CONFIGURATION MANAGEMENT

SOFTWARE AND DOCUMENTATION

DELIVERY REQUIREMENTS

Version 3.0
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This document is **UNCLASSIFIED** in its entirety

Prepared for and by:

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The purpose of this document is to define the process and material requirements for documentation and software deliveries made to the Defense Information Systems Agency (DISA), Center for Integration (CFI), Configuration Management (CM) Division at the Operational Support Facility (OSF) location in Sterling, Virginia. The CFI currently provides support to two major joint programs where DISA is the Executive Agent (EA). They are the Defense Information Infrastructure (DII) Common Operating Environment (COE) and the Global Command and Control System (GCCS) programs. Programs such as the Global Combat Support System (GCSS) and the Electronic Commerce/Electronic Data Interchange (EC/EDI) are supported out of the DISA COOP Test Facility (DCTF) in Slidell, Louisiana, and have their own set of delivery requirements.

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**CONFIGURATION MANAGEMENT
SOFTWARE AND DOCUMENTATION
DELIVERY REQUIREMENTS**

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NOTE: Questions concerning this document should be addressed to DISA/JIEO/JEJE, ATTN: Configuration Management Division, at the address shown on the front of the document. The Configuration Management Division can also be reached via unclassified e-mail on the NIPRNET/Internet at cm@ncr.disa.mil or by secret-level e-mail on the SIPRNET at cm@osf.disa.smil.mil. Questions for the DII COE Engineering Office should be sent to the unclassified coeengr@ncr.disa.mil e-mail address. Questions for the GCCS Engineering Office can be sent to the unclassified gccseng@ncr.disa.mil e-mail address.

CONFIGURATION MANAGEMENT
SOFTWARE AND DOCUMENTATION
DELIVERY REQUIREMENTS

1 Purpose

The purpose of this document is to define the process and material requirements for documentation and software deliveries made to the Defense Information Systems Agency (DISA), Center for Integration (CFI), Configuration Management (CM) Division at the Operational Support Facility (OSF) location in Sterling, Virginia. The CFI currently provides support to two major joint programs where DISA is the Executive Agent (EA). They are the Defense Information Infrastructure (DII) Common Operating Environment (COE) and the Global Command and Control System (GCCS) programs. Programs such as the Global Combat Support System (GCSS) and the Electronic Commerce/Electronic Data Interchange (EC/EDI) are supported out of the DISA COOP Test Facility (DCTF) in Slidell, Louisiana, and have their own set of delivery requirements.

This document supersedes all previous versions. All memorandums relating to delivery requirements are also superseded by this document.

Documentation and software deliverables must be approved and sanctioned by the cognizant engineering authority, either the DII COE Engineering Office or the GCCS Engineering Office, prior to scheduling a delivery meeting to the CFI.

Deliveries not made in accordance with this document are subject to being immediately rejected by the CM Division at the time of delivery.

2 General Delivery Requirements

Deliveries to the CFI may consist of documentation, software, or both. Documentation will include general policy documents such as the *DII COE Integration and Runtime Specification (I &RTS)*, the *DII COE Software Requirements Specifications (SRSs)*, and the *GCCS System and Network Management Concept of Operations* as well as segment related documents such as Installation Procedures (IPs) or Software Version Descriptions (SVDs). Software will include, but is not limited to, source code, the DII COE kernel via DISA developers, the DII COE applications, the GCCS mission applications, test data, and the kernels supplied by the DII COE Kernel Platform Certification (KPC) Program. This document and its references ensure deliveries made to the CFI are done in a standardized, accountable way so the DISA CM Division can maintain the vast library of documentation and software entities.

It is vitally important that deliveries of software and documentation to the CM Division are properly identified with the program for which they are being delivered. The GCCS Chief Engineer has stated that GCCS products must not specify the DII COE on their cover pages or

labels. Likewise, DII COE developers should not place GCCS on their cover pages or labels. Anyone unsure of which program their delivery applies to should contact either of the engineering offices for clarification.

Unlimited distribution of this entire document is authorized. The document will be posted on both the DII COE HomePage (unclassified only) and the GCCS HomePages (unclassified and secret).

3 Documentation Delivery Specifications

3.1 General Guidance

This section describes the requirements for documentation deliveries. Documents delivered to the CFI fall into one of two categories. The first category contains those documents being delivered that are programmatic in nature and have no associated software applications. An example of this would be the *DII COE I&RTS*. The second category is software documentation.   Every piece of software, whether it is a kernel, a segment, or source code has a set of associated documentation. Software may be delivered without the entire set of associated documentation provided a waiver has been obtained from the cognizant Chief Engineer. Section 6 further describes the waiver process. The following paragraphs provide the minimum requirements for documentation deliveries.

3.2 DII COE Developer Documentation Requirements (DII COE DDR)

Developers of DII COE software will adhere to an additional set of developer documentation requirements beyond those identified in this document. Those requirements are found in the current version of the *Defense Information Infrastructure (DII) Common Operating Environment (COE) Developer Documentation Requirements (DDR)*.

The DII COE DDR establishes the requirements for the type, content, and format of all documentation required by contract or other binding agreement to be submitted with the delivery of DII COE software. The documentation requirements were derived, in part, from MIL-STD-498 *Software Development and Documentation*, dated 5 December 1994, and customized for DII COE documentation. It is the purpose of the DII COE DDR to define a set of requirements for DII COE documentation applicable to all DII COE developers that will achieve useful, well-organized, and usable DII COE documents. It is also intended to result in documentation that is consistent in the location, content, and presentation of information regardless of the documents origin.

The following list of documents are those specified in the DII COE DDR. These are required by the DII COE Engineering Office for DII COE software deliveries unless the particular document has been specifically waived. The documents are:

- Software Version Description (SVD)

- Installation Procedures (IP)
- System Administrator≈s Manual (SAM) Note 1
- User≈s Manual (UM) Note 1
- Programmer≈s Manual (PM) Note 1
- Application Program Interface Reference Manual (APIRM) Note 1
- Software Product Specification (SPS) Note 2
- Database Design Document (DBDD) Note 3
- Software Test Plan (STP)
- Software Test Description (STD)
- Software Test Report (STR)
- Software Design Description (SDD) Note 2
- Interface Design Document (IDD) Note 2
- Errata Sheet (ES) Note 2

Note 1: If the segment being delivered is a COTS product, then the developer must deliver a copy of the manufacturer's documentation which provides the equivalent information.
Note 2: At Government Request. This document is to be delivered at the request of the cognizant Chief Engineer.
Note 3: Required if segment being delivered is a database segment.

The Delivery Checklist, contained in Appendix B, is based in part on the complete list of documentation required by the DII COE DDR. On delivery of any software, to be discussed in detail in Section 5, the developer will provide a completed checklist which will indicate the status of each and every document. It is mentioned here to draw the reader≈s attention to the waiver process described in Section 6 since every document must be accounted for. However, not all documents listed may pertain to or be required for the software being delivered. Some documents are automatically waived for certain types of software.

In the case of a discrepancy or conflict between this document and the DII COE DDR, the DII COE DDR will take precedence for all DII COE software documentation deliveries. Should clarification be required the DII COE Engineering Office can be contacted via unclassified e-mail at: coeengr@ncr.disa.mil. The DISA CM Division should be courtesy copied on all e-mail correspondence at cm@ncr.disa.mil.

3.3 GCCS Developers Adherence to the DII COE DDR Requirements

The GCCS Chief Engineer directs that developers of GCCS mission application software are required to adhere to the developer documentation requirements identified in the DII COE DDR. Thus, the DII COE and GCCS documents will parallel each other.

In the case of a discrepancy or conflict between this document and the DII COE DDR, the DII COE DDR will take precedence for all GCCS mission software documentation deliveries. Should clarification be required, GCCS mission application developers should submit their

request through the GCCS Engineering Office to the DII COE Engineering Office. The DISA

CM Division should be courtesy copied on any e-mail correspondence at cm@ncr.disa.mil.

3.4 DII COE Kernel Platform Certification (KPC) Program Additional Unique Documentation Requirements

Developers submitting DII COE kernels to the CFI under the auspices of the DII COE Kernel Platform Certification Program will adhere to the DII COE DDR. However, additional documents will be required from developers besides those specified in the DII COE DDR. These additional documents are identified in the *Defense Information Infrastructure (DII) Common Operating Environment (COE) Kernel Platform Certification Program* document, current version. As an example, two additional documents required by the KPC Program are the *DII COE Kernel Platform Certification Application Form* and the *Government Supplied Kernel Software (GSKS) Build Document*.

Should clarification or additional information be required concerning the KPC Program, please contact the DII COE Engineering Office. Address comments and/or concerns to:

Mr. Fritz Schulz   unclassified email: schulzf@ncr.disa.mil
DISA/JEXF   phone: (703) 681-2350
DII COE Kernel Platform Certification Program   fax: (703) 681-2813
5600 Columbia Pike
Falls Church, VA 22041

3.5 Physical Document Delivery Requirements

3.5.1 Printed (Hard Copy) Requirements

When a hardcopy of a document is required for the delivery, the developer shall provide one (1) single-sided, unbound document of good quality that is reproducible. This requirement applies to all government and contractor produced documentation. For deliveries of COTS documentation, associated with segmented COTS applications, the one hard copy is acceptable in the form and style normally produced by the COTS vendor for the distribution with their commercial product.

There is a significant difference between the hard copy requirements of the DII COE Engineering Office and the GCCS Engineering Office. For documents required for a delivery, i.e., those not waived, the following table provides the listing of which hard copy documents are required.

Document	DII COE	GCCS
Delivery Letter	Required	Required

Delivery Checklist	Required	Required
Installation Procedures (IP) *DII COE Only*	Required	
Software Version Description (SVD)	Required	Required
System Administrator₌s Manual (SAM)	Required (Note 1)	
User₌s Manual (UM)	Required (Note 1)	
Software Product Specification (SPS)	Required (Note 2)	
Database Design Document (DBDD)	Required (Note 3)	
Software Test Plan (STP)	Required	
Software Test Description (STD)	Required	
Software Test Report (STR)	Required	
Application Program Interface Reference Manual (APIRM)	Required (Note 1)	
Programmer₌s Manual (PM)	Required (Note 1)	
Software Design Description (SDD)	Required (Note 2)	
Interface Design Document (IDD)	Required (Note 2)	
Errata Sheet (ES)	Required (Note 2)	
GCCS Segment Release Bulletin (SRB) *GCCS Only*		Required
DII COE Kernel Platform Certification Application Form *KPC Only*	Required	
Government Supplied Kernel Software (GSKS) Build Document *KPC Only*	Required	
Printouts of the contents of the *SegName* and *Version* Descriptor Files	Required	Required
Intellectual Property Rights Agreement Attachment	Required	Required
COTS Vendor Y2K Compliance Attachment	Required	Required

Table 1: Printed (Hard Copy) Requirement

Note 1: If the segment being delivered is a COTS product, then the developer must deliver a copy of the manufacturer's documentation which provides the equivalent information.
Note 2: At Government Request. This document is to be delivered at the request of the cognizant Chief Engineer.
Note 3: Required if segment being delivered is a database segment.

3.5.2 Electronic (Soft Copy) Requirements

The delivery shall include one (1) electronic copy of each document. For government and contractor produced documentation the media may be 3 **2**" floppy diskettes, CDROMs, or ZIP drive diskettes. The choice of media for COTS documentation depends on what the COTS vendor ships as the standard media for its commercial base. For diskettes, CDROMs, and ZIP drive diskettes that contain multiple documents, an ASCII text file called *toc.asc* must be included on each media which describes the media₌s contents by path, filename, and a brief description for

each entry, and the CM number associated with each entry. The *toc.asc* requirement does not apply to COTS documentation media.

The electronic (soft copy) documentation file format requirements differ between the DII COE Engineering Office and the GCCS Engineering Office. The DII COE Engineering Office requires that Microsoft Word, Version 6.0, be used for all DII COE documentation. The GCCS Engineering Office has authorized the use of both Microsoft Word, Version 6.0, and Corel Word Perfect, Version 6.1, at the discretion of the GCCS developer. Documents created on non-IBM compatible platforms must be readable in the above specified format. In all cases the file extensions for the word processing documents must be either **A**doc**@** for Microsoft Word documents or **A**wpd**@** for Word Perfect documents. Providing additional soft copies of documentation in Portable Document Format (PDF) and/or Hypertext Markup Language (HTML) format is optional though highly encouraged. If documents are provided in HTML format then they must be in HTML, Version 3.2. The following table provides a breakdown of the file format types.

Acceptable Document Formats	DII COE	GCCS
Microsoft Word, Version 6.0 (file extension must be .doc)	Required	Developer Choice
Corel Word Perfect, Version 6.1 (file extension must be .wpd)	Not Authorized	Developer Choice
Portable Document Format (PDF)	Optional	Optional
Hypertext Markup Language (HTML), Version 3.2	Optional	Optional

Table 2: Electronic (Soft Copy) File Format Requirements

A media may contain multiple documents. Self-extracting files (.EXE) are permissible but there may only be one document per compressed instance. Multiple compressed documents per media are allowed. All soft copies of COTS documentation may be submitted in the word processor version the COTS vendor ships as the standard for its commercial base. Please state on the delivery checklist which word processor/version was used for the COTS softcopy documentation.

For soft copies of government or contractor produced documents, which are delivered one per diskette, each media label shall contain, at a minimum, the following information:

Segment/Program Name/Version Number:
Document Title:
Version Number:
Filename:
Material Date:
Security Classification:
CM Number:

The program name will be DII COE, GCCS, or GCCS-T. For GCCS and GCCS-T deliveries, the Program Version Number will be the targeted GCCS release. For example, GCCS 3.0, GCCS

3.1, etc. Individuals submitting DII COE documentation should leave the Program Version Number blank. The Security Classification marking must be in bold font.

Documents too large to fit on one media may be compressed onto multiple media, in which case the media labels must identify the media according to the sequence in which they will be loaded. In such cases, after identifying the filename, the developer will include the sequence number. For example, 1 of 3. Below is an example.

> Segment/Program Name/Version Number:
> Document Title:
> Version Number:
> Filename:
> Sequence: N of M
> Material Date:
> Security Classification:
> CM Number:

Multiple documents are allowed on one diskette for soft copies of government or contractor produced documents. However, to use this packaging approach, all documents on the diskette must pertain to the same software segment. For diskettes which contain more than one document per diskette, each media label shall contain, at a minimum, the following information:

> Program Name/Version Number:
> Segment Name:
> Version Number:
> Document Short Titles: (e.g. SVD, IP, APIRM, etc.)
> Filename: Internal to media in *toc.asc* file
> Material Date:
> Security Classification:
> CM Number: Internal to media in *toc.asc* file

One of the key differences of the multiple documents per diskette packaging approach is the segment name must be the second item labeled. A second difference is only the abbreviated short names of the document titles will be used. This short names can be found in paragraph 3.2. of this document. When the multiple documents per diskette approach is used they must all have the same word processor version, Material Date, and Security Classification. The CM numbers are not listed on the media label since they are internal to each of the documents.

For either case identified above, single or multiple documents per diskette, if a compression utility is used or if there are special decompression instructions, they must be included on the media in a separate file in ASCII format (e.g., *readme.txt*).

COTS documentation software media will be accepted with the vendor=s standard commercial media label.

The following two examples are of government or contractor produced media labels for diskettes containing only one document. The correct labeling would be:

> Program/Version: DII COE
> Document Title: Software Requirements Specification

(SRS) for the Network Management (NM) Functional
Area of the DII COE,
Version: 2.0
Filename: NETSRS20.DOC
Material Date: 19970708
Security Classification: **UNCLASSIFIED**
CM Number: CM-400-260-01

Program/Version: GCCS 3.0
Document Title: Software Requirements Specification
(SRS) for Airfields Database Segment
Version: 1.4
Filename: AIRDBSEG.WPD
Material Date: 19980103
Security Classification: **UNCLASSIFIED**
CM Number: CM-220-210-57

The second example shown below is of a government or contractor produced diskette label where the diskette contains five different documents associated with the same software segment. The correct labeling would be:

Program/Version: GCCS 3.1
Segment Name: TESTAPP3
Version Number: 3.2.5.0/11.25c
Document Short Titles: SVD, IP, STP, STD, and STR
Filename: Internal to media in *toc.asc* file
Material Date: 19971605
Security Classification: **UNCLASSIFIED**
CM Number: Internal to media in *toc.asc* file

4 Software Delivery Specifications

4.1 General Guidance

The DISA CM Division at the CFI receives a variety of software for both the DII COE Engineering Office and the GCCS Engineering Office. The form and structure of the software is dictated by the direction laid out in the DII COE I&RTS which provides detailed information concerning the foundation for the various types of software deliveries. The following abbreviated sections break down the software deliveries into the various forms so a developer making a delivery better understands the software delivery requirements. Consult the I&RTS if further technical information is required. The following sections apply to both DII COE and GCCS software submissions.

4.2 Source Code Deliveries

Source code delivered to the CFI will come from a variety of developers. One type of submission will be the kernel source code which is delivered to the CFI by the developer under contract with the DII COE Engineering Office. This delivery will be in the form of a *tar* file. Another set of source code submission will come from vendors participating in the Kernel Platform Certification

Program. These submissions will also be in *tar* format. Another set of source code will come from the developers of the various government-off-the-shelf (GOTS) and COTS segments used by the DII COE or GCCS Engineering Offices. These submissions must be in *segmented* form with the source code being made available in the segment itself. The DII COE I&RTS identifies the subdirectory structure to be used by every DII COE compliant-segment. For some applications, the source code must be included within the segment because of shareware and freeware licensing issues associated with the segment. For both GOTS and COTS DII COE segments, the DII COE Engineering Office may send the source code software out to a third party, independent testing organization for software quality assurance testing. The GCCS Engineering Office may do the same for GCCS mission applications. Questions concerning source code deliveries should be directed to the appropriate DII COE or GCCS Engineering Office.

All source code deliveries must include an Intellectual Property Rights (IPR) agreement at the time of submission. The IPR will be maintained by the DISA CM division. It will be used by the appropriate DII COE or GCCS Engineering Office in determining the extent of releasability of the source code. If the developer of the application or segment being delivered claims there is no IPR, an agreement must still be submitted stating the code in question is freely distributable. Questions concerning IPR agreements should be submitted to the DII COE Engineering Office via the DISA CM division.

4.3 Kernel Deliveries

Kernel deliveries will come from either the developer under contract with the DII COE Engineering Office or from vendors participating in the Kernel Platform Certification Program. These deliveries will be in the form of a *tar* file in kernel installation format.

4.4 Tool Deliveries

Individual tools and tool kits used in the DII COE environment are created for two different uses: developmental and runtime. The developmental tools can be used in a non-DII COE compliant environment. The runtime tools are used within the DII COE environment. Both of these families of tools must be delivered in *MakeInstall* format from the developer. This is a change from past practices where the developmental tools were not segmented.

4.5 UNIX-based Segments

All UNIX-based segments will be delivered in *MakeInstall* format from the developer. DII COE UNIX-based segments may be submitted with or without using compression. All GCCS mission application UNIX-based segments will be submitted without using compression. Each delivery of electronic media shall include on the hard copy the exact command string entered for its creation and identification of the operating system used to create the electronic media.

Developers must run their segments through the *VerifySeg* tool prior to creating the tapes used for delivery to the DISA CM Division. Only a verified segment can be delivered to DISA CM Division. The creation of installable segments using the MakeInstall tool will be done by DISA CM Department staff.

4.6 NT-based Segments

NT-based segments can be created using two different approaches. In the first, the full segmentation methodology is followed as identified in the I&RTS. The second approach uses an abbreviated process used solely for COTS applications in the NT environment. The abbreviated approach does not apply to GOTS software. In the abbreviated approach, the executables of the application are not contained within the segment. Instead the COTS software is loaded on the DII COE compliant NT workstation from the commercial vendor supplied media. The DII COE segment for the application software is then loaded also. This dual loading ensures the NT Registry and the DII COEInstaller remain synchronized on the DII COE compliant NT workstation. The two sections below identify the software delivery requirements for both types of NT segments.

4.6.1 Full NT Segmentation

All NT-based segments created using the full segmentation method will be delivered in *MakeInstall* format from the developer. Prior to creating the *MakeInstall* diskette the developer must run the segment through the *VerifySeg* tool. In the case of these deliveries there is no need for the DISA CM Division staff to create installable segments. They are received this way from the vendor already.

4.6.2 Abbreviated NT Segmentation

NT-based segments created using the abbreviated segmentation approach are also delivered to the DISA CM Division in *MakeInstall* format. Engineers, testers, integrators, and CM personnel must exercise caution though and realize the segment will actually contain no COTS application executables. The segment will only contain the segment descriptor file information. Freeware or Shareware that requires the source code to be distributed with the application cannot use the abbreviated segmentation method. Again, please remember the COTS software is loaded on the DII COE compliant NT workstation from the commercial vendor supplied media.

4.7 Software Media Labeling Requirements

4.7.1 Acceptable Software Media Formats and Quantity

The developer shall supply one (1) MASTER and one (1) BACKUP copy of software on the appropriate electronic media. The required media is identified in the table below.

	Type of Software		
	Government or Contractor Produced		Vendor Produced
Operating System	**GOTS Media Requirement**	**COTS-Related Media Requirement -** Note 1	**COTS Media Requirement**
Solaris (current version)	8mm tape or CDROM Note 2	8mm tape or CDROM Note 2	8mm tape, 3 2" diskette, or CDROM - Note 2
HP-UX (current version)	4mm tape or CDROM Note 2	4mm tape or CDROM Note 2	4mm tape, 3 2" diskette, or CDROM - Note 2
NT (current version)	3 2" diskette or CDROM	3 2" diskette or CDROM	3 2" diskette, or CDROM
Others	Note 3	Note 3	Note 3

Table 3: Acceptable Software Media Format Requirements

Note 1: This column refers to DII COE specific documentation that is produced to support a segmented COTS application being delivered to the CFI. If further clarification is required, contact the DII COE Engineering Office.

Note 2: It is recommended that developers use 112m-length tapes for 8mm media deliveries and 90m-length tapes for 4mm media deliveries.

Note 3: Please contact the DISA CM Division for guidance on the proper media to be used for other operating systems. The DISA CM Division will coordinate with the DII COE Engineering Office and provide a response back to the developer. This area will mostly affect those vendors participating in the Kernel Platform Certification Program.

4.7.2 Labeling Format Requirements

External media volume labels shall be typed or printed legibly. The following information will be identified on the label:

```
Software name:
Version/Patch Number:
Media Number: (1 of 2, 2 of 2, etc.):
MASTER or BACKUP copy:
Material Date: (YYYYMMDD format):
Procedure used to create media: (tar, MakeInstall, diskcopy, etc.)
Operating System: (Solaris 2.5.1, HP-UX 10.20, NT 4.00, etc.)
Program Name/Version: (DII COE, GCCS 3.0, GCCS 3.1, etc.  Note: Do not use a DII COE Version Number)
Security Classification: (Unclassified, FOUO, Confidential, Secret, Top Secret, etc.  Note: The classification must be in bold font.)
Type media (4mm, 8mm, 3 2" diskette, CDROM, etc.)
CM Number:
```

The following is an example of a properly designed external media label:

```
Software: TSTAPP
Version: 3.5.2.2P3/12.0.5a
Media Number: 1 of 1
MASTER
Material Date: 19970821
Procedure: MakeInstall
OS: Solaris 2.5.1
Program: DII COE
Security Classification: Unclassified
Type media: 8mm
CM Number: CM-123-123-01
```

Multiple files, segments, and scripts may be combined on the same media. It is also permissible to have both client and server segments on the same tape. Internal media labels shall contain the same information as the external media label. For media containing multiple entries, the software/segment name, version number, and CM numbers will not be included on the label. Instead, the CM Delivery Letter for one of the entries will be cross referenced. The Subject, the Version Number, and Date of the CM Delivery Letter must be identified.

The following is an example of a properly designed external media label that contains multiple segments within the media:

```
CM Delivery Ltr: TAPP1SV, Ver: 3.2.0.4/23.5b, 19980104
Media Number: 1 of 1
MASTER
Material Date: 19970821
Procedure: tar
OS: HP-UX 10.20
Program: DII COE
Security Classification: Unclassified
Type media: 4mm
```

Note: When multiple segments are combined on one media, they must have the same Material Date, Procedure, OS, Program, and Security Classification. The font used for media labels must not be smaller than 8 point (1/9 inch).

4.8 Year 2000 (Y2K) Compliance

As the year 2000 draws closer, more and more emphasis is being placed on Year 2000 (Y2K) compliance. DOD has based Y2K compliance on two main criteria. First, will the applications continue to process date data accurately as we approach and continue into the next millennium? Secondly, is the DOD standard date format (i.e. YYYYMMDD) used? Both criteria must be satisfied to be Y2K compliant.

The DII COE is built on top of a variety of different operating systems. The proper software engineering approach is to make all of the date/time calls to the underlying services contained within the operating system. The goal of the DII COE Engineering Office is for the DII COE to operate on vendor-supplied Y2K compliant operating systems by DII COE Version 3.3 which is slated for release on 3 April 1998. The assumptions that the operating systems will be Y2K

compliant are based on information currently obtained from the vendors≡ web sites.

Information will be gathered from the Delivery Letter to help the DISA CM Division track the status of Y2K compliance for DII COE kernel and COE segments. Additional information concerning Y2K can be found on either the DII COE or GCCS HomePages.

5 Delivery Instructions

5.1 Registration of Segments

The segment registration process is accessible via the unclassified DII COE or GCCS home pages (See paragraph 8 for web site addresses). Developers are required to register all new segment prefix codes in accordance with the I&RTS. For GCCS and DII COE new segments, developers are requested to register supporting data regarding the application/system being proposed. The developers will need to register Group IDs and IP (TCP/UDP) Sockets required by a segment. The I&RTS (Appendix D & E) provides guidance on registering new segments. Consult the Configuration Management web pages for accessing DISA on-line registration services. Once registered, either the GCCS or DII COE Engineering Offices, as appropriate, will verify that the submission is authorized and resolve any conflicts that exist. The developers will ensure that registration information is maintained current to coincide with scheduled deliveries of segments.

5.2 Scheduling Deliveries

It is best to schedule deliveries as soon as possible through the DISA CM Division but no later than seven (7) days in advance. However, the DISA CM Division will attempt to accommodate deliveries within the seven day window if scheduling allows and the cognizant engineering office approves. When scheduling a delivery, the developer needs to go to the Delivery and Scheduling System of the On-Line Databases link from the Configuration Management page of either the unclassified DII COE or GCCS home pages and go through the scheduling process. Developers will have the ability to modify (select another time and/or date) their scheduled delivery entries as necessary. Once you have selected and scheduled a desired date and time for the delivery, the developer owns that time slot and no one else can schedule into that same date and time. However, the developers will be unable to modify their scheduled deliveries within 48 hours of the appointment.

5.3 Preassignment of CM Numbers

Developers are required to obtain CM numbers for their documentation and software prior to scheduling a delivery. For documentation, this ensures the hardcopy and softcopy versions will have the same CM number. For software deliveries, this allows the developer to have the CM numbers for inclusion on the media labels. The CM Divison Librarian will provide the appropriate CM numbers for the delivery based on the receipt of the following items.

1. The Delivery Letter
2. The Delivery Checklist

3. Each Document Cover Page
4. Each Media Label

Developers are requested to fax this information to the DISA CM Division, Attention: CM Librarian, unclassified fax at (703) 735-8504 (primary) or (703) 735-8766 (secondary). Please call (703) 735-8739 to alert the CM Librarian that a fax is inbound. The request for CM numbers should be made as early as possible prior to delivery to facilitate the ease of the delivery meeting. All requests should be made a minimum of three working days prior to the CM delivery. Otherwise, the CM Division Librarian may not have sufficient time to review, assign. and return the appropriate CM numbers. The information will be returned to the originator via fax. The developers are requested to identify Point-of-Contact (POC), telephone number, and their fax number(s) on the fax cover page.

A delivery will be rejected during the delivery meeting if the delivered documentation and media does not exactly match the title and date information previously submitted during the CM number preassignment process. The delivery can also be rejected if the segment name and/or segment prefix do not exactly match the printout from the *SegName* and *Version* descriptor files provided during the delivery meeting. The developers are required to bring the CM Division faxed CM Number(s) notification page(s) to the delivery meeting should verification or clarification be required.

5.4 Delivery Letter Requirements

A Delivery Letter shall accompany all documentation and software deliveries to the DISA CM Division at the CFI. The delivery letter provides sufficient information to allow future cross-referencing for tracking and accountability purposes for all items being delivered. The instructions for filling out the delivery letter and a template are contained in Appendix A. One (1) copy of the delivery letter is required at the time of delivery.

5.5 Delivery Checklist Requirements

One (1) copy of a completed Delivery Checklist will be required for each segment being delivered. The Delivery Checklist ensures that all items required at a delivery are accounted for. A Delivery Checklist is not required for programmatic documentation-only deliveries. Software developers can find instructions for filling out the delivery checklist and template in Appendix B.

5.6 Temporary Licenses for Test, Integration, and Evaluation Purposes

5.6.1 COTS Application Licensing Requirements

Three (3) software licenses are required for each application delivery. Two are used at the CFI to allow the Test and Evaluation Division and the Product Integration Division to legally run each COTS segment submitted. The third software license will be maintained by the cognizant engineering office for use with their Y2K test support organizations. This software license

requirement also includes those applications being submitted in the abbreviated NT segmentation format. These licenses are used to perform DII COE compliance testing, functional testing, problem report verification testing, Y2K evaluations, and GCCS mission application integration testing.

The licenses may be either standard commercial runtime license with or without internal license keys or temporary/demonstration licenses. The time limits and host requirement of either type of license must be explicitly identified. If host information is required by the developer prior to obtaining the necessary licenses, please contact the cognizant engineering office for assistance. Three licenses must be included in the delivery for every new first-time COTS segment delivery or for an upgraded COTS version segment delivery. All licenses are maintained and accounted for by the CM Division for use within DISA. A developer does not need to redeliver licenses to the CFI if the licenses are already on-hand at the CFI for the current version of the COTS software. Contact the DISA CM Division if further clarification is required.

5.6.2 Kernel Platform Certification (KPC) Program Operating System Licensing Requirements

Three (3) copies of the operating system are required by the CFI for the Test and Evaluation Division, the Product Integration Division, and the DII COE Engineering Office for every kernel submitted to the CFI under the direction of the Kernel Platform Certification Program. These licensed operating systems are used to perform DII COE kernel certification testing.

5.7 Classified or For Official Use Only (FOUO) Deliveries

This section provides developers the guidance on how to make FOUO or classified deliveries to the DISA CM Division. The developer must follow DOD procedures for the transmittal of classified information. Deliveries can be couriered to the OSF by the delivery personnel or mailed via proper procedures to the building. The transmittal should be addressed to either the Media Control Officer or to the Security Officer.

When the developer contacts the DISA CM Division to schedule the delivery they must inform the scheduler that it will be a classified delivery. In all likelihood the documentation associated with a classified delivery will be unclassified. If this is not the case then the scheduler must also be informed that the delivery will contain classified documentation in addition to classified software. The developer should make every effort to keep the Delivery Letter and Delivery Checklist unclassified. Proper labeling and classification marking must be used to include title and paragraph classification marking. This will help the DISA CM Division during the processing of the delivery. Should additional information on FOUO or classified deliveries be required, please contact the DISA CM Division.

5.8 Exportability and Foreign Military Sales (FMS) Additional Guidance

The DII COE and GCCS software releases will be used for FMS purposes. It is imperative that documentation and software be properly identified that contain release restrictions that prevent their use. Additional information and guidance on export restrictions can be found at http://www.deskbook.osd.mil.

Additional markings will be required for those DII COE and GCCS documents and software segments that have export restrictions. This is because DoD Directive 5230.24, *Distribution Statement on Technical Documentation*, requires that all DoD Components that generate or are responsible for technical documents determine their distribution availability and mark them appropriately before primary distribution. Managers of technical programs are required to assign appropriate distributions statements to technical documents generated within their programs to control the secondary distribution of those documents. Therefore, technical data with military or space application also must be marked with a prescribed export warning statement, in addition to other markings authorizing or restricting secondary distribution.

Besides those documentation requirements identified in the DDR, the following statement must be added to the cover page of all DII COE and GCCS documents being delivered to the CFI that are export restricted. The warning that must be include is:

> **A WARNING - This document contains technical data whose export is restricted by the Arms Export Control Act (Title 22, U.S.C., Sec 2751, et seq.) or the Export Administration Act of 1979, as amended, Title 50, U.S.C., App 2401 et seq. Violations of these export laws are subject to severe criminal penalties. Disseminate in accordance with provision of DoD Directive 5230.25"**

All electronic media being delivered with the release-restricted documenation and software also requires a similiar type labeling. However, documentation softcopies and software media, will use an abbreviated marking. The abbrieviated label marking will say A FMS-Export Controlled Technical Data.@ Below are examples of both a softcopy documentation diskette and a segment media labels.

Softcopy documentation diskette label example:

```
Segment/Program Name/Version Number:
Document Title:
Version Number:
Filename:
Sequence: N of M
Material Date:
Security Classification:
CM Number:
FMS-Export Controlled Technical Data
```

Segment media label example:

```
Software name:
Version/Patch Number:
Media Number: (1 of 2, 2 of 2, etc.):
MASTER or BACKUP copy:
```

Material Date: (YYYYMMDD format):
Procedure used to create media: (tar, MakeInstall, diskcopy, etc.)
Operating System: (Solaris 2.5.1, HP-UX 10.20, NT 4.00, etc.)
Program Name/Version: (DII COE, GCCS 3.0, GCCS 3.1, etc. Note: Do not use a DII COE Version Number)
Security Classification: (**Unclassified, FOUO, Confidential, Secret, Top Secret**, etc. Note: The classification must be in bold font.)
Type media (4mm, 8mm, 3 2" diskette, CDROM, etc.)
CM Number:
FMS-Export Controlled Technical Data

Should clarification or additional information be required concerning marking requirements, please contact the DISA FMS Office. Address comments and/or concerns to:

Mr. Steve Goya	unclassified email: goyas@ncr.disa.mil
DISA/D62	phone: (703) 681-2037
5600 Columbia Pike	fax: (703) 681-2791
Falls Church, VA 22041	

6 Waiver Process

6.1 General Waiver Information

The following sections identify the waiver process used for exceptions to this document. In many cases the DISA DII COE Engineering Office and the DISA GCCS Engineering Office responsible for these joint programs have elected to automatically issue waivers for specific circumstances under their control. Please cite the document, paragraph, and exception number when filling out the Delivery Letter and the Delivery Checklist for any automatic waiver issued.

6.2 How to Request a Deviation to the CM Delivery Process

Requests for deviations to the CM delivery process delineated in this document must be submitted to the DISA CM Division Chief. For example, a government or contractor developer may request to submit Solaris segments on 4mm tape media instead of the 8mm media requirement identified in Table 3. The deviation request must specify what exceptions are being asked for, the rationale behind such request, and the program affected (DII COE or GCCS). The DISA CM Division will coordinate with the appropriate engineering office for disposition of the request. Requests may be sent to the DISA CM e-mail account or to the address on the front of this document.

6.3 Waivers Issued by the DII COE Engineering Office

6.3.1 Automatic Waivers

The DII COE Engineering Office automatically issues waivers for certain circumstances and types of software deliveries. These automatic waivers are listed in the *Defense Information Infrastructure (DII) Common Operating Environment (COE) Developer Documentation Requirements (DDR)*, current version, document.

6.3.2 Waivers Issued at DII COE Critical Design Reviews

The DII COE Engineering Office conducts Critical Design Reviews (CDRs) for the DII COE kernels and for every application in the Infrastructure Services and Common Support Application layers. Two of the mandatory areas covered during the CDRs are software exceptions to the I&RTS and delivery requirement exceptions to this document. An electronic mail message is generated by the DII COE Engineering Office granting waivers and exceptions for both areas shortly after the CDR is held. The subject, originator, date, and time of the electronic mail message must be referenced when filling out the Delivery Letter and the Delivery Checklist for any waiver issued. Developers of DII COE kernels and applications do not need to contact the DISA CM Division concerning waivers unless they are asking for additional waivers not listed in the current DII COE DDR or issued at the CDR.

6.4 Waivers Issued by the GCCS Engineering Office

The GCCS Engineering Office will approve and issue waivers on a case by case basis. Should clarification or additional information be required concerning the waiver process for GCCS mission applications, please contact the GCCS Engineering Office. Address comments and/or concerns to:

GCCS Engineering Office   unclassified email: gccseng@ncr.disa.mil
DISA/D63   unclassified phone: (703) 735-8712, 8643,
45335 Vintage Park Plaza   8948, 8719, or 8535   (DSN Prefix 653)
Sterling, VA 20166-6701   unclassified fax: (703) 735-8504

7 References

The following references form the basis for this document. Soft copies of these documents are available electronically from DISA maintained web sites. Please see Section 8 for the web addresses.

Defense Information Infrastructure (DII) Common Operating Environment (COE) Integration and Runtime Specification (I &RTS), Version 3.0, 1 July 1997, CM-400-01-04.

Defense Information Infrastructure (DII) Common Operating Environment (COE) User Interface Specifications (Style Guide), Version 2.0, 1 April 1996, CM-400-18-03.

Defense Information Infrastructure (DII) Common Operating Environment (COE) Kernel Platform Certification Program, Draft, Version 0.8, 10 October 1997.

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

Developer Documentation Requirements (DDR), Version 2.0, 23 January 1998, CM-400-214-04.

8 DII COE and GCCS Web Site Addresses

The following URLs can be used to access information concerning the DII COE or GCCS programs.

Unclassified Web Sites:
      DII COE: http://spider.osfl.disa.mil/dii/
      GCCS: http://spider.osfl.disa.mil/

Secret-level Web Sites:
      DII COE: No capability exists at this time
      GCCS: http://trudel.disa.smil.mil/

Appendix A: Delivery Letter Template

The following instructions will aid developers in filling out the Delivery Letter template. Clarifying information and instructions are provided for each section. If more clarification is required, please contact the DISA CM Division. [Remove this paragraph, the appendix title, and then supply all bracketed A[...]@ remaining information. These pages can then serve as your electronic template for filling out the delivery letter.]

Delivery Letter
Version 3.0

Date: [Insert the date in YYYYMMDD format.]

To: Defense Information Systems Agency (DISA)
             Joint Interoperability Engineering Organization (JIEO)
             Chief, Configuration Management Division
             45335 Vintage Park Plaza
             Sterling, VA 20166-6701

From: [Insert the name, organization, and mailing address of delivery source.]

Subject: Delivery or Redelivery of [Insert programmatic document, kernel, or segment name (As listed in *SegName* file.)], Version No.[Insert. (As listed in *Version* file.)]

1. Letter accompanies:

   A. Delivery Checklist dated: [Insert the date in YYYYMMDD format.]

Note: Additional items are contained on this checklist that will be required at the time of delivery.

   B. Formal delivery name: [Insert the name of the programmatic documentation or kernel being delivered. If it is a segment delivery, this item must exactly match the segment name as identified in the *SegName* descriptor file. For additional information on the *SegName* descriptor file, consult paragraph 5.5.1.10 of the I&RTS.]

Note: All hardcopy documentation titles, softcopy documentation labels, and executable software tape labels must match if all three are present in the type of delivery.

   C. Version number: [Insert the version number of the kernel, segment, or programmatic documentation being delivered. For software deliveries, please include all designations after the (/) slash in the version number if the (/) slash option is used. The version number must come from the *Version* descriptor file for all segments.]
   D. Segment Prefix: [If this is a segment delivery, insert the segment prefix as it is identified in

the *SegName* descriptor file internal to the segment. If this is not a segment delivery mark this N/A.]

    E. Material date is: [Insert the date of creation of the programmatic documentation or software.]

Note: All hardcopy documentation titles, softcopy documentation labels, and executable software tape labels must match.

    F. OS: [Insert the type and version of the operating system.]

For example, insert Solaris 2.5.1, HP-UX 10.20, SGI IRIX 4.2, NT 5.0, etc.

    G. Documentation/Software is intended for: [Insert the program name; DII COE, GCCS, or Kernel Platform Certification. For GCCS deliveries, include the targeted GCCS release version.]

2. This submission supersedes the following software: [Insert the name of the kernel, segment, or programmatic documentation, version number, and date of item this delivery supersedes.]

Note: If the delivered software and/or documentation replaces or upgrades previously delivered software and/or documentation, a reference to the date and subject of the previous delivery letter that accompanied the now superseded or upgraded software and/or documentation must be included.

3. Regarding types of software:
    A. Is the segment being delivered COTS or GOTS? [Answer COTS or GOTS.]
    B. Does the GOTS segment contain COTS products? [Answer Yes, No, or N/A for COTS.]

    C. Have the appropriate COTS licenses been attached to this delivery letter? [Answer Yes or No. If No, then an explanation must be provided stating why the licenses are missing.]
    D. For COTS segments, are they Freeware or Shareware? [Answer No, Yes-Freeware, or Yes-Shareware.]

NOTE: IAW paragraph 5.7, Temporary Licenses for Test, Integration, and Evaluation Purposes, three licenses are required at the time of delivery of each COTS application being delivered in segmented form. This requirement holds true for GOTS applications with embedded COTS. Three licenses must be provided for each COTS application embedded in GOTS software.

4. This segment submission requires the following software be loaded prior to installation: [Insert the operating system name and version and then a breakdown of the segment name and version for each required DII COE or GCCS component.]

NOTE: I&RTS, Paragraph 5.5.2.23, Requires, identified how software developers are to state

segment dependencies. This section of the delivery letter should contain the same information as the segment descriptors portion of the executable software code.

5. A short description of the software functionality is: [Insert a one paragraph description of the software being submitted. This would be N/A for documentation only deliveries.]

6. This submission includes changes/fixes to the following GSPRs: [Either list all GSPRs allegedly fixed, list ANone@ if no GSPRs were fixed with the redelivery, or list N/A if this is a first-time software delivery or programmatic documentation only delivery.]

NOTE: Though a software developer may indicate what GSPRs they have attempted to fix, the GSPRs are not closed until DISA CFI personnel have verified the fix actions.

7. Documentation applicable to this software submitted includes: [List all pertinent documentation whether previously delivered or submitted as part of this delivery.]

    A.   Full Document Title:
            CM Number:
            Material Date:
            Previous Version: [Insert Title, CM Number, and Material Date.]
    B.   Full Document Title:
            CM Number:
            Material Date:
            Previous Version: [Insert Title, CM Number, and Material Date.]
    C.   Etc. [Continue listing documents until all those identified in the DII COE DDR not waived are listed.]

8. For GCCS Segment Release Bulletins, what site(s) will use this software segment: [Choose the selections that apply to the segment, e.g., DB sites only, Non-DB sites, All sites, Single-service sites, etc. For DII COE deliveries please use N/A.]

9. Release restrictions:
    A. Are there any intellectual property rights (IPRs) restrictions associated with the documentation or software included in this delivery? [Answer Yes or No. An IPR agreement must accompany all software deliveries even if there are no restrictions.]
    B. Are there any technical exportability issues associated with this documentation or software delivery? [Answer Yes or No. If AYes@, please provide an attachment with clarifying information as appropriate stating why the product is not exportable. For example, a COTS segment may contain algorithms that are not releasable outside the United States. Additionally, all of the labeling requirements identified in paragraph 4.8 must be followed. If ANo@, simply state ANone@ on both the delivery letter and the delivery checklist.]
    C. Are there any specific release restrictions that would prevent the software from being used for foreign military sales or being released to private industry outside of information provided in question 9B? [Answer Yes or No. If yes, please provide clarifying information as appropriate.

Again, all of the labeling requirements identified in paragraph 4.8 must be followed.]

10. Vendor-Assessed DII COE Compliance Level (1 to 8):

NOTE: This is a self-evaluation of the software segment performed by the developer using Tables B1 through B8 from the I&RTS. This does not imply the DII COE Engineering Office has approved, certified, or validated the vendor=s results.

11. Year 2000 (Y2K) Compliance:
    A. Is segment Y2K compliant? In the context of this question, Year 2000 compliance is defined as the capability of segments to accurately process date data (including, but not limited to, calculating, comparing, and sequencing) as we approach and continue into the next millennium. [Answer Yes or No.]
    B. If A is Yes, provide a brief, one paragraph description of the test process used in determining Y2K compliance. [Insert information as necessary.]
    C. If A is No, when is the expected delivery date for a Y2K compliant segment? [Insert the estimated date in YYYYMMDD format.]
    D. Does the segment process dates in the DOD standard date format of YYYYMMDD? [Answer Yes or No.]
    E. If the Software Test Plan (STP) and Software Test Description (STD) were required by the cognizant engineering office for this delivery, do they include Y2K test cases? [Answer Yes or No.]

NOTE: In the case of COTS applications, please attach a copy of the vendor=s statement concerning Y2K compliance to the Delivery Letter.

12. Sponsoring Service/Agency POC for delivery: [Insert information as appropriate. NOTE: This must be one of the voting members of the DII COE Architectural Oversight Group (AOG). The membership of the DII COE AOG can be found on the DII COE Homepage under the AOG subpage.]
    A. Name/Grade:
    B. Telephone:
    C. Fax:
    D. E-email address:

13. Government COR/POC for delivery: [Insert information as appropriate.]
    A. Name/Grade:
    B. Telephone:
    C. Fax:
    D. E-email address:
14. Developer Technical POC for delivery: [Insert information as appropriate.]
    A. Name/Grade:
    B. Telephone:
    C. Fax:

D. E-email address:

15. Individual performing delivery: [Insert information as appropriate. This section may contain hand written entries filled out during the delivery meeting.]
   A. Name/Grade:
   B. Telephone:
   C. Fax:
   D. E-email address:

16. Developer Information: [Insert information as appropriate.]
   A. Contract Number:
   B. Task Number:
   C. CDRL Number:
   D. Other Comments:

17. Software Media Contents: [If the delivery is for software with multiple files, segments, or scripts included, the individual items contained on the media must be listed below. This table must also be replicated on the delivery letters for each item mentioned in the table. See paragraph 5.6.2 for more information. Please provide a descriptive software name. The table must also have the segment name (32 characters maximum) , prefix (6 characters maximum) and the version number (to include any information after the slash) as it is identified in the *SegName* and *Version* descriptor files internal to the segment for multiple segment deliveries. The CM Librarian will fill out the CM Number column.]

Software Name:	*SegName*:	*Prefix*:	*Version*:	CM Number:

Note: The container CM number for multiple segments on a media will be CM Number:

18. For segment deliveries, did the segment successfully load on a DII COE-compliant workstation using the COEInstaller at the developer=s site? [Answer Yes, No, or N/A.]

19. Additional Comments: [Insert supporting information as appropriate.]

Appendix B: Delivery Checklist Template

The following instructions will aid developers in filling out the Delivery Checklist template. The checklist is a simple means for accounting for all documentation that must be provided with each software delivery. If five segments are being delivered then there must be five checklists. Items are either provided with the software delivery or they are not. In the case of items not provided, listed as AN/A@, a reason must be included in the Comments column. The only reason an item cannot be provided is because the cognizant engineering office has issued a waiver. For all N/A entries, the subject, originator, date, and time of the electronic mail message granting the waiver, a reference from the DII COE DDR, or a reference to the automatic GCCS issued waivers identified in this document must be included. Additionally, a copy of the cognizant engineering office=s e-mail granting any waivers must be attached to this checklist.

The Delivery Checklist is not required for programmatic-only documentation deliveries. The item should be listed as ANot Required@ on the Delivery Letter. If further clarification is required concerning how to fill out the Delivery Checklist, please contact the DISA CM Division.

Delivery Checklist
Version 3.0

Formal segment name (As listed in *SegName* file):
Version:
Material Date:
Operating System:

AT@or N/A*	**Item**	**Comments**
	Delivery Letter	
	Installation Procedures (IP) *DII COE Only*	
	Software Version Description (SVD)	
	System Administrator=s Manual (SAM)	
	User=s Manual (UM)	
	Software Product Specification (SPS)	
	Database Design Document (DBDD)	
	Software Test Plan (STP)	
	Software Test Description (STD)	
	Software Test Report (STR)	
	Application Program Interface Reference Manual (APIRM)	
	Programmer=s Manual (PM)	
	Software Design Description (SDD)	
	Interface Design Document (IDD)	
	GCCS Segment Release Bulletin (SRB) *GCCS Only*	
	DII COE Kernel Platform Certification Application Form *KPC Only*	
	Government Supplied Kernel Software (GSKS) Build Document *KPC Only*	
	Printouts of the contents of the *SegName* and *Version* Descriptor Files	
	Two (2) copies of executable software media (Labeled MASTER and BACKUP)	
	Three (3) License Agreements (COTS Segments Only)	
	Intellectual Property Rights Agreement Attachment	
	COTS Vendor Y2K Compliance Attachment	
	Faxed CM Notification Pages	

* NOTE: For all N/A entries, the subject, originator, date, and time of the electronic mail message granting the waiver, a reference from the DII COE DDR, or a reference to the automatic GCCS issued waivers must be included. Additionally, a copy of the cognizant engineering office=s e-mail granting any waivers must be attached

to this checklist.

Appendix C: GCCS Segment Release Bulletin (SRB) Template

The following format is to be used by GCCS developers to produce GCCS Segment Release Bulletins (SRBs). SRBs are intended to be simple but thorough instructions that a GCCS system administrator can copy and hand out to minimally qualified installers. All user-related information in previous SRB formats has been moved to version description documents.

Segment Name (as appears in COEInstaller), Version

Segment Description

Place segment abstract here. The segment abstract provides a brief (roughly 6 line) description of the segment, particularly it=s role relative to the application it supports and other segments related to the application.

Installation Instructions

List each step in the format shown below. Be sure to consider processes that need to be shutdown and segments that need to be deinstalled. In no segments need to be deinstalled, state ANONE.@

Step 1:   (example) Shut down any programs or processes as necessary to ensure proper

installation of the segment:

Step 2:   Deinstall the following segments (list each on a separate line):

Segment1

Segment2

Step 3:   Verify installation of required segments:

List whichever segments are required to install this particular segment. This

should match the requires file in the SegDescrip directory.

Step 4:   Install SEGMENT (Prefix), Version Number.

Example: Install AHQ 5.6.02.

Dialog presented to the installer

List the dialog boxes that are presented to the installer of the segment; include screen snapshots if possible. If no dialog is presented, state in this section, ANo dialog is presented.@

Post Installation or Configuration Instructions

Identify in this section any important information needed to set up, configure or prepare the segment for use after installation. In most cases, there are none. If so, state ANONE.@

End of Document