
**Pacific Northwest
National Laboratory**

Operated by Battelle for the
U.S. Department of Energy

Federal Emergency Management Information System (FEMIS)

System Administration Guide

for

FEMIS Version 1.5

April 26, 2002



Prepared for the CSEPP Office
United States Army Soldier and Biological Chemical Command
under a Related Services Agreement
with the U.S. Department of Energy
under Contract DE-AC06-76RL01830

Acknowledgment

The FEMIS product is being developed by the Pacific Northwest National Laboratory as part of the US Army's Chemical Stockpile Emergency Preparedness Program (CSEPP).

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April 26, 2002

Prepared for the CSEPP Office
United States Army Soldier and Biological Chemical Command
under a Related Services Agreement
with the U.S. Department of Energy
Contract DE-AC06-76RLO 1830

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Preface

The Federal Emergency Management System (FEMIS)^(a) is an emergency management planning and response tool. The following documents were developed to support system users.

This ***FEMIS System Administration Guide*** provides information on FEMIS System Administrator activities as well as the utilities that are included with FEMIS.

The ***FEMIS Data Management Guide*** provides the information needed to manage the data used to support the administrative, user-environment, database management, and operational capabilities of FEMIS.

The ***FEMIS Installation Guide*** provides instructions for installing and configuring the FEMIS software package.

The ***FEMIS Release Notes*** provide a description of what is new in the release and any information specific to this release that was not available when other documents were published.

The ***FEMIS Bill of Materials*** defines FEMIS hardware, software, and communication requirements.

The ***FEMIS Online Help System*** explains how to use the FEMIS program, which is designed to help emergency management personnel plan and respond to a Chemical Accident or Incident (CAI) Event at a military chemical stockpile. For System and Database Administrators, the Troubleshooting Guide consists of error messages and known problems as well as suggestions to resolve these errors and problems.

(a) The FEMIS program is being developed by the Pacific Northwest National Laboratory as part of the US Army Chemical Stockpile Emergency Preparedness Program (CSEPP). Pacific Northwest National Laboratory is operated for the US Department of Energy by Battelle under Contract DE-AC06-76RLO 1830.

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Acronyms and Definitions

ACTS	Automated Computer Time Service
ANAD	Name of a FEMIS database (Anniston Depot)
APR	Project file format (ArcView)
CAI	Chemical Accident or Incident
COTS	Commercial-Off-The-Shelf
CPU	central processing unit
CSEPP	Chemical Stockpile Emergency Preparedness Program
CTOO	Name of a FEMIS database (Tooele County)
D2PC	Chemical wind dispersion model used in FEMIS
DAI	Data Acknowledgment Interface
DBMS	Database Management System
DDN	Data Driven Notification
DEI	Data Exchange Interface
DLL	Dynamic Linked Library
DNS	Domain Name Services
DRAM	Dynamic Random Access Memory
E-mail	electronic mail
EMIS	Emergency Management Information System
EOC	Emergency Operations Center
ESF	Emergency Support Function
ESIM	Evacuation SIMulation, part of Oak Ridge Evacuation Modeling System (OREMS)
FEMIS	Federal Emergency Management Information System
FTP	File Transfer Protocol
GB	gigabyte—billion bytes
GID	Group Identification number
GIS	geographic information system
GMT	Greenwich Mean Time
GPF	General Protection Fault
GPS	Global Positioning System
GUI	Graphical User Interface
HCL	Hardware Compatibility List
IBS	Integrated Baseline System
IDYNEV	Interactive DYNAMIC EVacuation
IANA	Internet Assigned Number Authority
IP	Internet Protocol
KB	kilobyte—thousand bytes
LAN	local area network
MB	megabyte—million bytes
Met	meteorological
MHz	megahertz—millions of cycles per second
NFS	Network File System

NIST	National Institute of Standards and Technology
NTP	Network Time Protocol
ODBC	Open Data Base Connectivity
OLE	Object Linking and Embedding
OREMS	Oak Ridge Evacuation Modeling System
PC	personal computer
PCI	Peripheral Component Interconnect (Intel)
PID	Process Identification number
PNNL	Pacific Northwest National Laboratory
RAM	Random Access Memory
RER	Remote Evacuee Registration
RDBMS	relational database management system
SMTP	Simple Mail Transfer Protocol
SQL	Structured Query Language
SQL script	Sequence of SQL statements that perform database operations
TCP/IP	Transmission Control Protocol/Internet Protocol
TEAD	Name of a FEMIS database (Tooele Army Depot)
TNS	Transparent Network Substrate
UDP	User Datagram Protocol
UID	User Identification number
UNIX	Generic name for the server operating system
UTM	Universal Transverse Mercator
UTST	Name of a FEMIS database (Utah State)
VB	Microsoft Visual Basic
VGA	Video Graphics Array
WAN	wide area network
WINS	Windows Internet Name Service
Windows NT	Microsoft Network Operating System for Workstations
Windows 2000	Microsoft Operating System
WinSock	Windows Sockets
WWV	NIST radio station broadcasting continuous time status