U.S. Marine Corps

DATA CENTER SYSTEMS IDENTIFICATION STANDARDS

IN REPLY REFER TO:

5234/07
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From: Director, Marine Corps Computer and Telecommunications
Activity

Subj: INFORMATION RESOURCES MANAGEMENT (IRM) DATA CENTER
SYSTEMS IDENTIFICATION STANDARDS

Ref: (a) MCO 5271.1

Encl: (1) IRM-5234-07

1. <u>PURPOSE</u>. To provide standards and guidelines for the
management of mainframe systems software, operating systems,
proprietary products, components of the data communications
network and to improve standardization and transportability of
applications among Marine Corps data centers.

2. <u>CANCELLATION</u>. IRM-5234-04 Naming Conventions and IRM-5235-02
Adaptable Database System.

3. <u>AUTHORITY</u>. This publication is published in accordance with
the reference.

4. <u>APPLICABILITY</u>. The standards and guidelines contained in
this publication apply to all contractors and Marine Corps
personnel responsible for the identification of Marine Corps
automated information resources. This publication applies to the
Marine Corps Reserve.

5. <u>SCOPE</u>

    a. <u>Compliance</u>. The standards and guidelines contained
herein require compliance unless a specific waiver is granted.

    b. <u>Waiver</u>. Only the Director, Marine Corps Computer and
Telecommunications Activity (MCCTA) can authorize waivers to
these standards and guidelines.

6. <u>RECOMMENDATIONS</u>. Recommendations concerning the contents of
this technical publication should be forwarded via the
appropriate chain of command to Director, MCCTA, at the following
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        MARCORCOMTELACT
        (CTAS)
        3255 Myers Ave

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       SYSTEMS IDENTIFICATION STANDARDS

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7. SPONSOR. The sponsor of this technical publication is
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D. A. Houston

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Colonel, U.S. Marine Corps
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From: Commanding General

Subj: INFORMATION RESOURCES MANAGEMENT (IRM) DATA CENTER SYSTEMS
IDENTIFICATION STANDARDS

Ref: (a) MCO 5271.1A

Encl: (1) . New page inserts to IRM-5234-07

1. PURPOSE: To transmit new page inserts to the basic technical
publication.

2. ACTION:

   a. Remove pages v to viii and replace with new pages v to x.

   b. Insert new Chapter 11, pages 11-1 to 11-6.

3. SUMMARY OF CHANGES: This change adds a new chapter
pertaining to the INFOPAC environment to include the catalog,
DASD, regions, naming standards and security. In addition, this
change provides a new table of contents to reflect the addition
of the new chapter.

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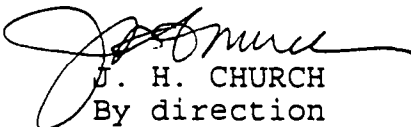   Director
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5. FILING INSTRUCTIONS: This change transmittal will be filed
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6. <u>CERTIFICATION</u>: Reviewed and approved this date.

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UNITED STATES MARINE CORPS

Information Resources Management (IRM) Standards
and Guidelines Program

DATA CENTER SYSTEMS IDENTIFICATION STANDARDS
IRM-5234-07

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TECHNICAL PUBLICATION LIBRARY MAINTENANCE

The Information Resources Management Standards and Guidelines
Program will be maintained at each receiving activity. Each
activity is responsible for ensuring that their set of technical
publications is complete, and that all published changes are
promptly incorporated.

RECORD OF CHANGES

Change Number	Date of Change	Date Received	Date Entered	Signature of Person Entering Change

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DATA CENTER SYSTEMS IDENTIFICATION STANDARDS
IRM-5234-07

Chapter Table of Contents

Chapter 1

INTRODUCTION

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Chapter 1

GENERAL

1.1. **BACKGROUND**. Since the last publication of the Information Resources Management (IRM) Naming Conventions technical publication, data processing in the Marine Corps has experienced dramatic changes in the way it does its computer business. This publication is specifically designed to be separate from any policy statements covering information resource management so that it may be modified quickly to reflect the changes in the state of computing without the lengthy staffing requirements of documents which contain policy; e.g., orders and bulletins. Field activities are requested to help keep this publication current by forwarding any suggestions and proposed standards to MCCTA for inclusion in this publication as changes in the Marine Corps IRM operating environment occur.

1.2. **PURPOSE**. This technical publication is intended to address all of the standards which concern the identification of Marine Corps information resources. More specifically, it establishes standards for the Marine Corps Class I automated information systems (AIS), telecommunication networks and operating system environments. In this respect it establishes those standards and conventions which must be used by Class I AISs, telecommunication networks and operating system environments. These standards and conventions may be assumed to be in place by Class I AISs in all Marine Corps general purpose operating environments.

1.3. **ORGANIZATION OF PUBLICATION**. Each of the chapters in this publication address standards associated with a specific operating environment. In general these environments are connected with a proprietary software product. Application of the standards is not limited to the environment related to the chapter in which they appear. For example, site designators are covered in the chapter labeled "TSS ENVIRONMENT," however, they apply in any other area which is appropriate. This is demonstrated by the reference to site designators in other chapters. Even though site designators may not be specifically addressed in some areas, they should be applied, if appropriate; e.g., site designators should be applied to VM systems. This guidance applies to all other standards contained in this publication.

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Chapter 2

TSS ENVIRONMENT

Chapter 2

TSS ENVIRONMENT

2.1. SITE, NODE, AND COMMAND DESIGNATORS. The following naming conventions apply to sites, nodes and commands. These one or two character designators are to be used to prefix accessor identifiers (ACIDs), resources, job identification numbers (JINs), etc., for which the site, node, or command is responsible. All designators will be formed from alphabetic characters and assigned by MCCTA. Appendix A contains a list of authorized designators.

2.1.1. Sites. These are ADP activities which provide general purpose data processing support to other Marine Corps organizations. Only major ADP sites (see Appendix A) are authorized one character designator.

2.1.2. Nodes. Node designators are listed under their controlling site. These designators are assigned to the Marine Corps Data Network (MCDN) remote concentrators and communications processors to aid configuration and network management. The sites under which nodes are listed may use the assigned designator as a prefix for ACIDs, resources, etc.

2.1.3. Commands

a. Command designators are to be used for the construction of user IDs. In the cases where commands are serviced by a site or node under their cognizance which has been assigned a different designator, user IDs for the command will be assigned using the command's designator as their prefix. For example the site designator will not be used (e.g. 4th MAW users will use "EA" vice "AL" and MARFORLANT users will use "CC" vice "BD").

b. Commands listed in Appendix A which have not had a designator assigned are listed in parenthesis after the site/node whose site designator they will be assigned. Sites will assign these commands a unique block of characters from within their own designator.

c. Organizations not listed in Appendix A fall under the responsibility of the parent command listed in Appendix A.

2.1.4. External Agencies. Agencies external to the Marine Corps will be assigned 'J' series designators on a case by case basis by MCCTA. Sites are authorized to request assignment of a 'J' series designator on behalf of non-Marine Corps agencies needing access. All requests whether for permanent or temporary access will be submitted to MCCTA for approval.

2.2. TOP SECRET ACIDs. TSS division, department and user ACIDs will be implemented as follows:

2.2.1. TSS Division ACIDs

a. TSS division ACIDs will be from one to three characters in length. The first and/or second character of a TSS division ACID will be an authorized site, node or command designator as identified in Appendix A. Additional characters are then appended to define a unique TSS division.

b. In order to prevent possible future conflict with secondary site designators, sites allowed one character designators must obtain permission from Director, MCCTA before using an alphabetic character in the second position other than those already explicitly allowed in Appendix A.

2.2.2. TSS Department ACIDs. TSS department ACIDs will be three to four characters in length. The first characters of a TSS department ACID will be the TSS division ACID in which it is owned.

2.2.3. User ACIDs

a. Users and tasks will be identified with six characters indicating their organizational affiliation. IDs will be issued by the user's Terminal Area Security Officer (TASO). The first two positions will be the major site, node, or command designator.

b. The remaining characters will be assigned left to right indicating first the TSS division, second the TSS department, and third the individual or task to whom the ACID belongs. For example, a user in the TSS department whose TSS department ACID is "TCUP" must be assigned a user ID which begins with "TCUP".

c. It is imperative that individual accountability be established for user IDs. User IDs identify users. The passwords associated with user IDs authenticate that the person using the ID is authorized to use it. This means that every user ID must be assigned to one, and only one, individual.

2.2.4. Definition Scope. Both TSS division and TSS department ACIDs will be defined to every site's copy of TSS and Natural Security (NSS) to which any of the TSS department's or TSS division's users are defined.

2.3. TSS PROFILES. Profile names will begin with the ACID of the owning TSS division or department. Product or systems type profiles are exempt form this requirement.

2.3.1. Unshared and Globally Administered Profiles. These TSS profile ACIDs will be formed by suffixing the owning division's

or department's ACID with a dollar sign ($), or an at sign (@),
followed by any, or no, other characters. Profiles named with an
at sign should be used to distinguish authorizations to resources
in support of testing and development from those in support of a
production environment (named with a dollar sign). Profile ACIDs
will not be assigned any attributes or administrative
authorities. Furthermore, profiles will not own resources. The
information placed in the NAME field will clearly denote the
purpose of the profile.

2.3.2. Shared Profiles. Shared profile ACIDs will be
constructed and restricted as described in subparagraph 2.3.1.
above, except they will always be prefixed by a cent sign (¢).

2.3.3. Application Profiles. Application profiles may be
established for unique user needs (i.e. SABRS, Unit Diary), but
will not contain facilities.

2.3.4. Group Facility Profiles. Group facility profiles will be
established for use at every site. The following group
facilities profiles are authorized:

     a. Basic User Profile (USER$)

          (1) Facilities - BATCH, CICSPROD, NVAS, ESF

          (2) Attributes - Global Access Profile

          (3) Otrans - NAPx

          (4) Data sets - Standard Marine Corps wide data set
access.

          (5) User - Authority/Group/Printer Definitions

     b. Standard TASO Profile (TASO$)

          (1) Facilities - BATCH, CICSPROD, ROSCOE, TSO, NVAS, ESF

          (2) Attributes - NOATS

          (3) Otrans - NAPx

          (4) Data sets - Standard Marine Corps wide data set
access.

          (5) User - Authority/Group/Printer Definitions

2.4. ABSTRACTS. The following abstract name prefixes are
authorized for use as described. No other abstracts may be used
without the written approval of the Director, MCCTA.

2.4.1. <u>Job Name Abstracts</u>. Access to job names is to be controlled via abstracts beginning with "J#".

2.4.2. <u>Job Class Abstracts</u>. Access to job classes is to be controlled via abstracts beginning with "CLASS##".

2.4.3. <u>CPU ID Abstracts</u>. Access to CPUs is to be controlled by abstracts beginning with "CPU" followed by the CPU's SMF ID.

2.4.4. <u>Tape Expiration Date Abstract</u>. The ability to use LABEL=EXPDT=98000 is to be controlled by the abstract "XDT98000" for the tape management system.

2.4.5. <u>Shared Profile Administration Abstracts</u>. The ability to administer shared profiles is to be controlled via abstracts beginning with a cent sign.

2.5. <u>USER DEFINED RESOURCES</u>. Use of user defined resources must be approved by the Director, MCCTA in writing.

2.6. <u>TSS CONFIGURATION</u>

2.6.1. <u>Facilities Matrix Table</u>. Appendix I provides the standard TSSPARM0. All facilities will be named the same to reflect the product name. The options and suboptions on each facility will be standardized. TSSPARM0 will reside in SYS9.TSS.PROD.PARMFILE.

2.6.2. <u>TSS Auto Commands</u>. TSSAUTO0 will contain only the following: S AUTOMATE,SUB=MSTR. TSSAUTO0 will reside in SYS9.TSS.PROD.PARMFILE.

2.6.3. <u>Resource Descriptor Table (RDT)</u>. See Appendix K for standard RDT.

2.6.4. <u>Rules for Contents of "ALL" Record</u>

    a. Access to data set 'MSTRCTLG.MASTER' access(READ).

    b. Access to data set 'CATALOG.SYSTEMS' access(READ).

    c. Access to data set 'CATALOG.' access(UPDATE).

    d. No Class I data sets permitted via ALL Record.

    e. Access to data set 'SYSTEMS.TSS.' access(NONE).

    f. Access to site unique high level qualifier(s).% access(ALL). Example: ALBY3.% ACCESS(ALL)

    g. Access to storage and work DASD volumes only. Access to any other volumes is prohibited.

h. Access to Class Abstract of 'A'. Any other Class Abstract is prohibited.

i. No Job Abstracts permitted via ALL Record.

j. No Programs, PPTs, Otrans permitted via ALL Record.

k. No TSS Administration Authority permitted via ALL Record.

l. Limited Command Facility (LCF) entries will be done through Facility Management.

m. Definitions to ESF Printer groups will be allowed.

n. No ACID will be cross authorized to the ALL record.

2.6.5. STC Record. The following standards will be followed for all entries in the STC record.

a. STCACT. No STC entry will have operator prompting for starting. The only exception will be for a unique batch job which runs as an STC and requires auditing.

b. BYPASS. No STC entry will have the BYPASS option enable.

c. ACID. All STC are required to have their own unique ACID assigned.

d. Default Entry *DEF*. The default entry, used for undefined STCs, will have the ACID option set to FAIL.

2.6.6. Restricted Password List (RPW). See Appendix L for standard list.

2.7. OPERATING SYSTEM DIVISION. An Operating System Division (JGO) will be created in each security environment. The contents of this division will be standardized, and maintained by MCCTA.

2.7.1. STC Definitions. The STC definitions will be standardized and named the same. All STCs will reside in Div(JGO)Dept(JGOS).

2.7.2. Facility Management. The management of facilities access will be done via profiles. These profiles will be standardized and named the same. All facility profiles will reside in Div(JGO)Dept(JGOF). See Appendix J for example. The CUSTOMER will grant access to these profiles as required.

2.7.3. OTRAN Management. All system otrans will reside in Div(JGO) Dept(JGOO). The CUSTOMER will grant access to these otrans as required.

2.7.4. <u>TSO Resource Management</u>. Under Version 4.3 of TSS all TSO resources will reside in Div(JGO) Dept(JGOT). The CUSTOMER will grant access to these resources as required.

2.8. <u>TSS DASD ENVIRONMENT, BACKUPS AND RETENTION</u>

2.8.1. <u>Data Set Names</u>

a. <u>High Level Qualifiers</u>. The high level qualifier will be SYSTEMS.

b. <u>Second Level Qualifiers</u>. The second level qualifier will be TSS.

c. <u>Third Level Qualifiers</u>. "PROD" will be used to denote production TSS data sets.

d. <u>Fourth Level Qualifier</u>. Fourth level qualifier will denote the data set type assigned as follows:

(1) Security File - SECFILE

(2) Audit File - AUDIT

(3) Recovery File - RECFILE

(4) Command Propagation Recovery File - CPFRCVY

(5) Backup File - BACKUP

2.8.2. <u>Data Set Location</u>. The SECFILE and BACKUP must be on different volumes, and channel paths.

2.8.3. <u>Backups/Retention</u>. Backup of the AUDIT file will be done using IEBGENER. Generation Data Group size: Daily (8), Weekly (5), Monthly (36).

2.9. <u>TSS MONITORING</u>

2.9.1. <u>System Monitoring</u>. It is recommended that an MVS console be maintained in the security area for monitoring of the TSS environment. This console should be configured for display only and only have TSS messages routed to it.

2.9.2. <u>Contingency Access</u>. It is recommended that at least one channel connected terminal be maintained in the security area for TSS management. This ensures 100 percent mainframe connectivity in the event of a communications outage caused by a communications processor or Local Area Network (LAN) outage.

Chapter 3

MVS ENVIRONMENT

Chapter 3

MVS ENVIRONMENT

3.1. **DASD VOLUME IDENTIFICATION**. All volumes, except those identified below will be initialized with the two character site designator as the first two characters of the volume name.

3.1.1. **System Resident Volume**. SYSRES.

3.1.2. **Back-up Resident Volume**. SYSBKP.

3.1.3. **Standardized Systems Volume**. SYS###.

3.1.4. **Spool Volumes**. xxSP##.

3.1.5. **Site Unique System Volumes**. xxSY##.

3.1.6. **Storage Volumes**. xx????.

        xx   - Site Designator (See Appendix A)
        #   - Sequential Number
        ???? - Site determined

3.2. **SYSTEMS DATA SET NAMES**. Each data set name will conform to the following naming conventions:

3.2.1. **High Level Qualifiers**. The high level qualifiers will either indicate the ADP activity responsible for the creation, maintenance, and integrity of the data set (as listed in Appendix B), or be one of the below listed qualifiers.

    a. **SYS1**. This will be used for all data sets which are part of an IBM integrated software package. These data sets are exempt from the data set name standards for subsequent, lower level qualifiers.

    b. **SYS2**. This will be used for all load libraries and for production VTAM data sets containing members required to be started daily. VTAM data sets may have a high level qualifier of SYS2, SYS3, or SYS4, depending on the data set use. All SYS2 data sets must be on SYS001, which must be a dual-density 3380.

    c. **SYS3**. This will be used for data sets containing the latest changes to the production SYS2 VTAM data sets.

    d. **SYS4**. This will be used for data sets containing the latest distribution members for the production SYS2 VTAM data sets and other changes.

    e. **SYS9**. This will be used for all non-integrated system product data sets which contain non site unique information. For

example, CA-11 data sets would be named as follows:

SYS9.CA11.PROD.CAIMAC	Macro Library
SYS9.CA11.PROD.CAISRC	Source Library
SYS9.CA11.PROD.CAICLIB	Clist Library
SYS9.CA11.PROD.CAIISPP	Panels Library
SYS9.CA11.PROD.CAIISPM	Messages Library

f. SYSTEMS. This will be used for all non-integrated system product data sets which contain site unique information.

g. SYSxxx. This will be used for systems data sets which sites will use to stage changes prior to being invoked in the production environment. 'xxx' represents the three character site designator. For example changes to SYS1.PARMLIB will be staged in the data set SYSxxx.PARMLIB.

f. FDRABR. This will be used as required by the product "FDRABR."

3.2.2. Second Level Qualifiers. Second Level Qualifier will be the product name. Standard product names will be established by MCCTA for each product exported.

3.2.3. Third level Qualifiers

a. "PROD" will be used to denote production systems data sets.

b. "TEST" or one denoting the maintenance and release level of the product will be used for system data sets in a test environment.

c. "OLD" or one denoting the maintenance and release level of the product will be used for system data sets which have recently been replaced by a new version and are desired to be maintained until the new product is considered stable.

3.2.4. Fourth Level Qualifier. Fourth Level Qualifier will be data set type (e.g., LOADLIB, PROCLIB, etc.).

3.3. OTHER UNIQUE SYSTEMS DATA SET NAMES

3.3.1. Dump Data Sets

a. Five dump data sets will be maintained and named SYS1.DUMP00 through SYS1.DUMP04.

b. Dump data sets will be 450 tracks in size with a logical record length and block size of 4104.

3.3.2. Page Data Sets. The PLPA, Common and at least one local page data set will reside on a site unique system volume (para

3.1.5. The second level qualifier of these data sets will
reflect the CPU ID. The third qualifier will signify the type of
page data set. For example:

> SYS1.XX0A.PLPA
> SYS1.XX0A.COMMON
> SYS1.XX0A.LOCAL1

3.3.3. VSAM Volume Data Sets (VVDS)

a. The VSAM Volume Data Sets (VVDS) will be named
SYS1.VVDS.Vxxxxxx. Where xxxxxx represents the volume
identification number.

b. The VVDS should be created on all storage packs next to
the volume table of contents (VTOC). The VVDS should be created
with a minimum size of 10 tracks primary allocation and 10 tracks
secondary allocation.

3.3.4. SMF Data Sets

a. Five SMF data sets will be maintained and named SYS1.MAN1
through SYS1.MAN4.

b. SMF data sets will be 25 cylinders in size and located on
a site unique system volume.

3.4. CATALOGS. All primary ADP sites will maintain each of the
following catalogs, with the exception of miscellaneous catalogs.
Catalogs will be named and managed in accordance with the
following standards.

3.4.1. Master Catalog. The master catalog will be named
MSTRCTLG.MASTER. Only SYS1, SYS2 and SYS9 data sets will be
cataloged to the master catalog.

3.4.2. Systems Catalog. The systems catalog will be named
CATALOG.SYSTEMS. SYS3, SYS4, SYSTEMS and SYSxxx data sets will
be cataloged to the systems catalog.

3.4.3. TSO/ISPF Catalog. The TSO/ISPF catalog will be named
CATALOG.TSOISPF. All data sets beginning with TSOISPF will be
cataloged to the TSO/ISPF catalog.

3.4.4. FDRABR Catalog. The FDRABR catalog will be named
CATALOG.FDRABR. This catalog will be reserved for use by the
FDRABR product. Data sets beginning with FDRABR and a pound sign
'#' will be cataloged to the FDRABR catalog.

3.4.5. Production Catalog. The production catalog will be named
CATALOG.PROD. All data sets beginning with site unique
qualifiers will be defined in the production catalog.

3.4.6. <u>Offsite Catalog</u>. The offsite catalog will be named
CATALOG.OFFSITE. All data sets beginning with other sites unique
qualifiers will be defined in the offsite catalog.

3.4.7. <u>Miscellaneous Catalogs</u>. Miscellaneous catalogs will be
named CATALOG.USER#. These catalogs are used at the site's
discretion. But if used, should not contain any data sets
required by production processing.

3.5. <u>SYSTEM IDs</u>. Each CPU must be uniquely named. They will be
named as "XXYY" where "XX" is the hosts site designator and "YY"
is a CPU designator. The CPU designators will be assigned so
that the first CPU at a site is designated as "0A" and subsequent
CPU's as "0B", "0C", "0D" ..., "0Z", then "1A", ... "1Z", etc.
For example, the first CPU at Quantico should be named "GG0A",
and the second "GG0B."

3.6. <u>STORAGE MANAGEMENT</u>

3.6.1. <u>System Managed Storage (SMS)</u>. SMS will be implemented.
The minimal level of implementation should be management of
temporary and TSOISPF data sets. The following installation
options will be used:

    a. Subsystem defined in IEFSSN00 as SMS.

    b. Initialization options are set to default.

    c. ACDS and COMMDS data sets will be entered in IGDSMS00 and
named SYSTEMS.SMS.PROD.ACDS1 and SYSTEMS.SMS.PROD.COMMDS1
respectfully.

    d. Storage classes and storage groups will be called TEMP
and TSOISPF.

3.6.2. <u>STOPX37 Utilization</u>

    a. All production and development data sets will be managed
by STOPX37. VSAM data sets can be excluded at the sites'
discretion.

    b. STOPX37 base and SNA, RECAT and VSAM options will all be
initialized at start-up of the product. Standard parameter
values are provided below:

            MAXVOL=3 (minimum)   SNARPRI=(10,0)
            RECAT=YES   ZEROSEC=(100)

3.7. <u>SVC MANAGEMENT</u>. All SVCs used will be identified in
IEASVC00 for documentation purposes. Entries will appear as
comments with the exception of those identified in sub-paragraph
(c) below.

a.   The following Extended Service Routines (ESRs) are used by Proprietary Products and will reside in SYS1.PARMLIB(IEALPA00):

ESR	Module	Product
4	IGX00004	SAS
36	IGX00036	LMF
41	IGX00041	NPM
254	IGX0025D	ESF

b.   The following SVCs are dynamically installed:

SVC	Module	Product
157	IGC0015G	CA90s ENF
159	IGC0015I	CA90s ENFDB
162	JARSSUP	CA-JARS
168	LVSSSVC	CA-LIBRARIAN
252	$CRSVC	TMON CICS
254	IGX0025D	CMA-Spool

c.   The following SVCs will reside in member IEASVC00 within SYS1.PARMLIB:

SVC	Module	Product
215	DFHCSVC	CICS
216	DFHHPSVC	CICS
217	IGC0021G	JESMASTER
233	IGC0023C	FOCUS
234	IGC0023D	ADABAS
238	IGC0023H	ADABAS
239	IGC0023I	ADABAS

3.8.   TSO/ISPF CONFIGURATION. All TSO and ISPF panels will be standardized.

3.8.1.   Standard Procedures.   Standardized TSO procedures will be used.   Use of any others is prohibited.   The standard procedures are:

a.   TSOUSER - Basic TSO User Procedure.

b.   TSOSYS - Systems TSO Procedure.

c.   TSOTSS - Top Secret (TSS) Administration TSO Procedure.

d.   TSOEMER - Skeleton TSO procedure for emergency system recovery.

3.8.2.   Data Set Allocation.   Data set allocation will be standardized to occur in CLIST using LIBDEF commands.   Allocation will be done when entering a product.   De-allocation will occur upon sign off.

3.9. <u>SYS1.PARMLIB</u>. The following standards for SYS1.PARMLIB
members will be followed:

3.9.1. <u>Naming Conventions</u>

   a. Members Without a Suffix. Members without suffixes will
be standardized throughout the Marine Corps and named as
delivered by MCCTA.

   b. Members Ending with a Suffix

      (1) First Character of Suffix

         (a) Common members throughout the majority of Marine
Corps sites will be assigned '0'. These members are listed in
paragraph 3.9.2.

         (b) Members unique to individual sites will be
assigned the site identifier assigned in Appendix A as the first
character of the suffix.

         (c) MCCTA will maintain contingency members with
first character suffix 'x' for each member unique to an
individual site. This member will contain the minimum
requirements or default value for that individual member.

      (2) Second Character of Suffix

         (a) All production members will use '0' or the last
character of the SYSID in a multi-host environment.

         (b) Members developed by a site for special purposes
will use 1-9.

         (c) Backups of production members will use characters
X-Z. In a single host environment the character 'X' will be
used.

   c. Exceptions. The member(s) listed below will be named as
follows:

      (1) CONFIGxx. This member will be named as follows:

         (a) First Character of Suffix. Will be either an 'M'
or 'P' depending on whether the member contents are used for a
CPU Merge or Partition configuration.

         (b) Second Character of Suffix. Will be assigned the
last character of the SYSID of the CPU being configured.

      (2) JES2PARM. Standards for the naming of this member are
discussed in Chapter 4.

3.9.2. Standardized Members. The following members will be
standardized throughout the Marine Corps. Appendix G provides
the standard contents for each member listed below.

ADYSET00		IEADMR00	
ADYSET01		IEAFIX00	
BLSCECT		IEALOD00	
CLOCK00	(2)	IEALPA00	(2)
COMMND00	(2)	IEAPAK00	
ERBRMF00	(1)	IEASLP00	
GIMOPCDE		IEASVC00	(2)
GRSRNL00		IGDSMS00	(1)
GTFPARM		IKJTSO00	
IEAABD00		LPALST00	
IEAAPF00	(2)	MPFLST00	
IEAAPP00		PFKTAB00	
IEACMD00		SCHED00	(2)
IEADMP00		SMFPRM00	(1)
		TSOKEY00	

Notes:

1 - Sites can create unique members if required using naming
conventions outlined in paragraph 3.9.

2 - These members may be different for CDAs.

3.9.3. Member Management

     a. Authorized Program Facility (APF) List Management. The
follow guidelines will be followed for all APF authorized data
sets:

          (1) Adequate justification as to why a data set requires
APF authorization must be provided and maintained prior to any
data set being APF authorized. MCCTA Quantico will maintain this
documentation for data sets in the standard IEAAPF00 member. Any
site adding additional data sets must maintain similar
documentation. This documentation is subject to audit.

          (2) Access to any data set in the APF list must be
strictly controlled. "ALL" access, 365 days a year, to a large
number of people is considered excessive.

     b. Link List Management. Adequate documentation as to why a
data set resides in the link list must be maintained. MCCTA
Quantico will maintain this documentation for data sets in the
standard LNKLST00 member. Any site adding additional data sets
must maintain similar documentation. This documentation is
subject to audit.

3.9.4. Specific Member Options

    a. IEASYS. The LNKAUTH option will be set to APFTAB.

    b. SMFPRM

        (1) The prompt option will be set to PROMPT.

        (2) SMF record collection list will always include type 7
records.

3.10. MISCELLANEOUS STANDARDS

3.10.1. IPL Sequence and Messages. The standard IPL process
will consist of COMMND00 starting JES and Top Secret, Top Secret
starting AUTOMATE and AUTOMATE starting everything else. MCCTA
will provide example rules and document the standard IPL
sequence.

3.10.2. Message Suppression Methodology. All message
suppression will be done with AUTOMATE. Use of MPF will be
discontinued.

3.10.3. Deallocation Retention

    a. SYSLOG - 14 generations total, 3 maintained on-line.

    b. STCs - 10 generations total, 3 maintained on-line.

    c. Unnecessary STC deallocations will be deleted using the
purge deallocation program supplied by MCCTA. ABENDAID is an
example of an unnecessary deallocation.

3.10.4. SYS1.IMAGELIB Management. Sites will be restricted from
updating SYS1.IMAGELIB. If a new FCB is required, it will be
forwarded to MCCTA for inclusion into SYS1.IMAGELIB. A sample of
the special form used with the FCB will also be provided to
MCCTA.

3.10.5. USMC Standard Exits. All Marine Corps standard exits
will be maintained in the data set SYS2.EXITLIB. The following
exits are currently considered as Marine Corps standard:

    a. IEFACTRT. Writes step and job completion messages to
the JES log.

    b. IEFUJV. Writes User-Id into SMF records.

    c. IEFU83. Writes SMF records for NetView Performance
monitor.

    d. IKJEFF10. TSO/E submit exit. This exit allows users to
submit jobs with their User-Id as the jobname.

e.   INMCZ21R.   TSO/E transmit/receive exit.   This exit is used to modify the TSO/E transmit/receive 'NAMES.TEXT' data set name to 'TSOISPF.&SYSUID.NAMES.TEXT.'

f.   INMRZ21R.   TSO/E receive log miscellenous exit.   This exit is used to modify the TSO/E receive 'LOG.MISC' data set name to 'TSOISPF.&SYSUID.LOG.MISC.'

g.   INMXZ21R.   TSO/E transmit log miscellenous exit.   This exit is used to modify the TSO/E transmit 'LOG.MISC' data set name to 'TSOISPF.&SYSUID.LOG.MISC.'

3.10.6.   USMC Standard Utilities.   All Marine Corps standard utilities will be maintained in the data set SYS2.UTLLIB. Examples of standard utilities are PDSPRINT and CLR3270.   An appendix defining these standard utilities is being developed and will be included upon completion.

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Chapter 4

JES ENVIRONMENT

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Chapter 4

JES ENVIRONMENT

4.1. JES CONFIGURATION

4.1.1. JES Procedure Name. The primary JES procedure will be named JES2 and be located in SYS1.PROCLIB. The primary JES procedure will be maintained by each site in the staged member Jssss located in SYSxxx.PROCLIB. "ssss" represents the CPU SYSID. The MCCTA Operation Center (MOC) will implement changes as requested by local sites via a batch crossover procedure.

4.1.2. Procedure Library Concatenations

a. The primary JES procedure will contain a PROC00 DD concatenation containing all required procedure libraries. The first of these two libraries in the concatenation will be SYS1.PROCLIB and SYSTEMS.PROCLIB.

b. The use of other DD concatenations will be avoided if at all possible. Exceptions may include:

(1) Contract requirements.

(2) Unique user requirements like those of Computer Sciences School.

4.1.3. JES Start-up Parameters. The JES start-up parameters will be named JES2ssss and be located in SYS1.PARMLIB. The JES start-up parameters will be maintained by each site in the staged member JES2ssss located in SYSxxx.PARMLIB. "ssss" represents the SYSID, i.e. PP0A. The MOC will implement changes as requested by local sites via a batch crossover procedure.

4.1.4. Contingency Considerations. In order to ensure the primary JES subsystem can be started in the event of a procedure library problem, the following symbolic parameters will be coded in each JES procedure:

a. &MEM - JES Start-up Parameter Member.

b. &DSN# - Procedure library data sets in concatenation, with # representing concatenation position.

c. &VOL# - Procedure libraries volumes in concatenation, with # representing concatenation position.

4.1.5. Spool Offload. Spool offload is the process by which data that is stored on the JES2 spool data set is dumped to a dump, or hold data set. Spool is the primary medium for all JES2 data. All input jobs, and a large percentage of system output

are stored on the spool. JES2 gives us the capability to offload
(TRANSMIT), and later reload (RECEIVE) data from and to spool.
This capability uses either tape or DASD volumes as the offload
medium. All jobs and SYSOUT that have been off loaded
(TRANSMITTED) will be purged. Each site will allow for not less
than three logical offload devices. i.e. OFFLOAD1, OFFLOAD2, and
OFFLOAD3. Offload data sets will be named SYS1.JES2.DUMPLOAD1,
2, and 3.

4.2. STANDARD PARAMETER SETTINGS

4.2.1. JES2 Buffer Definitions

a. Number of JES2 buffers recommended is 450, - BUFNUM=450.

b. Warning threshold will be set to 80%, - BUFWARN=80.

4.2.2. Compaction Table. The JES2 compaction table will be coded exactly as follows:

```
COMPACT   NAME=TABLE001,          /* NAME OF COMPACTION TABLE */
          NUMBER=1,               /* COMPACTION TABLE #       */
          CHARS=(14,              /* # OF MASTER CHARACTERS   */
          40,0,1,2,3,4,5,6,7,     /*   MASTER                 */
          8,9,6B,/,*,             /*         CHARACTERS       */
          A,B,C,D,E,F,G,H,I,      /*   NON MASTER             */
          J,K,L,M,N,O,P,Q,R,      /*         CHARACTERS       */
          S,T,U,V,W,X,Y,Z,@,      /*                          */
          #,$,%,&,4D,5D,_,60,     /*                          */
          +,=,5F,:,;,",',4C,      /*                          */
          6E,.,?)
```

4.2.3. Console Communication Definitions (CONDEF)

a. Number of auto commands will be at least 64, AUTOCMD=64.

b. Backspace character will be 00, BSPACE=00.

c. Number of console monitor buffers recommended is 260,
BUFNUM=260.

d. Warning threshold will be 80%, BUFWARN=80.

e. The console command character will be '$', CONCHAR=$.

f. The number of queued messages recommended is 200,
MASMSG=200.

g. All messages will be proceeded by HASP Id, MSGID=YES.

h. The reader command character will be '$', RDRCHAR=$.

4.2.4. <u>Output Estimation Parameters</u>. The OPT option on the following statements will be set to 0, OPT=0. This will allow all jobs to continue processing.

    a. ESTBYTE - Estimated Spool Utilization for Output Exceeded.

    b. ESTIME - Estimated Execution Time Exceeded.

    c. ESTLNCT - Estimated Print Output Exceeded.

    d. ESTPAGE - Estimated Page Output Exceeded.

    e. ESTPUN - Estimated Punch Output Exceeded.

4.2.5. <u>JES2 Multi-Access Spool Configuration Definitions (MASDEF)</u>

    a. The minimum length of time a member of a multi-access spool configuration must wait after releasing control of the shared queues before attempting to gain control of them is recommended as one second. The maximum length of time a member of a multi-access spool configuration may refrain from attempting to gain control of the shared queues is recommended as five seconds, DORMANCY=(100,500).

    b. The minimum length of time a member of a multi-access spool configuration must maintain control of the shared queues after gaining control of them is recommend as .5 seconds, HOLD=50.

    c. The lockout warning time recommended is 10 seconds, LOCKOUT=1000.

    d. The owning system identification will be set to the CPU system Id, OWNSID=xxxx, i.e. OWNSID=GG0A.

    e. The SHARED= parameter defaults to CHECK, implying that spool and checkpoint devices are shared. In a single-system environment, SHARED=NOCHECK, should be coded.

    f. The system identification of the owning system will always be 1, SID1=xxxx, i.e. SID1=GG0A.

    g. The synchronous tolerance should be set to 120 seconds, SYNCTOL=120.

4.2.6. <u>JES2 Network Job Entry (NJE) Definitions (NJEDEF)</u>

    a. The delay time will be set to 120 seconds, DELAY=120.

    b. The number of network job receivers will be two, JRNUM=2.

c.   The number of network job transmitters will be two, JTNUM=2.

d.   The number of NJE lines will be at least 60, LINENUM=60.

e.   The number of NJE connections will be at least 1000, NATNUM=1000.

f.   The maximum number of nodes will be 132, NODENUM=132.

g.   The number of paths to any given node will be two, PATH=2.

h.   The maximum tolerable resistance of a connection will be 250, RESTMAX=250.

i.   The node resistance value will be one, RESTNODE=1.

j.   The maximum difference in resistance allowed between the best possible path and an acceptable alternate path will be set to zero, RESTTOL=0.

k.   The number of SYSOUT receivers will be four, SRNUM=4.

l.   The number of SYSOUT transmitters will be four, STNUM=4.

4.2.7.   JES2 Job Output Definitions (OUTDEF)

a.   The number of copies allowed will be at least 30, COPIES=30.

b.   The warning threshold for job output elements will be 80%, JOEWARN=80.

c.   The default forms will be STD, DEFFORM=STD.

4.2.8.   SMF Buffer Definitions (SMFDEF)

a.   The number of SMF buffers will be five, BUFNUM=5.

b.   The warning threshold will be set to 80%, BUFWARN=80.

4.2.9.   JES2 Teleprocessing Definitions (TPDEF)

a.   The number of teleprocessing buffers will be 300, BUFNUM=300.

b.   The size of the teleprocessing buffers will be 2048, BUFSIZE=2048.

c.   The warning threshold will be set to 80%, BUFWARN=80.

d.   The multi-leaving buffer size will be 2048,

MBUFSIZE=2048.

    e.   The maximum number of simultaneous VTAM sessions will be 50, SESSION=50.

    f.   The wait value will be set to one, WAIT=1.

4.2.10. <u>NJE Node Numbers Assignment</u>. Appendix D provides the NJE node numbers for Marine Corps sites. Nodes will be defined within the below restrictions:

    a.   Node numbers 1 - 19 are assigned by MCCTA for bridging to other DOD networks.

    b.   Node numbers 20 - 49 are original nodes as designated by MCCTA.

    c.   Node numbers 50 - 59 are reserved for TCAP and deployed assets.

    d.   Node numbers 60 - 78 are site unique.

    e.   Node numbers 79 - 99 are reserved for ESF.

    f.   Node numbers 100 - 115 are reserved for AS400s and other small NJE platforms.

4.3. <u>JES DATA SET NAMES</u>

4.3.1. <u>Check Point Data Set</u>. Checkpoint data sets will be named SYS1.XXXX.CHECKPT1 AND SYS1.XXXX.CHECKPT2 where 'XXXX' represents the four character SYSID of the operating system. Two checkpoint data sets will be allocated in order to operate JES2 in DUPLEX mode. The primary data set is specified by CKPT1= parameter in the CKPTDEF initialization statement, and the duplex data set is specified by the CKPT2= parameter in the same statement. There is no requirement that these two data sets be on unique volumes; however, for performance reasons, and increased recovery potential, it is strongly recommended that you place them on separate volumes.

4.3.2. <u>HASP Space Data Set</u>. The HASP Space data set will be called SYS1.HASPACE. To ensure proper spool volume utilization ensure the VTOC for spool volumes is located on cylinder 0 of the volume.

4.4. <u>CHANNEL EXTENDED DEVICE DEFINITIONS</u>. Implementation Standards. The installation of channel extended I/O devices requires the implementation of route codes, standardized JES printer definitions and the addition of destination identifiers. The standards for these definitions are provide below:

4.4.1. _Printer Names_. Printer Names will be constructed as
follows:

```
                                        PRT nn ##
                                         .   .  .
Constant . . . . . . . . . . . . . . . . .   .  .
                                             .  .
RJE Node number  . . . . . . . . . . . . . . .  .
  (see Appendix D)                              .
                                                .
Sequential Printer Number for the RJE site  . . .
```

4.4.2. _Route Codes_. Route Codes will be constructed as follows:

```
                                        U nn tt
                                        . .  .
Constant  . . . . . . . . . . . . . . . .  .  .
                                           .  .
RJE Node number . . . . . . . . . . . . . .  .
                                              .
Printer type  . . . . . . . . . . . . . . . . .
```

      00 - All printers which can print most output types (i.e.
Line & Page Printers). For use if type of printer is
not important.

      01 - Line Printer
      02 - Microfiche
      03 - Laser Printer

4.4.3. _Destination Names_. Destination Names will be constructed
as follows:

```
                                        sss xxxxx
                                        .    .
Site Designator . . . . . . . . . . . . .    .
                                             .
Printer Description  . . . . . . . . . . . . .
```

      PRT   - Type 00 *
      LINE   - Type 01
      FICHE - Type 02
      LASER - Type 03

      * Printer type ## defined above.

4.4.4. _Sample Definitions_. The following examples use Node 41
which is assigned to Kaneohe Bay Hawaii.

      a. Sample JES Definitions

          PRT4101   CLASS=AR,DRAIN,DSPLTCEL,FCB=8,UNIT=11E,
                    R=(U4101,U4100),WS=(F,R,W,Q,PMD,LIM/T,C,P)

```
PRT4102    CLASS=AR,DRAIN,DSPLTCEL,FCB=8,UNIT=12E,
              R=(U4101,U4100),WS=(F,R,W,Q,PMD,LIM/T,C,P)
PRT4103    CLASS=AR,DRAIN,DSPLTCEL,FCB=8,UNIT=13E,
              R=(U4103,U4100),WS=(F,R,W,Q,PMD,LIM/T,C,P)
PRT4104    CLASS=AR,DRAIN,DSPLTCEL,FCB=8,UNIT=14E,
              R=(U4102),WS=(F,R,W,Q,PMD,LIM/T,C,P)


DESTID     DEST=U4100,NAME=KBJPRT
DESTID     DEST=U4101,NAME=KBJLINE
DESTID     DEST=U4102,NAME=KBJFICHE
DESTID     DEST=U4103,NAME=KBJLASER
```

b. Sample Execution JCL

```
//           JOB
//KBJ1       OUTPUT DEST=KBJPRT
//KBJ2       OUTPUT DEST=KBJLASER
//KBJ3       OUTPUT DEST=KBJFICHE
//STEP1      EXEC   PGM=
//SYSOUT     DD SYSOUT=A,OUTPUT=(*.KBJ1)
//SYSPRINT   DD SYSOUT=8646,OUTPUT=(*.KBJ2)
//SYSFICHE   DD SYSOUT=M,OUTPUT=(*.KBJ3)
```

c. Notes

(1) KBJ1 output will be assigned a route code of U4100.
KBJ2 output will be assigned a route code of U4103. KBJ3 output
will be assigned a route code of U4102.

(2) Based on the JES printer definitions either PRT4101,
PRT4102 or PRT4103 are eligible to select KBJ1 output for print.

(3) PRT4103 will only select KBJ2 output for print.

(4) PRT4104 will only select KBJ3 output for print.

(5) Had a route code of 4101 been assigned, only PRT4101
and PRT4102 would have selected the output for print.

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Chapter 5

VTAM ENVIRONMENT

Chapter 5

VTAM ENVIRONMENT

5.1. <u>GENERAL</u>. The network standards defined in this chapter
will allow, when fully implemented by all MCDN nodes, every
terminal to access all network resources through a common
interface. Host and NCP subareas are identified in Appendix D.

5.2. <u>SOURCE PRODUCTION LIBRARY</u>. All production source will
reside in VTAMLST. Member names in VTAMLST will include:

5.2.1. <u>Start-Up Member Names</u>

    a. The member name "ATCSTRxx" in VTAMLST defines a list of
user defined values to supplement or override default values to
VTAM.

$$\text{ATCSTR} \qquad \text{xx}$$

Two digit Host Subarea Identifier . . . .

    Example: ATCSTR07   for MQG Quantico

    b. The member name "ATCCONxx" in VTAMLST specifies the list
of major nodes to be activated at VTAM initialization.

$$\text{ATCCON} \qquad \text{xx}$$

Two digit Host Subarea Identifier . . . .

    Example: ATCCON07   for MQG Quantico

    c. The member "ATCSTR00" is an essential member.

5.2.2. <u>Cross-Domain Resource Manager (CDRM)</u>

    a. The member name "CDRMHOST" in VTAMLST identifies the
active ACF/VTAM hosts in the MCDN network. In this table the
macro CDRYN=YES and CDRSC=OPT will always be coded so that
cross-domain sessions can dynamically take place.

$$\text{CDRMHOST}$$

CDRMHOST Designation ("CDRMHOST") . . . .

b. The member name "xxGWCDRM" in VTAMLST identifies the active ACF/VTAM hosts accessed through gateways outside of the MCDN network.

```
                                                        xx    GWCDRM
                                                         .     .
Site designator . . . . . . . . . . . . . . .            .
                                                               .
Default Gateway CDRM list designator . . . . . . .
```

Example: GGGWCDRM

5.2.3. SSCP Major Node

a. The default SSCP (xyyySSCP), lists major nodes resident on each network host, defines all other hosts within MCDN and permits dynamic cross-domain session initiation for most LU-LU sessions within MCDN.

```
                                                x     yyy     SSCP
                                                .      .       .
First character of site designator . . .               .       .
                                                       .       .
Subarea of host . . . . . . . . . . . . . . . .                .
                                                               .
Default MCDN SSCP list designator . . . . . . . . . . .
```

Example: G007SSCP

b. Gateway SSCP (xxGWSSCP), coded on each network host, defines hosts external to MCDN that will permit dynamic cross-domain session initiation for most LU-LU sessions.

```
                                                        xx    GWSSCP
                                                         .     .
Site designator. . . . . . . . . . . . . . . .           .
                                                               .
Default Gateway SSCP designator . . . . . . . . .
```

Example: GGGWSSCP

5.2.4. Cross-Domain Resources (CDRS)

a. This table identifies the miscellaneous applications available within the MCDN network. It works in conjunction with the MCDN SSCP table.

```
                                                MCDNCDRS
                                                   .
MCDNCDRS Designation ("MCDNCDRS"). . . . . . .
```

b. This table identifies the miscellaneous applications available outside the MCDN network. It works in conjunction with the Gateway SSCP table.

```
                                                  xx      GWCDRS
                                                   .         .
        Site designator . . . . . . . . . . . . . .         .
                                                             .
        Default Gateway CDRS designator : . . . . . . . . . .

        Example:  GGGWCDRS
```

5.2.5. <u>Path Table Name</u>. A table in VTAMLST which identifies the paths from one host to another.

```
                                             x      yyy      PATH
                                             .       .        .
        First character of Site Designator . . .     .        .
                                                      .        .
        Subarea of Host . . . . . . . . . . . . . . . .        .
                                                               .
        PATH Table Designation ("PATH"). . . . . . . . . . . . .

        Example:  G007PATH          P029PATH
```

5.2.6. <u>CA Major Node For Channel-to-Channel Adapter (CTCA)</u>

    a. Member name for channel-to-channel adapter.

```
                                         C     xxx     C      yyy
                                         .      .      .        .
        CTCA designator ("C") . . . . . .       .      .        .
                                                .      .        .
        Originating host subarea . . . . . . . .       .        .
                                                       .        .
        CA designator ("C") . . . . . . . . . . . . . .        .
                                                                .
        Destination host subarea . . . . . . . . . . . . . . . .
```

    b. Label for GROUP, LINE, and PU macros within CTCA major node.

```
                                         G/L/P   xxx   G/L/P   yyy
                                           .      .      .      .
        Group, line or pu ("G","L"or"P") . .      .      .      .
                                                  .      .      .
        Originating host subarea . . . . . . . . .       .      .
                                                          .      .
        Group, line or pu designator ("G","L"or"P") . . .       .
                                                                 .
        Destination host subarea . . . . . . . . . . . . . . . . .
```

Example: C007C009   G007G009
           L007L009   P007P009

5.2.7.   Channel Attached Non-SNA 3270 Logical Units

   a.   Member name for channel attached non-SNA 3270 logical
units.

	xx	M	yyy
Site Designator*			
Major node designator ("M")			
Subchannel UCB			

   b.   Terminal identification for channel attached non-SNA
logical units.

	xx	C/P	yyy	zz
Site Designator*				
Session Type				
(CRT, Printer)				
Subchannel UCB				
Port Address from 00-FF				

Example: TTM980   TTC98001
           TTP98102   TTC98203

   *For sites with multiple hosts, the second character may
   be changed to designate host A, B, etc. (Ex. TAC98001)

5.2.8.   Channel Attached SNA 3270 Logical Units

   a.   Member name for channel attached SNA 3270 logical units.

	xx	M	yyy
Site Designator*			
Major node designator ("M")			
Subchannel UCB			

   b.   Controller identification for channel attached SNA 3270
physical units.

	xx	U	yyy
Site Designator*	.	.	.
Control Unit Designator ("U")	.	.	.
Subchannel UCB	.	.	.

c. Terminal identification for channel attached SNA logical units.

	xx	C/P/R/S	yyy	zz
Site Designator*	.	.	.	.
Session Type . . . . (CRT, Printer, RJE, SNADS)	.	.	.	.
Subchannel UCB	.	.	.	.
Device Address from 00-FF	.	.	.	.

Example: TTM640
           TTU640
           TTC64001
           TTC64002

*For sites with multiple hosts, the second character may be changed to designate host A, B, etc. (Ex. TAC64001)

5.2.9. <u>NCP Token Ring Interface (NTRI) Logical Units</u>

a. Member name for NTRI logical units.

	NTRI	yyy	x
NTRI Designator ("NTRI")	.	.	.
Subarea of hardware connection	.	.	.
Device Type	.	.	.

        A= IBM AS400s
        B= Banyan 3270 Services
        I= Independent LU Devices
        R= x3R Control Units
        S= Softswitch Gateways
        W= Individual Workstations
            (I.E..Attachmate, IBM Workstation, Etc..)

b. Controller identification for NTRI physical units.

	xx	V	d	pp
Site Designator	.	.	.	.
Control Unit Designator ("V")		.	.	.
Device Type (Same as above).			.	.
Sequence number assigned to PU				.

c. Terminal identification for NTRI logical units.

	xx	V/P/S	d	pp	zz
Site Designator	.	.	.	.	.
Session Type . . . . (Video, Printer, SNADS)		.	.	.	.
Device Type (Same as above)			.	.	.
PU Sequence number.				.	.
Device Address from 00-FF . . . . (Banyan 3270 Services 1st LU will be 02 to match the Service configuration)					.

Example: NTRI207B   (Banyan 3270 Services)
          GGVB01   (Banyan PU)
          GGVB0102   (1st Banyan LU)
          NTRI207R   (x3R Controllers)
          GGVR01   (x3R PU)

5.2.10. Local Token Ring Interface (LTRI) Logical Units

a. Member name for LTRI logical units.

	LTRI	yyy	x
LTRI Designator ("LTRI")	.	.	.
Subchannel UCB		.	.
Device Type . . . . A= IBM AS400s B= Banyan 3270 Services I= Independent LU Devices R= x3R Control Units S= Softswitch Gateways			.

W= Individual Workstations
(I.E..Attachmate, IBM Workstation, Etc..)

b. Controller identification for LTRI physical units.

```
                                          xx      V      yyy
                                           .      .       .
Site Designator . . . . . . . . . . . .    .      .       .
                                                  .       .
Control Unit Designator ("V") . . . . . . . . .   .       .
                                                          .
Subchannel UCB (Same as above) . . . . . . . . . . . . .  .
```

c. Terminal identification for LTRI logical units.

```
                                      xx     C/P/S    yyy    zz
                                       .       .       .      .
Site Designator . . . . . . . . .      .       .       .      .
                                               .       .      .
Session Type . . . . . . . . . . . . . .       .       .      .
 (CRT, Printer, SNADS)                                 .      .
                                                       .      .
Subchannel UCB (Same as above) . . . . . . . . . . .   .      .
                                                              .
Device Address from 00-FF . . . . . . . . . . . . . . . . .   .
```
(Banyan 3270 Services 1st LU will be 02 to match the
   Service configuration)

Example: LTRI095B   (Banyan 3270 Services)
          BKV095   (Banyan PU)
          BKC09502   (Banyan LU)
          BKP09503   (Banyan Printer LU)
          LTRI960S   (SNADS Services)
          GGV960   (SNADS PU)
          GGS96000   (SNADS LU)
          GGS96001   (SNADS LU)

5.2.11. Switched Network Logical Units

a. Member name for switched network logical units.

```
                                         SNET      yyy
                                           .        .
Switched network designator ("SNET") . . .          .
                                                    .
Subarea of hardware connection. . . . . . . . . . . .
```

b. Controller identification for switched network physical units.

```
                                   xx          D          ppp
                                   .           .          .
Site Designator . . . . . . . . .              .          .
                                               .          .
Control Unit Designator ("D") . . . . . .                 .
                                                          .
Sequence number assign to PU . . . . . . . . . . .
```

c. Terminal identification for switched network logical units.

```
                                 xx        D/P        ppp        zz
                                 .          .          .          .
Site Designator . . . . . .                .          .          .
                                           .          .          .
Session Type . . . . . . . . . . . . .                .          .
   (Dialup CRT, Printer)                              .          .
                                                      .          .
PU sequence number . . . . . . . . . . . . . .                   .
                                                                 .
Device Address from 00-FF . . . . . . . . . . . . . . .
```

Example: SNET075
           GGD001
           GGD00100
           GGP00101

Note: The labels for the LINE and PU macro coded within
        the NCP generation should follow naming
        conventions outlined in sections 5.4.6. and
        5.4.7. respectively.

5.2.12. Application Major Node Names. These are major nodes on
VTAMLST identifying the applications. Entries in these major
nodes (known as minor nodes or APPLIDs) identify applications on
the host, and will be in the format described in paragraph
5.2.13. Application Pseudo Definitions are described in
paragraph 5.2.14.

```
                                 xx        nnnn       M          y
                                 .          .         .          .
Site Designator* . . . . . . . .           .         .          .
                                           .         .          .
Application major node . . . . . . . .               .          .
   (see Appendix N)                                  .          .
                                                     .          .
Major node designation ("M") . . . . . . . . .                  .
                                                                .
Major node number (0-9, A-Z) . . . . . . . . . . . .
```

(For CICS MRO, Specify P (Prod), T (Test) or D
(Development) each of which will contain all minor
nodes for that MRO)

(At the major node level, the major node number is used
to distinguish, between multiple copies of the same
application on the same host. This number should match
the minor node number of the minor node name
(paragraph 5.2.13.) with certain exceptions as
specified.)

* For sites with multiple hosts, the second character
  of the site designator may be changed to designate
  host A, B, etc (Ex. TATSOM0)

Example: PPROSCM0 - ROSCOE major node at CPP
          GGCICSMP - CICS major node at MQG for
                     Production MRO Regions
          GGCICSMT - CICS major node at MQG for Test
                     MRO Regions

5.2.13. Application Minor Node Names

a.   These are the minor nodes (APPLIDS) identifying the
applications defined to ACF/VTAM.   These minor nodes are entries
in the application major node tables and the cross domain
resource table (MCDNCDRS).

```
                                       xx     nnnn      P/T/D      z
                                       .      .         .         .
Site Designator* . . . . . . .         .      .         .         .
                                       .      .         .         .
Application minor node . . . . . . . . .      .         .         .
   (see Appendix N)                           .         .         .
                                                        .         .
Production (P), Test (T) or Development (D) . .         .         .
                                                                  .
Minor node number (0-9, A-Z) . . . . . . . . . . . . . . . . . . .
```

(Minor node number is used to distinguish, at the minor
node level, between multiple copies of the same
application on the same host. This number should match
the major node number of the major node name (paragraph
5.2.12.) with certain exceptions as specified.(Ex.
GGCICSP0 would be in GGCICSMP major node)

*For sites with multiple hosts, the second character of
the site designator may be changed to designate host A,
B, etc. (i.e. TANPMP0)

Examples: GGROSCP0 - Production ROSCOE minor node at MQG
           BBCICSP1 - Second CICS minor node at CLB
           TTCA7P0 - Production CA7 minor node at KCT

As noted in Appendix E, the APPLID for JES2 must match the "Node ID" as defined in JES2.

Example: GGJES2M0 - JES2 major node at MQG
          MQG   - JES2 minor node at MQG

     b. File Transfer Program (FTP) has unique requirements for its APPLID. They will be specified in the following format:

	xx	FTP	x	y
Site Identifier	.	.	.	.
Application	.	.	.	.
Application Designator		.	.

Example: "S"   Sending APPLIDs for Host Site
           "G"   Receive APPLIDs for MQG
           "X"   Receive APPLIDs for MQX
           "T"   Receive APPLIDs for KCT
           "R"   Receive APPLIDs for OKR
           "A"   Receive APPLIDs for ALA
           "B"   Receive APPLIDs for CLB
           "P"   Receive APPLIDs for CPP
           "U"   Receive APPLIDs for DFU
           "V"   Receive APPLIDs for DFV
           "W"   Receive APPLIDs for DFW
           "Y"   Receive APPLIDs for DFY

Minor Node Number (0 - 9) . . . .

Each Site will have APPLs defined for their sending and all other major sites receiving appls.

Example:
    GGFTPM0   - FTP major node at MQG
    GGFTPS0-9 - FTP Sending APPLIDs at MQG
    GGFTPT0-9 - FTP Receiving APPLIDs for KCT at MQG
    GGFTPA0-9 - FTP Receiving APPLIDs for ALA at MQG
    GGFTPR0-9 - FTP Receiving APPLIDs for OKR at MQG
    GGFTPB0-9 - FTP Receiving APPLIDs for CLB at MQG
    GGFTPP0-9 - FTP Receiving APPLIDs for CPP at MQG
    GGFTPU0-9 - FTP Receiving APPLIDs for DFU at MQG

     c. NETVIEW, NCCF and TSO require a five character APPLID due to naming conventions for application pseudo definitions.

(1) Netview and NCCF will have the following format.

```
                                          xx      y      NV/NC
                                           .      .        .
Site Identifier . . . . . . . .            .      .        .
                                                  .        .
Host A, B, etc . . . . . . . . . . .              .        .
                                                           .
NETVIEW/NCCF Designator ("NV","NC") . . . . . .            .
```

    Example: GGNETVM0 - NETVIEW Major mode at MQG
              GGANV   - NETVIEW Host A minor node at
                          MQG
              PJNCCFM0 - NCCF major node at KBJ
              PJANC   - NCCF Host A minor node at
                          KBJ

(2) TSO will have the following format:

```
                                          xx     TSO
                                           .      .
Site Identifier* . . . . . . . . . . .     .      .
                                                  .
TSO Designator . . . . . . . . . . . . . . . .    .
```

    *For sites with multiple hosts, the second
    character of the site designator may be changed
    to designate host A, B, etc. (i.e. TATSO)

    Example: RRTSOM0 - TSO Major node at OKR
              RRTSO   - TSO Host A minor node at OKR

5.2.14. Application Pseudo Definitions. These are definitions
required by specific applications for terminal interface. These
will have the following format for the application specified.

Netview Application Pseudo Definitions will be controlled by
MCCTA depending on what the definition is required for.

    a. TSO will have the following format:

```
                                          xx     TSO     yyy
                                           .      .       .
Site Identifier* . . . . . . . . . . .     .      .       .
                                                  .       .
TSO Designator . . . . . . . . . . . . . . . .    .       .
                                                          .
Pseudo Definition Number (001 - 999) . . . . . . . . .    .
```

b. Netview Access Services will have the following format:

```
                                    xx    NV    U/I/S    zzz
                                     .     .      .       .
Site Identifier* . . . . . . .       .     .      .       .
                                           .      .       .
Access Services Designator . . . . .       .      .       .
                                                  .       .
Pseudo Definition Type . . . . . . . . . .        .       .
   (Unique (U), Individual (I), or Shared (S))            .
                                                          .
Pseudo Definition Number (001 - FFF) . . . . . . .
```

c. CA7 for ISPF will have the following format:

```
                                    xx    CA7    yyy
                                     .     .      .
Site Identifier* . . . . . . . .     .     .      .
                                           .      .
CA7 for ISPF Designator. . . . . . . .     .      .
                                                  .
Pseudo Definition Number (001 - 999). . . . .
```

d. INFOPAC will have the following format:

```
                                    xx    INF    yyy
                                     .     .      .
Site Identifier* . . . . . . . .     .     .      .
                                           .      .
INFOPAC Designator . . . . . . . . . .     .      .
                                                  .
Pseudo Definition Number (001 - 999). . . . .
```

e. TMON for CICS will have the following format:

```
                                    xx    TC    I/P/D/T    zzz
                                     .     .       .        .
Site Identifier* . . . . . . .       .     .       .        .
                                           .       .        .
TMON for CICS Designator . . . . .         .       .        .
                                                   .        .
Pseudo Definition Type . . . . . . . . . . .       .        .
   (Use (I) if TMONCICS monitors all CICS regions)          .
   (Use (P) if TMONCICS monitors only Production)           .
   (Use (D) if TMONCICS monitors only Development)          .
   (Use (T) if TMONCICS monitors only Test)                 .
                                                            .
Pseudo Definition Number (001 - FFF) . . . . . . . .
```

f.   TMON for MVS will have the following format:

                                               xx   TMV   yyy
                                               .   .   .
Site Identifier* . . . .
                                                       .   .
TMON for MVS Designator. . . . .
                                                                .
Pseudo Definition Number (001 - 999). . . . .

g.   AUTOMATE will have the following format:

                                             xx   AOI   G/U   yy
                                             .   .   .   .
Site Identifier* . . . .
                                                     .   .   .
AUTOMATE Designator . . . .
                                                             .   .
Pseudo Definition Type . . . .
   (Group (G) or Unique (U))   .
                                                                      .
Pseudo Definition Number (01 - 99) . . . .

   *For sites with multiple hosts, the second character
   of the site designator may be changed to designate host
   A, B, etc.

5.2.15. Network Control Program (NCP) Name

                                             xx   p   n   y
                                             .   .   .   .
                                             .   .   .   .
Site Designator . . . .
                                                             .   .   .
Communications Processor "A", "B", etc. . .   .   .   .
                                                                   .   .
Communications Processor Model . . . .
                                                                         .
   Comten 5675B: 0   .
   Comten 5645 : 1   .
   IBM 3745   : 2   .
   Comten 3690 : 4   .
   IBM 3720   : 6   .
   Future Use : 3,5,7,8 & 9   .
Gen Cycle Sequence from "A" to "E" . . . .

   Example: GGA4A   (Comten 3690)
              GGC2C   (IBM 3745)
              GGA0E   (Comten 5675B)

5.2.16. Channel-Attached (CA) Major Node For NCPs. CA major
nodes for NCPs are used to provide access between an NCP and a

channel-attached host that does not own the non-shareable
resources of that NCP.

    a.   Member name for channel-attached major node.

	N	xxx	C	yyy
NCP CA designator ("N")	.	.	.	.
Subarea of channel-attached NCP		.	.	.
CA designator ("C")			.	.
Subarea of host				.

    b.   Label for GROUP and LINE macros within CA major node.

	G/L	xxx	G/L	yyy
Group or line designator . . . . ("G" or "L")	.	.	.	.
Subarea of channel-attached NCP		.	.	.
Group or line designator ("G" or "L")			.	.
Subarea of host				.

    c.   Label for PU macro with CA major node.

	NCP	xxx
NCP designator ("NCP")	.	.
Subarea of channel-attached NCP		.

    Example: N206C013   G206G013
               L206L013   NCP206

5.3. **NETWORK PRODUCTION LOAD LIBRARY.** All production network
link edited modules will reside in VTAMLIB. Member names on
VTAMLIB will include:

5.3.1. **Class-of-Service Table.** The class-of-service table will
be ISTSDCOS.

5.3.2. **Mode Table.** The default mode table will be MCDNMODE.
The IBM distributed table ISTINCLM will be used as the alternate.
Exceptions to this are those mode tables required for Pseudo
Terminal definitions for specific application definitions. All
other definitions will code MODETAB=MCDNMODE. This searches

MCDNMODE first, then searches ISTINCLM. If no matching entry
found, then the first entry in MCDNMODE, which is D4A32782, will
be selected.

5.3.3. Unformatted System Services (USS) Table. The USS tables
will be:

      USSNETWK - For Standard services
      USSPRTRS - For printers

5.3.4. NCP Load Modules and Associated Tables. NCP load modules
will be named as specified in para 5.2.15. Additionally, the NCP
resource resolution table (RRT) and NPM resolution table (NRT)
will reside in VTAMLIB. These have the same name as the NCP load
module with either an 'R' (RRT) or an 'N' (NRT) added. These are
generated automatically by the NCP gen process.

5.4. SOURCE AND MACRO STANDARDS. The following standards apply
to communication processor source:

5.4.1. Communications Processor Load Module Name

```
                                          xx      p    n    y
                                          .       .    .    .
Site Designator . . . . . . . . . . .             .    .    .
                                                  .    .    .
Communications Processor "A", "B", etc. . . . .   .    .
                                                  .    .
Communications Processor Model . . . . . . . . . .     .
     Comten 5675B: 0                                   .
     Comten 5645 : 1                                   .
     IBM 3745    : 2                                   .
     Comten 3690 : 4                                   .
     IBM 3720    : 6                                   .
     Future Use  : 3,5,7,8 & 9                         .
                                                       .
Gen Cycle Sequence from "A" to "E" . . . . . . . . . . .

Example:   GGA4A
           GGC2C
           GGE2E
```

5.4.2. PCCU Macro Label

```
                                          x      yyy    PCCU
                                          .       .      .
                                          .       .      .
First character of site designator . . . .        .      .
                                                  .      .
Subarea of host . . . . . . . . . . . . . . . . . .      .
                                                         .
PCCU Designation ("PCCU") . . . . . . . . . . . . . . . .
```

Example: T002PCCU
          G009PCCU

5.4.3. <u>Host Macro Label</u>. This label is on the host macro in the NCP and is also an entry in the CDRMHOST table in ACF/VTAM.

```
                                           x      yyy     HOST
                                           .       .       .
                                           .       .       .
First character of site designator . . .           .       .
                                                   .       .
Subarea of host . . . . . . . . . . . . . .         .
                                                           .
HOST Designation ("HOST") . . . . . . . . . . . . . . .
```

Example: T002HOST   G009HOST

5.4.4. <u>SDLCST Macro Label</u>

```
                                        xx      PRI/SEC     yy
                                        .          .         .
                                        .          .         .
Site Id of Trunk Origin . . . . . .                .         .
                                                   .         .
Primary/Secondary Designator . . . . . . . .                 .
   ("PRI" or "SEC")                                          .
                                                             .
Site Id of Trunk Destination . . . . . . . . . . . .
```

Example: PMSECPP   BBPRIBK

5.4.5. <u>Group Macro Label For EP, BSC, SDLC, TIC, and Virtual Line Groups</u>

```
                                  xx     GRP    E/B/S/T/V     nn
                                   .      .        .          .
Site Designator* . . . . . . .            .        .          .
                                          .        .          .
Group Designator . . . . . . . . . . .             .          .
                                                   .          .
Group Function. . . . . . . . . . . . . . . .                 .
                                                              .
      "E" - EP                                                .
                                                              .
      "B" - BSC                                               .
                                                              .
      "S" - SDLC                                              .
                                                              .
      "T" - TIC (Token Ring Interface Coupler)                .
                                                              .
      "V" - NPM Virtual Interface                             .
                                                              .
```

Sequence Number from 00 for multiple groups. . . . .

Example: GAGRPB00   GCGRPT00
           BBGRPV00

*For sites with multiple FEPs, the second character of the
site designator must be changed to designate FEP A, B,
etc.

5.4.6.   Line Macro Label For EP, BSC, SDLC, TIC, and Virtual Line Groups

	xx	LINE	nn
Site Designator*.	.	.	.
Line Designator ("LINE").		.	.
Communication Processor Port.			.
(Except Virtual Line, use NV)			

Example: GALINE22   GBLINE56   BBLINENV

*For sites with multiple FEPs, the second character of the
site designator must be changed to designate FEP A, B,
etc.

5.4.7.   Cluster and PU Macro Label For BSC and SDLC Controllers (Network Controller IDs)

	xx	U	nn	x
Site Designator*	.	.	.	.
Controller Designator ("U")		.	.	.
MIM and Port Number			.	.
(Except Virtual PU, use NV)				.
Controller Sequence from "A"				.

Example: PAU22A   PBU23A   BBUNVA

*For sites with multiple FEPs, the second character of the
site designator must be changed to designate FEP A, B, etc.

5.4.8. Terminal Identification (Communication Processor Attached)

```
                                    xx    C/P/S/R/V   yy    z    nn
                                     .        .       .     .     .
Site Designator*. . . . . . . .      .       .       .     .     .
                                              .       .     .     .
Session Type . . . . . . . . . . . . .        .       .     .     .
     (CRT, Printer, Snads, RJE, Virtual)      .       .     .     .
                                                       .     .     .
MIM and Port Number. . . . . . . . . . . . . . .       .     .     .
     (Except Virtual, use NV)                                .     .
                                                             .     .
Control Unit Sequence from A-Z . . . . . . . . . . .         .     .
                                                                   .
Device Address from 00-FF . . . . . . . . . . . . . . . . . .      .
```

        Example: PAC22A10
                   PBP23A11
                   RRC37A20
                   BBVNVA00   (Ensure this matches NPM control
                               definition)

   *For sites with multiple FEPs, the second character of the
   site designator must be changed to designate FEP A, B, etc.

5.4.9. Group Macro Label For CNS and SDLC Links

```
                                        xx    G    yy   PRI/SEC
                                         .    .    .      .
Site Designator of Subline . . . . . .   .    .    .      .
   Origination*                               .    .      .
                                              .    .      .
Group Designator ("G") . . . . . . . . . .    .    .      .
                                                   .      .
                                                   .      .
Site Designator of Subline Destination* . . . .    .      .
                                                          .
Primary/Secondary Designator ("PRI" or "SEC") . . . .     .
```

        Example: PEGPAPRI
                   GIGGBSEC
                   TAGRCPRI

   *For sites with multiple FEPs, the second character of the
   site designator must be changed to designate FEP A, B,
   etc.

5.4.10. CNS Link and Link Station Definitions

a. Link (as it appears on the label of LINE NCP macro).

```
                                        xx    nn    yy    z
                                         .     .     .    .
Site id of trunk origin. . . . . . . .   .     .     .    .
                                               .     .    .
Logical port number. . . . . . . . . . . . . . .     .    .
                                                     .    .
Site id of trunk destination . . . . . . . . . . . . .    .
                                                          .
Type of subline. . . . . . . . . . . . . . . . . . . . . .
        "B" - BSC (RJE), "N" - NSS1 & "V" - NCP/VTAM
```

b. Link Stations (as it appears on the label of PU NCP macro).

```
                                   L    xxx    L    yyy
                                   .      .    .     .
Line designator ("L") . . . .      .      .    .     .
                                          .    .     .
Originating NCP subarea  . . . . . .      .    .     .
                                               .     .
Line designator ("L") . . . . . . . . . . .    .     .
                                                     .
Destination NCP subarea . . . . . . . . . . . . . . .
```

Example: PP03PMV   L070L045
          GI01GGN

5.4.11. SDLC Line and Link Station Definitions Under SDLC. Line
and link station definitions using CNS sublines conform to the
standards of 5.4.10. The following ACF/VTAM line and link
station definitions will be used when the cross-subarea link is
under a "pure" SDLC link (i.e., non-CNS).

a. Link (as it appears on the label of LINE NCP macro).

```
                                   L    xxx    yyy    z
                                   .      .     .     .
Line designator ("L") . . . . . .  .      .     .     .
                                          .     .     .
Originating NCP subarea . . . . . . . . . .     .     .
                                                .     .
Destination NCP subarea . . . . . . . . . . . . .     .
                                                      .
Link Station Sequence (A,B,C) . . . . . . . . . . . . .
```

b. Link Station (as it appears on the label of PU NCP macro).

```
                                       S    xxx    yyy    z
                                       .     .      .     .
Line designator ("S") . . . . .        .     .      .     .
                                             .      .     .
Originating NCP subarea . . . . . . .        .      .     .
                                                    .     .
Destination NCP subarea . . . . . . . . . . .       .     .
                                                          .
Link Station Sequence (A,B,C) . . . . . . . . . . . .     .
```

Example: L075061A (First Link Between SA75 and SA61)
          S075061A (First Link Stations between SA75
                   and SA61)

Chapter 6

BATCH ENVIRONMENT

Chapter 6

BATCH ENVIRONMENT

6.1. <u>JOB NAMES</u>. Job names will be structured as shown below.

6.1.1. <u>Production Jobs</u>. Production job names are meant to identify not only the system they are a part of, but the ADP activity responsible for the job. Therefore, all production jobs submitted by an activity will use the originator's site designator, no matter at which site the job is executed.

1st Character:	Single character major site designator.
2nd Character:	Secondary site designator. If no secondary site designator character applies, this position may be a numeric, the 1st character repeated, or special character assigned by the site for indicating organizational divisions or other local needs.
3rd through 6th Characters:	Subject Classification Code (SCC) (as specified in Appendix F)
7th and 8th Characters:	Local use

6.1.2. <u>Ad Hoc User Jobs</u>. User submitted jobs (i.e., those not associated with a Class I, II, or III AIS; or associated with the maintenance of the production environment) will use job names assigned as follows:

1st through 4th Characters:	The submitter's TSS department ACID. If the user's department ACID contains three characters, then the fourth character may be used as desired; if the department ACID contains more than four characters then all of the department ACIDs characters will be used, reducing the number of characters available for local use.
5th through 8th Characters:	Local use.

6.2. <u>PROCEDURE NAMES</u>. Procedures will be named in accordance with the following standards.

6.2.1. <u>Standardized Procedure Names</u>. The procedure names listed below will be implemented with JCL listed in Appendix C at all Marine Corps MVS sites where they are appropriate. These

procedures will reside in SYS1.PROCLIB.

COB2UC	COB2UCG	COB2UCL	COB..JCLG
ASMHC	ASMHCG	ASMHCL	ASMHCLG

6.2.2. Production Procedure Names

a. One Character Site Designators. Activities with one character site designators will use the following convention:

(1) The 1st character will be the designator code of the sponsoring ADP activity (see Appendix A).

(2) The 2nd through 5th digits will be the subject classification relating to the particular job (see Appendix F).

(3) The 6th, 7th, and 8th characters will be assigned by the sponsoring activity.

b. Two Character Site Designators. Activities with two character site designators will use the following convention:

(1) The 1st and 2nd characters will be the designator code of the sponsoring ADP activity (see Appendix A).

(2) The 3rd through 6th digits will be the subject classification relating to the particular job (see Appendix F).

(3) The 7th and 8th digits will be assigned by the sponsoring activity.

6.3. STEP NAMES. Each step will be named by the sponsoring ADP activity, and this name will be used by all ADP activities. Step names are to be the same as the associated procedure name except the 8th character of the step name will be a sequence number: 1-9 and A-Z.

6.4. BULK DATA AND ROUTE EXECUTE ACIDs. ("xx" below represents the two character site IDs listed in Appendix A.)

6.4.1. xxBULK. This ACID will be used for production bulk data transmission.

6.4.2. xxSYSTEM. This ACID will be used for the transmission of proprietary and operating system data, fixes, and modules.

6.4.3. xxMCDN. This ACID will be used for the transmission of teleprocessing data, resource resolution tables and GENS.

6.4.4. xxXPORT. This ACID will be used by CDAs to transmit Class I releases, fixes, and updates.

6.5. <u>BULK DATA ROUTE CODES</u>. The route (or section) code will be "BULK" for production jobs, all others will use either a section assigned by the receiving site or a route code of "#XXZ" (where "XX" is the originating site's two character site designator and "Z" represents any character).

6.6. <u>SUBJECT CLASSIFICATION CODES (SCC)</u>. The SCC is four alphanumeric characters contained within the Job Identification Number (JIN). The function of the SCC is to identify the subject category of batch components of AISs. The SCC consists of two fields described below. SCCs are assigned by CMC (CCI); those currently authorized are listed in Appendix F.

6.6.1. <u>Subject</u>. This is the first character of the SCC and is used to identify systems by subject categories as follows:

1	Military Personnel
2	Communications
3	Operations and Readiness
4	Logistics
5	General Administration Management
6	Medicine and Dentistry
7	Financial Management
8	Ordnance Material
9	Ships Design and Ships Material
A	General Material
B	Facilities and Activities Ashore
C	Civilian Personnel
D	Aeronautical and Astronautical Material

6.6.2. <u>Subject Class</u>. This is a three character alphanumeric code assigned to each system processed on a Marine Corps Data Network (MCDN) host. Subject classification codes are appended behind the subject category code to form the SCC. Within each SCC, the subject subclass codes are blocked as indicated below.

Class I	000 - 399
Class II	400 - 799
Class III	800 - 999

6.7. <u>ADS CODES</u>. Appendix F lists the ADS codes associated with each authorized SCC. These codes are to be used in the preparation and submission of annual budgets in accordance with MCO P7100.8.

6.8. <u>PRINT, FORMS, MESSAGE, AND JOB CLASSES</u>

6.8.1. <u>Print Classes</u>. The following classes will be defined as follows at all sites. Sites may define other classes according to local standards.

a. Class A: standard output.

b. Class B: punch.

c. Class D: dump.

d. Class F: InfoPac RDS.

e. Class J: special forms.

f. Class M: microfiche.

g. Class R: hold.

h. Class V: SYSLOG. Sites with multiple host will use Class
V on at least one host.

i. Class 0: TSO transmit.

6.8.2. Forms. To be published at a later date.

6.8.3. Message Classes. MSGCLASS=R will be the standard for
holding output.

6.8.4. Job Classes. All offsite non production jobs, including
FTP jobs, will be submitted with CLASS=A. All sites will have an
initiator set to "A" which is defined and available for the
processing of these jobs.

6.9.   ESOTERIC NAMES. The below esoteric names will be
implemented at all sites. Sites may create other esoteric names
for local use. When a specific device type is required, the
generic name will be used.

6.9.1. Direct Access Storage Devices

a. All 3380 DASD will be called: SYSDA.

b. All 3390 DASD will be called: SYSDQ.

6.9.2. Tape Devices. The predominate tape device at a site will
be called: TAPE.

6.10. STORAGE DATA SET NAMES. Each data set name will conform
to the following naming conventions:

6.10.1. High Level Qualifiers. The high level qualifiers will
indicate the ADP activity responsible for the creation,
maintenance, and integrity of the data set as listed in Appendix
B.

6.10.2. Second Level Qualifiers. The second level qualifier
consists of three elements.

a. The first element consists of the owning division's,

department's or user's entire ACID. This element must be included as part of every second level qualifier.

    b. The second element consists of a dollar sign ($). This element is optional, but must be included if the third element is used. The purpose of this element is to act as a separator between the first and third elements to aid scanning of catalogs when assigning data sets to their owners.

    c. The third element consists of any alphanumeric string. Ideally the string should be used to identify the AIS associated with the production data sets.

    d. Examples of valid second level qualifiers for data sets created in support of systems owned by ACID GF are:

        (1) GF.

        (2) GF$.

        (3) GF$ALPS.

        (4) GF$SABRS.

6.10.3. Third Level Qualifiers. The third level qualifier will conform to the following standards:

    a. Data sets created by a production batch job will use the full eight character step name of the step in which the data set is created. If generations of a generation data group are created in different steps, then the data set name will not always reflect the step in which it was created. In this case the system developer will assign the third level qualifier.

    b. All other data sets will use a qualifier which clearly indicates by what means the data set was created. Ideally this qualifier can also indicate the data set's use. For example, "TSOLIB" could be used to label partitioned data sets associated with ISPF users or "FOCUSUPL" might be used for a file created during a file upload through FOCUS.

6.10.4. Fourth Level Qualifiers. The fourth level qualifier will conform to the following standards. Data sets created by a production batch job will use the DDNAME associated with the data set in the step in which it is created and is assigned by the system developer. For members of a generation data group created in more than one step, the DDNAME shall be assigned by the system developer. Because SORTOUT, SYSUT2, etc. are not uniquely descriptive, the system developer is authorized to select a qualifier different than the DDNAME if a data set is created by a utility program.

6.10.5. Fifth and Subsequent Level Qualifiers. The fifth
qualifier is to be the generation number, if required. In the
case of VSAM data sets, CLUS0, DATA0, INDEX0, etc. will be used.
If the data set is not a generation or VSAM data set, then this,
and all other successive qualifiers, may be used at the
discretion of the owner of the data set.

6.10.6. Implementation Note. Unless the above standard is
properly implemented, there is a possibility of ambiguity between
production and user data sets. This is especially critical with
respect to the second level qualifier. The above standard has
been developed assuming that when AISs are fielded, the
functional managers will place all of the resources associated
with each AIS in its own TSS department. These departments will
contain only those resources associated with the AIS. Therefore,
there will be no users having an ACID which can be confused with
an AIS.

6.11. TAPE IDENTIFICATION. All tapes will be identified with a
volume serial number that begins with the owning site's
designator. This allows for 99,999 tapes for major sites and
9,999 for other activities. For example, all tapes at CDA,
Quantico will begin with a "G" and tapes at Cherry Point will
begin with "BY". The remaining characters of the serial number
will be numeric and assigned according to the below scheme:

6.11.1. One Character Site Designator Sites. For sites with one
character designators:

   a. Nine (9) track tapes will be assigned numerics over the
following range: 10000 - 49999.

   b. 3480 tape cartridges will be assigned numerics over the
following range: 50000 - 89999.

   c. Serial numbers in the range from 90000 to 99999 are
reserved for future use.

   d. 3480 tape cartridges reserved for TCAP will be assigned
numerics over the following range: 00001 - 09999.

6.11.2. Two Character Site Designator Sites. For sites with two
character designators:

   a. 9 track tapes will be assigned numerics over the
following range: 0001 - 4999.

   b. 3480 tape cartridges will be assigned numerics over the
following range: 5000 - 7999.

   c. Serial numbers in the range from 8000 to 9999 are
reserved for future use.

6.12.   PROGRAM MODULE NAMES. All program names must conform to the following standards. When the program is a utility, use the utility name for the program name (e.g., IEBGENER).

6.12.1.   Batch COBOL, Assembler, and FORTRAN Programs. Name programs of these types with the same name as the step calling the program. If the program is called by more than one step, then use the name of the first or primary step which calls the program.

6.12.2.   NATURAL Programs. NATURAL programs executed in a production procedure will be named as follows:

    a.   The first six characters will be the same as the procedure name.

    b.   The 7th and 8th positions will be assigned by the AIS sponsor.

6.12.3.   ADAMINTS. Use eight characters in all ADAMINT names. The first three characters will be the designator assigned the AIS. Use an "A" as the fourth character to indicate that the resource is an ADAMINT. Use the remaining four characters to ensure uniqueness of the ADAMINT within the AIS.

6.12.4.   CICS Program Names. See paragraph 7.4.2 for CICS program naming standards.

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Chapter 7

CICS ENVIRONMENT

Chapter 7

CICS ENVIRONMENT

7.1. CONCEPTS AND DEFINITIONS

7.1.1. General. CICS is a general purpose on-line transaction processing system capable of supporting a network of many thousands of terminals. It can be thought of as an operating system within MVS/XA. In these terms, CICS is a specialized operating system that provides an environment for the execution of on-line application programs, including interfaces to files and data base products. CICS performs all of the communication control and service functions that are needed to maintain on-line interactive sessions.

7.1.2. Concept of Operation

a. Multi-Region Operation (MRO)

(1) This operating methodology of CICS allows for multiple copies of CICS to communicate with each other in a manner that is transparent to the end user. The primary goal of an MRO environment is to provide a CICS environment that is more stable and maintainable than a single large region.

(2) The concept of MRO employment that is most commonly implemented throughout the Marine Corps is one with a single Terminal Owning Region (TOR) and Multiple Application Owning Regions (AOR).

b. Inter-Region Communication (IRC). This communications methodology allows for multiple copies of CICS to communicate within the same operating environment. When using IRC, CICS provides for interregion communications that are independent of SNA network facilities.

c. Inter-System Communication (ISC). This communications methodology of CICS allows for multiple copies of CICS to communicate between different host computers. When in the ISC mode, CICS relies on an SNA access method, such as ACF/VTAM, to provide the necessary communication protocols. ISC can also be used to provide communications between CICS tasks on a single host by utilizing the application-to-application facilities of ACF/VTAM.

7.2. CICS COMPLEXES

7.2.1. General. Copies of CICS installed in a MRO manner dedicated to the support of a similar set of tasks or applications groups are referred to as a Complex. The Marine Corps uses the following CICS Complexes:

a.   Production Complex.   This complex is used to support all production applications at a site.   Included are both Class I and Class II applications.

b.   Production Crossover Complex.   This complex is used to support applications evaluation before they are moved into a production status.   This complex is sometimes known as the quarantine complex.

c.   Development Complex.   This complex is used to support the applications development efforts of a site.

d.   ELMS Complex.   This complex is used to support the mainframe based ELMS products and E-Mail distribution software.

e.   Test Complex.   This complex is used for the testing and trouble shooting of CICS and CICS products.

7.2.2.   Complex Configurations.   Configure the complexes in the following manner:

a.   Dedicate one region for use as a Terminal Owning Region.

b.   Share a single CSD file.

c.   Define the complex within a single VTAM Major node.

d.   Use one TMONCICS for all in a complex or all regions executing at site.

7.2.3.   VTAM Definitions.   A single VTAM major node for each CICS complex will be defined.   A separate VTAM minor node for each region within the complex will be defined, if necessary.

a. VTAM Major node names will be: xx   CICS   M   i

Site Designator . . . .

Major Node Identifier . . . .

Production (P), Production Crossover (X), ...
Development (D) or Test (T)

b.   Name VTAM Minor nodes the same as the CICS region name. Paragraph 7.2.4 provides these standards.

7.2.4.   CICS Region Names.   Name CICS Regions according to the following conventions.   Use these standards for the procedure name, VTAM minor node and CICS list names:

```
                                   xx     CICS     P/X/D/T     z
                                    .                  .       .
Site Designator  . . . . . . . . . . .                 .       .
                                                       .       .
Production (P), Production Crossover (X), . . . . . . .        .
Development (D) or Test (T)                                    .
                                                              .
Region Identifier . . . . . . . . . . . . . . . . . . . . . ..
```

The region identifier will be assigned as follows:

```
    0    -   Terminal Owning Region
    1    -   Class I (Non Natural)
    2    -   Class II (Non Natural)
    3-9  -   Site Specific requirements
    N    -   Class I & II (Natural)
  * I    -   Class I (Natural)
  * F    -   Class I Fiscal (Natural)
  * L    -   Class I Logistic (Natural)
  * M    -   Class I Manpower (Natural)
    O,P  -   Office Vision
    Q    - ● PS/CICS & DISOSS (ELMS)
```

  * These regions can be used if it is necessary or desired to further separate the Natural region. Region identifier 'N' will always contain Class II Natural. Do not use identifier F, L, M if region identifier 'I' is used.

7.2.5. Top Secret Facilities. Assign each complex a TSS Facility. The standard TSS facilities are listed below:

    a.   CICSPROD   -   Production Complex

    b.   CICSPRDX   -   Production Crossover Complex

    c.   CICSDEV   -   Development Complex

    d.   CICSTEST   -   Test Complex

    e.   CICSELMS   -   ELMS Complex

7.3. DATA SET NAMES

7.3.1. CICS Systems Data Sets. Name CICS Data sets, standard to all regions, such as load libraries, in accordance with the standards set forth in paragraph 3.2.

7.3.2. CICS Complex Shared Data Sets

    a. The following Data sets will be shared within a CICS complex. The required fourth level qualifier is included after each DATA SET:

(1) CICS System Definition File (DFHCSD).

(2) CICS SYSINLIB DATA SET (SYSINLIB).

(3) CICS Complex Load DATA SET (USERLOAD). **

(4) CICS Complex source DATA SET (USERSRCE). **

** Complex data sets include table definitions.

b. For these Data sets follow the identification standards listed below:

(1) High Level Qualifier. SYSTEMS with the exception of the CICS complex loadlib data set which will be SYS2.

(2) Second Level Qualifier. CICS.

(3) Third Level Qualifier. The CICS complex type. (PROD, PRDX, DEV, TEST)

(4) Fourth Level Qualifier. See paragraph 7.3.2.a.

7.3.3. CICS Non-Shared Data Sets. Name Data sets unique to each CICS region, such as the Re-Start Data Set (RSD) and dump Data sets as follows:

a. High Level Qualifier. SYSTEMS.

b. Second Level Qualifier. CICS.

c. Third Level Qualifier. The CICS region's VTAM application ID.

d. Fourth Level Qualifier. The fourth level qualifier will indicate the DATA SET type (e.g., DUMP, TRACE, etc.).

e. Example. The primary dump data set for the TTCICSP4 region would be named: SYSTEMS.CICS.TTCICSP4.DUMPA.

7.4. CICS SYSTEM DEFINITIONS

7.4.1. CICS Common Group Names. The following groups will be used throughout the Marine Corps. If the product and or associated definitions are used by a CICS region, the groups will be named as follows:

a. ADABAS   -   Production ADABAS PPT/PCT entries.

b. AUTOINST   -   Autoinstall typeterm, terminal and
                      program definitions

c. COBOLII   -   VS/COBOL II

d.	CONSOLES	-	Group containing console definitions
e.	DADSPLUS	-	DADSPLUS Definitions. DADSPLUS is the generic group as installed by the vendor. DADSXXXX will include MRO transactions where XXXX is the SYSIDNT of the TOR
f.	DFH	-	All standard IBM supplied Definitions
g.	ESF	-	Standard as installed from the vendor
h.	EXITS	-	All definitions to support standard Marine Corps exits
i.	MENU	-	Group containing all definitions for TRAPMENU
j.	MROTRANS	-	MRO Utilities Transaction. TOR region only. See paragraph 7.4.5.
k.	NATURAL	-	Production Natural PPT/PCT entries.
l.	PPPPPPP	-	Install Other Products used by a CICS region with a group name as the PPPPXXXX standard product name as decided by MCCTA. If MRO transactions are used the group that includes the MRO transactions will be installed in the TOR with PPPP being product name and XXXX being SYSIDNT of TOR. MRO transaction names will be constructed as in 7.4.5.b.
m.	PTRMODEL	-	Printer Terminal Type Model Definitions
n.	TMONCICS	-	TMON CICS Definitions
o.	TSS	-	All Top Secret Definitions

7.4.2. Application Definitions

a. Application System Identifier. Application sponsors must assign each application an identifier. The identifier must be two alphanumeric characters in length. Use this identifier to properly define and execute the application.

b. Application Group Names: x   ii   ssss

Sponsor Site Designator (Appendix A) .   .   .

Application System Identifier . . . .

System Identifier . . . .
(see para 10.6.1)

c. Program and Mapset Definitions: x   ii   P/M   ###/####
                                                .   .   .   .
    Sponsor Site Designator (Appendix A).   .   .   .
                                                      .   .   .
    Application System Identifier . . . .
                                                      .   .   .
    Program (P) or Mapset (M) . . . .
                                                             .
    Program/mapset identifier . . . .
    as assigned by developer
    (program names consist of 8 bytes)
    (mapset names must be 7 bytes)

d. Transaction Definitions: x   ii   #
                                                .   .   .
    Sponsor Site Designator (Appendix A) . . .   .   .
                                                      .   .
    Application System Identifier . . . .
                                                         .
    Transaction Identifier . . . .
    as assigned by developer

e. Transient Data Queues: x   ii   #
                                                .   .   .
    Sponsor Site Designator (Appendix A) . . .   .   .
                                                      .   .
    Application System Identifier . . . .
                                                         .
    Transient Data Queue Identifier . . . .
    as assigned by developer

f. File Control Table Entries: x   ii   F   ssss
                                                .   .   .
    Sponsor Site Designator (Appendix A) .   .   .
                                                      .   .
    Application System Identifier . . . .
                                                                .
    File Identifier . . . .
    as assigned by developer

g. Temporary Storage: x   ii   T/R   ####
                                                .   .   .   .
    Sponsor Site Designator (Appendix A).   .   .   .
                                                      .   .   .
    Application System Identifier . . . .
                                                            .   .
    Non-Recoverable Storage (T) . . . .
     Recoverable Storage (R)   .
                                                              .
    Storage identifier . . . .

as assigned by developer

h. Example:

Region	Name	Type	Group
TTP0	TCOM	Transaction	TCOGTTP0
TTP1	TCOM	Transaction	TCOGTTP1
TTP1	TCOM010	Mapset	TCOGTTP1
TTP1	TCOP0100	Program	TCOGTTP1

7.4.3. Printer Definitions

a. Groups. Define printers in separate groups based on their geographical location. Construct the group name by using the three character site identifier followed by the letters 'PRINT'. Break down printers into groups out to the RJE level if necessary. However, use the six groups listed below at a minimum:

(1) ALAPRINT   - Albany

(2) CLBPRINT   - Camp Lejeune

(3) CPPPRINT   - Camp Pendleton

(4) KCTPRINT   - Kansas City

(5) MQGPRINT   - Quantico

(6) OKRPRINT   - Okinawa

b. Terminal Identification Assignments. Define the terminal Identification numbers for printers as follows:

	n	a	##
The first character of VTAM address	.	.	.
Alpha character A-Z		.	.
Alphanumeric sequence number			.

c. Printer Terminal Type Model Definitions. Model typeterms for DFHLU3 and SCS printers will be included in group PTRMODEL. The typeterms will be named LUTYPE3 and SCSPRINT and contain the parameter values identified in Appendix H. Typeterms included in group DFHTYPE will not be changed as they are standard from IBM.

7.4.4. IRC Definitions

a. Group. Maintain IRC definitions that provide linkage to a particular CICS region in a group named "IRCGssss". "ssss" represents the SYSID of the CICS region that the group

definitions provide linkage to.

b. Session/Connection. Use the same name for both the
Session and Connection definitions within the group. These
definitions will have the same name as the SYSID of the CICS
region that they provide linkage to.

c. Example:

Name	Type	Group
GGP2	Connection	IRCGGGP2
GGP2	Session	IRCGGGP2

7.4.5. MRO Utilities Transactions

a. MRO transactions for the following vendor supplied
transactions will be defined in the Terminal Owning region in the
group MROTRANS; CEDA, CEDB, CEDC, CEMT.

b. Construct the MRO transaction name by using the last two
characters of the SYSIDNT and the last two characters of the
transaction. For example, the TOR transaction to execute CEMT in
a region with a SYSIDNT of RRP4 is P4MT.

7.4.6. Mail Gateway Definitions

a. Session/Connection Definitions. Define session and
connection definitions for mail gateways as follows:

```
                                            NN    #   S/R
                                             .    .    .
                                             .    .    .
Two character site designator of the location . .  .    .
of the gateway.                              .    .
                                             .    .
Unique designator which matches the 8th character. . .  .
of the REN definition.                       .
                                             .
S/R designating send or receive respectively . . . . . . .
```

b. Group Names. Name the group name containing the Session
and Connection entries the same as the REN for which they
support.

c. Example. For a gateway located at El Toro assigned a REN
of PESNAD09, the following definitions would exist:

Name	Type	Group
PE9S	Connection	PESNAD09
PE9R	Connection	PESNAD09
PE9S	Session	PESNAD09
PE9R	Session	PESNAD09

7.5. CICS TABLES

7.5.1. CICS Table Names. CICS tables names common to all regions will be constructed as follows:

```
                                        DFH    xxx
                                          .      .
Constant required by IBM . . . . . . . . . . . :      :
                                                 .
                                                 .
Table Type (e.g. FCT, DCT, etc.) . . . . . . . . . . .
```

CICS table names unique to a region will be constructed as follows:

```
                                        DFH    xxx   r   #
                                          .      .   .   .
Constant required by IBM . . . . . . . . . . . :      :   :   :
                                                      .   .   .
                                                      .   .   .
Table Type (e.g. FCT, DCT, etc.) . . . . . . . . . . :   :   :
                                                          .   .
                                                          .   .
Region Identifier (7th character of VTAM Minor Node) . . . :   :
                                                              .
                                                              .
Table Generation Number . . . . . . . . . . . . . . . . . . . .
```

7.5.2. Table Usage. Use Resource Definition On-line (RDO) facility for the following tables definitions. Avoid the use of assembled table definitions wherever possible.

    a. Terminal Control Table (TCT)

    b. Program Properties Table (PPT)

    c. Program Control Table (PCT)

7.6. SYSTEM INITIALIZATION TABLE

7.6.1. CICS System Identifier (SYSIDNT). Construct the SYSIDNT from the first two and last two characters of the CICS VTAM minor node name. Assign a SYSIDNT of TTP4 for the region TTCICSP4.

7.6.2. Overrides

    a. Do not override the SIT in the CICS procedure. A SYSIN member will be used to specify overrides.

    b. SYSIN member will be named to correspond to the CICS region name.

7.6.3. Standard Parameters. The following standard parameters will be coded in the macro DFHSIT module.

```
AUXTR=OFF                        EXTSEC=YES                   PCT=NO
BFP=YES                          FLDSEP='****'                PPT=NO
BMS=(FULL,COLD,UNALIGN,DDS)      FLDSTRT=' '
PRINT=PA2
COBOL2=YES                       GMTEXT='WELCOME TO CICS/VS'  SRT=YES
DBP=1$                           GMTRAN=CSGM
START=AUTO
DBUFSZ=500                       IRCSTRT=YES                  SVD=YES
DUMP=FORMAT,SNAP                 ISC=YES                      TCT=NO
DUMPDS=AUTO                      LGNMSG=YES                   VSP=YES
EXEC=YES                         LPA=YES
ZCP=S$,HPO
EXITS=YES
```

7.6.4. Site Unique Parameters. The following site unique parameters will be coded as overrides.

```
    ABDUMP           IOCP            RAPOOL
    AKPFREQ          JCT             SCS
    AMXT             MAXSMIR         SPOOL
    AUTINST          MCT             SUFFIX
    DCT              MXT             SYSIDNT
    FCT              OSCOR           TD
    GRPLIST          PCDUMP          TRACE
    ICV              PLTP1           TS
    ICVR             PLTSD           TSMGSET
    ICVS             RAMAX           WRKAREA
    ICVTSV
```

7.7. DYNAMIC RESOURCE MANAGEMENT PRODUCTS

7.7.1. Products Available. The Marine Corps has two products for dynamic resource management of CICS resources. This allows for maximum availability of CICS regions and dynamic modification of CICS files, programs and transactions. DADSPLUS and MTPBATCH are the two products currently in use for dynamic resource management.

a. DADSPLUS is the recommended software product for all dynamic resource management. MTPBATCH is licensed but will have no future upgrades. Therefore it is recommended that DADSPLUS be the standard software product for these functions and implemented as directed. MTPBATCH should only be used when DADSPLUS cannot perform the function needed. Interaction between DADSPLUS and MTPBATCH can be unpredictable.

7.7.2. Installation of DADSPLUS. Install DADSPLUS in all regions according to the following conventions.

a. DATA SET naming standards. Define Data sets for each CICS region where XXXXXXXX is the CICS region's VTAM application ID and CCCC is complex name.

      (1)   SYSTEMS.DADSPLUS.XXXXXXXX.BIF (DADSBIF)

                  or

          SYSTEMS.DADSPLUS.CCCC.BIF

      (2)   SYSTEMS.DADSPLUS.XXXXXXXX.CONTROL (DADS01)

      (3)   SYSTEMS.DADSPLUS.XXXXXXXX.AUDIT (DADSAUD)

      (4)   SYS2.DADSPLUS.PROD.LOADLIB

    b. The complex or region specific SYSINLIB DATA SET will be used for DADSIN override members.

    c. Control File Options. Install DADSPLUS with all options set at the default except for the below options. For overrides of site unique options use the DADSIN member in SYSINLIB.

      (1) BATCHINTERFACE - YES

      (2) OSCOREASSIST - YES (except for NATURAL regions, where the OSCOREASSIST parameter must be set to NO)

      (3) MAXTOTALOSCORE - nnnn (at the site's discretion)

      (4) MINTOTALOSCORE - nnnn (at the site's discretion)

    d. Due to FCT management standards, the DADSPLTI entry must be the first entry placed before any programs that process files.

7.7.3. DADSPLUS Resource Management

    a. DFHRPL Management. DADSPLUS manages DFHRPL concatenation during initialization. The DFHRPL startup list within DADSPLUS must be identical to the DFHRPL concatenation in the JCL of the region.

      (1) RPL Concatenation. Below is the standard DFHRPL concatenation for all regions within the Marine Corps. All site and region unique data sets will be added to the bottom of the list if needed. Proprietary product load libraries that are unique to certain regions can also be added at the bottom of the list. This is to include Class I and Class II application load libraries for each sponsor.

```
SYS2.CICS.USMCEXIT.LOADLIB
SYS2.CICS.XXXX.USERLOAD    (complex specific loadlib)
SYS2.CICS.PROD.LOADLIB2
SYS2.CICS.PROD.LOADLIB
SYS2.COBOLII.PROD.COB2CICS
SYS2.COBOLII.PROD.COB2LIB
SYS2.TSS.PROD.TSSLOADM
SYS2.TMONCICS.PROD.DSTAPF
```

SYS2.DADSPLUS.PROD.LOADLIB
SYS2.CA90S.PROD.CAICICS   (TOR region only)
SYS2.CA90S.PROD.CAILIB
SYS2.ESF.PROD.LINKLIB

   b. Module Overrides Management. Do not use a module
overrides startup list. Use dynamic module overrides to
temporarily solve a problem or for testing.

   c. FCT Management. The FCT management function allows you
to dynamically manage FCT entries of VSAM files in the CICS
environment. It is recommended that all proprietary product and
application VSAM files be allocated with DADSPLUS FCT management.
A static FCT must still be maintained for CICS system files and
DADSPLUS system files because they cannot be allocated
dynamically by DADSPLUS.

      (1) Group names. DADSPLUS uses the group concept, like
Resource Definition On-line (RDO), to organize FCT definitions.
Define group names as follows:

                                    FCT/DCT   G   XXXX
                                        .   .
      Group type . . . . :   .
                                                        .
      SYSID of region . . . .

   d. DCT management. Dynamic DCT management through DADSPLUS
is optional. Restrictions include DADSPLUS and CICS transient
data queues. A static DCT must be maintained for the above cases
and for other miscellaneous conditions.

7.8. TMONCICS FOR PERFORMANCE MANAGEMENT

7.8.1. Performance Management Product. The Marine Corps has
procured TMONCICS for the monitoring and performance management
of CICS environments at all sites. This product enables the
systems programmer to monitor, tune and report on the CICS
environment.

7.8.2. Installation of TMONCICS. TMONCICS will be installed in
all production regions and all other regions for which MCCTA is
responsible. MCCTA will define production regions of all sites
to TMONCICS at MQG for performance management and problem
diagnosis. Installation will be according to the following
conventions.

   a. DATA SET naming standards. The following Data sets will
be defined for each TMONCICS executing where XXXX can be complex
name or PROD.

      (1) SYS2.TMONCICS.XXXX.DSTAPF - This is the TMONCICS
loadlib.

(2) SYSTEMS.TMONCICS.XXXX.CNTL (TMONCNTL) - This is the control file which contains customization options.

(3) SYSTEMS.TMONCICS.XXXX.DSTSAMP (TMONPRMS) - This is used as a SYSINLIB DATA SET.

b.   System Requirements

(1) TMONCICS requires the use of a type-3 user SVC. The standard SVC to be used will be SVC 252 which is how the product was exported. The SVC will be activated at startup of the product.

(2) SYS2.TMONCICS.XXXX.DSTAPF will be APF authorized.

(3) Started task names will be as below.

```
                                   XX    TCIC  P/X/D/T  Z
                                    .            .      .
         Site designator . . . . . . .           .      .
                                                 .      .
         Complex designator . . . . . . . . . . . .      .
                                                        .
         Numeric Identifier . . . . . . . . . . . . . . .
```

Data Logging procedure and Report Writer procedure will be named as below where XX is the site designator and ? is the complex designator.

XXTMNDLS or XXTMNDL?
XXTMNRPT or XXTMNRP?

(4) Internal Data Collection controls must be set for data collection and data logging. Set collection parameters as below.

```
         Data Logging Active = Y
         Data Logging Critical = Y
         Data Monitoring Active = Y
```

(5) Problem/alert controls define messages and severities associated with those messages. Below is a list of messages that must be defined for each message. Set the severity level at one. Each site can add additional messages.

TMON25003	TMON25961
TMON25006	TMON96601
TMON25950	TMON96602
TMON25951	TMON96603
TMON25960	TMON96604
	TMON96606

7.8.3. Security Requirements. Control of and access to TMONCICS
functions will be governed by external security in the form of
Top Secret. The standard Top Secret facility name will be
identical to the started task name or VTAM Application name.

Chapter 8

NATURAL SECURITY ENVIRONMENT

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Chapter 8

NATURAL SECURITY ENVIRONMENT

8.1. <u>NATURAL SECURITY SYSTEM (NSS)</u>. NSS is a comprehensive system to control and check access to the Natural environment. NSS is also used to control the execution of programs and functions within Natural. NSS controls access to libraries, files and mailboxes.

8.2. <u>ADMINISTRATORS</u>

8.2.1. <u>Database Administrators</u>. Database Administrators (DBA) will be defined to NSS via their Top Secret Security (TSS) user ID as user type administrators. DBAs will be defined as members of a group name xxxx#DBA. The xxxx will be replaced with the department code. xxxx#DBA will be an owner of all libraries and files, NOT users or groups. The only exceptions to this are; DBAs who will be defined as owners of their own user IDs, and the DBAs in the same group via the group owning each user ID.

8.2.2. <u>Natural Security Administrators</u>

a. Top Secret Site Administrators (SCAs) will be defined to NSS profiles via their SCA user IDs. All SCA administers will be defined to a group named xx#SCA. The xx will be replaced with the two byte site designator. The xx#SCA group will own <u>ALL</u> defined objects to NSS.

b. Top Secret Terminal Area Security Officers (TASOs) will be defined to NSS via their TASO's user IDs as type administers. The TASO's group will be named with the first four bytes of the TASO's owning department's or division's ACID (see Chapter 2), suffixed by a number sign (#) and the last three characters of the application/library name, if applicable. The TASO's group will have a default library of SYSSEC. TASOs will not be defined as owners of SYSSEC. The TASO's group will be defined as owners of the groups they are assigned as administrators.

c. Other than DBAs, TASOs and SCAs accounts will be the only defined user type administrators in the Natural Security System.

8.3. <u>OBJECT TYPES</u>. Within NSS, access is controlled by the definitions of objects to NSS profiles. There are three main types of objects that are defined to NSS; users, libraries and files. In addition to the main object types, there are Mailboxes.

8.3.1. <u>Users</u>. Users, as defined in NSS, can be people or terminals or groups of people or terminals. When a user is defined, a classification type must be made. Users may be classified as members, persons or administrators. The following

defines the type classification.

a. Members must be defined to an NSS profile using the
user's Top Secret user ID. The members user ID will be added to
a group that allows the member access to the library to perform
the required task.

b. Persons will NOT be defined/used by Marine Corps sites.

c. Administrators in the Marine Corps consist of three
types; database, site security (SCA) and terminal area security
officers (TASO).

d. Terminal type will not be defined or used by the Marine
Corps sites.

8.3.2. Libraries

a. Library Names. Will be defined to NSS using the owning
department's or division's ACID (see chapter 2) suffixed by an
ampersand (&). Any character(s) may follow the ampersand but,
the library name may not exceed eight bytes in length.

b. Library Definition Options

(1) Batch execution will be set to 'N'. A setting of
other than 'N' may result in endless loops with batch job
processing.

(2) Functional Managers of libraries/applications will be
identified with phone numbers in the 'SECURITY NOTES' section of
the additional options of the NSS library profile.

(3) STEPLIBs will contain the database Id number(s) and
file number(s).

8.3.3. Mailboxes

a. A mailbox is an information screen which may be used to
broadcast messages. The mailbox could be described as a notice
board.

b. Mailbox IDs must begin with the owning department's or
division's ACID (see Chapter 2) suffixed by a plus sign (+). Any
character may follow the plus sign.

8.3.4. Files. Files are Data Definition Modules (DDMs). A DDM
must be defined as a file to Natural Security before it can be
used under Natural Security. There are three file status
classifications as noted below.

a. PUBLIC - Public files are not protected from read or
update from any Natural user.

b.   PRIVATE - Private files are protected. Private files may only be accessed by libraries that have been linked to them. The link may be defined for read or update.

c.   ACCESS - Files with status of ACCESS may be accessed from any library for read only. However, the file may be updated from a library that is linked to it with an update link.

8.4.   OBJECT OWNERSHIP. The User-Id 'DBA' will own all objects.

8.4.1.   Library Ownership

a. JGTS#DBA and xxxx#DBA (xxxx = site DBA department code) will own all libraries.

b.   xx#SCA (xx = site designator) will own all libraries.

c.   Functional managers will <u>NOT</u> own libraries.

8.4.2.   Group Ownership

a.   xx#SCA (xx = site designator) will own all groups.

b.   The functional managers' TASOs will be defined as owners of their own groups.

c.   All DBA groups will be owned by the DBAs.

8.4.3.   File Ownership

a. JGTS#DBA and xxxx#DBA (xxxx = site DBA department code) will own all files.

b.   xx#SCA (xx = site designator) will own all files.

c.   Functional managers will authorize who will have access to the files and who may have access to update the files.

8.4.4.   Mailbox Ownership

a.   xx#SCA will own all mailboxes.

b.   The owning department or divisions of the library that the mailbox was created for will own the mailbox.

8.4.5.   Member Ownership

a.   xx#SCA (xx = site designator) will own all members.

b.   DBA members will own the DBA members of the same department.

c.   TASOs will own members of the TASO's assigned area.

8.5. GROUPS

8.5.1. <u>Group Names</u>. Groups provide for easier Natural Security maintenance. A group may contain users or any of the other user types. Group names must begin with the first four characters of the owning department's or division's ACID (see Chapter 2) suffixed by number sign (#) followed by the last three characters of the application name, if applicable. The comments section of the associated security record lists the applications and the accesses to each of these applications.

8.5.2. <u>Group Ownership</u>. The functional managers will be defined as the owner of their groups.

Chapter 9

DATABASE ENVIRONMENT

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Chapter 9

DATABASE ENVIRONMENT

9.1. **DATABASE ENVIRONMENT**. The database environment consists of an organized collection of data contained in one or more files, a query/data manipulation language, a data dictionary, application programs, and security.

9.1.1. **Class I Database Environment**. To meet the needs of the Marine Corps' current Class I environment, four databases are required. The databases will be divided along functional lines as indicated below. In addition to the three application databases, a fourth database will contain all system files.

   a. ADABAS System Database. The ADABAS System Database will contain the following system files: FNAT, FSEC, FDIC, and a VNAT (Natural system file with no security, optional). If an FUSER file is on the ADABAS system database, it is for DBA use only.

   b. Logistics Database. This database will consist of all Logistic files and an FUSER file for Class I Logistic Natural applications.

   c. Financial Database. This database will consist of all Financial files and an FUSER file for Class I Financial Natural applications.

   d. Manpower Database. This database will consist of all Manpower files and an FUSER to contain Class I Manpower Natural applications.

9.1.2. **Buffer Pool Identification Number(s) (BPID)**. The BPID of the Global Buffer Pool will be 250, if installed.

9.1.3. **ADABAS Database ID Numbers**. The following ADABAS database ID numbers will be assigned.

   a. DBID 050 ADABAS System Database

   b. DBID 100 Logistics Database

   c. DBID 150 Financial Database

   d. DBID 200 Manpower Database

9.1.4. **Natural VSAM Database ID Numbers**. The following Natural VSAM Database ID Numbers will be assigned.

   a. DBID 125 Logistics Natural VSAM Database

   b. DBID 175 Financial Natural VSAM Database

c. DBID 225 Manpower Natural VSAM Database

d. DBID 254 General Purpose Natural VSAM Database

9.1.5. ADABAS System File Numbers

a. On the ADABAS System Database (DBID 50), file numbers 1-20 are reserved for ADABAS system files. Files 05, 06, 07, 08, 09, 19 and 20 will be assigned as indicated below:

File #		File #	
01 = reserved		11 = reserved	
02 = reserved		12 = reserved	
03 = reserved		13 = reserved	
04 = VANILLA NATURAL (Optional)		14 = reserved	
05 = BATCH SECURITY (Optional)		15 = reserved	
06 = FSEC (NATURAL Security)		16 = APAS HISTORY (Optional)	
07 = FNAT (With Security)		17 = reserved	
08 = FDIC (PREDICT SYS FILE)		18 = reserved	
09 = FUSER (DBA Use Only)		19 = CHECKPOINT-FILE	
10 = reserved		20 = ADABAS SECURITY (Optional)	

b. A system file named FUSER will be located on each of the functional databases. This will allow maintenance to a functional area to occur without affecting the other databases.

c. On DBID(S) 100, 150, and 200 (the functional databases), file numbers 1-20 are reserved for ADABAS system files. Files 09, 19, and 20 will be assigned as indicated below. File number 11 will be used to load the exported AISs. The remaining system files are reserved for future use.

File #		File #	
01 = reserved		11 = Exported AIS File	
02 = reserved		12 = reserved	
03 = reserved		13 = reserved	
04 = reserved		14 = reserved	
05 = reserved		15 = reserved	
06 = reserved		16 = reserved	
07 = reserved		17 = reserved	
08 = reserved		18 = reserved	
09 = FUSER (USER APPLICATIONS)		19 = CHECKPOINT-FILE	
10 = reserved		20 = ADABAS-SECURITY (Optional)	

9.1.6. ADABAS Application File Numbers

a. Only the Class I databases' (i.e.: Manpower, Logistics, Financial) files 21 through 255 are available for application use.

b.   Each Class I export activity will decide the file number to be used for an exported application file.

9.2   NAMING STANDARDS

9.2.1.   Started Task Procedure Names

a.   The first two characters will indicate the site designator.

b.   The third through sixth characters will be 'ABAS' to indicate the product ADABAS.

c.   The seventh character will be either a 'P' for production or a 'T' for test or demo.

d.   The eighth character will be the database identifier. The following identifiers are reserved for Class I.

```
Identifier:  0 = System files   (DBID 050)
             L = LOGISTICS      (DBID 100)
             F = FINANCIAL      (DBID 150)
             M = MANPOWER       (DBID 200)
```

e.   Examples of started task procedure names

```
AABASPL - Logistics ADABAS Database at ALA
GGABASPF - Financial  ADABAS Database at MQG
PPABASPM - Manpower ADABAS Database at CPP
BBABASP0 - ADABAS System Database at CLB
```

9.2.2.   Data Set Names.   All data sets will adhere to standards identified in Chapter 3.

a.   High Level Qualifiers

(1) SYS2.   This will be used for all load libraries.   All SYS2 data sets must be on SYS001.

(2) SYSTEMS.   This will be used for all non-integrated system product data sets which contain site unique information.

b.   Second Level Qualifiers

(1) Second Level Qualifier will be the product name, i.e., ADABAS, NATURAL, PREDICT, ADAMINT, etc.   Standard product names will be established by the MCCTA for each product exported.

(2) The Natural data set contained in the RPL list of a CICS started task will be assigned a second level qualifier of NATCICS.

c. Third level Qualifiers

(1) If the data set contains proprietary software, the third level qualifier will be assigned as follows:

(a) "PROD" will be used to denote production systems data sets.

(b) "TEST" or one denoting the maintenance and release level of the product will be used for systems data sets in a test environment.

(c) "OLD" or one denoting the maintenance and release level of the product will be used for systems data sets which have recently been replaced by a new version and are desired to be maintained until the new product is considered stable.

(2) If the data set does not contain proprietary software, the third level qualifier will be the ADABAS started task (STC) name.

(3) The Natural data set contained in the RPL list of a CICS started task will be assigned a third level qualifier which represents the CICS complex name.

d. Fourth Level Qualifier. Fourth level qualifier will be Data set type such as SOURCE, LOADLIB, DDPLOGR1, WORK, TEMP, ASSO, SYSINLIB, USERSRCE.

(1) The ADABAS loadlib fourth level qualifier will be LOADLIB. This loadlib will contain all vendor supplied modules and userexit(s) to include SVCs.

(2) The Natural data set contained in the RPL list of a CICS started task will be assigned a fourth level qualifier of USERLOAD.

e. Examples

```
SYS2.ADABAS.PROD.LOADLIB
SYS2.NATURAL.PROD.LOADLIB
SYS2.PREDICT.PROD.LOADLIB
SYSTEMS.APAS.PROD.SOURCE
SYSTEMS.ADABAS.GGABASPM.ASSO (ASSO for Manpower DB at MQG)
SYSTEMS.NATCICS.RRCICSPN.USERLOAD
```

9.2.3. SYSIN Library Member Names

a. All sysinlib members will be located on the following data set: SYSTEMS.ADABAS.PROD.SYSINLIB

b. The naming convention for SYSINLIB members will be xxpppdd.

(1) The first two characters (xx) will indicate the site designator.

EXAMPLE: GG = MQG, BB = CLB, PP = CPP

(2) The third through sixth characters will be as follows:

pppp = ADAP for ADABAS PARMS (REQUIRED)
        APAS for APAS PARMS
        BTCH for batch parms
        xxxx for any other site required parms

(3) The seventh character will be a 'P' for production, 'D' for development or 'T' for test or demo.

(4) The eight character will be the database identifier.

(5) An example of the ADABAS parms for the Manpower database at MQG would be GGADAPPF.

c. The naming convention for SYSINLIB members used to override the IGNDIB parameter during ADABAS restarts will be DBIDYES and DBIDNO.

9.3. NATURAL ENVIRONMENT

9.3.1. Roll Facility

a. Auxiliary temporary storage will be used. In addition to the roll facility the Natural Swap Pool will be used. If the Swap Pool is large enough, auxiliary temporary storage will seldom be accessed. Swap Pool storage is all above the line and there is no I/O performed on rolling.

b. The CICS Page size will be set to 2k for Natural regions.

c. Natural buffer block size will be set to 1k. Possible directory entries will require an increase. (800-1000)

9.3.2 Natural OTRAN(s)

a. NAxx - where xx = last two digits of CICS region.

b. NABB - BULLETIN BOARD SYSTEM.

c. If sites wish additional OTRANs for routing users to the Natural CICS region using alternate parms(i.e. sys=logs), the OTRAN conventions used will be similar to production otran name. These OTRANs will point to the same reentrant mod as NAxx in support of the driver database.

9.3.3. <u>Other CICS Defined Resources</u>. Prefix for all Natural modules defined to CICS will be an 'N', (threads, bp, cb.....).

9.3.4. <u>NATURAL RJE (NATRJE)</u>. The only version of NATRJE that will be supported will be the version exported by Software AG. with Natural 2.2.

9.3.5. <u>Natural Installation</u>. Natural 2.2.x will be installed above the 16 meg line. CMA-Spool's Menu facility (ESFM) will not function with Natural above the line, accordingly it will not be installed within the Natural environment. ESFM can be accessed from either CICS and TSO or by signing directly onto CMA-Spool.

9.4. STANDARD PARAMETER SETTINGS

9.4.1. <u>Natural Parameters</u>. The Natural parameters for the Class I environment are contained in Appendix M. The parameters that do not have a standard can be site determined. If the parameter has a standard, then the standard must be used.

9.4.2. <u>ADABAS Parameters</u>. The ADABAS parameters required for the Class I environment are contained in Appendix E. The parameters that do not have a standard can be site determined. If the parameter has a standard, then the standard must be used.

Chapter 10

ELECTRONIC MAIL ARCHITECTURE STANDARDS

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Chapter 10

ELECTRONIC MAIL ARCHITECTURE STANDARDS

10.1. GENERAL. Electronic mail (E-Mail) has become an important communications asset for both garrison and deployed commands. The Electronic Library and Mail System (ELMS) is the foundation upon which the E-mail systems within the Marine Corps interoperate. This network of interconnected E-mail systems has grown significantly; so has its complexity. To ensure interoperability with the rest of DoD, the Marine Corps must ensure that its Systems Network Architecture Distribution Services (SNADS) based E-mail environment can interoperate with the Simple Mail Transfer Protocol (SMTP) based E-mail systems within DoD. In the near future the Marine Corps must be able to migrate smoothly to the DoD mandated Government Open System Interconnect Protocol (GOSIP) E-mail standards. These interoperability requirements, coupled with the ever increasing complexity of the Marine Corps ELMS network, mandate pro active management of the ELMS network.

10.2. SNA DISTRIBUTION SERVICES (SNADS). SNADS is a set of SNA functions that provide for the distribution of documents through a network. The SNADS architecture is based on a qualified name and user address each of which is composed of two distinct components. These components, which make up the complete ELMS address, are the Distribution Group Name (DGN) and Distribution Element Name (DEN).

10.2.1. Distribution Group Name (DGN). The DGN is the first part of the qualified name which identifies the network-unique name of a specified group of users. DGNs will be defined as follows:

    a. Mainframe Based Mail System

        (1) Characters 1-3. Use the three character site designator of MCDN host in Appendix A.

        (2) Example. CPP is used for RASC Camp Pendleton.

    b. LAN Based Mail System

        (1) Characters 1-2 or 1-3. Use the two or three character site designator of MCDN entry point in Appendix A.

        (2) Characters 3-8 or 4-8. These characters are a site defined descriptive group of letters and numbers identifying the user community served by this address.

        (3) Example. AAIRM720 or HQIMMOA1

10.2.2. Distribution Element Name (DEN). The DEN is the second part of the qualified name which defines a unique user name in a distribution. DENs will be defined as follows:

a. Personal Mail Account. The DEN will be the user's User-Id as defined by a TASO in accordance with the IRM 5239-06.

b. Organizational Mail Account. Organizational Mail Accounts are used for the distribution and receipt of correspondence which is to be considered official in nature. Marine Corps Order 5271.4A applies.

(1) Use of organizational mail accounts will be governed by the following guidelines:

(a) Adherence to the chain of command is required.

(b) All electronic mail items will be followed by a signed copy.

(c) Organizational mail accounts can only send to other organizational mail accounts. Therefore, any mail received by an organizational mail account, which originated other than in an organizational mail account, should be considered unofficial until validated.

(d) Due to their nature, access to organizational mail accounts must be strictly controlled.

(2) The DEN for organizational mail accounts will be assigned by MCCTA. Each unit assigned a Plain Language Address (PLA) will be assigned an organizational mail account. The following naming convention structure shall be followed when establishing organizational mailboxes.

(a) Item Name - The item name for a unit's OMB will be the first 27 characters of the unit's PLA, followed by one space, followed by the letters "OMB"

(b) Nicknames - The first nickname or DEN will be the Accessor ID (ACID). The ACID for OMB will end in "ZZ". Users may choose to use official command abbreviations in subsequent nicknames to facilitate rapid addressal of E-Mail.

(c) StreetTalk directory Assistance (STDA) Description - The STDA description for an OMB will contain the Command designation and a point of contact with an Defense Switch Network (DSN) phone number.

```
EXAMPLE:   ITEM NAME:  MARCORCOMTELEACT QUANTICO VA OMB
        NICKNAME (DEN) :  GICIZZ:MAQMCCTA
           DESCRIPTION:  MARCORCOMTELACT, POC: SGT A. B.
                         JONES,  DSN 278-1234
```

10.2.3. Routing Group Name (RGN). The RGN is the first part of
a user address which identifies the unique name of a group of
SNADS nodes. RGNs are not used within the Marine Corps.

10.2.4. Routing Element Name (REN). The REN is the second part
of a user address which identifies the unique name of the SNADS
node. RENs will be defined as follows:

     a. Characters 1-2. Two character site designator of MCDN
entry point of the gateway.

     b. Characters 3-6. The letters 'SNAD'.

     c. Characters 7-8. Unique designator assigned by the site.

     d. Example. GISNAD01

10.3. SIMPLE MAIL TRANSFER PROTOCOL (SMTP). SMTP is a TCP/IP
protocol suite that specifies a standard for the exchange of mail
between unlike machines. The standard specifies the exact format
of messages a client on one machine uses to transfer mail to a
server on another. The SMTP standard is the electronic mail
standard used within the Defense Data Network (DDN).

10.3.1. SMTP Addressing Conventions. SMTP addresses are
composed of the following components. Note that the entire
address cannot exceed 255 characters.

     UserName@HostName.Domain.Domain.Domain

          |----> The Domain is a series of
                 labels which identify the
                 domain of the user. Each
                 label of the Domain cannot
                 exceed 64 characters.

          |-------> The HostName identifies the TCP/IP
                    host within the domain. The hostname
                    cannot exceed 64 characters.

     |---> A 255 character User-Id of the mail recipient.

10.3.2. User Name. The default UserName for Marine Corps SMTP
recipient will be the Marine Corps user's ACID. Other nicknames
can be built via Directory Services. Construction conventions
for the SMTP UserName within Directory Services are as follows:

     a. Cannot exceed 24 characters

     b. Defaults to UserId (ACID)

     c. LastName(7) + Initial(1) + any additional
Letters/Numbers to ensure uniqueness

d. More than 7 characters of LastName not recommended

e. No Special Characters Allowed

10.3.3. Host Name. The following naming convention will be used for host names. In the below standards, xxx represents the three character site designator and # represents a sequential alphanumeric.

a. Host which supports SMTP, FTP and TELNET: xxx#.USMC.MIL

b. SMTP only host: xxx-MAIL#.USMC.MIL

c. FTP only host: xxx-FTP#.USMC.MIL

d. Router: xxx-GW#.USMC.MIL

e. Domain Name Server: xxx-DNS#.USMC.MIL

f. PC with TCP/IP capability: xxx-userid.USMC.MIL

10.3.4. Domain Name. The Domain name for the Marine Corps is USMC.MIL.

10.3.5. Internet Protocol (IP) Address Assignments. The Marine Corps has been assigned 15 class B IP Addresses and 80 class C IP addresses by the Network Information Center. Addresses have been assigned to MCDN sites as depicted in Table A on the following page.

Table A

MCDN DESTINATION ID'S AND IP ADDRESS ASSIGNMENTS

NODE ID	IP ADDRESS	CLASS
MQG	138.156.0.0	B
KCT	138.167.0.0	B
OKR	138.168.0.0	B
DFU	158.235.0.0	B
ALA	158.236.0.0	B
CLB	158.237.0.0	B
CPP	158.238.0.0	B
HIF	158.239.0.0	B
HQI	158.240.0.0	B
DFV	158.241.0.0	B
DFW	158.242.0.0	B
CSS	192.156.1.0	C
NFD	192.156.6.0	C
CPY	192.156.11.0	C
PIK	192.156.16.0	C
BIV	192.156.21.0	C
NOL	192.156.26.0	C

BAM	192.156.31.0	C
SDO	192.156.36.0	C
TPN	192.156.41.0	C
YMH	192.156.46.0	C
ETE	192.156.51.0	C
IWZ	192.156.56.0	C
OKQ	192.156.61.0	C
KBJ	192.156.66.0	C
RFC	192.156.71.0	C

10.4. **X.400 MAIL PROTOCOL.** The Internet is moving towards a multi-protocol environment that includes OSI, in particular GOSIP. To support GOSIP on the Internet, an OSI lower layer infrastructure is required. This infrastructure comprises of the connectionless network protocol (CLNP) and supporting x.400 protocols and components. Also required as part of this infrastructure are guidelines for network service access point (NSAP) address assignments. The NSAP can be viewed in much the same way as an IP Class address. The Marine Corps is in the process of obtaining NSAP addresses and establishing x.400 and x.500 addressing and naming standards.

10.4.1. **NSAP Assignment Authority**

a. The Department of Defense's use of Open Systems Interconnection (OSI) international standard protocols for data communication requires that unambiguous, globally unique network addresses be assigned to systems that engage in OSI communications. The structure and use of OSI Network Addresses is defined by the International Organization for Standardization (ISO) and International Telecommunications Union Telecommunications Standards Sector (ITU-TSS) (formerly the International Telephone and Telegraph Consultative Committee (CCITT)). The principal standard for network addresses, ISO 8348 Addendum 2, defines the Network Service Access Point (NSAP) address as a single number that is formed by concatenating hierarchically assigned components. International standards define the permitted values at the top level of the hierarchy and the rules for delegation of address assignment to countries and other organizations.

b. The US Government has obtained delegations of address assignment authority for a part of the hierarchy and the DOD in turn has been delegated authority by the General Services Administration (GSA) to assign NSAP addresses from a portion of the US Government address space. This authority is exercised by the DOD Registration Authority, which is operated by the Defense Information Systems Agency (DISA) and its agent(s) as directed by the Office of the Secretary of Defense. The purpose of registration procedures is to ensure that NSAP addresses are assigned to DOD systems that require them, while complying with applicable standards and DOD policy. For purposes of OSI communications, the DOD uses the NSAP format defined by the

Government Open Systems Interconnection Profile (GOSIP).

10.4.2. GOSIP NSAP Addressing Conventions

a. The GOSIP NSAP consists of two domain addressing components: the Initial Domain Part (IDP) and the Domain Specific Part (DSP). The IDP consists of the Authority and Format ID (AFI) and the Initial Domain ID (IDI). The National Institute of Standards and Technology (NIST) is the administrative authority for the addressing domain identified by IDI value 0005 under AFI 47. The AFI value of decimal 47 specifies that the IDI part be interpreted as a four-decimal digit International Code Designator (ICD). The ICD value of 0005 identifies the addressing domain reserved for use by the Federal Government.

b. The National Institute of Standards and Technology (NIST) has specified the structure and semantics of the DSP associated with ICD 0005 and delegated the assignment of DSP values to the GSA. The GSA has in turn designated the Administrative Authority Identifier (AAI) value of 000700 to represent unclassified DoD networks. Similarly the AAI value of 005E00 has been designated to represent classified DoD networks. The Registration Authority (RA) for these DoD AAIs has been assigned to DISA. DISA in turn has designated the Network Information Center (NIC) as its agent for the unclassified NSAP Routing Domains. The NIC shall assign and maintain records of all unclassified DoD Routing Domains (RDs) and all DISA backbone ID assignments. To summarize, a DoD GOSIP NSAP will have the following table and explained below:

IDP		DSP						
AFI	IDI	DFI	AAI	Rsvd	RD	Area	ID	Sel
47	0005	80	000700					
Octets 1	2	1	3	2	2	2	6	1

Part	Component	Value	Comment
IDP:			Initial Domain Part
	AFI	47	Authority and Format Identifier
	IDI	0005	Initial Domain Identifier
DSP:			Domain Specific Part
	DFI	80	DSP Format Identifier
	AAI	000700	Administrative Authority ID (UNCLS)
		005E00	Administrative Authority ID (CLS)
	Rsvd		Reserved
	RD		Routing Domain ID: Assigned by NIC
	Area		Area ID: Assigned by RD Admnstr
	Sel		NSAP Selector: Assigned by End System Manager

AFI (Authority and Format Identifier): This field will contain AFI value 47, encoded as two BCD digits.

IDI (Initial Domain Identifier): This field will contain IDI value 0005, encoded as four BCD digits, designating ICD 5.

DFI (DSP Format Identifier): This field will contain the hexidecimal value 80 encoded as a 1-octet binary integer, as specified by GOSIP.

    c. The remaining values in the fields of the GOSIP 2.0 NSAP are assigned as follows:

    (1) AAI (Administrative Authority Identifier): DISA, on behalf of DOD, has obtained two registered AAI values from the Address Registration Authority. These AAI values are referred to as the Unclassified AAI, 000700 hexadecimal for Unclassified networks, and the Classified AAI, 005E00 hexadecimal for Classified networks. AAI values are encoded as 3-octet binary integers.

    (2) RESERVED: This 2-octet field will be set to zero.

    (3) RD (Ring Domain): RD numbers will be assigned and recorded by the Registration Authority. RD numbers are encoded in the NSAP as 2-octet binary integers.

    (4) AREA: AREA number assignments may be made by the administrative authority of a particular Routing Domain as necessary to meet their operational requirements. AREA numbers are encoded in the NSAP as 2-octet binary integers. Section 3 gives guidelines in the assigning of this field.

    (5) ID (System Identification): ID numbers will be determined in accordance with procedures of the Routing Domain to which the NSAP belongs. The ID number is encoded in the NSAP as a 6-octet binary integer.

    (6) NSEL (N-Selector) NSEL values may be selected by the end system or intermediate system to which the ID belongs, in compliance with the standards established by GOSIP. NSEL is encoded as a single octet.

10.4.3. X.400 Originator/Recipient (O/R) Address

    a. The Department of Defense (DoD) policy of using international standards will require the registration of information objects which shall be unambiguously identifiable on a global basis. The International Organization for Standardization/International Electrotechnical Commission (ISO/IEC) and the International Telegraph and Telephone Consultative Committee (CCITT) have established a hierarchical structure of names. The DoD position in the hierarchy comes

under the US Government. The Defense Information Systems Agency
(DISA) has formally received the delegation of authority for
registration for the DoD. The Network Information Center (NIC)
is the agent of the Registration Authority and will be handling
the administrative activities for the Registration Authority.

b.   The X.400 Originator/Recipient (O/R) Address is used by
the X.400 Message Transfer System (MTS) to deliver messages. The
fields of the O/R Address include:

*   Country (C)
*   Administration Management Domain (ADMD)
*   Private Management Domain (PRMD)
*   Organization (O)
*   Organizational Units (OU) (four levels: OU1, OU2, OU3,
            and OU4)
*   Personal Name

c.   The GOSIP Organization Name alpha-numeric string "DMS"
has been registered with the General Services Agency by DISA. GSA
permits this name to be concatenated with "GOV+" to construct an
MHS PRMD name. The DMS Program Management Office (PMO), which
determines the policy and procedures for X.400 messaging within
DoD, plans to construct additional PRMD names on this base (i.e.,
GOV+DMS+MIL) such that the total length of this construct does
not exceed 16 characters.

d.   The X.400 O/R Address is related to the Message Transfer
Agent (MTA) Routing Architecture. The purposes of the DMS MTA
Routing Architecture are to keep the routing information used to
forward messages throughout the DMS to a reasonable amount, to
make efficient use of the underlying transmission networks, to
allow the Services and Agencies flexibility in their base and
regional MTA configurations, and to reduce the management burdens
to all concerned.

e.   The concept of the registration of the X.400 O/R Address
is summarized below.

*   The Registration Authority will register PRMD values.
*   The Registration Authority will register O values.
*   The Registration Authority will register OU1 values.
*   The Registration Authority will register MTA-names.
            MTA-names shall be registered for all MTAs.
*   The organization that has been granted the use of the OU1
            value will be delegated the authority to register the
            fields in the X.400 O/R address below that name.

f.   DISA is the Registration Authority for DoD and will
maintain a register of X.400 PRMD names as well as O values, OU1
values, and MTA-names for each PRMD.

10.4.4.   PRMD Names. PRMD names will be constructed in the

following manner.

    a. GOV+DMS+MIL - DMS-Compliant PRMD on unclassified DoD network.

    b. GOV+DMS+TRNAS - non-DMS-Compliant PRMD on unclassified DoD network.

10.4.5. <u>Organization (O) Values</u>. DoD O values shall have the following format:

DK+[State or Country code]+[numeric identifier].

The "DK" is taken from the DoD Manual 5000.12 codes (see following section) and indicates DISA's ownership of the assets associated with the O value. The state code is a 2 character code from FIPS 5 (the familiar postal codes). The country code comes from DCAC 310-65-1. In the case where the country code matches the state code, the country code will be modified to ensure uniqueness. The numeric identifier will be used to guarantee uniqueness, and shall start with "1" and proceed to as many digits as necessary.

10.4.6. <u>Organization (OU1) Values</u>

    a. To request registration of an OU1 value, the applicant shall submit a Request for Registration Application to the Registration Authority using an electronic version of the template found. The syntax of the OU1 value is a Printable String with a maximum length of 32 octets or characters (ref. X.411). The format to be used is:
[Service/Agency code]+[identifier].

    b. A two character code, as found in the DoD Manual for Standard Data Elements, DoD 5000.12-M (as listed in DCA Circular 310-65-1), has been reserved for each Service and Agency.

    c. The identifier field of the OU1 value can be used to indicate a base, station, or region, as determined by the Service or Agency to best suit their local infrastructure.

    d. The owner of the OU1 value of the O/R address has been delegated the authority to register the remaining fields of the O/R address. This authority may be further delegated subject to the policy of the responsible Service or Agency.

    e. The remaining fields include three levels of Organizational Units (OU2 through OU4) and the fields of the Personal Name (Given Name (G), Initials (I), Surname (S), and Generational Qualifier (GQ). The O/R address of the DMS Individual messages includes the Personal Name fields. An O/R address for DMS Organizational messages does not include the Personal Name field, and instead ends with an OU value.

10.4.7. OU Values. The OU values within each level must be unique. The format of the delegated OU values (OU2 - OU4) may be whatever meets the needs of the sub-authority. The registration sub-authority must maintain adequate records of all assignments in order to ensure that all assigned names are unique. While three additional levels of OU value are available, it is not necessary that all four OU values appear in every O/R address. It is recommended that OU values be kept as short as possible while still maintaining uniqueness.

10.4.8. MTA-Names

    a. To request registration of an MTA-Name, the applicant shall submit a Request for Registration Application using the electronic version of the template. The syntax of the MTA-Name is an IA5String of 12 octets or characters (ref. X.411, OIW Stable Agreements, part 8). The format of the MTA-Name is:

    b. The Service or Agency code shall indicate the ownership of the MTA. The State or Country code shall indicate the location of the MTA, and may not necessarily match the state or country code in the O value of the O/R Address supported by that MTA. The numerical identifier will be assigned by the Registration Authority. The format of the MTA-NAme is: [Service/Agency code][State or Country code][numerical identifier].

10.4.9. Personal Name Values. The Personal Name must be unique within each organization, as determined by the combination of O and OU values. The responsible organization must maintain adequate records in order to ensure the uniqueness of the Personal Name. The organization can define its own use of the G, I, S, and GQ fields as necessary to provide the user with a unique address.

10.4.10. Registration Authority. The Registration Authority for DoD is DISA. DISA's agent for the registration of X.400 O/R Addresses (PRMDs, O values, OU1 values, and MTA-Names) is:

    a. Agent   DDN Network Information Center

    b. Postal Address   Network Information Center
                         14200 Park Meadow Drive, Suite 200
                         Chantilly, VA 22021-2219

    c. Electronic Mail Address: gosip@nic.ddn.mil

    d. Telephone: # 1 (800) 365-DNIC (3642)
                      Local (703) 802-4535

    e. Facsimile: # (703) 802-8376

Chapter 11

INFOPAC ENVIRONMENT

Ch 1

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Chapter 11

INFOPAC ENVIRONMENT

11.1. INFOPAC CATALOG. The Infopac catalog will be separate from the production catalog, CATALOG.PROD. It will be named CATALOG.INFOPAC. Only Infopac production data sets will be cataloged to the Infopac catalog. Infopac's system data sets will be cataloged in their respective catalogs. (See Section 3.4, MVS Environment).

11.2. DASD. Infopac data sets will reside on 3390's when they are available. The VTOC allocation will be a minimum of 150 tracks.

11.2.1. System Managed Storage (SMS). SMS implementation will be expanded to include DASD dedicated to Infopac data sets. The number of volumes set aside for Infopac use will be site determined. Storage class and storage group will be called INFOPAC. Management classes will be defined using the parameters below:

Infopac Retention Periods / SMS Management Classes

Purge Qty (days)	Management Class
001-010	NOMIG
011-045	RET45D
046-090	RET90D
091-180	RET180D
181-365	RET1YR
366-630	RET2YR
631-995	RET3YR

11.2.2. FDR. FDR will be used to archive Infopac data sets. It is recommended that INFOPAC's archiving process be used for those files requiring retention for one year or more.

11.3. INFOPAC REGIONS. If needed, sites will have at least two Infopac regions executing, one in VIEW mode and one in MAINTENANCE mode. The region in maintenance mode will be used only by Infopac administrators who need to perform maintenance on a regular basis. Naming standards for these regions are covered later in this chapter.

11.4. NAMING STANDARDS. The following naming conventions will be in effect:

11.4.1.   Report ID/Name.   When SYSOUT writers are used, the
Report ID should reflect the jobname that created the report.   In
all cases, the 'report name' field (just to the right of the
report ID), will be coded as follows: 'jobname or program name'
space 'job or english title'.

11.4.2.   Sysout Writers.   Sysout writer name will reflect the
jobname that created the report.

11.4.3.   Sysout Class.   Sysout class for Infopac will be 'F' for
collecting jobs and 'Y' for collecting deallocations.

11.4.4.   Database Names.   The databases will be named as follows:

         XXXXX.INFOPAC.PROD.INDIST1
         XXXXX.INFOPAC.PROD.INPAGE1
         XXXXX.INFOPAC.PROD.INVERS1

         XXXXX - site unique HLQ.

11.4.5.   Region Names.   The regions will be named as follows:

         Maintenance - xxINFOP0
         View   - xxINFOP1

         xx - site unique identifier

11.4.6.   Data Set Names.   The data set naming standard for data
sets created by Infopac will be as follows:

         XXXXXXXX.RDS.YYYYYYYY.RRRRRRRR.TTTTT.DDDDDDD

         XXXXXXXX - site unique HLQ
         YYYYYYYY - retention period for data set
         RRRRRRRR - report ID
         TTTTT   - time stamp
         DDDDDDD - date stamp

To facilitate this change, the following will be in effect:

         Model Type - 3   (Thhmmss.Dyymmdd)
         Purge Type - A   (Purge from Infopac by age of
                          data set)

For generation data sets, where retention period is controlled by
the generation index the third level qualifier will be GENER to
indicate "GENERATIONS."

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11.5. SECURITY. Internal and external security will be managed
according to the following standards:

11.5.1. TSS Facility. The TSS facility name will be INFOPAC.

11.5.2. Administrators Access. Administrators will have a
viewing access of 'global' and an update access of 'Y'. They will
be defined as recipients on each site's Infopac viewing region.
Their viewing access will be 'global' and their update access
will be 'N'.

11.5.3. AIS Functional Managers. AIS functional managers will
have a viewing access of 'Y' and an update access level that will
allow them to access the 'copy request' option at a minimum.

11.5.4. General Users. Basic users of Infopac will have a
viewing access of 'Y' and an update access of 'N'.

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11.5.5. <u>Security Matrix</u>. The Infopac matrix will be standardized to include all variations necessary to accomodate the levels of access needed.

Screen	Name	1	2	3	4	5	6	7	8	9	Y	A	N	E	I	R	S
1	Recipient				Y	Y			Y	Y	Y	Y		Y	Y	Y	
2	Report				Y			Y	Y	Y	Y	Y		Y	Y	Y	Y
3	Heirarchy							Y	Y	Y	Y			Y	Y		Y
4	Heirarchy Code							Y	Y	Y	Y			Y	Y		Y
5.1	Report Group	Y			Y			Y	Y	Y	Y			Y	Y		Y
5.2	Report Group Override	Y	Y	Y	Y			Y	Y	Y	Y			Y	Y		Y
5.3	Complete Copy	Y	Y		Y			Y	Y	Y	Y			Y	Y		Y
5.4	Selective Distribution	Y	Y		Y			Y	Y	Y	Y			Y	Y		Y
5.5	General Distribution	Y			Y			Y	Y	Y	Y			Y	Y		Y
5.6	General Distribution Override	Y	Y	Y	Y			Y	Y	Y	Y			Y	Y		Y
6	Default Report ID Position									Y	Y			Y			
7	System Parameters									Y	Y	Y					
8	Device									Y	Y			Y			
9	DJDE									Y	Y			Y			
10	DJDE Default									Y	Y			Y			
11	Printer JCL									Y	Y			Y			
12	Versions									Y	Y			Y			
13	Job/File Name				Y			Y	Y	Y	Y	Y		Y	Y		
14	View	Y	Y	Y	Y			Y	Y	Y				Y	Y		Y
15	Migration Class Screen				Y			Y	Y	Y				Y	Y		Y
99	Shutdown Screen						Y		Y	Y							

Codes 1 thru N are the standard Infopac Security codes.

R - allows for changes, no additions or deletions, to recipients and reports.

E - same authority as code '8', but without the authority to add or delete recipients.

All other codes permit access as they appear.

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Appendix A

SITE, NODE, AND COMMAND DESIGNATORS

SITES/NODE/COMMAND	DESIGNATOR
CDA Albany	A and AA
(MCLB, Albany)	
(Marine Aviation Trng Spt Grp, Cecil Field)	
New Orleans	AL
BMC, Blount Island	AV
CDA Quantico	G and GG
(MCCDC)	
(MAF, Quantico)	
(Marine Security Guard Battalion)	
(MCI)	
(MCSC)	GD
(FMFEUR)	GE
FDMC	GF
HQMC	GI
(MB, 8th & I)	
(U.S. Marine Band)	
(Marine Support Battalion)	
(Headquarters Battalion)	
DC/S I&L, HQMC	GL
DC/S Manpower, (HQMC)	GM
and Reserve Affairs	GR
Computer Sciences School	GS
CDA Kansas City	T and TT
Marine Corps Support Activity	T0
Headquarters Battalion (MCSA)	TB
DITSO—KC Information Processing Center	TC
Defense Financial and Accounting Service—KC	TG
DITSO—KC Senior Site Representative	TH
DITSO—KC Technical Support Office	TI
DFAS—KC Field Disbursing Division	TK
Field Usage	TV
DITSO—KC Central Design Activity	TY

SITES/NODE/COMMAND	DESIGNATOR
RASC Camp Lejeune	B and BB
(MCB, Camp Lejeune)	
MCAS Beaufort	BA
Camp Elmore	BD
Guantanamo Bay	BG
MCRD/ERR Parris Island	BK
MCAS (H) New River	BN
MCAS Cherry Point	BY
RASC Camp Pendleton	P and PP
(MCB, Camp Pendleton)	
(Marine Aviation Trng Spt Grp, Lemoore)	
West Coast Commissary Complex	PC
MCAS El Toro	PE
MCAS Yuma	PH
MCLB Barstow	PM
MCB 29 Palms	PN
MCRD/WRR San Diego	PO
MCAS (H) Tustin	PS
RJE Hawaii	PF
MCAS Kaneohe	PJ
MCTSSA	PW
RASC Okinawa (Kinser node)	R and RR
(Foster node)	RQ
(Iwakuni node)	RZ
MCAS Iwakuni	RB
MCB, Smedley D. Butler	RC

Unlinked Sites

1st FASC Camp Pendleton	U and UU
2nd FASC Camp Lejeune	V and VV
3rd FASC Okinawa	X and XX
DFASC	Y and GY
External Agencies	J

SITES/NODE/COMMAND	DESIGNATOR
Commands	
MARFORLANT (RASC Camp Lejeune)	CC
II MEF	CA
2nd SRI	CG
4th MEB	CH
6th MEB	CJ
2nd MEB	CL
IV MEF	CB
2nd MAW	CD
2nd MarDiv	CE
2nd FSSG	CF
Marine Corps Security Forces, Atlantic	CK
MARFORPAC	DD
I MEF	DA
7th MEB	DM
5th MEB	DN
1st SRI	DO
III MEF	DB
1st MEB	DC
9th MEB	DL
3rd SRI	DP
1st MAW	DE
1st MarDIV	DF
1st FSSG	DG
3rd MAW	DH
3rd MarDiv	DI
3rd FSSG	DJ
Marine Corps Security Forces, Pacific	DK
V MEF (inactive)	DV
VI MEF (inactive)	DW
4th MAW (CDA Albany)	EA
4th MarDiv (CDA Albany)	EB
4th FSSG (CDA Albany)	EC
MARRESFOR (CDA Albany)	EE

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Appendix B

DATA SET HIGH-LEVEL QUALIFIERS AND JES DESTINATION IDENTIFIERS

HIGH LEVEL QUALIFIER	JES DEST ID	LOCATION
ALBYx	ALBANYMCLB	Albany[1]
BARS1		MCLB Barstow
CLNC1	CAMPLEJMCB	Camp Lejeune
CPEN1	CAMPPENDMCB	Camp Pendleton
CPNC1		MCAS Cherry Point
CSS	COMPSCI	Computer Sciences School
FASC1	FASC1	1st FASC
FASC2	FASC2	2nd FASC
FASC3	FASC3	3rd FASC
FASC4	DFASC	DFASC
FIS06		MARCORFORPAC, Hawaii
FIS28		MCAS Iwakuni
HQMC1		Headquarters Marine Corps
KCMOx	KANSCITY	Kansas City[1]
LANT1		MARCORFORLANT
MCRSx		Marine Corps Reserve Support Center[1]
NOLA1		4th DWT, New Orleans
OKI1	CAMPKIN	MCB Butler, Okinawa Japan
PALM1		MCB Twentynine Palms
PISC1		MCRD Parris Island
QUAN7	QUANTICO	MCB Quantico
SDGO1		MCRD San Diego
TORO1		MCAS El Toro
TSSA		MCTSSA, Camp Pendleton
YUMA1		MCAS Yuma

[1] The "x" in these qualifiers indicates any legal, printable character.

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Appendix C

STANDARD PROCEDURES

```
//ASMHC          PROC
//****************************************************************
//*                                                              *
//*       ASMHC   PROCEDURE:                                     *
//*                                                              *
//*       THIS PROC UTILIZES ASSEMBLER 'H'   (VERSION 2.1)       *
//*       FOR ASSEMBLIES ONLY.                                   *
//*                                                              *
//****************************************************************
//ASM           EXEC PGM=IEV90,REGION=1024K
//*              PARM='NODECK,NOOBJECT'
//SYSLIB     DD DSN=SYS1.MACLIB,
//              DISP=SHR
//SYSPRINT   DD SYSOUT=*,
//              DCB=BLKSIZE=121
//SYSUT1     DD DSN=&SYSUT1,
//              SPACE=(CYL,(10,5)),
//              UNIT=SYSDA
//SYSLIN     DD DUMMY
//SYSPUNCH   DD DUMMY
//SYSIN      DD DDNAME=SYSIN
```

```
//ASMHCG        PROC
//****************************************************************
//*                                                              *
//*        ASMHCG   PROCEDURE:                                   *
//*                                                              *
//*        THIS PROC UTILIZES ASSEMBLER 'H'   (VERSION 2.1)      *
//*        FOR ASSEMBLE AND GO.                                  *
//*                                                              *
//****************************************************************
//ASM           EXEC PGM=IEV90,REGION=1024K,
//                PARM='NODECK,OBJECT'
//SYSLIB     DD DSN=SYS1.MACLIB,
//                DISP=SHR
//SYSPRINT   DD SYSOUT=*,
//                DCB=BLKSIZE=121
//SYSUT1     DD DSN=&SYSUT1,
//                SPACE=(CYL,(10,5)),
//                UNIT=SYSDA
//SYSLIN     DD DSN=&&LOADSET,
//                DISP=(MOD,PASS),
//                UNIT=SYSDA,
//                SPACE=(80,(500,100))
//SYSPUNCH   DD DUMMY
//SYSIN      DD DDNAME=SYSIN
//GO            EXEC PGM=LOADER,
//                PARM='MAP,PRINT,NOCALL,LET',
//                COND=(5,LT,ASM)
//SYSLIN     DD  DSN=&&LOADSET,
//                DISP=(OLD,DELETE)
//SYSLOUT    DD  SYSOUT=*
```

```
//ASMHCL        PROC
//****************************************************************
//*                                                              *
//*        ASMHCL   PROCEDURE:                                   *
//*                                                              *
//*        THIS PROC UTILIZES ASSEMBLER 'H'   (VERSION 2.1)      *
//*        AND INVOKES THE XA LINKAGE EDITOR                     *
//*        FOR ASSEMBLE AND LINK.                                *
//*                                                              *
//****************************************************************
//ASM           EXEC PGM=IEV90,REGION=1024K,
//                   PARM='NODECK,OBJECT'
//SYSLIB     DD DSN=SYS1.MACLIB,
//              DISP=SHR
//SYSPRINT   DD SYSOUT=*,
//              DCB=BLKSIZE=121
//SYSUT1     DD DSN=&SYSUT1,
//              SPACE=(CYL,(10,5)),
//              UNIT=SYSDA
//SYSLIN     DD DSN=&&LOADSET,
//              DISP=(,PASS),
//              UNIT=SYSDA,
//              SPACE=(CYL,(15,15,1),RLSE)
//SYSPUNCH   DD DUMMY
//SYSIN      DD DDNAME=SYSIN
//LKED      EXEC PGM=HEWL,
//            PARM='XREF,LET,LIST,NCAL',
//            COND=(5,LT,ASM)
//SYSLIN     DD DSN=&&LOADSET,
//              DISP=(OLD,DELETE)
//           DD DDNAME=SYSIN
//SYSLMOD    DD DSN=JCLERROR,DISP=SHR
//SYSUT1     DD DSN=&&SYSUT1,
//              UNIT=SYSDA,
//              SPACE=(1024,(50,20))
//SYSPRINT DD SYSOUT=*,
//              DCB=(RECFM=FB,LRECL=121,BLKSIZE=1210)
```

```
//ASMHCLG        PROC
//*****************************************************************
//*                                                               *
//*         ASMHCLG  PROCEDURE:                                   *
//*                                                               *
//*         THIS PROC UTILIZES ASSEMBLER 'H'  (VERSION 2.1)       *
//*         AND INVOKES THE XA LINKAGE EDITOR                     *
//*         FOR ASSEMBLE, LINK, AND GO.                           *
//*                                                               *
//*****************************************************************
//ASM             EXEC PGM=IEV90,REGION=1024K
//*                    PARM='NODECK,OBJECT'
//SYSLIB      DD  DSN=SYS1.MACLIB,
//                DISP=SHR
//SYSPRINT    DD  SYSOUT=*,
//                DCB=BLKSIZE=121
//SYSUT1      DD  DSN=&SYSUT1,
//                SPACE=(CYL,(10,5)),
//                UNIT=SYSDA
//SYSLIN      DD  DSN=&&LOADSET,
//                DISP=(,PASS),
//                UNIT=SYSDA,
//                SPACE=(CYL,(15,15,1),RLSE)
//SYSPUNCH    DD  DUMMY
//SYSIN       DD  DDNAME=SYSIN
//LKED     EXEC  PGM=HEWL,PARM=(XREF,LET,LIST,NCAL),
//                COND=(5,LT,ASM)
//SYSLIN      DD  DSN=&&LOADSET,
//                DISP=(OLD,DELETE)
//            DD  DDNAME=SYSIN
//SYSLMOD     DD  DSN=JCLERROR,DISP=SHR
//SYSUT1      DD  DSN=&&SYSUT1,
//                UNIT=SYSDA,
//                SPACE=(1024,(50,20))
//SYSPRINT DD  SYSOUT=*,
//                DCB=(RECFM=FB,LRECL=121,BLKSIZE=1210)
//GO       EXEC  PGM=*.LKED.SYSLMOD,
//                COND=((5,LT,ASM),(4,LT,LKED))
```

```
//COB2UC          PROC  DYNAM=DYNAM,
//                 LIB=NOLIB,
//                 LIST=NOLIST,
//                 SEQ=NOSEQ,
//                 SIZE='SIZE(2048K)',
//                 BUF='BUF(16K)',
//                 OPT=
//****************************************************************
//*                                                              *
//*    PROC FOR COBOL II - COMPILE ONLY                          *
//*                                                              *
//*    THIS PROC IS VS 85-COBOL (VERSION 2) COMPILE.             *
//*                                                              *
//****************************************************************
//COB2           EXEC  PGM=IGYCRCTL,
//                 PARM=('&DYNAM,&LIB,&LIST,&SEQ,&SIZE,&BUF,&OPT'),
//                 REGION=3M
//STEPLIB  DD  DSNAME=SYS2.COBOLII.PROD.COB2COMP,DISP=SHR
//SYSPRINT DD  SYSOUT=*,
//                 DCB=BLKSIZE=121
//SYSLIN   DD  DSNAME=&&LOADSET,UNIT=SYSDA,
//                 DISP=(MOD,PASS),SPACE=(TRK,(3,3))
//SYSUT1   DD  UNIT=SYSDA,SPACE=(CYL,(1,1))
//SYSUT2   DD  UNIT=SYSDA,SPACE=(CYL,(1,1))
//SYSUT3   DD  UNIT=SYSDA,SPACE=(CYL,(1,1))
//SYSUT4   DD  UNIT=SYSDA,SPACE=(CYL,(1,1))
//SYSUT5   DD  UNIT=SYSDA,SPACE=(CYL,(1,1))
//SYSUT6   DD  UNIT=SYSDA,SPACE=(CYL,(1,1))
//SYSUT7   DD  UNIT=SYSDA,SPACE=(CYL,(1,1))
```

```
//COB2UCG       PROC  DYNAM=DYNAM,
//               LIB=NOLIB,
//               LIST=NOLIST,
//               SEQ=NOSEQ,
//               SIZE='SIZE(2048K)',
//               BUF='BUF(16K)',
//               OPT=
//****************************************************************
//*                                                              *
//*   PROC FOR COBOL II - COMPILE AND GO                         *
//*   THIS PROC IS VS 85-COBOL (VERSION 2) COMPILE.              *
//*                                                              *
//****************************************************************
//COB2          EXEC  PGM=IGYCRCTL,
//               PARM=('&DYNAM,&LIB,&LIST,&SEQ,&SIZE,&BUF,&OPT'),
//               REGION=3M
//STEPLIB   DD   DSNAME=SYS2.COBOLII.PROD.COB2COMP,DISP=SHR
//SYSPRINT  DD   SYSOUT=*
//SYSIN     DD   DUMMY
//SYSLIN    DD   DSNAME=&&LOADSET,UNIT=SYSDA,DISP=(MOD,PASS),
//               SPACE=(TRK,(3,3))
//SYSUT1    DD   UNIT=SYSDA,SPACE=(CYL,(1,1))
//SYSUT2    DD   UNIT=SYSDA,SPACE=(CYL,(1,1))
//SYSUT3    DD   UNIT=SYSDA,SPACE=(CYL,(1,1))
//SYSUT4    DD   UNIT=SYSDA,SPACE=(CYL,(1,1))
//SYSUT5    DD   UNIT=SYSDA,SPACE=(CYL,(1,1))
//SYSUT6    DD   UNIT=SYSDA,SPACE=(CYL,(1,1))
//SYSUT7    DD   UNIT=SYSDA,SPACE=(CYL,(1,1))
//GO            EXEC  PGM=LOADER,PARM='MAP,LET',COND=(5,LT,COB2)
//STEPLIB   DD   DSNAME=SYS2.COBOLII.PROD.COB2LIB,DISP=SHR
//SYSLIB    DD   DSNAME=SYS2.COBOLII.PROD.COB2LIB,DISP=SHR
//SYSLIN    DD   DSNAME=*.COB2.SYSLIN,DISP=(OLD,DELETE)
//SYSLOUT   DD   SYSOUT=*
//SYSOUT    DD   SYSOUT=*
//SYSABOUT  DD   SYSOUT=*
//SYSDBOUT  DD   SYSOUT=*
//SYSUDUMP  DD   SYSOUT=*
```

```
//COB2UCL        PROC  DYNAM=DYNAM,
//                LIB=NOLIB,
//                LIST=NOLIST,
//                SEQ=NOSEQ,
//                SIZE='SIZE(2048K)',
//                BUF='BUF(16K)',
//                OPT=
//****************************************************************
//*                                                              *
//*    PROC FOR COBOL II - COMPILE AND LINK                      *
//*    THIS PROC IS VS 85-COBOL (VERSION 2) COMPILE.             *
//*                                                              *
//****************************************************************
//COB2          EXEC  PGM=IGYCRCTL,
//                PARM=('&DYNAM,&LIB,&LIST,&SEQ,&SIZE,&BUF,&OPT'),
//                REGION=3M
//STEPLIB  DD   DSNAME=SYS2.COBOLII.PROD.COB2COMP,DISP=SHR
//SYSPRINT DD   SYSOUT=*
//SYSLIN   DD   DSNAME=&&LOADSET,UNIT=SYSDA,DISP=(MOD,PASS),
//                SPACE=(TRK,(3,3))
//SYSUT1   DD   UNIT=SYSDA,SPACE=(CYL,(1,1))
//SYSUT2   DD   UNIT=SYSDA,SPACE=(CYL,(1,1))
//SYSUT3   DD   UNIT=SYSDA,SPACE=(CYL,(1,1))
//SYSUT4   DD   UNIT=SYSDA,SPACE=(CYL,(1,1))
//SYSUT5   DD   UNIT=SYSDA,SPACE=(CYL,(1,1))
//SYSUT6   DD   UNIT=SYSDA,SPACE=(CYL,(1,1))
//SYSUT7   DD   UNIT=SYSDA,SPACE=(CYL,(1,1))
//LKED  EXEC  PGM=IEWL,PARM='LIST,XREF,LET,MAP',COND=(5,LT,COB2),
//                REGION=512K
//SYSLIN   DD   DSNAME=&&LOADSET,DISP=(OLD,DELETE)
//         DD   DDNAME=SYSIN
//SYSLMOD  DD   DSNAME=QUAN7.&SECT..LOADLIB,DISP=SHR
//SYSLIB   DD   DSNAME=SYS2.COBOLII.PROD.COB2LIB,DISP=SHR
//SYSUT1   DD   UNIT=SYSDA,SPACE=(CYL,(1,1))
//SYSPRINT DD   SYSOUT=*
```

```
//COB2UCLG      PROC  DYNAM=DYNAM,
//              LIB=NOLIB,
//              LIST=NOLIST,
//              SEQ=NOSEQ,
//              SIZE='SIZE(2048K)',
//              BUF='BUF(16K)',
//              OPT=
//****************************************************************
//*                                                              *
//*    PROC FOR COBOL II - COMPILE, LINK, AND GO                 *
//*    THIS PROC IS VS 85-COBOL (VERSION 2) COMPILE.             *
//*                                                              *
//****************************************************************
//COB2         EXEC  PGM=IGYCRCTL,
//             PARM=('&DYNAM,&LIB,&LIST,&SEQ,&SIZE,&BUF,&OPT'),
//             REGION=3M
//STEPLIB  DD  DSNAME=SYS2.COBOLII.PROD.COB2COMP,DISP=SHR
//SYSPRINT DD  SYSOUT=*
//SYSIN    DD  DUMMY
//SYSLIN   DD  DSNAME=&&LOADSET,UNIT=SYSDA,DISP=(MOD,PASS),
//         SPACE=(TRK,(3,3)),DCB=(BLKSIZE=80,LRECL=80,RECFM=FB)
//SYSUT1   DD  UNIT=SYSDA,SPACE=(CYL,(1,1))
//SYSUT2   DD  UNIT=SYSDA,SPACE=(CYL,(1,1))
//SYSUT3   DD  UNIT=SYSDA,SPACE=(CYL,(1,1))
//SYSUT4   DD  UNIT=SYSDA,SPACE=(CYL,(1,1))
//SYSUT5   DD  UNIT=SYSDA,SPACE=(CYL,(1,1))
//SYSUT6   DD  UNIT=SYSDA,SPACE=(CYL,(1,1))
//SYSUT7   DD  UNIT=SYSDA,SPACE=(CYL,(1,1))
//LKED     EXEC PGM=IEWL,PARM='LIST,XREF,LET,MAP',COND=(5,LT,COB2),
//             REGION=512K
//SYSLIN   DD  DSNAME=&&LOADSET,DISP=(OLD,DELETE)
//         DD  DDNAME=SYSIN
//SYSLMOD  DD  DSNAME=&&GOSET(GO),DISP=(,PASS),UNIT=SYSDA,
//             SPACE=(CYL,(1,1,1))
//SYSLIB   DD  DSNAME=SYS2.COBOLII.PROD.COB2LIB,DISP=SHR
//SYSUT1   DD  UNIT=SYSDA,SPACE=(CYL,(1,1))
//SYSPRINT DD  SYSOUT=*
//GO       EXEC  PGM=*.LKED.SYSLMOD,COND=((5,LT,LKED),(5,LT,COB2))
//STEPLIB  DD  DSNAME=SYS2.COBOLII.PROD.COB2LIB,DISP=SHR
//SYSOUT   DD  SYSOUT=*
//SYSABOUT DD  SYSOUT=*
//SYSDBOUT DD  SYSOUT=*
//SYSUDUMP DD  SYSOUT=*
```

Appendix D

JES NODE IDENTIFIERS/NUMBERS AND MCDN SUBAREA ASSIGNMENTS

SITE DESIGNATOR	NODE ID/NUM	SUBAREAS HOST(s)	NCP(s)	LOCATION
AA	ALA/25	22,23	83	Albany
AL	NOL/44	—	—	New Orleans
AV	BIV/48	—	—	Blount Island
BB	CLB/32	15	78	Camp Lejeune
BD	NFD/39	—	—	Norfolk
BK	PIK/36	—	—	Parris Island
BY	CPY/35	—	—	Cherry Point
CE	CAE/	63	—	Contingency Act. East
CW	CAW/	62	—	Contingency Act. West
PF	HIF/33	—	94	Camp Smith
PJ	KBJ/41	38	52	Kaneohe Bay
GG	MQG/22	7		Quantico
GI	HQI/24	—	—	HQMC
GM	GM1/60	13	206	MMRB
GS	CSS/23	10	51	Computer Sciences School
GX	MQX/49	9	61	MCDA, Quantico
GY	DFY/52	—	—	DFASC
PP	CPP/27	28,29	87	Camp Pendleton
PE	ETE/30	—	—	El Toro
PH	YMH/42	—	—	Yuma
PM	BAM/29	—	—	Barstow
PN	TPN/43	—	—	Twentynine Palms
PO	SDO/31	—	—	San Diego
RR	OKR/34	40	96	Okinawa
RQ	OKQ/40	41	97	Camp Foster
RZ	IWZ/37	42	55	Iwakuni
TT	KCT/20	1,2	70	Kansas City
TC	RFC/38	—	45	MCRSC, Overland Park
UU	DFU/45	—	—	FASC1
VV	DFV/46	—	—	FASC2
WW	DFW/47	—	—	FASC3

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Appendix E

ADABAS PARAMETERS

Parameter	Default	Standard	
CT	60		
DBID	1	1-49	DBA use
		50-99	DA Assigned
		100	Logistics Class I
		149	MC Schools
		150	Financial Class I
		200	Manpower Class I
		250	Global Buffer Pool (optional)
		251+	Reserved for Future use
DEVICE	3380 (Set by device parameter)		
DUALCLD	3380		
DUALCLS	NONE		
DUALPLD	3380 (Set by device parameter)		
DUALPLS	NONE		
FORCE	NO		
Hexnn	NONE		
IGNDIB	NO		
LBP	250000		
LCP	10000		
LFP	12000		
LI	10000		
LOGGING	NO		
LP	1000		
LQ	10000		
LS	49920		
LU	65535		
LWP	150000		
MIRROR	NO		
MODE	MULTI		
MPMASSO	NONE		
MPMDATA	NONE		
NAB	16		
NC	200		
NH	500		
NISNHQ	20 or NH divided by NU *2 whichever is larger, *not to exceed a max of 102*		
NQCID	5		
NSISN	51		
NT	5		
NU	200		
OPENRQ	YES	YES	
PLOGMIR	NO		
PLOGRQ	YES		

Parameter	Default	Standard
PMASSO	NONE	
PMDATA	NONE	
PREFETCH	NO	
PREFSBL	3000	
PREFTBL	30000	
PREFXCMD	NONE	
PREFXFIL	NONE	
PROGRAM	USER	ADANUC
QBLKSIZE	0	
READONLY	NO	
SVC	249	234
TLSCMD	300	
TNAA	900	
TNAE	900	
TNAX	900	
TT	300	
UEXn	NONE	
UTIONLY	NO	

Appendix F

SUBJECT CLASSIFICATION CODES

SCC	Acronym	ADS Code	Functional Manager
B209	PWMIS	302	I&L
B450	BMIS	475	MCB, CLNC
B45R	BMIS RET	475	MCB, CLNC
C001	TIMS	103	M
C00R	TIMS RET	103	M
C002	CPRRS	103	FD
D001	3M	480	A
D00R	3M RET	480	A
D010	UADPS/SP	445	A
D011	SUAADPS-SP	445	A
1200	LEAP	103	M
1300	CPMS	103	M
1350	R3S	103	CDA, KCMO
1400	BMMIS	103	MCB, CLNC
1450	RSC-LMS	103	MCRSC
1500	LOCAL MANPWR	103	M
1510	ABSENTEE	103	M
1525	UDES	103	M
1601	OFF STF GOAL/SLT	103	M
1602	OFFICER SLATE	103	M
1604	PCS HIST PROC	103	M
1605	ASGN	103	M
1606	ENL CLASS/ASGN	103	M
1610	TOURS	103	M
1612	OFFICER PROM	103	M
1615	MC AFRS-REV-REG	103	M
1616	MC A FIT REP	103	M
161R	MC A FIT REP RET	103	M
1620	SNCO PROM	103	M
1621	SNCO PROM (USMCR)	103	M
1625	MC AFRS-REV-RES	103	M
1627	OFFICER LINEAL	103	M
1700	MMIS	103	II MEF
1740	RAMS-ARMS-RECRUIT	103	I&L
1780	RECRUITER ASGN	103	M
1782	MIL FY DEF PLAN	103	M
1785	HQMC FILE MAINT	103	M
1787	HQMC TABLE FILE	103	M
1789	RECUR RPT (HMF)	103	M
1790	RECUR RPT (STAT)	103	M

SCC	Acronym	ADS Code	Functional Manager
1794	PCS EXTR/COMP	103	M
1845	RESERVE PERSONNEL	103	M
1900	RETIRED PERSONNEL	103	M
1903	DPLS	103	FDD
1910	RETIRED GENERALS	103	M
1931	RESIGN/RETIRE	103	M
1933	CPRDS	103	M
2000	ACEOI	320	CCT
2200	MEPS	473	C4
2390	CICS	302	CDA, QUANTICO
2460	VTAM	302	CDA, QUANTICO
2465	NETVIEW	302	CDA, QUANTICO
2470	TSO	302	CDA, QUANTICO
2480	ROSCOE	302	CDA, QUANTICO
2485	COMTEN	302	CDA, KCMO
2486	REUSRO	302	CDA, KCMO
2495	STRUCTURES	302	CDA, KCMO
2500	LOCAL COMM	302	CDA, QUANTICO
2600	TMBS	302	MCB, CLNC
3000	UNITREP	320	POC
300R	UNITREP RET	320	POC
3002	JOPS	320	POC
30R2	JOPS RET	320	POC
3003	FREDS	305	A
30R3	FREDS RET	305	A
3004	MCCRES	320	PO
30R4	MCCES RET	320	PO
3005	NAVFLIRS	305	A
3030	TIS	103	T
303R	TIS RET	103	T
3500	LOCAL OPS	302	
3510	LMS	302	CDA, ALBANY
3633	MCI	702	MB, WASH
4002	DATA CTL	473	I&L
4003	INVENTORY C/L	472	I&L
40R3	INVENTORY C/L RET	472	I&L
4004	STORES ACCTS	471	I&L
40R4	STORES ACCTS RET	471	I&L
4005	PROCUREMENT	472	I&L
40R5	PROCUREMENT RET	472	I&L
4006	MOWASP	472	I&L
40R6	MOWASP RET	472	I&L
4007	DSSC	443	I&L

SCC	Acronym	ADS Code	Functional Manager
40R7	DSSC RET	443	I&L
4008	DIDS	473	I&L
40R8	DIDS RET	473	I&L
4009	APPLICATIONS	473	I&L
40R9	APPLICATIONS RET	473	I&L
4010	PROVISIONING	473	I&L
401R	PROVISIONING RET	473	I&L
4011	WAR RESERVES	473	I&L
40R1	WAR RESERVES RET	473	I&L
4012	SET ASSEMBLY SYSTEM	740	I&L
4013	ITEM MGT	472	I&L
42R3	ITEM MGT RET	472	I&L
4014	STRATIFICATION	471	I&L
42R4	STRATIFICATION RET	471	I&L
4016	MILSTEP	475	I&L
42R6	MILSTEP RET	475	I&L
4017	ALLOT/VOUCHER	471	I&L
42R7	ALLOT/VOUCHER RET	471	I&L
4018	MAARS	472	I&L
42R8	MAARS RET	472	I&L
4020	BALCS	471	I&L
4022	LIS	475	I&L
40R2	LIS RET	475	I&L
4100	SASSY	443	I&L
4101	SASSY DB	443	I&L
4102	DSSC DB	443	I&L
410R	SASSY RET	443	I&L
4150	MIMMS FIELD	474	I&L
415R	MIMMS RET	474	I&L
4151	MIMMS HQTRS	474	I&L
4152	MIMMS DEPOT	474	I&L
4154	WSESM	475	I&L

SCC	Acronym	ADS Code	Functional Manager
41R4	WSESM RET	475	I&L
4155	MEDS	402	I&L
41R5	MEDS RET	402	I&L
43xx[1]	M3S	472	I&L
431x[1]	DATA ENTRY	472	I&L
432x[1]	VALIDATION	472	I&L
433x[1]	TECHNICAL DATA	472	I&L
434x[1]	MATERIEL MGT	472	I&L
435x[1]	FINANCIAL MGT	472	I&L
436x[1]	TRANSPORT MGT	472	I&L
437x[1]	AUTO CONTRACT	472	I&L
438x[1]	MODELING & SIMUL	472	I&L
439x[1]	OUTPUT PROC	472	I&L
4400	MEDS FIELD	402	I&L
440R	MEDS FIELD ET	402	I&L
4402	MC MCC	701	I&L
44R2	MC MCC RET	701	I&L
4403	MMAAMS	401	FMFLANT
4410	TRANS VOUCH	702	FD
441R	TRANS VOUCH	702	FD
4500	LOCAL LOG	401	I&L
4505	RSC-LS	401	MCRSC
4506	RSC-SIP	443	MCRSC
4524	LMIS	475	I&L
452R	LMIS RET	475	I&L
4531	MAGTF	473	I&L
4995	MCBALL	302	CDA, QUANTICO
5000	CMP	302	C4
5002	FIELD TMR	701	M
50R2	FIELD TMR RET	701	M
5003	HQTRS TMR	701	M
50R3	HQTRS TMR RET	701	M
5300	APS	472	HQS
5401	AUTO PUBS	472	I&L
54R1	AUTO PUBS RET	472	I&L
5410	ADP SECURITY	302	C4
5420	DBMS	302	CDA, QUANTICO
5445	CAI	155	CSS
5470	OLMAN	701	M
5500	SYS MAINT	302	

SCC	Acronym	ADS Code	Functional Manager
5590	TTS	302	HQS
5600	PROJ MGT	3.	CDA, KCMO
5633	MCMASS	3..	CDA, KCMO
5640	DATA BASE MGR	302	CDA, KCMO
5643	ADABAS	302	CDA, KCMO
5660	ADAMINT	302	CDA, KCMO
5670	TABLE MGMT	302	CDA, KCMO
5675	NAP	302	CDA, KCMO
5695	RFDD	302	CDA, KCMO
5700	HQDC	302	HQS
5913	PHYSICAL FITNESS	103	M
5916	REC BR AUDIT	103	M
5920	AUTH STR & MAN	103	M
5921	TMR	103	M
5922	MILPERS PRIME	703	M
5923	FIELD TMR	103	M
5926	TOP LVL SCHOOL	103	M
6400	DENTAL	601	3D MAW
640R	DENTAL RET	601	3D MAW
7001	MCIF	701	FD
70R1	MCIF RET	701	FD
7002	NET PAY	701	FD
70R2	NET PAT RET	701	FD
7004	MAGFARS	701	FD
70R4	MAGFARS RET	702	FD
7005	DEP/LEV/MAIN	710	FD
70R5	DEP/LEV/MAIN RET	710	FD
7006	STD GEN LDG	702	FD
70R6	STD GEN LDG RET	702	FD
7007	BUDGET SYS	702	FD
70R7	BUDGET SYS RET	702	FD
7010	DEPLOYED PAY	701	FD
7030	JUMPS-CENTRAL	701	FD
703R	JUMPS-CENTRAL RET	701	FD
7031	B&A FIELD	706	FD
72R1	B&A FIELD RET	706	FD
7032	B&A CENTRAL	706	FD
72R2	B&A CENTRAL RET	706	FD
7033	POSTER	701	FD
7034	FORMAT & EDIT	701	FD
7035	RETIRED PAY	711	FD
7036	REMMPS	709	RES/FD
7037	RRMOB	709	RES/FD

SCC	Acronym	ADS Code	Functional Manager
7R37	RRMOB RET	702	RES/FD
72R6	REMMPS RET	709	RES/FD
7038	TREASURY TAPE	701	CDA, KCMO
7039	JUMPS/W2/FICA	701	FD
7040	JUMPS/MMS	701	M/FD
704R	JUMPS/MMS RET	701	M/FD
7045	ARMS	701	M
7046	SER1 MSS	701	CDA, KCMO
7047	DBUDES	302	CDA, KCMO
7049	CONU	701	FD
71xx[1]	SABRS	702	FD
7230	ALPS	707	FD
723R	ALPS RET	707	FD
7239	OCR PGMS	701	FD
7250	DOV	708	FD
725R	DOV RET	708	FD
7300	PRIME	702	FD
730R	PRIME RET	702	FD
7301	FACMA	702	FD
73R1	FACMA RET	702	FD
7302	ALLOT ACTG	702	FD
73R2	ALLOT ACTG RET	702	FD
7303	STAFAS	702	FD
73R3	STAFAS RET	702	FD
7400	NAVRES	702	FD
740R	NAVRES RET	702	FD
7402	MCERRS	702	FD
74R2	MCERRS RET	702	FD
7405	SIDB	702	FD
74R5	SIDB RET	702	FD
7452	FARMS	703	MCCDC, QUANTICO
7480	PAST	701	FD
7500	LOCAL FINAN	703	FD
7550	HQMC FILE MAINT	703	CDA, QUANTICO
9999	LOCAL OTHER	302	

Notes:

[1]   Lower case "x" in the SCC denotes any alphanumeric.

[2]   The 4300 and 430R are reserved out of the M3S block of
      SCC's until the next release of the system.

Appendix G

STANDARD SYS1.PARMLIB MEMBERS

```
************
**ADYSET00**
************


DAE=START,RECORDS(900),
         SVCDUMP(MATCH,SUPPRESS,UPDATE),
         SYSMDUMP(MATCH,UPDATE)



************
**ADYSET01**
************


DAE=STOP
************
**BLSCECT**
************


/* ------------------------------------------------------------------- *
/* Print Dump Control Statements and IPCS Verb Exits                    *
/* =================================================================== *
   EXIT EP(ILRFTMAN) VERB(ASMDATA); /* ASM control block analysis       *
   EXIT EP(AVFRDFMT) VERB(AVMDATA); /* AVM control block analysis       *
   EXIT EP(BLSQCPU) VERB(CPUDATA); /* CPU-related data areas            *
   EXIT EP(AMDPRCVT) VERB(CVTMAP); /* CVT formatter                     *
   EXIT EP(ADYHDFMT) VERB(DAEDATA) HEADER; /* DAE header data           *
   EXIT EP(DSNWDPRD) VERB(DSNWDMP); /* DB2 data                         *
   EXIT EP(ISGDPDMP) VERB(GRSTRACE); /* Alias for QCBTRACE              *
   EXIT EP(DFSOFMD0) VERB(IMSDUMP); /* IMS analysis                     *
   EXIT EP(DXRRLM50) VERB(IRLM) AMASK(X'00FFFFFF'); /* IMS IRLM         *
   EXIT EP(IOSVFMTH) VERB(IOSDATA); /* IOS control block analysis       *
   EXIT EP(HASPBLKS) VERB(JES2) ;   /* JES2 analysis                    *
   EXIT EP(IATABPR)  VERB(JES3) ;   /* JES3 analysis                    *
   EXIT EP(IEAVTREF) VERB(LOGDATA); /* LOGREC formatter                 *
   EXIT EP(IEEMB817) VERB(MTRACE); /* Master TRACE formatter            *
   EXIT EP(IEAVNUCM) VERB(NUCMAP); /* Nucleus mapping routine           *
   EXIT EP(ISGDPDMP) VERB(Q);       /* Alias for QCBTRACE               *
   EXIT EP(ISGDPDMP) VERB(QCBTRACE); /* GRS ENQ formatter               *
   EXIT EP(IARRDMP)  VERB(RSMDATA); /* RSM control block analysis       *
   EXIT EP(IRARMFMT) VERB(SRMDATA); /* SRM control block analysis       *
   EXIT EP(AMDSAFCM) VERB(SADMPMSG); /* SADMP console message dump      *
   EXIT EP(IEAVTFSD) VERB(SUMDUMP); /* Summary dump formatter           *
   EXIT EP(BLSQSUM1) VERB(SUMMARY); /* Summary processor                *
   EXIT EP(ASRSYMV)  VERB(SYMPTOM); /* SYMREC symptom formatter         *
   EXIT EP(ASRSYMV)  VERB(SYMPTOMS); /* SYMREC symptom formatter        *
   EXIT EP(IEDPRDMP) VERB(TCAMMAP) AMASK(X'00FFFFFF'); /* TCAM          *
```

```
* * * * * * * * * *
* * BLSCECT * *
* * -cont- * *
* * * * * * * * * *


    EXIT EP(IEAVETFC) VERB(TRACE);   /* System TRACE formatter
    EXIT EP(IKJVETSO) VERB(TSODATA); /* TSO data analysis
    EXIT EP(IGVSFMAN) VERB(VSMDATA); /* VSM control block analysis
    EXIT EP(ISTRAFD1) VERB(VTAMMAP) AMASK(X'00FFFFFF'); /* VTAM
/* ----------------------------------------------------------------
/* TCB formatting exits--invoked in the order listed
/* ----------------------------------------------------------------
    EXIT EP(IECDAFMT) TCB;             /* Data Management TCB exit
    EXIT EP(IECIOFMT) TCB;             /* IOS TCB exit
    EXIT EP(IEAVTFMT) TCB;             /* RTM TCB exit
    EXIT EP(IEAVSSA1) TCB;             /* Vector feature TCB exit
/* ----------------------------------------------------------------
/* CBSTAT exits--invoked in the order listed
/* ----------------------------------------------------------------
    EXIT EP(IEAVTRCA) CBSTAT(TCB);   /* RTM TCB status exit
    EXIT EP(IEAVG701) CBSTAT(TCB);   /* COMMTASK TCB exit for WTORs
    EXIT EP(IEAVTRCA) CBSTAT(ASCB);  /* RTM ASCB status exit
    EXIT EP(IRARMCBS) CBSTAT(ASCB);  /* SRM ASCB status exit
/* ----------------------------------------------------------------
/* ANALYZE exits--invoked in the order listed
/* ----------------------------------------------------------------
    EXIT EP(IEAVESLX) ANALYZE;         /* Supervisor lock analysis
    EXIT EP(IOSVFMTH) ANALYZE;         /* IOS I/O contention analysis
    EXIT EP(ISGDCONT) ANALYZE;         /* GRS ENQ contention analysis
/* ----------------------------------------------------------------
/* CICS EXIT FOR PRDMP SUPPORT
/* ----------------------------------------------------------------
    EXIT EP(DFHPDX) VERB(CICSDATA)   /* CICS


* * * * * * * * * * * *
* * CLOCK00 * *
* * * * * * * * * * * *


OPERATOR NOPROMPT                  /* PROMPT IS REQUIRED FOR A SHARED *
TIMEZONE W.00.00.00                /* SPOOL ENVIRONMENT               *


* * * * * * * * * * * *
* * COMMND00 * *
* * * * * * * * * * * *


COM='CD SET,SDUMP=(PSA,NUC,SQA,LSQA,CSA,RGN,TRT,SWA,LPA,SUMDUMP),ADD
COM='S JES2'
COM='S TSS'
```

```
* * * * * * * * * * * *
**ERBRMF00**
* * * * * * * * * * * *

CHAN                                /* CHANNEL STATISTICS              */
CPU                                 /* CPU STATISTICS                  */
CYCLE(1000)                         /* SAMPLE AT ONE SECOND            */
DEVICE(NOCOMM)                      /* PREVENT COMMUNICATION           */
DEVICE(DASD)                        /* COLLECT DIRECT ACCESS DEVICE    */
DEVICE(NOCHRDR)                     /* PREVENT CHARACTER READER        */
DEVICE(NOGRAPH)                     /* PREVENT GRAPHICS DEVICE         */
DEVICE(NONMBR)                      /* NO DEVICE SELECTIVITY BY        */
DEVICE(TAPE)                        /* PREVENT TAPE DEVICE             */
DEVICE(NOUNITR)                     /* PREVENT UNIT RECORD DEVICE      */
ENQ(SUMMARY)                        /* PREVENT ENQ REPORT              */
INTERVAL(10M)                       /* REPORT AT 10 MINUTE INTERVALS   */
IOQ(DASD)                           /* COLLECT DIRECT ACCESS DEVICE    */
IOQ(NOCHRDR)                        /* PREVENT CHARACTER READER        */
IOQ(NOCOMM)                         /* PREVENT COMMUNICATION           */
IOQ(NOGRAPH)                        /* PREVENT GRAPHICS DEVICE         */
IOQ(NONMBR)                         /* NO SELECTIVITY BY DEVICE        */
IOQ(NOTAPE)                         /* PREVENT TAPE DEVICE             */
IOQ(NOUNITR)                        /* PREVENT UNIT RECORD DEVICE      */
NOEXITS                             /* DO NOT TAKE USER EXITS          */
NOOPTIONS                           /* OPERATOR NOT EXAMINE AND/OR     */
NOREPORT                            /* NO WRITTEN REPORTS              */
NOSTOP                              /* REMAIN ACTIVE UNTIL OPERATOR    */
NOSYNC                              /* NO INTERVAL SYNC                */
NOTRACE                             /* PREVENT TRACE REPORT            */
PAGESP                              /* COLLECT PAGE SWAP STATISTICS    */
PAGING                              /* COLLECT PAGING STATISTICS       */
RECORD                              /* SMF RECORDING                   */
SYSOUT(F)                           /* INTERVAL REPORTS TO CLASS F     */
WKLD(PERIOD,SYSTEM,DOMAIN,OBJ,TIME) /* COLLECT  WORKLOAD               */
```

```
* * * * * * * * * * * *
* *GIMOPCDE* *
* * * * * * * * * * * *


KEY=A         TYPE=OPCODE    /* CODE = 5A */.
KEY=AD        TYPE=OPCODE    /* CODE = 6A */.
KEY=ADR       TYPE=OPCODE    /* CODE = 2A */.
KEY=AE        TYPE=OPCODE    /* CODE = 7A */.
KEY=AER       TYPE=OPCODE    /* CODE = 3A */.
KEY=AH        TYPE=OPCODE    /* CODE = 4A */.
KEY=AL        TYPE=OPCODE    /* CODE = 5E */.
KEY=ALR       TYPE=OPCODE    /* CODE = 1E */.
KEY=AP        TYPE=OPCODE    /* CODE = FA */.
KEY=AR        TYPE=OPCODE    /* CODE = 1A */.
KEY=AU        TYPE=OPCODE    /* CODE = 7E */.
KEY=AUR       TYPE=OPCODE    /* CODE = 3E */.
KEY=AW        TYPE=OPCODE    /* CODE = 6E */.
KEY=AWR       TYPE=OPCODE    /* CODE = 2E */.
KEY=AXR       TYPE=OPCODE    /* CODE = 36 */.
KEY=BAL       TYPE=OPCODE    /* CODE = 45 */.
KEY=BALR      TYPE=OPCODE    /* CODE = 05 */.
KEY=BAS       TYPE=OPCODE    /* CODE = 4D */.
KEY=BASR      TYPE=OPCODE    /* CODE = 0D */.
KEY=BASSM     TYPE=OPCODE    /* CODE = 0C */.
KEY=BC        TYPE=OPCODE    /* CODE = 47 */.
KEY=B         TYPE=OPCODE    /* CODE = 47 - EXTENDED MNEMONIC FOR BC *,
KEY=BE        TYPE=OPCODE    /* CODE = 47 - EXTENDED MNEMONIC FOR BC *,
KEY=BH        TYPE=OPCODE    /* CODE = 47 - EXTENDED MNEMONIC FOR BC *,
KEY=BL        TYPE=OPCODE    /* CODE = 47 - EXTENDED MNEMONIC FOR BC */
KEY=BM        TYPE=OPCODE    /* CODE = 47 - EXTENDED MNEMONIC FOR BC */
KEY=BNE       TYPE=OPCODE    /* CODE = 47 - EXTENDED MNEMONIC FOR BC */
KEY=BNH       TYPE=OPCODE    /* CODE = 47 - EXTENDED MNEMONIC FOR BC */
KEY=BNL       TYPE=OPCODE    /* CODE = 47 - EXTENDED MNEMONIC FOR BC */
KEY=BNM       TYPE=OPCODE    /* CODE = 47 - EXTENDED MNEMONIC FOR BC */
KEY=BNO       TYPE=OPCODE    /* CODE = 47 - EXTENDED MNEMONIC FOR BC */
KEY=BNP       TYPE=OPCODE    /* CODE = 47 - EXTENDED MNEMONIC FOR BC */
KEY=BNZ       TYPE=OPCODE    /* CODE = 47 - EXTENDED MNEMONIC FOR BC */
KEY=BO        TYPE=OPCODE    /* CODE = 47 - EXTENDED MNEMONIC FOR BC */
KEY=BP        TYPE=OPCODE    /* CODE = 47 - EXTENDED MNEMONIC FOR BC */
KEY=BZ        TYPE=OPCODE    /* CODE = 47 - EXTENDED MNEMONIC FOR BC */
KEY=BCR       TYPE=OPCODE    /* CODE = 07 */.
KEY=B         TYPE=OPCODE    /* CODE = 07 - EXTENDED MNEMONIC FOR BCR *
KEY=BER       TYPE=OPCODE    /* CODE = 07 - EXTENDED MNEMONIC FOR BCR *
KEY=BHR       TYPE=OPCODE    /* CODE = 07 - EXTENDED MNEMONIC FOR BCR *
KEY=BLR       TYPE=OPCODE    /* CODE = 07 - EXTENDED MNEMONIC FOR BCR *
KEY=BMR       TYPE=OPCODE    /* CODE = 07 - EXTENDED MNEMONIC FOR BCR *
KEY=BNER      TYPE=OPCODE    /* CODE = 07 - EXTENDED MNEMONIC FOR BCR *
KEY=BNHR      TYPE=OPCODE    /* CODE = 07 - EXTENDED MNEMONIC FOR BCR *
KEY=BNLR      TYPE=OPCODE    /* CODE = 07 - EXTENDED MNEMONIC FOR BCR *
KEY=BNMR      TYPE=OPCODE    /* CODE = 07 - EXTENDED MNEMONIC FOR BCR *
KEY=BNOR      TYPE=OPCODE    /* CODE = 07 - EXTENDED MNEMONIC FOR BCR *
KEY=BNPR      TYPE=OPCODE    /* CODE = 07 - EXTENDED MNEMONIC FOR BCR *
KEY=BNZR      TYPE=OPCODE    /* CODE = 07 - EXTENDED MNEMONIC FOR BCR *
```

```
************
**GIMOPCDE**
** -cont- **
************
```

```
KEY=BOR        TYPE=OPCODE   /* CODE = 07 - EXTENDED MNEMONIC FOR BCR
KEY=BPR        TYPE=OPCODE   /* CODE = 07 - EXTENDED MNEMONIC FOR BCR
KEY=BZR        TYPE=OPCODE   /* CODE = 07 - EXTENDED MNEMONIC FOR BCR
KEY=BR         TYPE=OPCODE   /* CODE = 07 - EXTENDED MNEMONIC FOR BCR
KEY=BCT        TYPE=OPCODE   /* CODE = 46 */.
KEY=BCTR       TYPE=OPCODE   /* CODE = 06 */.
KEY=BSM        TYPE=OPCODE   /* CODE = 0B */.
KEY=BXH        TYPE=OPCODE   /* CODE = 86 */.
KEY=BXLE       TYPE=OPCODE   /* CODE = 87 */.
KEY=C          TYPE=OPCODE   /* CODE = 59 */.
KEY=CD         TYPE=OPCODE   /* CODE = 69 */.
KEY=CDR        TYPE=OPCODE   /* CODE = 29 */.
KEY=CDS        TYPE=OPCODE   /* CODE = BB */.
KEY=CE         TYPE=OPCODE   /* CODE = 79 */.
KEY=CER        TYPE=OPCODE   /* CODE = 39 */.
KEY=CH         TYPE=OPCODE   /* CODE = 49 */.
KEY=CL         TYPE=OPCODE   /* CODE = 55 */.
KEY=CLC        TYPE=OPCODE   /* CODE = D5 */.
KEY=CLCL       TYPE=OPCODE   /* CODE = 0F */.
KEY=CLI        TYPE=OPCODE   /* CODE = 95 */.
KEY=CLM        TYPE=OPCODE   /* CODE = BD */.
KEY=CLR        TYPE=OPCODE   /* CODE = 15 */.
KEY=CLRCH      TYPE=OPCODE   /* CODE = 9F01 */.
KEY=CLRIO      TYPE=OPCODE   /* CODE = 9D01 */.
KEY=CONCS      TYPE=OPCODE   /* CODE = B200 */.
KEY=CP         TYPE=OPCODE   /* CODE = F9 */.
KEY=CR         TYPE=OPCODE   /* CODE = 19 */.
KEY=CS         TYPE=OPCODE   /* CODE = BA */.
KEY=CSCH       TYPE=OPCODE   /* CODE = B230 */.
KEY=CVB        TYPE=OPCODE   /* CODE = 4F */.
KEY=CVD        TYPE=OPCODE   /* CODE = 4E */.
KEY=D          TYPE=OPCODE   /* CODE = 5D */.
KEY=DD         TYPE=OPCODE   /* CODE = 6D */.
KEY=DDR        TYPE=OPCODE   /* CODE = 2D */.
KEY=DE         TYPE=OPCODE   /* CODE = 7D */.
KEY=DER        TYPE=OPCODE   /* CODE = 3D */.
KEY=DIAGNOSE   TYPE=OPCODE   /* CODE = 83 */.
KEY=DISCS      TYPE=OPCODE   /* CODE = B201 */.
KEY=DP         TYPE=OPCODE   /* CODE = FD */.
KEY=DR         TYPE=OPCODE   /* CODE = 1D */.
KEY=DXR        TYPE=OPCODE   /* CODE = B22D */.
KEY=ED         TYPE=OPCODE   /* CODE = DE */.
KEY=EDMK       TYPE=OPCODE   /* CODE = DF */.
KEY=EPAR       TYPE=OPCODE   /* CODE = B226 */.
KEY=ESAR       TYPE=OPCODE   /* CODE = B227     .
KEY=EX         TYPE=OPCODE   /* CODE = 44 *
KEY=HDR        TYPE=OPCODE   /* CODE = 24 */.
KEY=HDV        TYPE=OPCODE   /* CODE = 9E01 */.
```

```
* * * * * * * * * * * *
**GIMOPCDE**
** -cont- **
* * * * * * * * * * * *

KEY=HER        TYPE=OPCODE   /* CODE = 34 */.
KEY=HIO        TYPE=OPCODE   /* CODE = 9E00 */.
KEY=HSCH       TYPE=OPCODE   /* CODE = B231 */.
KEY=IAC        TYPE=OPCODE   /* CODE = B224 */.
KEY=IC         TYPE=OPCODE   /* CODE = 43 */.
KEY=ICM        TYPE=OPCODE   /* CODE = BF */.
KEY=IPK        TYPE=OPCODE   /* CODE = B20B */.
KEY=IPM        TYPE=OPCODE   /* CODE = B222 */.
KEY=IPTE       TYPE=OPCODE   /* CODE = B221 */.
KEY=ISK        TYPE=OPCODE   /* CODE = 09 */.
KEY=ISKE       TYPE=OPCODE   /* CODE = B229 */.
KEY=IVSK       TYPE=OPCODE   /* CODE = B223 */.
KEY=L          TYPE=OPCODE   /* CODE = 58 */.
KEY=LA         TYPE=OPCODE   /* CODE = 41 */.
KEY=LASP       TYPE=OPCODE   /* CODE = E500 */.
KEY=LCDR       TYPE=OPCODE   /* CODE = 23 */.
KEY=LCER       TYPE=OPCODE   /* CODE = 33 */.
KEY=LCR        TYPE=OPCODE   /* CODE = 13 */.
KEY=LCTL       TYPE=OPCODE   /* CODE = B7 */.
KEY=LD         TYPE=OPCODE   /* CODE = 68 */.
KEY=LDR        TYPE=OPCODE   /* CODE = 28 */.
KEY=LE         TYPE=OPCODE   /* CODE = 78 */.
KEY=LER        TYPE=OPCODE   /* CODE = 38 */.
KEY=LH         TYPE=OPCODE   /* CODE = 48 */.
KEY=LM         TYPE=OPCODE   /* CODE = 98 */.
KEY=LNDR       TYPE=OPCODE   /* CODE = 21 */.
KEY=LNER       TYPE=OPCODE   /* CODE = 31 */.
KEY=LNR        TYPE=OPCODE   /* CODE = 11 */.
KEY=LPDR       TYPE=OPCODE   /* CODE = 20 */.
KEY=LPER       TYPE=OPCODE   /* CODE = 30 */.
KEY=LPR        TYPE=OPCODE   /* CODE = 10 */.
KEY=LPSW       TYPE=OPCODE   /* CODE = 82 */.
KEY=LR         TYPE=OPCODE   /* CODE = 18 */.
KEY=LRA        TYPE=OPCODE   /* CODE = B1 */.
KEY=LRDR       TYPE=OPCODE   /* CODE = 25 */.
KEY=LRER       TYPE=OPCODE   /* CODE = 35 */.
KEY=LTDR       TYPE=OPCODE   /* CODE = 22 */.
KEY=LTER       TYPE=OPCODE   /* CODE = 32 */.
KEY=LTR        TYPE=OPCODE   /* CODE = 12 */.
KEY=M          TYPE=OPCODE   /* CODE = 5C */.
KEY=MC         TYPE=OPCODE   /* CODE = AF */.
KEY=MD         TYPE=OPCODE   /* CODE = 6C */.
KEY=MDR        TYPE=OPCODE   /* CODE = 2C */.
KEY=ME         TYPE=OPCODE   /* CODE = 7C */.
KEY=MER        TYPE=OPCODE   /* CODE = 3C */.
KEY=MH         TYPE=OPCODE   /* CODE = 4C */.
KEY=MP         TYPE=OPCODE   /* CODE = FC */.
KEY=MR         TYPE=OPCODE   /* CODE = 1C */.
```

```
************
**GIMOPCDE**
** -cont- **
************
```

```
KEY=MSCH       TYPE=OPCODE    /* CODE = B232 */.
KEY=MVC        TYPE=OPCODE    /* CODE = D2 */.
KEY=MVCIN      TYPE=OPCODE    /* CODE = E8 */.
KEY=MVCK       TYPE=OPCODE    /* CODE = D9 */.
KEY=MVCL       TYPE=OPCODE    /* CODE = 0E */.
KEY=MVCP       TYPE=OPCODE    /* CODE = DA */.
KEY=MVCS       TYPE=OPCODE    /* CODE = DB */.
KEY=MVI        TYPE=OPCODE    /* CODE = 92 */.
KEY=MVN        TYPE=OPCODE    /* CODE = D1 */.
KEY=MVO        TYPE=OPCODE    /* CODE = F1 */.
KEY=MVZ        TYPE=OPCODE    /* CODE = D3 */.
KEY=MXD        TYPE=OPCODE    /* CODE = 67 */.
KEY=MXDR       TYPE=OPCODE    /* CODE = 27 */.
KEY=MXR        TYPE=OPCODE    /* CODE = 26 */.
KEY=N          TYPE=OPCODE    /* CODE = 54 */.
KEY=NC         TYPE=OPCODE    /* CODE = D4 */.
KEY=NI         TYPE=OPCODE    /* CODE = 94 */.
KEY=NOP        TYPE=OPCODE    /* CODE = 47 - EXTENDED MNEMONIC FOR BC */.
KEY=NOPR       TYPE=OPCODE    /* CODE = 07 - EXTENDED MNEMONIC FOR BR */.
KEY=NR         TYPE=OPCODE    /* CODE = 14 */.
KEY=O          TYPE=OPCODE    /* CODE = 56 */.
KEY=OC         TYPE=OPCODE    /* CODE = D6 */.
KEY=OI         TYPE=OPCODE    /* CODE = 96 */.
KEY=OR         TYPE=OPCODE    /* CODE = 16 */.
KEY=PACK       TYPE=OPCODE    /* CODE = F2 */.
KEY=PC         TYPE=OPCODE    /* CODE = B218 */.
KEY=PT         TYPE=OPCODE    /* CODE = B228 */.
KEY=PTLB       TYPE=OPCODE    /* CODE = B20D */.
KEY=RCHP       TYPE=OPCODE    /* CODE = B23B */.
KEY=RDD        TYPE=OPCODE    /* CODE = 85 */.
KEY=RIO        TYPE=OPCODE    /* CODE = 9C02 */.
KEY=RRB        TYPE=OPCODE    /* CODE = B213 */.
KEY=RRBE       TYPE=OPCODE    /* CODE = B22A */.
KEY=RSCH       TYPE=OPCODE    /* CODE = B238 */.
KEY=S          TYPE=OPCODE    /* CODE = 5B */.
KEY=SAC        TYPE=OPCODE    /* CODE = B219 */.
KEY=SAL        TYPE=OPCODE    /* CODE = B237 */.
KEY=SCHM       TYPE=OPCODE    /* CODE = B23C */.
KEY=SCK        TYPE=OPCODE    /* CODE = B204 */.
KEY=SCKC       TYPE=OPCODE    /* CODE = B206 */.
KEY=SD         TYPE=OPCODE    /* CODE = 6B */.
KEY=SDR        TYPE=OPCODE    /* CODE = 2B */.
KEY=SE         TYPE=OPCODE    /* CODE = 7B */.
KEY=SER        TYPE=OPCODE    /* CODE = 3B */.
KEY=SH         TYPE=OPCODE    /* CODE = 4B */.
KEY=SIGP       TYPE=OPCODE    /* CODE = AE */.
KEY=SIO        TYPE=OPCODE    /* CODE = 9C00 */.
KEY=SIOF       TYPE=OPCODE    /* CODE = 9C01 */.
```

```
************
**GIMOPCDE**
** -cont- **
************
```

```
KEY=SL        TYPE=OPCODE   /* CODE = 5F */.
KEY=SLA       TYPE=OPCODE   /* CODE = 8B */.
KEY=SLDA      TYPE=OPCODE   /* CODE = 8F */.
KEY=SLDL      TYPE=OPCODE   /* CODE = 8D */.
KEY=SLL       TYPE=OPCODE   /* CODE = 89 */.
KEY=SLR       TYPE=OPCODE   /* CODE = 1F */.
KEY=SP        TYPE=OPCODE   /* CODE = FB */.
KEY=SPKA      TYPE=OPCODE   /* CODE = B20A */.
KEY=SPM       TYPE=OPCODE   /* CODE = 04 */.
KEY=SPT       TYPE=OPCODE   /* CODE = B208 */.
KEY=SPX       TYPE=OPCODE   /* CODE = B210 */.
KEY=SR        TYPE=OPCODE   /* CODE = 1B */.
KEY=SRA       TYPE=OPCODE   /* CODE = 8A */.
KEY=SRDA      TYPE=OPCODE   /* CODE = 8E */.
KEY=SRDL      TYPE=OPCODE   /* CODE = 8C */.
KEY=SRL       TYPE=OPCODE   /* CODE = 88 */.
KEY=SRP       TYPE=OPCODE   /* CODE = F0 */.
KEY=SSAR      TYPE=OPCODE   /* CODE = B225 */.
KEY=SSCH      TYPE=OPCODE   /* CODE = B233 */.
KEY=SSK       TYPE=OPCODE   /* CODE = 08 */.
KEY=SSKE      TYPE=OPCODE   /* CODE = B22B */.
KEY=SSM       TYPE=OPCODE   /* CODE = 80 */.
KEY=ST        TYPE=OPCODE   /* CODE = 50 */.
KEY=STAP      TYPE=OPCODE   /* CODE = B212 */.
KEY=STC       TYPE=OPCODE   /* CODE = 42 */.
KEY=STCK      TYPE=OPCODE   /* CODE = B205 */.
KEY=STCKC     TYPE=OPCODE   /* CODE = B207 */.
KEY=STCM      TYPE=OPCODE   /* CODE = BE */.
KEY=STCPS     TYPE=OPCODE   /* CODE = B23A */.
KEY=STCRW     TYPE=OPCODE   /* CODE = B239 */.
KEY=STCTL     TYPE=OPCODE   /* CODE = B6 */.
KEY=STD       TYPE=OPCODE   /* CODE = 60 */.
KEY=STE       TYPE=OPCODE   /* CODE = 70 */.
KEY=STH       TYPE=OPCODE   /* CODE = 40 */.
KEY=STIDC     TYPE=OPCODE   /* CODE = B203 */.
KEY=STIDP     TYPE=OPCODE   /* CODE = B202 */.
KEY=STM       TYPE=OPCODE   /* CODE = 90 */.
KEY=STNSM     TYPE=OPCODE   /* CODE = AC */.
KEY=STOSM     TYPE=OPCODE   /* CODE = AD */.
KEY=STPT      TYPE=OPCODE   /* CODE = B209 */.
KEY=STPX      TYPE=OPCODE   /* CODE = B211 */.
KEY=STSCH     TYPE=OPCODE   /* CODE = B234 */.
KEY=SU        TYPE=OPCODE   /* CODE = 7F */.
KEY=SUR       TYPE=OPCODE   /* CODE = 3F */.
KEY=SVC       TYPE=OPCODE   /* CODE = 0A */.
KEY=SW        TYPE=OPCODE   /* CODE = 6F */.
KEY=SWR       TYPE=OPCODE   /* CODE = 2F */.
KEY=SXR       TYPE=OPCODE   /* CODE = 37 */.
```

```
* * * * * * * * * * * *
* *GIMOPCDE* *
* *  -cont-  * *
* * * * * * * * * * * *


KEY=TB          TYPE=OPCODE    /* CODE = B22C */.
KEY=TCH         TYPE=OPCODE    /* CODE = 9F00 */.
KEY=TIO         TYPE=OPCODE    /* CODE = 9D00 */.
KEY=TM          TYPE=OPCODE    /* CODE = 91 */.
KEY=TPI         TYPE=OPCODE    /* CODE = B236 */.
KEY=TPROT       TYPE=OPCODE    /* CODE = E501 */.
KEY=TR          TYPE=OPCODE    /* CODE = DC */.
KEY=TRACE       TYPE=OPCODE    /* CODE = 99 */.
KEY=TRT         TYPE=OPCODE    /* CODE = DD */.
KEY=TS          TYPE=OPCODE    /* CODE = 93 */.
KEY=TSCH        TYPE=OPCODE    /* CODE = B235 */.
KEY=UNPK        TYPE=OPCODE    /* CODE = F3 */.
KEY=WRD         TYPE=OPCODE    /* CODE = 84 */.
KEY=X           TYPE=OPCODE    /* CODE = 57 */.
KEY=XC          TYPE=OPCODE    /* CODE = D7 */.
KEY=XI          TYPE=OPCODE    /* CODE = 97 */.
KEY=XR          TYPE=OPCODE    /* CODE = 17 */.
KEY=ZAP         TYPE=OPCODE    /* CODE = F8 */.
KEY=ACTR        TYPE=OPCODE    /* ASSEMBLER INSTRUCTION */
KEY=AGO         TYPE=OPCODE    /* ASSEMBLER INSTRUCTION */
KEY=AIF         TYPE=OPCODE    /* ASSEMBLER INSTRUCTION */
KEY=ANOP        TYPE=OPCODE    /* ASSEMBLER INSTRUCTION */
KEY=CCW         TYPE=OPCODE    /* ASSEMBLER INSTRUCTION */
KEY=CNOP        TYPE=OPCODE    /* ASSEMBLER INSTRUCTION */
KEY=COM         TYPE=OPCODE    /* ASSEMBLER INSTRUCTION */
KEY=COPY        TYPE=OPCODE    /* ASSEMBLER INSTRUCTION */
KEY=CSECT       TYPE=OPCODE    /* ASSEMBLER INSTRUCTION */
KEY=CXD         TYPE=OPCODE    /* ASSEMBLER INSTRUCTION */
KEY=DC          TYPE=OPCODE    /* ASSEMBLER INSTRUCTION */
KEY=DROP        TYPE=OPCODE    /* ASSEMBLER INSTRUCTION */
KEY=DS          TYPE=OPCODE    /* ASSEMBLER INSTRUCTION */
KEY=DSECT       TYPE=OPCODE    /* ASSEMBLER INSTRUCTION */
KEY=DXD         TYPE=OPCODE    /* ASSEMBLER INSTRUCTION */
KEY=EJECT       TYPE=OPCODE    /* ASSEMBLER INSTRUCTION */
KEY=END         TYPE=OPCODE    /* ASSEMBLER INSTRUCTION */
KEY=ENTRY       TYPE=OPCODE    /* ASSEMBLER INSTRUCTION */
KEY=EQU         TYPE=OPCODE    /* ASSEMBLER INSTRUCTION */
KEY=EXTRN       TYPE=OPCODE    /* ASSEMBLER INSTRUCTION */
KEY=GBLA        TYPE=OPCODE    /* ASSEMBLER INSTRUCTION */
KEY=GBLB        TYPE=OPCODE    /* ASSEMBLER INSTRUCTION */
KEY=GBLC        TYPE=OPCODE    /* ASSEMBLER INSTRUCTION */
KEY=ICTL        TYPE=OPCODE    /* ASSEMBLER INSTRUCTION */
KEY=ISEQ        TYPE=OPCODE    /* ASSEMBLER INSTRUCTION */
KEY=LCLA        TYPE=OPCODE    /* ASSEMBLER INSTRUCTION */
KEY=LCLB        TYPE=OPCODE    /* ASSEMBLER INSTRUCTION */
KEY=LCLC        TYPE=OPCODE    /* ASSEMBLER INSTRUCTION */
KEY=LOCTR       TYPE=OPCODE    /* ASSEMBLER INSTRUCTION */
KEY=LTORG       TYPE=OPCODE    /* ASSEMBLER INSTRUCTION */
```

```
* * * * * * * * * * * *
**GIMOPCDE**
** -cont- **
* * * * * * * * * * * *

KEY=MACRO      TYPE=OPCODE   /* ASSEMBLER INSTRUCTION */
KEY=MEND       TYPE=OPCODE   /* ASSEMBLER INSTRUCTION */
KEY=MEXIT      TYPE=OPCODE   /* ASSEMBLER INSTRUCTION */
KEY=MNOTE      TYPE=OPCODE   /* ASSEMBLER INSTRUCTION */
KEY=OPSYN      TYPE=OPCODE   /* ASSEMBLER INSTRUCTION */
KEY=ORG        TYPE=OPCODE   /* ASSEMBLER INSTRUCTION */
KEY=POP        TYPE=OPCODE   /* ASSEMBLER INSTRUCTION */
KEY=PRINT      TYPE=OPCODE   /* ASSEMBLER INSTRUCTION */
KEY=PUNCH      TYPE=OPCODE   /* ASSEMBLER INSTRUCTION */
KEY=PUSH       TYPE=OPCODE   /* ASSEMBLER INSTRUCTION */
KEY=REPRO      TYPE=OPCODE   /* ASSEMBLER INSTRUCTION */
KEY=SETA       TYPE=OPCODE   /* ASSEMBLER INSTRUCTION */
KEY=SETB       TYPE=OPCODE   /* ASSEMBLER INSTRUCTION */
KEY=SETC       TYPE=OPCODE   /* ASSEMBLER INSTRUCTION */
KEY=SPACE      TYPE=OPCODE   /* ASSEMBLER INSTRUCTION */
KEY=START      TYPE=OPCODE   /* ASSEMBLER INSTRUCTION */
KEY=TITLE      TYPE=OPCODE   /* ASSEMBLER INSTRUCTION */
KEY=USING      TYPE=OPCODE   /* ASSEMBLER INSTRUCTION */
KEY=WXTRN      TYPE=OPCODE   /* ASSEMBLER INSTRUCTION */
```

```
* * * * * * * * * * * *
* * GRSRNL00 * *
* * * * * * * * * * * *
```

RNLDEF LINKLIB(YES)

```
/*********************************************************************
/*   SYSTEMS EXCLUSION RESOURCE NAME LIST - RNLDEF STATEMENTS      *
/*********************************************************************
```

```
RNLDEF RNL(EXCL) TYPE(SPECIFIC)
QNAME(SYSDSN)
RNAME(PASSWORD)

RNLDEF RNL(EXCL) TYPE(SPECIFIC)
QNAME(SYSDSN)
RNAME(SYS1.BRODCAST)

RNLDEF RNL(EXCL) TYPE(SPECIFIC)
QNAME(SYSDSN)
RNAME(SYS1.DAE)

RNLDEF RNL(EXCL) TYPE(SPECIFIC)
QNAME(SYSDSN)
RNAME(SYS1.DCMLIB)

RNLDEF RNL(EXCL) TYPE(GENERIC)
QNAME(SYSDSN)
RNAME(SYS1.DUMP)

RNLDEF RNL(EXCL) TYPE(SPECIFIC)
QNAME(SYSDSN)
RNAME(SYS1.LOGREC)

RNLDEF RNL(EXCL) TYPE(GENERIC)
QNAME(SYSDSN)
RNAME(SYS1.MAN)

RNLDEF RNL(EXCL) TYPE(SPECIFIC)
QNAME(SYSDSN)
RNAME(SYS1.NUCLEUS)

RNLDEF RNL(EXCL) TYPE(GENERIC)
QNAME(SYSDSN)
RNAME(SYS1.PAGE)

RNLDEF RNL(EXCL) TYPE(SPECIFIC)
QNAME(SYSDSN)
RNAME(SYS1.STGINDEX)

RNLDEF RNL(EXCL) TYPE(SPECIFIC)
QNAME(SYSDSN)
RNAME(SYS1.SVCLIB)
```

```
* * * * * * * * * * *
**GRSRNL00**
** -cont- **
* * * * * * * * * * *

RNLDEF RNL(EXCL) TYPE(SPECIFIC)
QNAME(SYSDSN)
RNAME(SYS1.UADS)

/*******************************************************************
/*   SYSTEM INCLUSION RESOURCE NAME LIST - RNLDEF STATEMENTS
/*******************************************************************

RNLDEF RNL(INCL) TYPE(GENERIC)
QNAME(SYSDSN)

* * * * * * * * * * *
**GTFPARM **
* * * * * * * * * * *

TRACE=SYS,SRM

* * * * * * * * * * *
**IEAABD00**
* * * * * * * * * * *

SDATA=(LSQA,CB,ENQ,TRT,ERR,DM,IO),PDATA=ALLPDATA

* * * * * * * * * * *
**IEAAPF00**
* * * * * * * * * * *

SYS1.CMDLIB                           SYSRES,
SYS1.CMDLIB                           SYSBKP,
SYS1.DGTLLIB                          SYSRES,
SYS1.DGTLLIB                          SYSBKP,
SYS1.ISP.PROD.ISPLOAD                 SYSRES,
SYS1.ISP.PROD.ISPLOAD                 SYSBKP,
SYS1.ISR.PROD.ISRLOAD                 SYSRES,
SYS1.ISR.PROD.ISRLOAD                 SYSBKP,
SYS1.SORTLIB                          SYSRES,
SYS1.SORTLIB                          SYSBKP,
SYS1.VTAMLIB                          SYSRES,
SYS1.VTAMLIB                          SYSBKP,
SYS2.ABENDXA.PROD.LOADLIB             SYS001,
SYS2.ADABAS.PROD.LOADLIB              SYS001,
SYS2.AOI.PROD.LOADLIB                 SYS001,
SYS2.APAS.PROD.LOADLIB                SYS001,
SYS2.ATM.PROD.CMDLIB                  SYS001,
SYS2.ATM.PROD.LOADLIB                 SYS001,
SYS2.BMC.PROD.LOADLIB                 SYS001,
SYS2.CA1.PROD.CAILIB                  SYS001,
SYS2.CA1.PROD.CAILPA                  SYS001,
```

```
* * * * * * * * * * * *
* * IEAAPF00 * *
* * -cont- * *
* * * * * * * * * * * *
```

SYS2.CA11.PROD.CAILIB	SYS001,	
SYS2.CA7.PROD.CAILIB	SYS001,	
SYS2.CA90S.PROD.CAILIB	SYS001,	
SYS2.CAAPCDOC.PROD.CAILIB	SYS001,	** CDPA Only **
SYS2.CAFASTDA.PROD.CAILIB	SYS001,	
SYS2.CAJARS.PROD.CAILIB	SYS001,	
SYS2.CAJCLCK.PROD.CAILIB	SYS001,	
SYS2.CALIBR.PROD.CAILIB	SYS001,	
SYS2.CAROSCOE.PROD.CAILIB	SYS001,	
SYS2.CAROSCOE.PROD.ETSOLOAD	SYS001,	
SYS2.CAROSCOE.PROD.LIBRLOAD	SYS001,	
SYS2.CAROSCOE.PROD.LOADLIB	SYS001,	
SYS2.CICS.PROD.LOADLIB	SYS001,	
SYS2.CICS.PROD.LOADLIB1	SYS001,	
SYS2.CICS.PROD.LOADLIB2	SYS001,	
SYS2.COBOLII.PROD.COB2CICS	SYS001,	
SYS2.COBOLII.PROD.COB2LIB	SYS001,	
SYS2.COMTEN.NETVIEW.LOADLIB	SYS001,	
SYS2.ESF.PROD.LINKLIB	SYS001,	
SYS2.EXITLIB	SYS001,	
SYS2.FDR.PROD.LOADLIB	SYS001,	
SYS2.FOCUS.PROD.FOCLIB	SYS001,	
SYS2.INFOPAC.PROD.LOADLIB	SYS001,	
SYS2.JESMASTR.PROD.JMSLOAD	SYS001,	
SYS2.NETVIEW.PROD.CNMLINK	SYS001,	
SYS1.NETVIEW.PROD.NLDALIB	SYS001,	
SYS1.NETVIEW.PROD.NPDALIB	SYS001,	
SYS2.NPM.PROD.SFNMLMD1	SYS001,	
SYS2.NPM.PROD.SFNMLPA1	SYS001,	
SYS2.NVAS.PROD.SEMSLMD0	SYS001,	
SYS2.PL1.PROD.PLIBASE	SYS001,	
SYS2.PL1.PROD.PLILINK	SYS001,	
SYS2.PL1.PROD.PLITASK	SYS001,	
SYS2.SAS.PROD.LOADLIB	SYS001,	** CDPA Only **
SYS2.SAS.PROD.LPALIB	SYS001,	** CDPA Only **
SYS2.SAS.PROD.LSPLIB	SYS001,	** CDPA Only **
SYS2.STOPX37.PROD.LOADLIB	SYS001,	
SYS2.TMONCICS.PROD.DSTAPF	SYS001,	
SYS2.TMONMVS.PROD.LOADLIB	SYS001,	
SYS2.TSS.PROD.TSSLOADM	SYS001,	
SYS2.TSS.PROD.TSSROSCM	SYS001,	
SYS2.UTLLIB	SYS001,	
SYS2.VTAMLIB	SYS001,	
SYS3.VTAMLIB	SYS001,	
SYSTEMS.CAROSCOE.PROD.USERLOAD	XXSY##,	
SYSTEMS.NETVIEW.PROD.USERLINK	XXSY##	

```
************
**IEAAPP00**
************

EOEAPP X7

************
**IEACMD00**
************

COM='CHNGDUMP SET,SDUMP=(LSQA,TRT),ADD'   COM='SET SLIP=00'
COM='SET DAE=00'
COM='START LLA,SUB=MSTR'

************
**IEADMP00**
************

SDATA=(CB,ENQ,TRT,ERR,DM),PDATA=ALLPDATA

************
**IEADMR00**
************

SDATA=ALLSDATA

************
**IEAFIX00**
************

SYS1.LINKLIB IGC0023D,       /* ADABAS (SVC234)
             IGC0023H,       /* ADABAS (SVC238)
             IGC0023I        /* ADABAS (SVC239)


************
**IEALOD00**
************

(IEFBR14)        DUMMY ENTRY

/*DOC:  This member contains a dummy entry,
/*      IEFBR14.  Its purpose is to stop the
/*      message, 'IEA301I IEALOD00 not found in
/*      SYS1.PARMLIB' from coming out on the
/*      console at ipl time.
```

```
* * * * * * * * * * * *
* * IEALPA00 * *
* * * * * * * * * * * *


SYS1.LINKLIB DFHALP,            /* DFH* CICS MODULES
             DFHBFP,
             DFHCCP,
             DFHCMP,
             DFHCRC,
             DFHCSA,
             DFHDCP,
             DFHDES,
             DFHDIP,
             DFHDSBA$,
             DFHDSB1$,
             DFHEBU,
             DFHEDC,
             DFHEDI,
             DFHEEI,
             DFHEFC,
             DFHEEX,
             DFHEGL,
             DFHEIDTI,
             DFHEIP,
             DFHEIC,
             DFHEKC,
             DFHELR,
             DFHEMS,
             DFHEPC,
             DFHERM,
             DFHESC,
             DFHESP,
             DFHETC,
             DFHETD,
             DFHETL,
             DFHETS,
             DFHFCP,
             DFHFCPDY,
             DFHFCX,
             DFHFDP,
             DFHICP,
             DFHIIPA$,
             DFHIIP1$,
             DFHIRP,
             DFHISP,
             DFHJCP,
             DFHKCP,
             DFHKCSP,
             DFHLFO,
             DFHMCPA$,
             DFHMCPE$,
             DFHMCP1$,
             DFHMCX,
```

```
* * * * * * * * * * * *
* * IEALPA00 * *
* * -cont- * *
* * * * * * * * * * * *
```

            DFHMGP,
            DFHMGT,
            DFHML1,
            DFHM32A$,
            DFHM321$,
            DFHPBPA$,
            DFHPBP1$,
            DFHPCP,
            DFHPHP,
            DFHPSP,
            DFHPXR,
            DFHRCP,
            DFHRLRA$,
            DFHRLR1$,
            DFHSAP,
            DFHSCP,
            DFHSCR,
            DFHSKP,
            DFHSPP,
            DFHSPZ,
            DFHSRP,
            DFHTCPA$,
            DFHTCPB$,
            DFHTCPE$,
            DFHTCPS$,
            DFHTDP,
            DFHTMP,
            DFHTON,
            DFHTPPA$,
            DFHTPP1$,
            DFHTRP,
            DFHTSP,
            DFHUEH,
            DFHUEM,
            DFHVCP,
            DFHVSP,
            DFHXFP,
            DFHXFX,
            DFHXSP,
            DFHXTP,
            DFHZBAN,
            DFHZCA,
            DFHZCBE$,
            DFHZCBS$,
            DFHZCC,
            DFHZCPA$,
            DFHZCPB$,
            DFHZCPE$,

```
***********
**IEALPA00**
** -cont- **
***********
```

```
              DFHZCPS$,
              DFHZCW,
              DFHZCXA$,
              DFHZCXB$,
              DFHZCXE$,
              DFHZCXS$,
              DFHZCY,
              DFHZCZE$,
              DFHZCZS$,
              DFHZHPRX,
              ESFSSSM,          /* CMA-SPOOL                            */
              ESFUSO,           /* CMA-SPOOL                            */
              ESFUSS,           /* CMA-SPOOL                            */
              FNMIGX41,         /* NPM - GRAPHICS INTERFACE ALIAS       */
              F$ROOT,           /* FOCUS                                */
              IBMBPSLA,         /* PLI SHARED LIBRARY SUPPORT           */
              IBMBPSMA,         /* PLI SHARED LIBRARY SUPPORT           */
              IBMBPSRA,         /* PLI SHARED LIBRARY SUPPORT           */
              IBMTPSLA,         /* PLI SHARED LIBRARY SUPPORT           */
              IBMTPSRA,         /* PLI SHARED LIBRARY SUPPORT           */
              IEFACTRT,         /* SMF EXIT - STEP TERMINATION MSG      */
              IEFU83,           /* SMF EXIT - NPM                       */
              IEFUJV,           /* SMF EXIT - PLACE USERID IN SMF REC   */
              IGC0021G,         /* SVC 217 FOR JESMASTER                */
              IGC0023C,         /* FOCUS SVC 233 (TYPE 3)               */
              IGX00004,         /* SAS SVC 004         ** CDPA ONLY **  */
              IGX00036,         /* LMF - LIBRARY MGMT FACILITY          */
              IGX00041,         /* NPM - GRAPHICS INTERFACE             */
              IGX0025D,         /* CMA-SPOOL SVC 254                    */
              ISPEXITS,         /* ISPF                                 */
              ISPMAIN,          /* ISPF                                 */
              PLISHRE,          /* PLI SHARED LIBRARY SUPPORT           */
              SABDS,            /* SAS                 ** CDPA ONLY **  */
              SABXGPH,          /* SAS                 ** CDPA ONLY **  */
              SABZPLH,          /* SAS                 ** CDPA ONLY **  */
              SASOPT73,         /* SAS                 ** CDPA ONLY **  */
              SASXAL,           /* SAS                 ** CDPA ONLY **  */
              SASXAL2,          /* SAS                 ** CDPA ONLY **  */
              SASXSPH,          /* SAS                 ** CDPA ONLY **  */
              TMS193C,          /* CA ONE                               */
              TMS553C,          /* CA ONE                               */
              TMSUX0E,          /* CA ONE                               */
              TMSUX0S,          /* CA ONE                               */
              TMSUX0U           /* CA ONE                               */
```

```
************
**IEAPAK00**
************


(IEFBR14)          DUMMY ENTRY


************
**IEASLP00**
************


SLIP SET,C=013,ID=X013,A=NOSVCD,J=JES2,END
SLIP SET,C=028,ID=X028,A=NOSVCD,END
SLIP SET,C=0E7,ID=X0E7,A=NOSVCD,END
SLIP SET,C=0F3,ID=X0F3,A=NODUMP,END
SLIP SET,C=138,ID=X138,A=NODUMP,END
SLIP SET,C=13E,ID=X13E,A=NODUMP,END
SLIP SET,C=222,ID=X222,A=NODUMP,END
SLIP SET,C=322,ID=X322,A=NODUMP,END
SLIP SET,C=33E,ID=X33E,A=NODUMP,END
SLIP SET,C=622,ID=X622,A=NODUMP,END
SLIP SET,C=913,ID=X913,A=NODUMP,END
SLIP SET,C=804,ID=X804,A=(NOSVCD,NOSYSU),END
SLIP SET,C=806,ID=X806,A=(NOSVCD,NOSYSU),END
SLIP SET,C=80A,ID=X80A,A=(NOSVCD,NOSYSU),END
SLIP SET,C=B37,ID=XB37,A=(NOSVCD,NOSYSU),END
SLIP SET,C=D37,ID=XD37,A=(NOSVCD,NOSYSU),END
SLIP SET,C=E37,ID=XE37,A=(NOSVCD,NOSYSU),END


************
**IEASVC00**
************


SVCPARM 215,REPLACE,TYPE(6)         /* CICS          DFHCSVC   */
SVCPARM 216,REPLACE,TYPE(2)         /* CICS HI PER   DFHHPSVC  */
SVCPARM 217,REPLACE,TYPE(4)         /* JESMASTER     IGC0021G  */
SVCPARM 233,REPLACE,TYPE(3),APF(NO) /* FOCUS         IGC0023C  */
SVCPARM 234,REPLACE,TYPE(3)         /* PROD ADABAS   IGC0023D  */
SVCPARM 238,REPLACE,TYPE(3)         /* PROD ADABAS   IGC0023H  */
SVCPARM 239,REPLACE,TYPE(3)         /* TEST ADABAS   IGC0023I  */

/* CURRENT ESR'S                                               */

/* SVC 004   IGX00004    SAS                                   */
/* SVC 036   IGX00036    LMF                                   */
/* SVC 041   IGX00041    NPM                                   */
/* SVC 254   IGX0025D    ESF                                   */

/* CURRENT SVC'S DYNAMICALLY INSTALLED                         */

/* SVC 157   IGC0015G    CA90S ENF                             */
/* SVC 159   IGC0015I    CA90S ENFDB                           */
/* SVC 162   JARSSUP     CA-JARS                               */
/* SVC 168   LVSSSVC     CA-LIBRARIAN                          */
```

```
************
**IEASVC00**
** -cont- **
************


/* SVC 252   $CRSVC      TMON CICS                                    */
/* SVC 254   IGX0025D    CMA-SPOOL                                    */


/*               SITE UNIQUE                                          */
/*
/* SVC 253   TYPE(6)     EDIT UPDATE (ALBANY)                         */
/* SVC 028   IGC0001C    FILE TECH (QUANTICO)                         */


************
**IEFSSN00**
************


SMS,IGDSSIIN,'ID=00,PROMPT=DISPLAY'          IGDSMS00 IS AUTOSTARTE
JES2,,,PRIMARY,NOSTART        JES2 IS THE PRIMARY SUBSYSTEM NAME
xxAN                          NETVIEW PRODUCTION NAME
NSI1                          NETVIEW SYNERGY INTERFACE
CICS                          CICS SUBSYSTEM NAME
ADAB,ADASIR,'SVCNR=234,L=N,N=50'    SVC=234 FOR ADABAS
ADAC,ADASIR,'SVCNR=239,L=N,N=50'    SVC=239 FOR ADABAS
FDR,FDRSTART                  FDR SUBSYSTEM NAME
RPCS,RPC8200                  RECOVERY PLUS/CICS


************
**IGDSMS00**
************


SMS ACDS(SYSTEMS.SMS.PROD.ACDS1) COMMDS(SYSTEMS.SMS.PROD.COMMDS1)


************
**IKJTSO00**
************


AUTHCMD NAMES(                /* AUTHORIZED COMMANDS */
    IEBCOPY   COPY            /*                     */
    LISTD     LISTDS          /*                     */
    LISTB     LISTBC          /*                     */
    JCLCHECK                  /*                     */
    RACONVRT                  /*                     */
    RECEIVE                   /*                     */
    SE        SEND            /*                     */
    SM1                       /*   FILETEK (MQG ONLY) */
    SYNC                      /*                     */
    TRANSMIT  XMIT            /*                     */
    TMONMVS                   /*                     */
    TMONCICS)                 /*                     */

AUTHPGM NAMES(                /* AUTHORIZED PROGRAMS */
    $CCFP101                  /* CA-LIBRARIAN        */
```

```
* * * * * * * * * * *
**IKJTSO00**
** -cont- **
* * * * * * * * * * *


      FDRABR                          /*                          */
      FDRCPK                          /*                          */
      FDRABRUT                        /*                          */
      IEBCOPY                         /*                          */
      IEHMOVE                         /*                          */
      IKJEFF76                        /*                          */
      ISRPCP                          /*                          */
      ISPICP                          /*                          */
      RECEIVE                         /*                          */
      TRANSMIT XMIT)                  /*                          */


NOTBKGND NAMES(            /* COMMANDS WHICH MAY NOT BE */
                          /* ISSUED IN THE BACKGROUND. */
      OPER      OPERATOR          /*                     */
      TERM      TERMINAL)         /*                     */


AUTHTSF NAMES(      /* PROGRAMS TO BE AUTHORIZED WHEN  */
                   /* WHEN CALLED THROUGH THE TSO     */
                   /* SERVICE FACILITY.               */
      CADU4804                      /*  CA-DOCVIEW      */
      CAZ2CTSO                      /*  CA-JCLCHECK     */
      IEBCOPY                       /*                  */
      IKJEFF76                      /*                  */
      FDRABR                        /*                  */
      FDRABRUT                      /*                  */
      FDRCPK)                       /*                  */


SEND                          /* SEND COMMAND DEFAULTS */
      OPERSEND(ON)                  /*                   */
      USERSEND(ON)                  /*                   */
      SAVE(ON)                      /*                   */
      CHKBROD(OFF)                  /*                   */
      LOGNAME(SYS1.BRODCAST)        /*                   */


* * * * * * * * * * *
**LNKLST00**
* * * * * * * * * * *


SYS1.BLGMOD1,                     /* INFO/SYS
SYS1.BLMMOD1,                     /* INFO/MGT LOADLIB
SYS1.CMDLIB,                      /* CMDLIB
SYS1.ISP.PROD.ISPLOAD,            /* ISPLOAD PDF
SYS1.ISR.PROD.ISRLOAD,            /* ISRLOAD ISPF
SYS1.SORTLIB,                     /* CA-SORT
SYS1.VTAMLIB,                     /* VTAMLIB
SYS2.ABENDXA.PROD.LOADLIB,        /* XA ABENDAID
SYS2.ADABAS.PROD.LOADLIB,         /* ADABAS
SYS2.AOI.PROD.LOADLIB,            /* AUTOMATE/OI
```

```
* * * * * * * * * * * *
**LNKLST00**
** -cont- **
* * * * * * * * * * * *

SYS2.APAS.PROD.LOADLIB,              /* APAS
SYS2.ATM.PROD.LOADLIB,               /* AUTOMATE/MVS
SYS9.ATM.PROD.CMDLIB,                /* AUTOMATE/MVS
SYS2.BMC.PROD.LOADLIB,               /* BMC PRODUCT SUITE
SYS2.CAAPCDOC.PROD.CAILIB,           /* APCDOC        ** CDPA ONLY **
SYS2.CAFASTDA.PROD.CAILIB,           /* CA-FASTDASD
SYS2.CAJARS.PROD.CAILIB,             /* CA-JARS
SYS2.CAJCLCK.PROD.CAILIB,            /* CA-JCLCHECK
SYS2.CALIBR.PROD.CAILIB,             /* CA LIBRARIAN
SYS2.CA1.PROD.CAILIB,                /* CA1
SYS2.CA11.PROD.CAILIB,               /* CA11
SYS2.CA7.PROD.LOADLIB,               /* CA7
SYS2.CA90S.PROD.CAILIB,              /* CA90S CAIRIM
SYS2.CICS.PROD.LOADLIB,              /* CICS LOADLIB
SYS2.CICS.PROD.LOADLIB2,             /* CICS LOADLIB
SYS2.ESF.PROD.LINKLIB,               /* ESF
SYS2.EXITLIB,                        /* USMC STANDARD EXIT LIBRARY
SYS2.FDR.PROD.LOADLIB,               /* FDR
SYS2.FOCUS.PROD.FOCLIB,              /* FOCUS
SYS2.FTP.PROD.LOADLIB,               /* FILE TRANSFER PROGRAM
SYS2.GDDM.PROD.GDDMLOAD,             /* GDDM LOADLIB
SYS2.INFOPAC.PROD.LOADLIB,           /* INFOPAC RDS
SYS2.JESMASTR.PROD.JMSLOAD,          /* JES MASTER
SYS2.KOMSTAR.PROD.LOADLIB,           /* KOMSTAR MICROFICHE SUPPORT
SYS2.NPM.PROD.SFNMLMD1,              /* NETVIEW PER-MON
SYS2.NPM.PROD.SFNMLPA1,              /* NETVIEW PER-MON
SYS2.NVAS.PROD.SEMSLMD0,             /* NETVIEW ACCESS SVCS
SYS2.PL1.PROD.PLIBASE,               /* PL1 RES LIB/CICS
SYS2.PL1.PROD.PLILINK,               /* PL1 TRANS LIB/CICS
SYS2.PL1.PROD.PLITASK,               /* PL1 RES LIB/MTASK
SYS2.SAS.PROD.LPALIB,                /* SAS LPA        ** CDPA ONLY**
SYS2.STOPX37.PROD.LOADLIB,           /* STOP-X37
SYS2.TMONMVS.PROD.LOADLIB,           /* TMON/MVS
SYS2.TSS.PROD.LOADM,                 /* TSS LOADLIB
SYS2.UTLLIB                          /* USMC STD UTILITIES

* * * * * * * * * * * *
**LPALST00**
* * * * * * * * * * * *

SYS2.CA1.PROD.CAILPA                 /* CA1 LPA LIST

* * * * * * * * * * * *
**MPFLST00**
* * * * * * * * * * * *

**NOTUSED                            /* ENTRY TO PREVENT IPL ERROR MSG */
```

```
* * * * * * * * * * * *
* * PFKTAB00 * *
* * * * * * * * * * * *


/*********************************************************************
/*
/*              PFK DEFINITIONS FOR PFK TABLE CONSIPL
/*                      **** DO NOT CHANGE ****
/*********************************************************************
PFKTAB TABLE(CONSIPL)
   PFK(1)    CMD('K E,1')
   PFK(2)    CMD('$DA')
   PFK(3)    CMD('$DF')
   PFK(4)    CMD('$DQ')
   PFK(5)    CMD('K S,DEL=N')
   PFK(6)    CMD('K S,DEL=RD')
   PFK(7)    CMD('K E,F')
   PFK(8)    CMD('$DSPL')
   PFK(9)    CMD('$DSPL,JOBS=2')
   PFK(10)   CMD('$DI')
   PFK(11)   CMD('D A,L')
   PFK(12)   CMD('D R,L')
   PFK(13)   CMD('D SMF')
   PFK(14)   CMD('D DUMP')
   PFK(15)   CMD('V NET,ACT,ID=')
   PFK(16)   CMD('V NET,STATIONS')
   PFK(17)   CMD('V NET,CDRMS')


* * * * * * * * * * * *
* * SCHED00 * *
* * * * * * * * * * * *


/*********************************************************************
/*                                                                  *
/*              MASTER TRACE TABLE DEFINITION                       *
/*                                                                  *
/*********************************************************************
   MT  SIZE(96K)                /* DEFAULT SIZE OF THE MASTER TRACE  *
                                /* TABLE   24K                       *
/*********************************************************************
/*    CICS                                                          *
/*********************************************************************
   PPT PGMNAME(DFHSIP)          /* PROGRAM NAME DFHSIP               *
       CANCEL                   /* CANCELLABLE                       *
       KEY(8)                   /* PROTECTION KEY 0                  *
       NOSWAP                   /* NON-SWAPPABLE                     *
       NOPRIV                   /* NOT PRIVILEGED                    *
       DSI                      /* REQ DATA SET INTEGRITY            *
       NOPASS                   /* BYPASS PASSWRD PROTECTION         *
       NOSYST                   /* NOT SYSTEMS TASK IS TO BE TIMED   *
       AFF(NONE)                /* NO SYSTEMS AFFINTY                *
       NOPREF                   /* PRIVATE ARE SHORT TERM FIXED      *
                                /* PAGES NEED NOT BE ASSIGNED TO     *
```

```
* * * * * * * * * * *
**SCHED00 **
** -cont- **
* * * * * * * * * * *


                                    /* PREFERRED STORAGES FRAMES
/*****************************************************************
/*      NETVIEW PERFORMANCE MONITOR          ADDED 920706 JM SCHERFF
/*****************************************************************
   PPT PGMNAME(FNMMAIN)          /* NPM: NETVIEW PERFORMANCE MONITOR
       NOSWAP                    /* NON-SWAPPABLE
       KEY(6)                    /* PROTECTION KEY 6
       PRIV                      /* PRIVILEGED
       LPREF                     /*
   PPT PGMNAME(FNMASMAN)         /* NPM SYNERGY INTERFACE INTO NVAS
       NOSWAP                    /* NON-SWAPPABLE
       KEY(6)                    /* PROTECTION KEY 6
/*****************************************************************
/*      DISTSO AUDITORS RECOMMENDATION        ADDED 930430 R GILL
/*****************************************************************
   PPT PGMNAME(AKPCSIEP)         /* IBM-SUPPLIED ENTRY
       KEY(8)                    /* PROTECTION KEY 8
       DSI                       /* REQUIRE DATA INTEGRITY CHECK
       PASS                      /* PASSWORD PROTECTION CHECK
   PPT PGMNAME(DFSMVRC0)         /* IBM-SUPPLIED ENTRY
       KEY(8)                    /* PROTECTION KEY 8
       DSI                       /* REQUIRE DATA INTEGRITY CHECK
       PASS                      /* PASSWORD PROTECTION CHECK
   PPT PGMNAME(DSNUTILB)         /* IBM-SUPPLIED ENTRY
       KEY(8)                    /* PROTECTION KEY 8
       DSI                       /* REQUIRE DATA INTEGRITY CHECK
       PASS                      /* PASSWORD PROTECTION CHECK
   PPT PGMNAME(DSNYASCP)         /* IBM-SUPPLIED ENTRY
       KEY(8)                    /* PROTECTION KEY 8
       DSI                       /* REQUIRE DATA INTEGRITY CHECK
       PASS                      /* PASSWORD PROTECTION CHECK
   PPT PGMNAME(DXRRLM00)         /* IBM-SUPPLIED ENTRY
       KEY(8)                    /* PROTECTION KEY 8
       DSI                       /* REQUIRE DATA INTEGRITY CHECK
       PASS                      /* PASSWORD PROTECTION CHECK
   PPT PGMNAME(IATINTK)          /* IBM-SUPPLIED ENTRY
       KEY(8)                    /* PROTECTION KEY 8
       DSI                       /* REQUIRE DATA INTEGRITY CHECK
       PASS                      /* PASSWORD PROTECTION CHECK
   PPT PGMNAME(IATINTKF)         /* IBM-SUPPLIED ENTRY
       KEY(8)                    /* PROTECTION KEY 8
       DSI                       /* REQUIRE DATA INTEGRITY CHECK
       PASS                      /* PASSWORD PROTECTION CHECK
   PPT PGMNAME(IEDQTCAM)         /* IBM-SUPPLIED ENTRY
       KEY(8)                    /* PROTECTION KEY 8
       DSI                       /* REQUIRE DATA INTEGRITY CHECK
       PASS                      /* PASSWORD PROTECTION CHECK
```

```
*************
**SMFPRM00 **
*************


ACTIVE                                  /*ACTIVE SMF RECORDING
DSNAME(SYS1.MAN1,SYS1.MAN2,SYS1.MAN3,SYS1.MAN4)
                                        /* SYS1.MAN1,2,3,4 EXISTING DSNS
NOPROMPT                                /*DO NOT PROMPT OPERATOR FOR OPTIONS
REC(PERM)                               /* TYPE 17 PERM RECORDS ONLY
BUFNUM(4,9)                             /* 4-4096 BUFFERS ALWAYS AND
                                        /* ALLOW UP TO 9 BEFORE SUSPENDING
                                        /* A USER FOR BUFFER SHORTAGE
MAXDORM(3000)                           /* WRITE AN IDLE BUFFER AFTER 30 MIN
STATUS(240000)                          /* WRITE SMF STATS AFTER 24 HOURS
JWT(0015)                               /* 522 AFTER 15 MINUTES
SID(xxxx)                               /* SYSTEM ID
LISTDSN                                 /* LIST DATA SET STATUS AT IPL
SYS(TYPE(00:08,12,14:21,23,26,28,30,34,35,37:40,43,45,47:50,60,61,64,
        65,66,70:81,90,110,128:133,189,200,201,222)
        EXITS(IEFACTRT,IEFUJV),NOINTERVAL,NODETAIL)
    /* WRITE ALL EXCEPT DATA MANAGEMENT RECORDS
        EXITS: IEFACTRT - STEP TERMINATION, IEFUJV - USERID TO SMF
        NO DEFAULT INTERVAL RECORDS WRITTEN
        ONLY SUMMARY T32 RECORDS AS A DEFAULT FOR TSO                    *,
    SUBSYS(STC,EXITS(IEFU83,IEFACTRT))
    /* WRITE RECORDS ACCORDING TO SYS VALUE, TAKE ONLY FIVE
        EXITS: IEFACTRT - STEP TERMINATION, IEFU83 - NPM SMF EXIT
        USE ALL OTHER SYS PARMETERS AS A DEFAULT                         */


************
**TSOKEY00**
************


USERMAX=125,
RECONLIM=0,
BUFRSIZE=2048,
HIBFREXT=48000,
LOBFREXT=24000,
CHNLEN=4,
MODE=NOBREAK,
MODESW=NO,
CONFTXT=NO,
SCRSIZE=1920
```

Appendix H

TYPETERM DEFINITIONS FOR CICS

PARAMETER	SCSPRINT	LUTYPE3
TYpeterm	SCSPRINT	LUTYPE3
Group	*PRINT	*PRINT
		(*=Node)
DEVice	SCSPRINT	LUTYPE3
TERmmodel		2
SESsiontype		
LDclist		
SHippable	NO	NO
PAGesize	024,080	024,080
ALTPage	000,000	024,080
ALTSUffix		
FMhparm	NO	NO
OBOperid	NO	NO
AUTOPage	YES	YES
DEFscreen	000,000	024,080
ALTSCreen	,	024,080
APLKybd	NO	NO
APLText	NO	NO
AUDiblealarm	NO	NO
COLor	NO	NO
COPy	NO	NO
DUalcasekybd	NO	NO
EXtendedds	NO	YES
HIlight	NO	NO
Katakana	NO	NO
LIghtpen	NO	NO
Msrcontrol	NO	NO
OBFormat	NO	NO
PARtitions	NO	NO
PRIntadapter	NO	NO
PROgsymbols	NO	NO
VAlidation	NO	NO
FOrmfeed	NO	NO
HOrizform	NO	NO
VErticalform	NO	NO
TEXTKybd	NO	NO
TEXTPrint	NO	NO
Query	ALL	ALL
OUtline	NO	NO
SOsi	NO	NO
BAcktrans	NO	NO
CGcsgid	00000,00000	00000,00000
AScii	NO	NO
SENdsize	00256	00256
RECeivesize	00256	00256
BRacket	YES	YES
LOGMode	0	

DATA CENTER SYSTEMS IDENTIFICATION STANDARDS
IRM-5234-07

PARAMETER	SCSPRINT	LUTYPE3
ERRLastline	NO	NO
ERRIntensify	NO	NO
ERRColor	NO	NO
ERRHilight	NO	NO
AUTOConnect	NO	NO
ATi	YES	YES
TTi	YES	YES
CReatesess	YES	YES
RELreq	YES	YES
DIscreq	YES	YES
Nepclass	000	000
SIgnoff	YES	YES
ROutedmsgs	SPECIFIC	SPECIFIC
LOGOnmsg	NO	NO
BUildchain	NO	NO
USerarealen	000	000
IOarealen	00512,00512	00512,00512
UCtran	NO	NO

Appendix I

TSS PARAMETERS AND FACILITIES MATRIX TABLE (TSSPARM0)

```
*
*    TOP SECRET SECURITY(TSS) VERSION 4.3 CONTROL OPTIONS
*
*
MODE(FAIL)                          * SELECT PROCESSING
MODE ADSP(ALL)                      * AUTOMATIC DATASET PROTECTION
AUTH(MERGE,ALLOVER)                 * AUTHORIZATION CHECKING
AUTOERASE(YES)                      * DATA ERASURE CONTROL
BACKUP(0100)                        * AUTOMATIC BACKUP TIME
CPF(YES)                            * CHANGE PROPAGATION FACILITY
DATE(MM/DD/YY)                      * DATE DISPLAY FORMAT
DEBUG(OFF)                          * ERROR DEBUG FEATURE
DISPLAY(TSS)                        * DISPLAY TOP SECRET SECURITY
DOWN(SB,BW,TW,OW)                   * DOWN OPTIONS (DEFAULT)
                                    * STC BYPASS, BATCH WAIT, TSO LOGONS
                                    * WAIT, OTHER FACILITIES WAIT
EXIT(ON)                            * INSTALLATION EXIT
LOG(INIT,SEC9,MSG)                  * SECURITY EVENT RECORDING CONTROL
*
*    THE LOG OPTION HAS TO BE BEFORE THE FACILITY OPTIONS
*
*    THE FOLLOWING DEFINITION IS FOR BATCH
*
FACILITY(BATCH=NOAUDIT,WARNPW)
*
*    THE FOLLOWING DEFINITION IS FOR STC
*
FACILITY(STC=LOG(SEC9))
*
*    THE FOLLOWING DEFINITION IS FOR TSO
*
FACILITY(TSO=LOCKTIME=30,NOPROMPT,NORNDPW,NPWR)
*
*      THE NEXT 5 ENTRIES DEFINE THE CICS MASTER REGIONS
*
FACILITY(CICSPROD=LOCKTIME=30,XDEF,NORNDPW,NPWR,SIGN(S))
FACILITY(CICSPROD=FACMATRX=YES,EXTSEC=YES,PCTEXTSEC=OVERRIDE)
FACILITY(CICSPROD=XJCT=NO,XFCT=NO,XCMD=NO,XDCT=NO,XTRAN=NO)
FACILITY(CICSPROD=XTST=NO,XPSB=NO,XPCT=NO,XPPT=NO,XAPPC=NO)
*
FACILITY(CICSTEST=LOCKTIME=30,XDEF,NORNDPW,NPWR,SIGN(S))
FACILITY(CICSTEST=FACMATRX=YES,EXTSEC=YES,PCTEXTSEC=OVERRIDE)
FACILITY(CICSTEST=XJCT=NO,XFCT=NO,XCMD=NO,XDCT=NO,XTRAN=NO)
FACILITY(CICSTEST=XTST=NO,XPSB=NO,XPCT=NO,XPPT=NO,XAPPC=NO)
*
FACILITY(USER25=NAME=CICSCSS,XDEF,NORNDPW,LOCKTIME=30,NPWR,SIGN(S))
FACILITY(CICSCSS=FACMATRX=YES,EXTSEC=YES,PCTEXTSEC=OVERRIDE)
FACILITY(CICSCSS=XJCT=NO,XFCT=NO,XCMD=NO,XDCT=NO,XTRAN=NO)
FACILITY(CICSCSS=XTST=NO,XPSB=NO,XPCT=NO,XPPT=NO,XAPPC=NO)
```

```
*
FACILITY(IMSTEST=NAME=CICSELMS,PGM=DFH,ACTIVE,SHRPRF,ASUBM)
FACILITY(CICSELMS=XDEF,LUMSG,STMSG,SIGN(S),NORNDPW,AUDIT,RES)
FACILITY(CICSELMS=NOABEND,INSTDATA,AUTHINIT,NOTSOC,LOCKTIME=30)
FACILITY(CICSELMS=NOPROMPT,MULTIUSER) FACILITY(CICSELMS=NPWR)
FACILITY(CICSELMS=FACMATRX=YES,EXTSEC=YES,PCTEXTSEC=OVERRIDE)
FACILITY(CICSELMS=XJCT=NO,XFCT=NO,XCMD=NO,XDCT=NO,XTRAN=NO)
FACILITY(CICSELMS=XTST=NO,XPSB=NO,XPCT=NO,XPPT=NO,XAPPC=NO)
*
FACILITY(USER0=NAME=CICSDEV,PGM=DFH,ACTIVE,SHRPRF,ASUBM)
FACILITY(CICSDEV=XDEF,LUMSG,STMSG,SIGN(S),NORNDPW,AUDIT,RES)
FACILITY(CICSDEV=NOABEND,INSTDATA,AUTHINIT,NOTSOC,LOCKTIME=30)
FACILITY(CICSDEV=NOPROMPT,MULTIUSER) FACILITY(CICSDEV=NONPWR)
FACILITY(CICSDEV=FACMATRX=YES,EXTSEC=YES,PCTEXTSEC=OVERRIDE)
FACILITY(CICSDEV=XJCT=NO,XFCT=NO,XCMD=NO,XDCT=NO,XTRAN=NO)
FACILITY(CICSDEV=XTST=NO,XPSB=NO,XPCT=NO,XPPT=NO,XAPPC=NO)
*
*   THE FOLLOWING DEFINITION IS FOR ROSCOE
*
FACILITY(ROSCOE=LOCKTIME=30,NOLUMSG,NORNDPW)
*
*   THE FOLLOWING DEFINITION IS FOR CMA SPOOL
*
FACILITY(IDMSTEST=NAME=ESF,PGM=ESF,ACTIVE,SHRPRF,ASUBM,NOABEND)
FACILITY(ESF=MULTIUSER,NOXDEF,NOAUDIT,WARNPW,NORNDPW,NORES)
FACILITY(ESF=NOTSOC,LOCKTIME=30,NOPROMPT)
*
* THE FOLLOWING DEFINITION IS FOR CA-7
*
FACILITY(CA7=LOCKTIME=30,ASUBM,MULTIUSER,NOABEND,PGM=SAS)
*
*   THE FOLLOWING FOR INFOPAC RDS
*
FACILITY(INTERACT=NAME=INFOPAC,PGM=INFOSHEL,ACTIVE,SHRPRF,ASUBM)
FACILITY(INFOPAC=MULTIUSER,NOABEND)
FACILITY(INFOPAC=RES,NOTSOC,NORNDPW,NOLUMSG)
FACILITY(INFOPAC=WARNPW,NOPROMPT,LOCKTIME=30)
*
*    THE FOLLOWING FOR AUTOMATE
*
FACILITY(WYLBUR=NAME=AUTOMATE,PGM=ATM,ACTIVE,SHRPRF,NOASUBM,ABEND)
FACILITY(AUTOMATE=MULTIUSER,NOXDEF,AUDIT,WARNPW,RES)
FACILITY(AUTOMATE=NOTSOC,LOCKTIME=30,NOLUMSG)
FACILITY(AUTOMATE=NOINSTDATA,NOSTMSG,NOIMSXTND)
FACILITY(AUTOMATE=MODE=FAIL,NORNDPW)
*
*    THE FOLLOWING FOR TMONCICS
*
FACILITY(USER1=NAME=TMONCICS,NOABEND,ASUBM,DORMPW,LCFCMD)
FACILITY(TMONCICS=LOCKTIME=0,KEY=8,NOINSTDATA)
FACILITY(TMONCICS=NOLUMSG,NOSTMSG)
FACILITY(TMONCICS=MULTIUSER,NPWR,PGM=$SU,SIGN(S),UIDACID=6)
*
```

```
*      THE FOLLOWING FOR AUTOMATE O/I
*
FACILITY(USER2=NAME=AOI,PGM=TPX1)
FACILITY(AOI=ACTIVE,SHRPRF,MULTIUSER,AUTHINIT,SIGN(S))
*
*   THE FOLLOWING DEFINITION IS FOR NETVIEW ACCESS SERVIES
*
FACILITY(USER3=NAME=NVAS,PGM=EMS,NOASUBM,MULTIUSER)
FACILITY(NVAS=LOCKTIME=30)
*
*   THE FOLLOWING DEFINITION IS FOR TMON/MVS
*
FACILITY(USER4=NAME=TMONMVS,PGM=LAN,MULTIUSER,NOABEND)
*
*   THE FOLLOWING DEFINITION IS FOR NETVIEW
*
FACILITY(USER5=NAME=ANV,PGM=EMS,NOASUBM,MULTIUSER)
FACILITY(ANV=LOCKTIME=30)
*
* THE FOLLOWING DEFINITION IS FOR INTERLINK (SNSTCP) (ALA ONLY)
*
FACILITY(USER20=NAME=SNSTCP) FACILITY(SNSTCP=PGM=ACB)
FACILITY(SNSTCP=ACTIVE,NOABEND,NOASUBM,NOAUDIT,AUTHINIT)
FACILITY(SNSTCP=NOINSTDATA,KEY=8,LCFCMD,LOCKTIME=0,NOLUMSG)
FACILITY(SNSTCP=MULTIUSER,NORNDPW,RES,SIGN(M))
FACILITY(SNSTCP=SHRPRF,NOSTMSG,NOTSOC,WARNPW,NOXDEF)
*
*
*   THE FOLLOWING DEFINITION IS FOR DATA MANAGER (ALA ONLY)
*
FACILITY(USER21=NAME=DATAMNGR,PGM=ROS,ACTIVE,SHRPRF,ASUBM,NOABEND)
FACILITY(DATAMNGR=NOLUMSG,MULTIUSER,NOXDEF,NOAUDIT,LOCKTIME=30)
FACILITY(DATAMNGR=WARNPW,NOPROMPT,RES,NOTSOC)
*
*
*   THE FOLLOWING DEFINITION IS FOR NETPASS (KCT ONLY)
*
FACILITY(USER22=NAME=NETPASS,PGM=NET,SHRPRF,ASUBM,NOABEND,MULTIUSER )
FACILITY(NETPASS=NOXDEF)
*
*   THE FOLLOWING DEFINITION IS FOR FULLVIEW (MQG ONLY)
*
FACILITY(USER23=NAME=FVVT,PGM=FVVT,MULTIUSER,NOABEND)
*
*     THE FOLLOWING FOR OPEN SYSTEMS SUPPORT (MQG ONLY)
*
FACILITY(USER24=NAME=OSSMVS)
FACILITY(OSSMVS=PGM=HA0)
FACILITY(OSSMVS=MODE=IMPL,ASUBM,NOABEND,MULTIUSER,SIGN(S),INSTDATA)
FACILITY(OSSMVS=NORNDPW,RES,WARNPW,LUMSG,STMSG,AUTHINIT)
*
*   THE FOLLOWING DEFINITION IS FOR MCCAT (MQG ONLY)
*
```

```
FACILITY(USER26=NAME=CICSMCAT,PGM=DFH,ACTIVE,SHRPRF,ASUBM)
FACILITY(CICSMCAT=XDEF,LUMSG,STMSG,SIGN(M),NORNDPW,NOAUDIT,NORES)
FACILITY(CICSMCAT=NOABEND,INSTDATA,AUTHINIT,NOTSOC,LOCKTIME=30)
FACILITY(CICSMCAT=NOPROMPT,MULTIUSER) FACILITY(CICSMCAT=NPWR)
FACILITY(CICSMCAT=FACMATRX=YES,EXTSEC=YES,PCTEXTSEC=OVERRIDE)
FACILITY(CICSMCAT=XJCT=NO,XFCT=NO,XCMD=NO,XDCT=NO,XTRAN=NO)
FACILITY(CICSMCAT=XTST=NO,XPSB=NO,XPCT=NO,XPPT=NO,XAPPC=NO)
*
HPBPW(3)                              * HONOR PREVIOUS BATCH PASSWORD
INACTIVE(45)                          * SEE CONTROL OPTIONS GUIDE
INSTDATA(0)                           * SEE CONTROL OPTIONS GUIDE
IOTRACE(OFF)                          * I/O TRACE CONTROL
JES(NOVERIFY)                         * JES SUBSYSTEM INDICATOR
JOBACID(U,6)                          * LOCATES ACID ON BATCH JOBCARD
MSUSPEND(NO)                          * SEE CONTROL OPTIONS GUIDE
NEWPW(MIN=7,NR,ID,RS,WARN=7)
NPWRTHRESH(2)
PRODUCTS(TSO/E)                       * PRODUCT INTERFACE(S)
PTHRESH(2)                            * PASSWORD VIOLATION THRESHOLD
PWEXP(90)
PWHIST(10)                            * PASSWORD HISTORY
PWVIEW(NO)
RECOVER(ON)                           * RECORDING OF SECURITY CHANGES
SECTRACE(OFF)                         * DIAGNOSTIC SECURITY TRACE
SUBACID(U,6)                          * CONTROLS DERIVATION OF BATCH ACID
SWAP(NO)                              * TSS ADDRESS SPACE IS SWAPPABLE
TAPE(OFF)                             * OFF INDICATES EXTERNAL TMS (CA1)
TIMER(30)                             * BUFFERING INTERVAL
VTHRESH(4,SUS)                        * VIOLATION THRESHOLD
```

Appendix J

EXAMPLE OF FACILITY DEPARTMENT (FACDEPT)

```
ACCESSORID = JGOF        NAME        = FACILITY DEPT
TYPE       = DEPT
DIV ACID   = JGO         DIVISION    = OPER SYS DIV
CREATED    = 03/10/93  LAST MOD      = 05/07/93  03:52
ACIDS      = ANV$      (P)  AOI$     (P)  AUTO$    (P)  BATCH$   (P)
             CA7$PAU  (P)  CA7$PCU  (P)  CA7$SCH  (P)  CA7$SYS  (P)
             CA7$USER (P)  CICS$DEV (P)  CICS$ELM (P)  CICS$PRD (P)
             CICS$TST (P)  INFO$    (P)  NVAS$    (P)  OSSM$    (P)
             ROSCOE$  (P)  TASO$    (P)  TMC$SYS  (P)  TMC$PGM  (P)
             TMC$OPS  (P)  TMC$SEC  (P)  TMV$OPS  (P)  TMV$SEC  (P)
             TMV$SYS  (P)  TSO$     (P)  USER$    (P)
```

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Appendix K

TSSV4.3 RESOURCE DEFINITION TABLE (RDT)

```
ACCESSORID = *RDT*        NAME        = RESOURCE DEFINITIONS

RESOURCE CLASS = ABSTRACT
 RESOURCE CODE = X'E4'
     ATTRIBUTE = PRIVPGM

RESOURCE CLASS = RESERVED
 RESOURCE CODE = X'9D'

RESOURCE CLASS = APPL
 RESOURCE CODE = X'C1'

RESOURCE CLASS = AREA
 RESOURCE CODE = X'82'
     ATTRIBUTE = ACCESS,PRIVPGM,LONG
        ACCESS = NONE(0000),UPDATE(6000),READ(4000),WRITE(2000),
                 ALL(FFFF)
        DEFACC = READ

RESOURCE CLASS = RESERVED
 RESOURCE CODE = X'C7'

RESOURCE CLASS = CAADMIN
 RESOURCE CODE = X'A8'
     ATTRIBUTE = LONG

RESOURCE CLASS = CACCFDSN
 RESOURCE CODE = X'5F'
     ATTRIBUTE = ACCESS,LONG
        ACCESS = NONE(0000),CREATE(1000),SCRATCH(0800),UPDATE(8000)
        ACCESS = READ(4000),ALL(FFFF)
        DEFACC = READ

RESOURCE CLASS = CACCFMEM
 RESOURCE CODE = X'5E'
     ATTRIBUTE = ACCESS,LONG
        ACCESS = NONE(0000),CREATE(1000),SCRATCH(0800),UPDATE(8000)
        ACCESS = READ(4000),ALL(FFFF)
        DEFACC = READ

RESOURCE CLASS = CACMD
 RESOURCE CODE = X'7E'
     ATTRIBUTE = LONG
```

```
RESOURCE CLASS = CALIBMEM
 RESOURCE CODE = X'6D'
     ATTRIBUTE = ACCESS,LONG
        ACCESS = NONE(0000),CREATE(1000),SCRATCH(0800),UPDATE(8000)
        ACCESS = READ(4000),ALL(FFFF)
        DEFACC = READ

RESOURCE CLASS = CAREPORT
 RESOURCE CODE = X'A4'
     ATTRIBUTE = ACCESS,LONG
        ACCESS = NONE(0000),UPDATE(6000),READ(4000),WRITE(2000),
                 CREATE(1000)
        ACCESS = SCRATCH(0800),ALL(FFFF)
        DEFACC = NONE

RESOURCE CLASS = CATAPE
 RESOURCE CODE = X'A5'
     ATTRIBUTE = ACCESS
        ACCESS = NONE(0000),UPDATE(6000),READ(4000),WRITE(2000),
                 ALL(FFFF)
        DEFACC = NONE

RESOURCE CLASS = CAVAPPL
 RESOURCE CODE = X'A9'
     ATTRIBUTE = LONG

RESOURCE CLASS = RESERVED
 RESOURCE CODE = X'F1'

RESOURCE CLASS = CPCMD
 RESOURCE CODE = X'F8'
     ATTRIBUTE = VMUSER

RESOURCE CLASS = CPU
 RESOURCE CODE = X'6B'
     ATTRIBUTE = PRIVPGM

RESOURCE CLASS = RESERVED
 RESOURCE CODE = X'D6'

RESOURCE CLASS = RESERVED
 RESOURCE CODE = X'E6'

RESOURCE CLASS = RESERVED
 RESOURCE CODE = X'61'
```

```
RESOURCE CLASS = DATABASE
 RESOURCE CODE = X'83'
      ATTRIBUTE = ACCESS,PRIVPGM
         ACCESS = NONE(0000),UPDATE(6000),READ(4000),WRITE(2000),
                  CREATE(1000)
         ACCESS = SCRATCH(0800),ALL(FFFF)
         DEFACC = READ

RESOURCE CLASS = DATASET
 RESOURCE CODE = X'C4'
      ATTRIBUTE = ACCESS,LIB,PRIVPGM
         ACCESS = NONE(0000),FETCH(8000),UPDATE(6000),READ(4000),
                  WRITE(2000)
         ACCESS = CREATE(1000),SCRATCH(0800),CONTROL(0400),INQUIRE(008(
         ACCESS = SET(0040),ALL(FFFF)
         DEFACC = READ

RESOURCE CLASS = RESERVED
 RESOURCE CODE = X'4B'

RESOURCE CLASS = DBD
 RESOURCE CODE = X'84'
      ATTRIBUTE = ACCESS,PRIVPGM
         ACCESS = NONE(0000),UPDATE(7800),READ(4000),WRITE(2000),
                  DELETE(1000)
         ACCESS = REPLACE(0800),INQUIRE(0080),SET(0040),ALL(FFFF)
         DEFACC = READ

RESOURCE CLASS = DB2
 RESOURCE CODE = X'6C'
      ATTRIBUTE = LONG

RESOURCE CLASS = DB2BUFFP
 RESOURCE CODE = X'B5'
      ATTRIBUTE = ACCESS,PRIVPGM
         ACCESS = NONE(0000),USE(0800),ALL(FFFF)
         DEFACC = USE

RESOURCE CLASS = DB2DBASE
 RESOURCE CODE = X'B1'
      ATTRIBUTE = ACCESS,PRIVPGM
         ACCESS = NONE(0000),DBADM(FFFF),DBCTRL(8FFF),DBMAINT(0FFF)
         ACCESS = CRETAB(0800),CRETS(0400),DISPDB(0200),DROP(0100),
                  IMAGCOPY(008)
         ACCESS = LOAD(0040),RECOVDB(0020),REORG(0010),REPAIR(0008)
         ACCESS = STARTDB(0004),STATS(0002),STOPDB(0001),ALL(FFFF)
         DEFACC = CRETAB
```

```
RESOURCE CLASS = DB2PLAN
 RESOURCE CODE = X'B6'
     ATTRIBUTE = ACCESS,PRIVPGM
        ACCESS = NONE(0000),BIND(0080),EXECUTE(0040),ALL(FFFF)
        DEFACC = EXECUTE

RESOURCE CLASS = DB2STOGP
 RESOURCE CODE = X'B4'
     ATTRIBUTE = ACCESS,PRIVPGM
        ACCESS = NONE(0000),USE(0800),ALL(FFFF)
        DEFACC = USE

RESOURCE CLASS = DB2SYS
 RESOURCE CODE = X'B0'
     ATTRIBUTE = PRIVPGM

RESOURCE CLASS = DB2TABLE
 RESOURCE CODE = X'B2'
     ATTRIBUTE = ACCESS,PRIVPGM,LONG
        ACCESS = NONE(0000),ALTER(0080),DELETE(0040),INDEX(0020),
                 INSERT(0010)
        ACCESS = SELECT(8000),UPDATE(4000),ALL(FFFF)
        DEFACC = SELECT

RESOURCE CLASS = DB2TABSP
 RESOURCE CODE = X'B3'
     ATTRIBUTE = ACCESS,PRIVPGM,LONG
        ACCESS = NONE(0000),USE(0800),ALL(FFFF)
        DEFACC = USE

RESOURCE CLASS = DCSS
 RESOURCE CODE = X'5B'
     ATTRIBUTE = ACCESS
        ACCESS = NONE(0000),SHR(4000),PURGE(0800),FIND(1000),NOSHR(20(
        ACCESS = ALL(FFFF)
        DEFACC = SHR

RESOURCE CLASS = DCT
 RESOURCE CODE = X'C5'
     ATTRIBUTE = ACCESS,PRIVPGM
        ACCESS = NONE(0000),READ(4000),WRITE(2000),FEOV(0200),
                 PURGE(0100)
        ACCESS = INQUIRE(0080),SET(0040),ALL(FFFF)
        DEFACC = READ

RESOURCE CLASS = DEVICES
 RESOURCE CODE = X'A3'
     ATTRIBUTE = ACCESS,LONG
        ACCESS = NONE(0000),CONTROL(0400),UPDATE(8000),READ(4000),
                 ALL(FFFF)
        DEFACC = READ
```

```
RESOURCE CLASS = DIAGNOSE
 RESOURCE CODE = X'F9'
     ATTRIBUTE = VMUSER

RESOURCE CLASS = RESERVED
 RESOURCE CODE = X'F4'

RESOURCE CLASS = RESERVED
 RESOURCE CODE = X'F5'

RESOURCE CLASS = RESERVED
 RESOURCE CODE = X'6F'

RESOURCE CLASS = FCT
 RESOURCE CODE = X'C6'
     ATTRIBUTE = ACCESS,PRIVPGM
        ACCESS = NONE(0000),UPDATE(8000),READ(4000),WRITE(2000),
                 DELETE(1000)
        ACCESS = BROWSE(0200),INQUIRE(0080),SET(0040),ALL(FFFF)
        DEFACC = READ

RESOURCE CLASS = FIELD
 RESOURCE CODE = X'D9'
     ATTRIBUTE = ACCESS,PRIVPGM
        ACCESS = NONE(0000),UPDATE(6000),READ(4000),WRITE(2000),
                 ALL(FFFF)
        DEFACC = READ

RESOURCE CLASS = IBMFAC
 RESOURCE CODE = X'86'
     ATTRIBUTE = ACCESS,PRIVPGM,LONG
        ACCESS = NONE(0000),READ(4000),WRITE(2000),UPDATE(6000),
                 ALL(FFFF)
        DEFACC = NONE

RESOURCE CLASS = IBMGROUP
 RESOURCE CODE = X'C0'
     ATTRIBUTE = PRIVPGM

RESOURCE CLASS = RESERVED
 RESOURCE CODE = X'7A'

RESOURCE CLASS = RESERVED
 RESOURCE CODE = X'4E'

RESOURCE CLASS = JCT
 RESOURCE CODE = X'D1'
     ATTRIBUTE = ACCESS,PRIVPGM
        ACCESS = NONE(0000),WRITE(2000),INQUIRE(0080),SET(0040),
                 ALL(FFFF)
        DEFACC = WRITE
```

```
RESOURCE CLASS = JESINPUT
 RESOURCE CODE = X'85'
     ATTRIBUTE = ACCESS
        ACCESS = NONE(0000),CONTROL(0400),UPDATE(8000),READ(4000),
                 ALL(FFFF)
        DEFACC = READ

RESOURCE CLASS = JESJOBS
 RESOURCE CODE = X'98'
     ATTRIBUTE = ACCESS,LONG
        ACCESS = NONE(0000),CONTROL(0400),UPDATE(6000),READ(4000),
                 ALL(FFFF)
        DEFACC = READ

RESOURCE CLASS = JESSPOOL
 RESOURCE CODE = X'97'
     ATTRIBUTE = ACCESS,LONG
        ACCESS = NONE(0000),CONTROL(0400),UPDATE(6000),READ(4000),
                 ALL(FFFF)
        DEFACC = READ

RESOURCE CLASS = JOBNAME
 RESOURCE CODE = X'F2'
     ATTRIBUTE = ACCESS
        ACCESS = NONE(0000),READ(4000),WRITE(2000),UPDATE(6000),
                 CONTROL(0400)
        ACCESS = CREATE(1000),SCRATCH(0800),ALL(FFFF)
        DEFACC = READ

RESOURCE CLASS = RESERVED
 RESOURCE CODE = X'D3'

RESOURCE CLASS = MGMTCLAS
 RESOURCE CODE = X'4D'

RESOURCE CLASS = RESERVED
 RESOURCE CODE = X'C3'

RESOURCE CLASS = RESERVED
 RESOURCE CODE = X'5C'

RESOURCE CLASS = OPCMD
 RESOURCE CODE = X'4C'

RESOURCE CLASS = OPERCMDS
 RESOURCE CODE = X'99'
     ATTRIBUTE = ACCESS,LONG
        ACCESS = NONE(0000),CONTROL(0400),UPDATE(6000),READ(4000),
                 ALL(FFFF)
        DEFACC = READ
```

```
RESOURCE CLASS = OTRAN
 RESOURCE CODE = X'6E'
     ATTRIBUTE = ACCESS
        ACCESS = NONE(0000),EXECUTE(4000),UPDATE(6000),INQUIRE(0080)
        ACCESS = SET(0040),ALL(FFFF)
        DEFACC = EXECUTE


RESOURCE CLASS = PANEL
 RESOURCE CODE = X'F3'
     ATTRIBUTE = ACCESS
        ACCESS = NONE(0000),READ(4000),WRITE(2000),UPDATE(6000),
                 CONTROL(0400)
        ACCESS = CREATE(1000),SCRATCH(0800),ALL(FFFF)
        DEFACC = READ


RESOURCE CLASS = PPT
 RESOURCE CODE = X'D8'
     ATTRIBUTE = ACCESS,PRIVPGM
        ACCESS = NONE(0000),EXECUTE(4000),UPDATE(6000),INQUIRE(0080)
        ACCESS = SET(0040),ALL(FFFF)
        DEFACC = EXECUTE


RESOURCE CLASS = PROGRAM
 RESOURCE CODE = X'D7'
     ATTRIBUTE = PRIVPGM


RESOURCE CLASS = PROPCNTL
 RESOURCE CODE = X'79'
     ATTRIBUTE = ACCESS,PRIVPGM
        ACCESS = NONE(0000),ALTER(FFFF),CONTROL(0800),UPDATE(8000)
        ACCESS = READ(4000),ALL(FFFF)
        DEFACC = READ


RESOURCE CLASS = PSB
 RESOURCE CODE = X'E2'
     ATTRIBUTE = ACCESS,PRIVPGM
        ACCESS = NONE(0000),READ(4000),UPDATE(6000),INQUIRE(0080),
                 SET(0040)
        ACCESS = ALL(FFFF)
        DEFACC = READ


RESOURCE CLASS = PSFMPL
 RESOURCE CODE = X'9A'
     ATTRIBUTE = ACCESS,LONG
        ACCESS = NONE(0000),CONTROL(0400),UPDATE(8000),READ(4000),
                 ALL(FFFF)
        DEFACC = READ
```

```
RESOURCE CLASS = RECIPID
 RESOURCE CODE = X'50'
     ATTRIBUTE = ACCESS,LONG
        ACCESS = NONE(0000),READ(4000),WRITE(2000),UPDATE(6000),
                 CONTROL(0400)
        ACCESS = CREATE(1000),SCRATCH(0800),ALL(FFFF)
        DEFACC = READ

RESOURCE CLASS = SCHEDULE
 RESOURCE CODE = X'60'
     ATTRIBUTE = ACCESS
        ACCESS = NONE(0000),READ(4000),WRITE(2000),UPDATE(6000),
                 CONTROL(0400)
        ACCESS = ALL(FFFF)
        DEFACC = READ

RESOURCE CLASS = SDSF
 RESOURCE CODE = X'9B'
     ATTRIBUTE = ACCESS,LONG
        ACCESS = NONE(0000),CONTROL(0400),UPDATE(6000),READ(4000),
                 ALL(FFFF)
        DEFACC = READ

RESOURCE CLASS = SMESSAGE
 RESOURCE CODE = X'A6'

RESOURCE CLASS = SPI
 RESOURCE CODE = X'A2'
     ATTRIBUTE = ACCESS,PRIVPGM
        ACCESS = NONE(0000),INQUIRE(0080),SET(0040),PERFORM(4000),
                 DISCARD(0400)
        ACCESS = READ(4000),WRITE(2000),ALL(FFFF)
        DEFACC = NONE

RESOURCE CLASS = STATION
 RESOURCE CODE = X'5A'
     ATTRIBUTE = ACCESS
        ACCESS = NONE(0000),READ(4000),WRITE(2000),UPDATE(6000),
                 CONTROL(0400)
        ACCESS = CREATE(1000),SCRATCH(0800),ALL(FFFF)
        DEFACC = READ

RESOURCE CLASS = STORCLAS
 RESOURCE CODE = X'5D'

RESOURCE CLASS = ALT-ACID
 RESOURCE CODE = X'C2'
     ATTRIBUTE = PRIVPGM


RESOURCE CLASS = SUBSCHEM
 RESOURCE CODE = X'81'
     ATTRIBUTE = PRIVPGM
```

```
RESOURCE CLASS = SYSCONS
 RESOURCE CODE = X'7D'
     ATTRIBUTE = ACCESS
        ACCESS = NONE(0000),CONTROL(0400),UPDATE(8000),READ(4000),
                 ALL(FFFF)
        DEFACC = READ

RESOURCE CLASS = RESERVED
 RESOURCE CODE = X'7F'

RESOURCE CLASS = TERMINAL
 RESOURCE CODE = X'E3'

RESOURCE CLASS = TOTAL
 RESOURCE CODE = X'C8'
     ATTRIBUTE = ACCESS,PRIVPGM
        ACCESS = NONE(0000),UPDATE(8000),READ(4000),WRITE(2000),
                 DELETE(1000)
        ACCESS = REPLACE(0800),ALL(FFFF)
        DEFACC = READ

RESOURCE CLASS = TSAF
 RESOURCE CODE = X'96'
     ATTRIBUTE = NONGEN

RESOURCE CLASS = TSOACCT
 RESOURCE CODE = X'87'
     ATTRIBUTE = PRIVPGM,LONG

RESOURCE CLASS = TSOAUTH
 RESOURCE CODE = X'88'
     ATTRIBUTE = PRIVPGM

RESOURCE CLASS = TSOPRFG
 RESOURCE CODE = X'91'
     ATTRIBUTE = PRIVPGM

RESOURCE CLASS = TSOPROC
 RESOURCE CODE = X'89'
     ATTRIBUTE = PRIVPGM
```

```
RESOURCE CLASS = TST
 RESOURCE CODE = X'E9'
     ATTRIBUTE = ACCESS,PRIVPGM
        ACCESS = NONE(0000),READ(4000),WRITE(2000),REPLACE(0800),
                 PURGE(0100)
        ACCESS = INQUIRE(0080),SET(0040),ALL(FFFF)
        DEFACC = READ

RESOURCE CLASS = RESERVED
 RESOURCE CODE = X'D2'

RESOURCE CLASS = UNVEDIT
 RESOURCE CODE = X'6A'
     ATTRIBUTE = ACCESS
        ACCESS = NONE(0000),READ(4000),WRITE(2000),UPDATE(6000),
                 ALL(FFFF)
        DEFACC = READ

RESOURCE CLASS = UNVPGM
 RESOURCE CODE = X'A1'
     ATTRIBUTE = ACCESS
        ACCESS = NONE(0000),READ(4000),WRITE(2000),FETCH(8000),
                 UPDATE(6000)
        ACCESS = ALL(FFFF)
        DEFACC = READ

RESOURCE CLASS = UNVRPRT
 RESOURCE CODE = X'E0'
     ATTRIBUTE = ACCESS
        ACCESS = NONE(0000),READ(4000),WRITE(2000),UPDATE(6000),
                 ALL(FFFF)
        DEFACC = READ

RESOURCE CLASS = UR1
 RESOURCE CODE = X'D4'
     ATTRIBUTE = ACCESS,PRIVPGM
        ACCESS = NONE(0000),UPDATE(6000),READ(4000),WRITE(2000),
                 ALL(FFFF)
        DEFACC = READ

RESOURCE CLASS = UR2
 RESOURCE CODE = X'D5'
     ATTRIBUTE = ACCESS,PRIVPGM
        ACCESS = NONE(0000),UPDATE(6000),READ(4000),WRITE(2000),
                 ALL(FFFF)
        DEFACC = READ

RESOURCE CLASS = RESERVED
 RESOURCE CODE = X'E8'

RESOURCE CLASS = RESERVED
 RESOURCE CODE = X'F6'
```

```
RESOURCE CLASS = USRCLASS
 RESOURCE CODE = X'4F'
     ATTRIBUTE = ACCESS,PRIVPGM,LONG
        ACCESS = NONE(0000),READ(4000),ALL(FFFF)
        DEFACC = NONE

RESOURCE CLASS = VMANAPPL
 RESOURCE CODE = X'4A'

RESOURCE CLASS = VTAMAPPL
 RESOURCE CODE = X'A7'

RESOURCE CLASS = VMCF
 RESOURCE CODE = X'95'
     ATTRIBUTE = NONGEN

RESOURCE CLASS = VMDIAL
 RESOURCE CODE = X'7C'
     ATTRIBUTE = NONGEN

RESOURCE CLASS = IUCV
 RESOURCE CODE = X'94'
     ATTRIBUTE = NONGEN

RESOURCE CLASS = VMMACH
 RESOURCE CODE = X'D0'
     ATTRIBUTE = ACCESS,PRIVPGM,DEFPROT,NONGEN
        ACCESS = NONE(0000),LOGON(8000),AUTOLOG(4000),SUROGATE(2000)
        ACCESS = GRPLOGON(1000),ALL(FFFF)
        DEFACC = NONE

RESOURCE CLASS = VMMDISK
 RESOURCE CODE = X'F7'
     ATTRIBUTE = ACCESS
        ACCESS = NONE(0000),READ(4000),WRITE(2000),MULTI(0400),
                 MREAD(4400)
        ACCESS = MWRITE(2400),UPDATE(6000),ALL(FFFF)
        DEFACC = READ

RESOURCE CLASS = VMNODE
 RESOURCE CODE = X'F0'
     ATTRIBUTE = NONGEN

RESOURCE CLASS = VMRDR
 RESOURCE CODE = X'7B'
     ATTRIBUTE = NONGEN
```

```
RESOURCE CLASS = VOLUME
 RESOURCE CODE = X'E5'
     ATTRIBUTE = ACCESS,PRIVPGM
        ACCESS = NONE(0000),BLP(8000),UPDATE(6000),READ(4000),
                 WRITE(2000)
        ACCESS = CREATE(1000),SCRATCH(0800),CONTROL(0400),NOCREATE(01
        ACCESS = INQUIRE(0080),SET(0040),ALL(FFFF)
        DEFACC = CREATE

RESOURCE CLASS = VXDEVICE
 RESOURCE CODE = X'93'
     ATTRIBUTE = ACCESS,PRIVPGM,LONG,REMOTE
        ACCESS = NONE(0000),READ(0100),WRITE(0200),EXECUTE(0400),
                 DELETE(0800)
        ACCESS = CONTROL(1000),ALL(FFFF)
        DEFACC = READ

RESOURCE CLASS = VXFILE
 RESOURCE CODE = X'92'
     ATTRIBUTE = ACCESS,PRIVPGM,LONG,REMOTE
        ACCESS = NONE(0000),READ(0100),WRITE(0200),EXECUTE(0400),
                 DELETE(0800)
        ACCESS = CONTROL(1000),ALL(FFFF)
        DEFACC = READ

RESOURCE CLASS = WRITER
 RESOURCE CODE = X'9C'
     ATTRIBUTE = ACCESS,LONG
        ACCESS = NONE(0000),CONTROL(0400),UPDATE(8000),
                 READ(4000),ALL(FFFF)
        DEFACC = READ

RESOURCE CLASS = RESERVED
 RESOURCE CODE = X'E7'

RESOURCE CLASS = DLFCLASS
 RESOURCE CODE = X'E1'
     ATTRIBUTE = ACCESS,PRIVPGM,LONG
        ACCESS = NONE(0000),READ(4000),WRITE(2000),ALL(FFFF)
        DEFACC = READ

RESOURCE CLASS = @TSOCMD
 RESOURCE CODE = X'3A'

RESOURCE CLASS = CADOC
 RESOURCE CODE = X'3E'
     ATTRIBUTE = ACCESS
        ACCESS = READ(4000),UPDATE(8000),WRITE(2000)
        DEFACC = READ
```

```
RESOURCE CLASS = $LMRKTMR
 RESOURCE CODE = X'03'
     ATTRIBUTE = ACCESS,LONG
        ACCESS = ALTER(FFFF),CONTROL(0400),UPDATE(6000),READ(4000)
        ACCESS = NONE(0000)
        DEFACC = NONE
```

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Appendix L

RESTRICTED PASSWORD LIST (RPW)

IBM	TEST	SYS	LOG	SIGN	TSO
PASS	NEW	VTAM	NET	APPL	ROS
BASIC	FOCUS	CADAM	VALID	DEMO	GAME
JAN	FEB	MAR	APR	MAY	JUN
JUL	AUG	SEP	OCT	NOV	DEC
XXX	ASDF	1234	COMPUTE	DATA	LEJEUNE
SOFTWAR	TECH	GEORGIA	AMERICA	OKINAWA	SEMPERF
DEVILDO	JARHEAD	MARINE	USMC	FMF	CORPS

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Appendix M

NATURAL PARAMETERS

Parameter	Default	Standard
ADABAS	YES	
ADASVC	YES	234
ADAVER	41	51
ATTN	(NOT MODIFIABLE)	
AUTO	OFF	ON
AVERIO	8	
BPID	none	250 (IF GLOBAL BUFFER used)
CC	OFF	
CDYNAM	5	
CF	%	
CLEAR	%	
CMPR	ON	
CSTATIC	none	AOSASM (REQD WITH AOS) ESFHCI, ESFATTRB, ESFNAT CL (REQD WITH CMA-SPOOL)
DBID	0	50
DBUPD	ON	
DC	.	
DELETE	ON	
DFBE	10	
DFBN	90	
DSIZE	0*	* Default value is "0", but unless DSIZE is specified otherwise, the buffer size will automatically be set to 2KB when ADALOG is started (i.e., at the first ADALOG request).
DTFORM	I	
DU	OFF	
DYNPARM	ON	
ECHO	ON	
EJ	ON	
ESIZE	28	
ET	OFF	
ETA	none	
ETID	*INIT-USER	
EXTBUF	0	
FC	X'OO'; X'40' FOR TTY OR BATCH MODE	
FDIC	0 or none	(50,8)
FNAT	0 or none	(50,7)
FNR	0	
FS	OFF	ON
FSEC	0 or none	(50,6)
FSIZE	10	
FUSER	0 or none	(,9)
HI	?	?

Parameter	Default	Standard
IA	=	.
ID	,	,
IDLE	30	
IKEY	OFF	
IM	F for online, D for batch	
INTEN	3	1
KEY	none	.
LANG	0	0
LC	OFF	OFF
LE	OFF	
LFILE	none	
LS	0	250
LT	9999999	
MADIO	512	0
MAINPR	0	
MAXCL	50	0
MD	M	M
MENU	ON	ON
ML	T	T
MSIZE	120	
MT	60	0
NATBUFFER	250,20	
NATVER	(NOT MODIFIABLE)	
NC	OFF	OFF
OBJIN	R	R
OPRB	none	NOOPEN
OPRB VSAM	none	
OPSYS	(Not Modifiable)	
PARM	none	
PD	50	
PM	P/R	C
PRINTER	OFF	(P1, P2, P3) up to 31
PROGRAM	none	NATTRAP (CICS)
PRTBLK	1016	(1330,133)
PS	0	90
PSEUDO	ON	ON
RCA	OFF	OFF
RECAT	OFF	
RELO	ON	
RESIDENT	N	
RI	OFF	
RM	OFF	OFF
SA	OFF	
SASIZE	3000	
SAVCD	ON	ON
SF	1	1
SISNLE	15	15
SL	72	72
SM	OFF	
SORTEOJ	NO	
SORTMAX	none	

Parameter	Default	Standard
SORTMIN	30	
SORTN	SORT	IERRCOOO
SORTOPT	none	
SORTSZE	10	
STACK	HELLO	OFF
SYNERR	OFF	
SYS	OFF	
SYSCIP	NO	NO
SYSPSW	NO	
TAFE	10	
TAFN	50	
TAXSIZE	550	
TD	0	0
TQ	ON	ON
TS	OFF	OFF
TSAE	5	
UDB	0	
ULANG	1 (ENGLISH)	
UPDL	5500	
USIZE	32	
VSAM	none	NO
VSIZE	0	40 (MINIMUM)
VSNATNC	NATNUC	
WFOPFA	none	OFF
WH	OFF	
WORK	OFF	32
WORKBLK	4628	4628
XREF	OFF	
XSIZE	0	
XSORT	none	
ZD	ON	ON
ZP	ON	ON
NTDB	none	125 - LOGISTICS 175 - FINANCIAL 225 MANPOWER
NTSYS	none	MT=0, PS-56, MADIO=0 MAXCL=0

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Appendix N

SYSTEM SOFTWARE IDENTIFIERS

Product Name	Data Set Qualifier	VTAM Designat(
ABEND-AID	ABENDAID	n/a
ACE	ACE	n/a
ADA	ADA	n/a
ADABAS	ADABAS	n/a
ADABAS Performance	APAS	n/a
Application Services	AS	n/a
Automate	ATM	n/a
Automate On-line Interface (AOI)	AOI	AOI
BEST/1 MVS	BESTMVS	n/a
BEST/1 NET	BESTNET	n/a
BEST/1	BEST1	n/a
BEST/1GP	BEST1GP	n/a
BMC	BMC	n/a
CA-1	CA1	n/a
CA-11	CA11	n/a
CA-7	CA7	CA7
CA-9/R+	CA90S	n/a
CA-90 SERVICES	CA90S	n/a
CA-APCDOC	CAAPCDOC	n/a
CA-DADS PLUS	DADSPLUS	n/a
CA-FASTDASD	CAFASTDA	n/a
CAI	TSS	n/a
CA-JARS	CAJARS	n/a
CA-JCLCHECK	CAJCLCK	n/a
CA-LIBRARIAN/AUDIT	CALIBR	n/a
CA-ROSCOE	CAROSCOE	ROSC
CA-SORT	CASORT	n/a
CA-SRAM	CASRAM	n/a
CA-TOP SECRET	TSS	n/a
CAPTURE/MVS	CPMVS	n/a
CAPTURE/SNA	CPNET	n/a
Customer Information Control System (CICS)	CICS	CICS
CEMT Batch	CEMT	n/a
CLASY	CLASY	n/a
CMA-SPOOL	ESF	n/a
COBOL II	COBOLII	n/a
COMPAREX	COMPAREX	n/a
Data Base Archive	ARCHIVER	n/a
DISOSS	DISOSS	n/a
DISPLAYWRITE/370	DW370	n/a

Product Name	Data Set Qualifier	VTAM Designat
DLSE	DLSE	n/a
Document Storage Reporter (DSR)	DSR	n/a
FDR/ABR	FDR	n/a
FORTRAN(VS)	VSFORT	n/a
GDDM	GDDM	n/a
GDDM/PGF	GDDMPGF	n/a
Host Command Facility (HCF)	HCF	HCF
HUPDATE	HUPDATE	n/a
INFO/BASE MVS	INFOBASE	n/a
INFO/MGMT	INFOMGT	n/a
INFO/MVS	INFOMVS	n/a
INFOPAC RDS	INFOPAC	n/a
INFO/SYS	INFOSYS	n/a
ISPF/PDF	ISR & ISP	n/a
JESMASTER	JESMASTR	n/a
Journal Manager Plus	BMC	n/a
MARK IV	MARKIV	n/a
MIM	MIMGR	n/a
Natural	NATURAL	n/a
Natural Elite	NATELUTE	n/a
NetView	NETVIEW	ANV
NetView Access Services (NVAS)	NVAS	NVAS
NetView Performance Monitor (NPM)	NPM	NPM
Office Vision	OVMVS	n/a
Office Path SNADS	OFFPTH	n/a
Personal Services	PS	n/a
Phoenix	PHOENIX	PHOE
PL1	PL1	n/a
PAR	PAR	n/a
PME	PME	n/a
PS	PS	n/a
PREDICT	PREDICT	n/a
Print Service Facilities (PSF)	PSF	n/a
Recovery Plus for CICS	BMC	n/a
Recovery Plus for VSAM	BMC	n/a
RUPDATE	RUPDATE	n/a
SAS	SAS	n/a
SAS/GRAPH	SAS	n/a
STOP-X37	STOPX37	n/a
The Monitor for MVS	TMONMVS	TMVS
The Monitor for CICS	TMONCICS	TCIC
TSO/E	TSO	TSO

Product Name	Data Set Qualifier	VTAM Designato
Virtual Terminal Access Method (VTAM)	VTAM	n/a
VRWS	VRWS	n/a
VSAM Mechanic	MECHANIC	n/a

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Name/Rank:
_____ (optional)

Unit:
_____ (optional)

Mail To: United States Marine Corps
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           MARCORCOMTELACT
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           Quantico VA 22134-5048

           ELMS - GICISP:MQGMCCTA