SECTION 2. BACKGROUND

This chapter contains information that reviews the background of COLISEUM, provides a general COLISEUM overview and identifies the environment within which COLISEUM operates. In addition, COLISEUM's mission and its foundation in DoD doctrine are identified.

2.1 COLISEUM-S Overview and Description

COLISEUM is an accredited migration database application designed to support the national intelligence community for the registration, validation, tracking, and management of crisis and non-crisis intelligence production requirements and intelligence products. COLISEUM has been designated as a DoDIIS core product (an information processing or telecommunications application, or application component developed, fielded, and maintained by a DIA Executive Agent (DExA), considered to be both functionally and technically suitable for use at multiple DoDIIS sites) and was the first accredited DoDIIS Migration System with an implementation IOC date of 1 October 1995 and an expected FOC availability date in the summer of 1996. The system provides mechanisms for assigning, scheduling, deconflicting production, and most importantly, it provides the capability to track and manage overall intelligence needs and production activities across operational and national planners and consumer organizations. COLISEUM supports the DoD Intelligence Production Program (DoDIPP) mission to consolidate and achieve the synergism of DoD Intelligence production resources by automating its key operational concepts and the basic PR process, to include RFIs, during peace, crisis, or war.

COLISEUM-S is designed to function as a GCCS intelligence application as well as a Corporate Services application under the JDISS-S Program which provides connectivity and interoperability with other intelligence systems required to support operational users during peacetime, crises, and wartime. Numerous "pick-lists" and simplified input and search capabilities are incorporated into the Human Computer Interface (HCI). Many of COLISEUM's HCI (or Graphical User Interface (GUI)) characteristics were identified by the intelligence community as a direct result of community participation and review in the design and development process. The COLISEUM application's GUI provides the link to the database and underlying capabilities, including an integrated, interoperable tactical intelligence capability that includes host access and electronic mail, as well as an InteLink interface for product retrieval (see Appendix D, COLISEUM - InteLink Interface CONOPS). Simple "point and click" operation makes the process of registering, forwarding, validating, assigning, or responding to a PR an easy and intuitive process. Control functions and relational database features are built into COLISEUM to provide automatic data integrity and validity checks as well as automatic data element field completion upon request.

2.2 COLISEUM-S Mission

The primary mission of COLISEUM-S is to provide for the registration, tracking and management of intelligence requirements and production for:

- General Military Intelligence (GMI)

- Current Intelligence and Crisis Intelligence
- Scientific and Technical Intelligence (S&TI)
- Imagery Intelligence

2.3 Doctrinal Foundation

Operation DESERT SHIELD/DESERT STORM demonstrated the need for and value of automated support for timely intelligence production management. An initial concept of GMI Intelligence Production Requirements (IPR) was briefed and approved at the then Council of Defense Intelligence Producers (CDIP) (now replaced by the Defense Intelligence Producers Conference (DIPC)) conference on 17 August 1992 in response to Congressional guidance and to recommendations issued by the Office of the ASD/Command, Control, Communications and Intelligence (C3I). Functional requirements for the IPR management system were then solicited from all branches of the Military Services and Unified & Specified (U&S) Commands at the General Military Intelligence Production Program (GMIPP) conference on 13 October 1992.

At the next CDIP Conference (24-26 February 1993), a proposed NMIPC concept to consolidate GMI, S&TI, Current Intelligence, and Imagery Analysis production management responsibilities was presented. Two proposed recommendations were approved at this CDIP Conference: 1) Consolidation of all production management into one system (proposed by the Services) and 2) DoDIMS would be hosted as an application on the JWICS/JDISS systems (proposed by the Program Manager). The second proposal was accepted as an action item for the next JWICS/JDISS Users Conference, held on 2-5 March 1993. The Military Intelligence Board (MIB) was briefed on 10 March 1993.

At the Director of Military Intelligence (DMI) Annual Leadership Off-site Conference held on 12-13 November 1993, General Clapper directed that NMIPC "continue DoDIMS development to support the DMI community's need for comprehensive non-crisis production management". General Clapper also directed that the NMIPC "continue to work with the Director, Central Intelligence (DCI) Community to define automated production management requirements and identify candidate migration systems". As a result of a Joint DoD/DCI Production Review in the Spring of 1992, the NIPB received several action items, which included a requirement to establish a community-wide production management and information system to permit better decision making regarding production resources.

In January 1994, DoDIMS was identified as a DoDIIS migration system and a Principles of Understanding (POU) agreement was executed between the Director, NIC Production Group and the Director, Operations Directorate, NMIPC. The DCI/Deputy Secretary of Defense (DSD) directive to develop/integrate, implement, and manage an intelligence community production Management Information System (MIS) was fulfilled by this agreement. COLISEUM will continually evolve, based on user requirements, as additional functionality and interfaces to other intelligence

applications are identified by members and organizations within the Intelligence Community.

2.4 COLISEUM Environment

The following organizations provide organizational support to the COLISEUM Program in several areas:

- General Intelligence Training Council (GITC), DIA/Joint military Intelligence Training Council (JMITC) - Provides guidance on standards and procedures for the conduct of evaluations pertaining to intelligence-related training, and assigns responsibility to the COLISEUM Program Management Office (PMO) to ensure the adequacy and responsiveness of training.

- DIA/Production Organization Interoperability-3 (POI-3) (COLISEUM PMO) - Provides the direct application development life cycle support functions such as:

  – Development and testing schedules,

  – Deployment schedules,

  – Change control and coordination for application certification and security accreditation,

  – Coordination of installation and training requirements with sites,

  – Development of training concepts, strategies and curriculum, and conducting initial direct application training.

  The COLISEUM Program Manager (PM) is Mr. William H. Fleming ((202) 231-3603) and the COLISEUM Contract Manager is Ms. Jeanie M. Layton ((202) 231-4007). The COLISEUM Training Manager is Mr. John Lee ((202) 231-4002).

- DIA/Production Organization Management (POM) - Develops DoDIPP compliant, standardized production policies, procedures, processes and formats automated by COLISEUM.

- Services/Agencies - Coordinates application implementation and training requirements with the COLISEUM PMO and schedules student participation. Coordinates user input for functional requirements and change requests, and participates in change control board (CCB) activities.

- Contractor/Developer - J.G. Van Dyke & Associates, Inc. (VDA) designed, developed, tested and implemented COLISEUM. VDA advises the PMO of the impact of modifications and enhancements to the application software and maintains

the software. The Project Manager is Mr. Tony Goe ((202) 231-4844).

No military organization is prohibited by the developer from obtaining COLISEUM-S. It is the responsibility of individual organizations and their parent organizations or commands to determine where COLISEUM-S will be implemented and used. The only requirement imposed by DIA is that the target organization obtain the appropriate hardware and system connectivity. Currently, installation of a runtime version of the COLISEUM-S application at any site requires the following:

- SUN SPARCstation,
- 32 MBytes Random Access Memory (RAM) minimum, (64 MBytes RAM preferred),
- 40 MBytes data storage for the COLISEUM application runtime software,
- InteLink-S connectivity (optional).

The COLISEUM-S runtime may be installed on either a workstation or network application server. COLISEUM-S will operate at the Secret Collateral level.

Installation of a full COLISEUM-S suite consisting of a client and a data server with Replication Server currently requires:

- SUN SPARCstation,
- 32 MBytes Random Access Memory (RAM) minimum, 64 MBytes RAM preferred,
- 40 MBytes data storage for the COLISEUM application runtime software,
- 400 MBytes minimum data storage for the database (the server will require additional disk storage as COLISEUM is used),
- Sybase SQL Server 10.0.1 (or greater),
- Sybase Replication Server 10.0.1 (or greater),
- InteLink-S connectivity (optional).

COLISEUM-S was developed at DIA to run on SUN SPARCstations. The operating system used is the TAFIM compliant SUN OS Release 4.1.3 and the database system used is TAFIM compliant SYBASE 10.0.1. TAFIM compliant operating systems are proven compliant with the Portable Operating System Interface for Computer Environments (POSIX) standard and database systems are Standard Query language (SQL) standard compliant. The COLISEUM development environment incorporates Sybase's Gain Momentum Release 3 (or greater). COLISEUM runtimes may also be created for Windows NT clients where the requirement exists.

System operations (central server and application monitoring, and help-desk functions) and maintenance will occur at the DIA COLISEUM PMO. Enhancements to COLISEUM will be developed, tested and implemented (with the exception of application certification and designated beta testing) within the DIA PMO. Sites that have acquired COLISEUM will then be able to obtain new releases per a pre-determined schedule by using the File Transfer Protocol (FTP) over the DSNET-1 (SIPRNET) secure DoD wide-area network.