	Functional Component Letter	Description
9.2	Public Inquiries	1	Respond to telephone calls	A	Dissemination of rumor control number
				B	Adequate team to handle telephone calls
				C	Have adequate timely/accurate/complete information
				D	Adequate facilities (phone lines) to handle calls
		2	Control Spread of Rumors	A	Logs of telephone calls
				B	Identify rumors
		3	Follow the Plan	A	Have/follow plan and procedures
				B	Follow extent of play agreement
				C	Use equipment and procedures
10.1	Administration of Self Aid, Buddy Aid, and Initial treatment in a Potentially Contaminated Environment	1	Response Treatment Chosen	A	Appropriate immediate response treatment
				A	Performance of the treatment
				B	Availability of equipment/antidotes
		2	Medical Response Treatment	C	Availability of additional health care providers
				D	Proper decontamination techniques
				E	Continued monitoring of patients
				F	Perform triage
		3	Control Contamination	A	Separation of patients (those who are not contaminated)
				A	Activation of response team
		4	Response Team	B	pPE for medical response team
				A	Have/follow plan and procedures
		5	Follow the Plan	B	Follow extent of play agreement
				C	Use equipment and procedures

Objective Number. Evaluation Element	Description	Criteria Number	Description	Functional Component Letter	Description
1.1.1 Transportation of Injured, Potentially Contaminated Individuals to Medical Treatment Facilities		1	Patient Evaluation and Care	A	Briefing on patient
				B	Additional evaluations/treatments performed
				C	Correct priority of medical treatment
				D	Sustain treatment during transport
		2	Contamination Control	A	Control contamination - workers
				B	Control contamination - patients
				C	Control contamination - vehicle
		3	Medical Facility	A	Determine the medical facility for patient
				B	Transport of patient to medical facility
				C	Appropriate evacuation route to medical facility ("clean")
		4	Communications	A	Communications with receiving facility
				B	Communicate patient info/data to receiving facility
		5	Decontamination	A	Monitor/decontaminate crew
				B	Monitor/decontaminate vehicle
				C	Monitor/decontaminate/tag equipment, clothing
				D	Monitor/decontaminate patient
		6	Follow the Plan	A	Have/follow plan and procedures
				B	Follow extent of play agreement
				C	Use equipment and procedures

Objective Number. Evaluation Element	Description	Criteria Number	Description	Functional Component Letter	Description
12.1	Adequacy of Medical Facility and Health Care Personnel in Handling Potentially Contaminated Individuals	1	Communications	A	Clear communication with transport vehicle
				B	Clear communication with other necessary facilities for additional information
		2	Medical Staff	A	Availability of staff
				B	Perform Triage
				C	Decontamination of patients
		3	Medical Facility	A	Adequate space
				B	Adequate equipment
		4	Follow the Plan	A	Have/follow plan and procedures
				B	Follow extent of play agreement
				C	Use equipment and procedures
12.2	Casualty Tracking System	1	Collection of Data	A	Use of a tracking system
				B	Method of tracking
				C	Creation of summary report (tracking system data)
				D	Distribution of summary report (tracking system data)
				E	Notification of next-of-kin
		2	Follow the Plan	A	Have/follow plan and procedures
				B	Follow extent of play agreement
				C	Use equipment and procedures

Objective Number, Evaluation Element	Description	Criteria Number	Description	Functional Component Letter	Description
12.3	Handling Contaminated Human Remains	1	Evaluation of Fatalities	A	Proper monitoring
				B	Proper decontamination
				C	Proper labeling of subjects
				D	Available space for placement of fatalities
		2	Follow the Plan	A	Have/follow plan and procedures
				B	Follow extent of play agreement
				C	Use equipment and procedures
13.1	Emergency Worker Exposure Control	1	Personal Protective Equipment	A	Availability of equipment
				B	Proper use of equipment
		2	Special Limits	A	Know mission stay time
				B	Know who authorizes exceeding stay time
		3	Two-Person Concept	A	Use of a two-person concept
		4	Follow the Plan	A	Have/follow plan and procedures
				B	Follow the extent of play agreement
				C	Use equipment and procedures

Objective Number. Evaluation Element	Description	Criteria Number	Description	Functional Component Letter	Description
13.2	Emergency Worker Decontamination	1	Decontamination of Emergency Workers	A	Maintain records of decontamination
				B	Proper segregation of contaminated/non-contaminated workers
				C	Availability of decontamination equipment
				D	Demonstrate proper decontamination procedures (availability of clean attire, etc.)
				E	Control contamination
		2	Decontamination of Vehicles and Equipment	A	Proper segregation of contaminated/non-contaminated vehicles and equipment
				B	Control Contamination
				C	Availability of decontamination equipment
				D	Demonstrate proper decontamination procedures
		3	Follow the Plan	A	Have/follow plan and procedures
				B	Follow extent of play agreement
				C	Use equipment and procedures
			Security / Accountability On-Post	A	Proper protection of agent/weapons
				B	Secure area (perimeter)
				C	Access control to secure area
13.3	Security and Accountability	2	Security / Accountability Off-Post	A	Coordination with civil law enforcement
				B	Establish National Defense Area
		3	Follow the Plan	A	Have/follow plan and procedure
				B	Follow the extent of play agreement
				C	Use equipment and procedures

Objective Number. Evaluation Element	Description	Criteria Number	Description	Functional Component Letter	Description
13.4	Resupply of Chemical Unique Materials	1	Maintain Adequate Supply	A	Maintain sufficient quantities of supply
				B	Availability of additional supply and attainment there of
				C	Ensure supplies are within expiration date
				D	Availability of "push package" or attainment there of
14.1	Screening Evacuees for Agent Contamination	2	Follow the Plan	A	Have/follow plan and procedures
				B	Follow the extent of play agreement
				C	Use equipment and procedures
		1	Activate Screening Center	A	Activate screening center
				B	Contact those to do screening
				A	Trained/knowledgeable staff
		2	Monitoring Resources	B	Adequate monitoring equipment
				A	Proper registration
				B	Proper referral of evacuees (to decontamination area or congregate care center)
		3	Screening of Evacuees	C	Available transport for evacuees
				A	Screening of vehicles and personal belongings
				A	Have/follow plan and procedures
		4	Screening of Equipment	B	Follow the extent of play agreement
				C	Use equipment and procedures

Objective Number, Evaluation Element	Description	Criteria Number	Description	Functional Component Letter	Description
14.2	Decontamination for Evacuees	1	Activate Decontamination Center	A	Activate decontamination center
				B	Contact decontamination personnel
		2	Monitoring Resources	A	Trained/knowledgeable staff
				B	Adequate decontamination support
		3	Decontamination of Evacuees	A	Proper registration
				B	Proper decontamination
				C	Available transport
		4	Decontamination of Equipment	A	Decontamination of vehicles and personal belongings
		5	Follow the Plan	A	Have/follow plan and procedures
				B	Follow extent of play agreement
				C	Use equipment and procedures
14.3	Evacuee Registration	1	Activate Reception center	A	Activation of reception center
				B	Contact necessary personnel
				C	Clear communication with facilities (EOC, medical facility)
		2	Equipment / Materials	A	Availability of maps (to congregate care centers, etc.)
				B	Availability of transportation
		3	Follow the Plan	A	Have/follow plans and procedures
				B	Follow extent of play agreement
				C	Use equipment and procedures

Objective Number, Evaluation Element	Description	Criteria Number	Description	Functional Component Letter	Description
14.4	Congregate Care	1	Activate Centers	A	Determine centers to be activated
				B	Contact necessary organizations to activate center
				C	Capacity is not exceeded
		2	Provide Resources	A	Adequate space
				B	Adequate supplies
				C	Register/track evacuees
				D	Provide first aid/social services
				E	Availability of appropriate personnel
		3	Follow the Plan	A	Have/follow plan and procedures
				B	Follow the extent of play agreement
				C	Use equipment and procedures
15.1	Ability to Maintain 24-Hour Operations	1	Demonstrate Shift Change	A	Provide a one-for-one shift change for key personnel
				A	Transfer responsibility from one shift to another
		2	Transfer Responsibility	B	Shift staff know roles/responsibilities
				C	Briefing for incoming staff
				D	Maintain continuous operations
		3	Follow the Plan	A	Have/follow plan and procedures
				B	Follow the extent of play agreement
				C	Use equipment and procedures

TABLE A-9 Coding Guide for Associated Objectives

1994 Objective No.	DESCRIPTION	1992 Objective No.	DESCRIPTION
1.1	Initial Characterization of the Accident	1	Chemical Event Classification
		5	Hazard Assessment and Recommendations
1.2	Alert and Notification of Emergency Personnel	2	Alert and Notification
1.3	Facility Activation	2	Alert and Notification
2.1	Classification of Chemical Event Notification Levels	1	Chemical Event Classification
2.2	Agent Detection, Monitoring, and Sampling	5	Hazard Assessment and Recommendations
2.3	Continuing Chemical Event Hazard Assessment	5	Hazard Assessment and Recommendations
3.1	Recommendation of Appropriate Protective Actions	5	Hazard Assessment and Recommendations
3.2	Protective Action Decision Making	6	Protective Action Decisions
4.1	Command and Control	0	Command and Control
4.2	Supplementary Assistance	15	Emergency Supplies and Equipment
5.1	Alert and Notification of the Public	7.A	Alert the Public – Initial Response Zone
		7.B	Alert the Public – Protective Action Zones
		7.C	Alert the Public – Installation
5.2	Public Instructions and Emergency Information	7.A	Disseminate PAR Messages – Initial Response Zone
		7.B	Disseminate PAR Messages – Protective Action Zones
		7.C	Disseminate PAR Messages – Installation
6.1	Communications Systems	4	Communications
6.2	Facilities, Equipment, and Displays	15	Emergency Supplies and Equipment
7.1	Protective Action Implementation for Special Populations	9	Protective Action Implementation

1994 Objective No.	DESCRIPTION	1992 Objective No.	DESCRIPTION
7.2	Protective Action Implementation for Schools	9	Protective Action Implementation
8.1	Traffic and Access Control	9	Protective Action Implementation
9.1	Emergency Public Information - media	8	Public Information
9.2	Public Inquiries	8	Public Information
10.1	Administration of Self-Aid, Buddy Aid, and Initial treatment in a Potentially Contaminated Environment	12.C	Patient Collection Points
11.1	Transportation of Injured, Potentially Contaminated individuals to Medical Treatment Facilities	12.A	Medical Response Activities
12.1	Adequacy of Medical Facility and Health Care personnel in Handling potentially Contaminated Individuals	12.A	Medical Response Activities
		12.D	Initial Treatment and Evacuation
		12.E	Treatment Facilities and Procedures
12.2	Casualty tracking System	12.F	Tracking System
12.3	Handling Contaminated Human Remains	12.B	Identification of Contaminated Patients
		12.H	Contaminated Human Remains
13.1	Emergency Worker Exposure Control	13	Contamination Control (Emergency Workers and Equipment)
13.2	Emergency Worker Decontamination	13	Contamination Control (Emergency Workers and Equipment)
13.3	Security and Accountability	16	Security and Accountability
13.4	Resupply of Chemical Unique Materials	15	Emergency Supplies and Equipment
14.1	Screening Evacuees for Agent Contamination	10	Contamination Control
14.2	Decontamination of Evacuees	10	Contamination Control

1994 Objective No.	DESCRIPTION	1992 Objective No.	DESCRIPTION
14.3	Evacuee Registration	11	Congregate Care
14.4	Congregate Care	11	Congregate Care
15.1	Ability to Maintain 24-Hour Operations	3	24-Hour Staffing
N/A	No Corresponding Objective	12.G	Chemical Alert Roster
N/A	No Corresponding Objective	14	Chemical Event Hazard Mitigation
N/A	No Corresponding Objective	17	Legal

