Defense Information Infrastructure (DII)  
Common Operating Environment (COE)  

Software Version Description (SVD)  
for the  
Enhanced Logistics Intratheater Support Tool (ELIST)  
Global Data Segment Version 8.1.0.0  

for Solaris 7  

26 February 2002  

Prepared for:  
Military Traffic Management Command  
Transportation Engineering Agency  
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Newport News, VA 23606  

Prepared by:  
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...
1. Scope

This document is the *Software Version Description (SVD) for the Enhanced Logistics Intratheater Support Tool (ELIST) Global Data Segment*. It contains basic information about the segment.

1.1 Identification

The ELIST Global Data Segment is one of seven segments that make up the DII COE ELIST mission application. The distributed segment software, data, and documentation are *Unclassified*.

Table 1 identifies all the segments of the ELIST mission application. In the table, each segment is given a number by which it may be referenced in this document. The table also gives the name, the segment type (and, if a data segment, the segment scope), the current version number, and the directory name assigned to each segment.

**Table 1. Segments of the ELIST Mission Application**

<table>
<thead>
<tr>
<th>Segment Number</th>
<th>Segment Name</th>
<th>Segment Type / Scope</th>
<th>Version Number</th>
<th>Directory Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>ELIST Global Data Segment</td>
<td>Data / Global</td>
<td>8.1.0.0</td>
<td>ELISTglob</td>
</tr>
<tr>
<td>2</td>
<td>ELIST Database Instance Segment</td>
<td>Data / Segment</td>
<td>8.1.0.0</td>
<td>ELISTdbinst</td>
</tr>
<tr>
<td>3</td>
<td>ELIST Database Fill Segment</td>
<td>Data / Local</td>
<td>8.1.0.0</td>
<td>ELISTdbfill</td>
</tr>
<tr>
<td>4</td>
<td>ELIST Database Segment</td>
<td>Database</td>
<td>8.1.0.0</td>
<td>ELISTdb</td>
</tr>
<tr>
<td>5</td>
<td>ELIST Database Utility Segment</td>
<td>Software</td>
<td>8.1.0.0</td>
<td>ELISTdbutil</td>
</tr>
<tr>
<td>6</td>
<td>ELIST Software Segment</td>
<td>Software</td>
<td>8.1.0.0</td>
<td>ELISTexec</td>
</tr>
<tr>
<td>7</td>
<td>ELIST Reference Data Segment</td>
<td>Data / Local</td>
<td>8.1.0.0</td>
<td>ELISTrefdata</td>
</tr>
</tbody>
</table>

All seven segments have the following identification properties in common:

**Segment Prefix**¹: ELIST  

**Platform(s)**²: Sun/Solaris 7  

**DII COE Versions**: 4.2.0.0P4 or later

All seven of the ELIST segments must be installed before you can use the ELIST mission application.³

Refer to the *Introduction to the DII COE Enhanced Logistics Intratheater Support Tool (ELIST) Mission Application and its Segments: Global Data Segment, Database Instance Segment, Database Fill Segment, Database Segment, Database Utility Segment, Software Segment, and Reference Data Segment* for the following:

¹ Note carefully that all segments have the same prefix. This is not typical of multisegment DII COE mission applications.  
² Implementation of the ELIST segments for PC/Windows NT 4.0 will follow shortly. This documentation covers only the Sun/Solaris 7 platform but will be supplemented or replaced when an implementation becomes available for NT.  
³ To save space, however, the ELIST Database Fill Segment can be removed after successfully installing the ELIST Database Segment.

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• an overview of the mission application and all of its segments in the context of the application;
• considerations applicable to the use of ELIST with classified data;
• the definitions of key concepts and terms used throughout the ELIST documentation;
• a complete list of the available ELIST documentation;
• a brief history of ELIST; and
• basic information pertinent to the client/server configuration and installation of the ELIST segments.

1.2 Segment Overview

Certain data files that record the identity and other properties of the ELIST database instance are accessed by multiple ELIST mission application segments. Because the database server segments (Segments 1–5 in Table 1) and the application client segments (Segments 6–7) can be installed on different machines, the segment that contains these data files must be (in DII COE terminology) a data segment of global scope. It is known as the ELIST Global Data Segment. The installation of this segment places the data files on a shared disk partition, where they are directly accessible to all the ELIST mission application segments (via the LAN and NFS, when the database server segments and the application client segments are indeed installed on different machines).

1.3 Points of Contact

The development of ELIST was sponsored by the Military Traffic Management Command (MTMC) Transportation Engineering Agency (TEA). ELIST was implemented by MTMC-TEA and Argonne National Laboratory (ANL). For administrative and program management support, including the permission that DISA Configuration Management (CM) requires to release the distribution media for the ELIST mission application to prospective users, contact

Doug Barbour, ELIST Project Officer
MTMCTEA
720 Thimble Shoals Blvd.
Suite 130
Newport News, VA
23606-0276
Tel. (757) 599-1663
Fax (757) 599-1564
barbourd@tea-emh1.army.mil
For technical support of a segment-specific (i.e., DII COE-related) nature, contact

Kenneth Dritz, DII COE Integrator
Decision and Information Sciences Division
Argonne National Laboratory
9700 S. Cass Ave.
Argonne, IL 60439-4844
Tel. (630) 252-7217
Fax (630) 252-5128
dritz@anl.gov

For technical support of a more general nature (i.e., related to issues of functionality), contact

Charles VanGroningen, ELIST Project Manager
Decision and Information Sciences Division
Argonne National Laboratory
9700 S. Cass Ave.
Argonne, IL 60439-4844
Tel. (630) 252-5308
Fax (630) 252-6073
vang@anl.gov

1.4 Product Information

Product Qualification: Completed in-house testing

Product Restrictions: Releasable to military organizations (like OSD; Joint Staff; EUCOM, CENTCOM, and other CINCs) and perhaps other government organizations with approval of MTMCOT. Consult Chapter 8 of Army Regulation 5-11 (see citation in Section 2.1.4, below), then contact the ELIST Project Officer at the address given in Section 1.3

Product Dependencies: (none)
2. Referenced Documents

The following other documents are referenced in this document.

2.1 Government Documents

2.1.1 DII COE ELIST Documents


2.1.2 Other DII COE Documents

N/A.

2.1.3 Other ELIST Documents

N/A.

2.1.4 Other Government Documents


2.2 Non-Government Documents

N/A.
3. Version Description

3.1 Inventory of Materials Released

NOTE: See Section 1.4 for Product (i.e., Releasability) Restrictions.

The ELIST Global Data Segment for Solaris 7, Version 8.1.0.0, CM Number 10455, 26 February 2002, is distributed in MakeInstall format on two CDs, one externally labeled “Master” and the other “Backup,” and both externally labeled “ELIST Mission Application Software.” The other segments of the ELIST mission application are distributed on the same CDs.

Documentation for the ELIST Global Data Segment is also distributed on two CDs, one externally labeled “Master” and the other “Backup,” and both externally labeled “ELIST Mission Application Documentation.” Documentation for the other segments of the ELIST mission application is distributed on the same CDs. On these CDs, the documentation pertinent to the ELIST Global Data Segment can be found in the following directories:

- **ELIST directory**
  
  

- **ELISTglob directory**
  - *Software Version Description (SVD) for the Enhanced Logistics Intratheater Support Tool (ELIST) Global Data Segment Version 8.1.0.0*
3.2 Pertinent Documentation

All pertinent documentation is delivered with the segment (see Section 3.1).

3.3 Inventory of Software Contents

The directory structure of the ELIST Global Data Segment, as distributed, can be inferred from the listing of the FileAttribs descriptor file in Appendix A.7.

The segment is a data segment of global scope. It contains directories and data files shared among the segments of the ELIST mission application. There are no executables and no scripts except for the installation and deinstallation scripts.

3.4 Changes Installed

N/A.

3.5 Waivers

See Appendix C.

3.6 Adaptation Data

N/A.

3.7 Installation Instructions

Installation instructions for all the segments of the ELIST mission application can be found in the Installation Procedures (IP) for the Enhanced Logistics Intratheater Support Tool (ELIST) Global Data Segment, Database Instance Segment, Database Fill Segment, Database Segment, Database Utility Segment, Software Segment, and Reference Data Segment.

The computer system resources required by the ELIST Global Data Segment are as follows:

- RAM required: (none)
- Disk space required: 20 KB

The figure given above for the disk space is the amount of storage occupied by the segment just after installation. The space occupied will grow when other ELIST segments write log files and other information into this segment as they are installed or deinstalled, and when the ELIST Database Utility Segment logs the use of its administrative features. The Segment Installer ensures that a modest amount of expansion space (250 KB) is available when the ELIST Global Data Segment is installed.

3.8 Possible Problems and Known Errors

There were no known errors when this document was prepared.
The following possible problem is known to exist:

- The lack of a mechanism in the ELIST Database Utility Segment for resetting the `data/Logs/ELISTdbutil/Maintenance_Log` file of the ELIST Global Data Segment when it grows to a large size, together with the protection against unauthorized alteration or deletion of files or directories in the ELIST mission application, means that extraordinary measures are currently required to reset this log file should its growth cause the `/h/data/global` partition to fill up.

This problem will be solved in a future release by providing a new feature in the ELIST Database Utility Segment to reset the log file that it writes. Until then, an administrator must log in as `root`, edit the log file, delete its contents, and then save it in place. (Do *not* simply delete and reallocate the file, or it will acquire the wrong ownership.) Fortunately, the probability that the `/h/data/global` partition will fill up is low, especially in view of the fact that the `$DISK` descriptor of the ELIST Global Data Segment ensures that a reasonable amount of space for expansion is present in that partition when the segment is installed.
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4. Notes

The ELIST Global Data Segment must be installed on a platform configured as a database server. In the current implementation, that platform must be a Sun workstation. If the system is configured to have an application client platform that is a different machine from the database server, then the /h/data/global directory must be shared on the network between the database server platform and the application client platform. Further information on system configuration can be found in the Installation Procedures (IP) for the Enhanced Logistics Intratheater Support Tool (ELIST) Global Data Segment, Database Instance Segment, Database Fill Segment, Database Segment, Database Utility Segment, Software Segment, and Reference Data Segment.

The following acronyms are (or may be) used in this document.

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANL</td>
<td>Argonne National Laboratory</td>
</tr>
<tr>
<td>CD</td>
<td>Compact Disk</td>
</tr>
<tr>
<td>CENTCOM</td>
<td>Central Command</td>
</tr>
<tr>
<td>CINC</td>
<td>Combined Intelligence Center (as used in this document)</td>
</tr>
<tr>
<td>CM</td>
<td>Configuration Management</td>
</tr>
<tr>
<td>COE</td>
<td>Common Operating Environment</td>
</tr>
<tr>
<td>DB</td>
<td>Database</td>
</tr>
<tr>
<td>DBA</td>
<td>Database Administrator</td>
</tr>
<tr>
<td>DII</td>
<td>Defense Information Infrastructure</td>
</tr>
<tr>
<td>DISA</td>
<td>Defense Information Systems Agency</td>
</tr>
<tr>
<td>DSN</td>
<td>Defense Switched Network</td>
</tr>
<tr>
<td>ELIST</td>
<td>Enhanced Logistics Intratheater Support Tool (DII COE segment prefix)</td>
</tr>
<tr>
<td>ETEdit</td>
<td>ETPFDD Editor</td>
</tr>
<tr>
<td>ETPFDD</td>
<td>Expanded Time-Phased Force Deployment Data</td>
</tr>
<tr>
<td>EUCOM</td>
<td>European Command</td>
</tr>
<tr>
<td>GB</td>
<td>Gigabyte(s)</td>
</tr>
<tr>
<td>HQ</td>
<td>Headquarters</td>
</tr>
<tr>
<td>IP</td>
<td>Installation Procedures</td>
</tr>
<tr>
<td>I&amp;RTS</td>
<td>Integration and Runtime Specification</td>
</tr>
<tr>
<td>LAN</td>
<td>Local Area Network</td>
</tr>
<tr>
<td>KB</td>
<td>Kilobyte(s)</td>
</tr>
<tr>
<td>MB</td>
<td>Megabyte(s)</td>
</tr>
<tr>
<td>MTMC</td>
<td>Military Traffic Management Command</td>
</tr>
<tr>
<td>N/A</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>NFS</td>
<td>Network File System</td>
</tr>
<tr>
<td>NT</td>
<td>New Technology (an Operating System for Microsoft Windows)</td>
</tr>
<tr>
<td>OSD</td>
<td>Office of the Secretary of Defense</td>
</tr>
<tr>
<td>PC</td>
<td>Personal Computer</td>
</tr>
<tr>
<td>POC</td>
<td>Point of Contact</td>
</tr>
<tr>
<td>RAM</td>
<td>Random Access Memory</td>
</tr>
<tr>
<td>RDBMS</td>
<td>Relational Database Management System</td>
</tr>
<tr>
<td>STD</td>
<td>Software Test Description</td>
</tr>
</tbody>
</table>

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STP  Software Test Plan
STR  Software Test Report
SVD  Software Version Description
TEA  Transportation Engineering Agency
Acknowledgements

Argonne National Laboratory is a Federally Funded Research and Development Center operated by The University of Chicago under contract W-31-109-ENG for the United States Department of Energy.

The development of ELIST and the preparation of this document were supported by funding from the Military Traffic Management Command Transportation Engineering Agency of the United States Army.
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6. Documentation Improvement and Feedback

Comments and other feedback on this document should be directed to:

Phone: (630) 252-7217
Fax: (630) 252-5128
Email: dritz@anl.gov
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Appendix A. Contents of the Descriptor Files in the SegDescrip Directory

The contents of the descriptor files in the SegDescrip directory are reproduced in this appendix.

A.1 SegName File

#===================================================================
# SegName descriptor file for the ELIST Global Data Segment
# Segment Prefix: ELIST
# Segment Directory: ELISTglob
#===================================================================

$TYPE:DATA
$NAME:ELIST Global Data Segment
$PREFIX:ELIST
$SEGMENT:COE Component Parent:COE:/h/COE

# Note: The preceding line is needed ONLY to satisfy VerifySeg. It will be
# removed when VerifySeg no longer requires Data segments to name an affected
# segment. The installation of this segment does not change COE in any way.

# END OF FILE

A.2 SegInfo File

# This is the SegInfo descriptor for the ELIST Global Data Segment.
[Data]
$GLOBAL:COE Component Parent:COE:/h/COE

# NOTE: The information after the $GLOBAL keyword in the previous line is
# gratuitous. It is needed only to satisfy VerifySeg and does not provide any
# essential information. COE is not changed in any way by the installation
# of this segment. If the need for this information is dropped in the future,
# this descriptor will be simplified.

[Security]
UNCLASS

[Hardware]
$CPU:SPARC
$DISK:20:250
$OPSYS:SOL
$MEMORY:0

# The following establishes the ELIST file owner account and the groups for
# general and administrative users. It is not repeated in later segments
# that have this segment as a direct or indirect predecessor.

[COEServices]
$GROUPS
elistusr:419
elistadm:420
$PASSWORDS
elistown:418:419:ELIST File Owner://bin/sh

[Direct]
$ROOT:PostInstall

# NOTE: The $ROOT keyword is only needed because the $ExternalData keyword of
# FileAttribs is not implemented, which causes /h/data/global/ELISTglob to be
# given a group id of COE, making it impossible for a user in the elistusr
# group to access /h/data/global/ELISTglob/data after this segment is installed
# and breaking the link from /h/ELISTglob/data to /h/data/global/ELISTglob/data

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A.3 VERSION File

This is the VERSION descriptor for the ELIST Global Data Segment.
8.1.0.0 : 01/07/2002 : 10:41

A.4 ReleaseNotes File

This is the ReleaseNotes file for the ELIST Global Data Segment.

The primary purpose of this segment is to establish directories and the initial contents of certain files that need to be shared among segments of the ELIST mission application. One of these, the Instance_Info file, needs to be shared between segments that reside on the Database Server and segments that reside on the Application Client. Hence, this is a Data segment of Global scope; it will be loaded underneath /h/data/global, which is normally shared on a network.

This segment must be installed on the Database Server platform on which the ELIST Database Instance Segment, the ELIST Database Fill Segment, the ELIST Database Segment, and the ELIST Database Utility Segment will subsequently be installed. That machine is the one on which the Oracle RDBMS (ORAS) has already been installed.

A.5 PostInstall File

#!/bin/sh
# Temporary PostInstall for ELIST Global Data Segment.

chown 418:419 $DATA_DIR/global/ELISTglob

A.6 DEINSTALL File

#!/bin/sh
# This is the DEINSTALL script for the ELIST Global Data Segment.

# Check whether segments that depend on this one have already been deinstalled.
# If not, display a message and abort; the installer should deinstall those segments first. This ensures that they do not remain on the system without the segments on which they depend, which would cause problems if one tried to "use" them. Aborting this deinstall is tolerable here, because there is a clear way to make progress.

# Check the ELIST Database Instance Segment. If found, abort as described above.
if [ "`COEfindSeg 'ELIST Database Instance Segment'" != 'Not Found' ]; then
  MSG=`echo 'The ELIST Database Instance Segment, which depends on the';
  echo 'segment you are trying to deinstall, is still installed.';
  echo 'You must deinstall it before you can deinstall this segment.';
  echo 'Aborting the deinstall.'`
  COEInstError "$MSG" || exit
fi

# There is nothing more to do to deinstall this segment.
exit 0

# END OF FILE

A.7  FileAttribs File

# This is the FileAttribs descriptor for the ELIST Global Data Segment.

$SegDir:750:418:419
$ExternalData:750:418:419
750:418:419:SegDescrip
750:418:419:SegDescrip/DEINSTALL
640:418:419:SegDescrip/FileAttribs
750:418:419:SegDescrip/PostInstall
640:418:419:SegDescrip/ReleaseNotes
640:418:419:SegDescrip/SegInfo
640:418:419:SegDescrip/SegName
640:418:419:SegDescrip/VERSION
640:418:419:SegDescrip/Validated
750:418:419:data
640:418:419:data/Instance_Info
750:418:420:data/Logs
750:418:420:data/Logs/ELISTdb
640:418:420:data/Logs/ELISTdb/Install_Log
640:418:420:data/Logs/ELISTdb/Install_Log.old
640:418:420:data/Logs/ELISTdb/Deinstall_Log
640:418:420:data/Logs/ELISTdb/Deinstall_Log.old
550:418:420:data/Logs/ELISTdbutil
640:418:420:data/Logs/ELISTdbutil/Maintenance_Log
750:418:420:data/Users_When_ELISTdb_Deinstalled
640:418:420:data/Users_When_ELISTdb_Deinstalled/Users_With_The_elist_user_Role
640:418:420:data/Users_When_ELISTdb_Deinstalled/Users_With_The_etpfdd_user_Role
750:418:419:Integ
640:418:419:Integ/IntgNotes
640:418:419:Integ/VSOutput

# END OF FILE

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Appendix B. Contents of the Files in the Integ Directory

The contents of the files in the Integ directory are reproduced in this appendix.

B.1 IntgNotes File

This is the IntgNotes file for the ELIST Global Data Segment.

This submission Version 8.1.0.0 is the initial submission of the segment.

The ELIST Global Data Segment is part of the ELIST mission application. There are six other segments. All seven segments have the same segment prefix (ELIST).

This segment establishes directories and the initial contents of certain files that need to be shared, within the ELIST mission application, between the Database Server platform and the Application Client platform.

Refer to the "Introduction to the Enhanced Logistics Intratheater Support Tool (ELIST) Mission Application and its Segments: Global Data Segment, Database Instance Segment, Database Fill Segment, Database Segment, Database Utility Segment, Software Segment, and Reference Data Segment" for the following:

+ an overview of the mission application and all of its segments in the context of the application;
+ the definitions of key concepts and terms used throughout the ELIST documentation;
+ a complete list of the available ELIST documentation;
+ a brief history of ELIST; and
+ basic information pertinent to the client/server configuration and installation of the ELIST segments.

END OF FILE

B.2 Annotated VSOutput File

Results of verification:
"./ELISTglob":
Totals
------
Errors: 0
Warnings: 0
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Appendix C. Chief Engineer Permissions and Waivers Requested

Chief Engineer Permission Request

SEGMENT DESIGNATION: ELIST Global Data Segment (ELIST)
CM Number: 10455
OPERATING SYSTEM: Solaris 7
MISSION APPLICATION NAME: Enhanced Logistics Intratheater Support Tool
TECHNICAL POC: Kenneth W. Dritz
Decision and Information Sciences Division
Argonne National Laboratory
9700 S. Cass Ave.
Argonne, IL 60439
dritz@anl.gov

APPROVAL REQUESTED FROM: GCSS Chief Engineer
CHECKLIST ITEM: 5-7, Security Services section, “(UNIX) If privileged user permissions are required during segment installation or removal, the Chief Engineer has granted prior approval.”

APPROVAL REQUESTED: To use the $ROOT keyword for this segment’s PostInstall script.

RATIONALE: See the Rationale for the Permission Request associated with checklist item 6-53 for this segment.

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# Chief Engineer Permission Request

<table>
<thead>
<tr>
<th>SEGMENT DESIGNATION:</th>
<th>ELIST Global Data Segment (ELIST)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CM Number:</td>
<td>10455</td>
</tr>
<tr>
<td>OPERATING SYSTEM:</td>
<td>Solaris 7</td>
</tr>
<tr>
<td>MISSION APPLICATION NAME:</td>
<td>Enhanced Logistics Intratheater Support Tool</td>
</tr>
<tr>
<td>TECHNICAL POC:</td>
<td>Kenneth W. Dritz</td>
</tr>
<tr>
<td></td>
<td>Decision and Information Sciences Division</td>
</tr>
<tr>
<td></td>
<td>Argonne National Laboratory</td>
</tr>
<tr>
<td></td>
<td>9700 S. Cass Ave.</td>
</tr>
<tr>
<td></td>
<td>Argonne, IL 60439</td>
</tr>
<tr>
<td></td>
<td><a href="mailto:dritz@anl.gov">dritz@anl.gov</a></td>
</tr>
</tbody>
</table>

**APPROVAL REQUESTED FROM:** GCSS Chief Engineer  
**CHECKLIST ITEM:** 6-8, Standards Compliance section, “The segment is available on all COE-supported platforms unless otherwise approved by the Chief Engineer.”  
**APPROVAL REQUESTED:** To provide this segment only for the Sun/Solaris 7 and PC/NT (or Win2K) platforms. At the present time, only the Solaris 7 version has been registered and implemented, but the Windows version will be registered and implemented in the near future.  
**RATIONALE:** The sponsor, MTMC-TEA, only requires the ELIST mission application to operate on these platforms.
Chief Engineer Permission Request

SEGMENT DESIGNATION: ELIST Global Data Segment (ELIST)
CM Number: 10455
OPERATING SYSTEM: Solaris 7
MISSION APPLICATION NAME: Enhanced Logistics Intratheater Support Tool
TECHNICAL POC: Kenneth W. Dritz
Decision and Information Sciences Division
Argonne National Laboratory
9700 S. Cass Ave.
Argonne, IL 60439
dritz@anl.gov

APPROVAL REQUESTED FROM: GCSS Chief Engineer

CHECKLIST ITEM:
6-53, Segment Descriptors section, “If any files need special permission/ownership settings, they are established through the FileAttribs descriptor if the descriptor supports the required setting. Exceptions to this are documented and approved by the Chief Engineer.”

APPROVAL REQUESTED:
To use a mechanism other than FileAttribs to establish an ownership setting, because FileAttribs does not support setting the ownership of a file outside the segment. The setting is established in PostInstall.

RATIONALE:
The /h/data/global/ELISTglob directory (which is created by the Segment Installer because the ELIST Global Data Segment is a data segment of global scope, and which is inexplicably given an ownership of COE:COE by the Segment Installer) must have an ownership of elistown:elistusr(418:419, as registered by the ELIST segments). This ownership is needed for scripts in other ELIST segments, which are executed by members of the elistusr group, to access this directory via $DATA_DIR, in accord with Requirement 7-32. Since the directory is external to the ELIST Global Data Segment, the only way to use the FileAttribs descriptor to establish the required ownership is to use the $ExternalData keyword in that descriptor, which presumably affects this particular directory. However, the Segment Installer in 4.2.0.0P4 does not implement the $ExternalData keyword. The setting must therefore be established in PostInstall; furthermore, PostInstall must run as root because the UID under which it would otherwise run is not that of the directory whose ownership it needs to change. When $ExternalData is implemented, it will be

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possible to dispense with PostInstall, discard the $ROOT keyword, and drop both this Permission Request and the one associated with checklist item 5-7 for this segment.
Documentation Waiver Request

SEGMENT DESIGNATION: ELIST Global Data Segment (ELIST)
CM Number: 10455
OPERATING SYSTEM: Solaris 7
MISSION APPLICATION NAME: Enhanced Logistics Intratheater Support Tool
TECHNICAL POC: Kenneth W. Dritz
Decision and Information Sciences Division
Argonne National Laboratory
9700 S. Cass Ave.
Argonne, IL 60439
dritz@anl.gov

DOCUMENTATION AFFECTED: Installation Procedures (IP)
REQUEST: To combine the Installation Procedures (IP) document for this segment with those of the other ELIST segments.

RATIONALE: The installation and deinstallation of this segment are intimately related to those of the other six segments of the ELIST mission application, and all seven segments must be installed to use the features of ELIST. Certain steps must be taken, and certain choices considered, to prepare for the installation of these segments, and certain special requirements come into play between the installation of individual segments or when segments are deinstalled and replaced with later versions. For all these reasons, as well as to allow installation guidelines common to all the segments to be expressed in one place and to allow for helpful cross-referencing between the installation (or deinstallation) instructions of one segment and those of another, the roles and functions of the IP documents normally associated with the seven segments individually have been combined into a single IP document. All the information that would have been provided in seven separate IP documents is available in this one document. There are clearly identified sections for each segment. This organization of the material is believed to be uncommonly helpful to the end user (the installer).

MITIGATION STRATEGY: Because much would be lost by conforming rigidly to the one-IP-per-segment expectation, there are no plans to do so.
Documentation Waiver Request

SEGMENT DESIGNATION: ELIST Global Data Segment (ELIST)
CM Number: 10455
OPERATING SYSTEM: Solaris 7
MISSION APPLICATION NAME: Enhanced Logistics Intratheater Support Tool
TECHNICAL POC: Kenneth W. Dritz
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DOCUMENTATION AFFECTED: Software Test Plan (STP), Software Test Description (STD), and Software Test Report (STR)
REQUEST: To combine the Software Test Plan (STP), Software Test Description (STD), and Software Test Report (STR) documents for this segment into a single combined Software Test Plan/Description/Report (STP/STD/STR) document, and furthermore to combine the STP/STD/STR document for this segment with those of the other ELIST segments.

RATIONALE: Several of the ELIST segments are passive (data) segments for which the only appropriate test is the verification that the segment appears in the Segment Installer’s list of currently installed segments after installation. The installation and deinstallation testing of other segments involves verification that PostInstall and DEINSTALL behave as anticipated when interacting with the system administrator. Functional testing of the two software segments benefits from a carefully orchestrated order of testing, so that verified features can be used to verify other features. For all these reasons, and because there is really only one Software Test Plan for the entire ELIST mission application, it makes eminent sense to combine several manuals as described in the Request. All the information that would have been presented in separate documents is available in the combined document, with a minimum of repetition. This organization recognizes the essential unity of the ELIST mission application and the uselessness of individual ELIST segments except in the context of the mission application as a whole.

MITIGATION STRATEGY: It is not practical or useful to conform to the rigid document guidelines concerning the STP/STD/STR documents, and there are no plans to do so.

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