EIDS Program Management

Interface Control Document  
Describing the Casualty Data Exchange from  
WHS/DIOR to EIDS  
BASELINE

Version



**EIDS Program Office  
5111 Leesburg Pike, Suite 809  
Falls Church, VA 22041**

This page intentionally left blank.

ICD Describing the Casualty Data Exchange from WHS/DIOR to EIDS

Version

Approval Page

Approved by:

Mr. Paul Lindsey Date  
Chair, Configuration Control Board (CCB)  
Executive Information Decision Support

**EIDS Program Office  
5111 Leesburg Pike, Suite 809  
Falls Church, VA 22041**

This page intentionally left blank.

ICD Describing the Casualty Data Exchange from WHS/DIOR to EIDS

Version

Review Page

Submitted by:

Mr. Steve Luhrman Date  
Interfaces Integration Manager  
EIDS Program Office

Reviewed by:

Mr. Martin Shepherd Date  
Manager, EIDS Data Operations  
EIDS Program Office

Reviewed by:

Mr. William Eberhardt Date  
Senior Engineer & Architect  
EIDS Program Office

**EIDS Program Office  
5111 Leesburg Pike, Suite 809  
Falls Church, VA 22041**

This page intentionally left blank.

Preface

This document describes the interface that provides casualty data records from the Washington Headquarters Services/Directorate for Information Operations and Reports (WHS/DIOR) to the Military Health System (MHS) Data Repository (MDR).

This document is under EIDS project configuration control. Changes to this document will be made by document change notice (DCN) or by complete revision.

Questions on proposed changes concerning this plan should be addressed to:

EIDS Program Office   
5111 Leesburg Pike, Suite 809  
Falls Church, Virginia 22041

This page intentionally left blank.

Abstract

The Executive Information Decision Support (EIDS) Program Office manages the Military Health System (MHS) Data Repository (MDR) as the core repository for MHS clinical, beneficiary population, enrollment, costing and workload data. The MDR collects, catalogues and organizes data files from several systems. This document is the Interface Control Document (ICD) that specifies the casualty data from the Washington Headquarters Services/Directorate for Information Operations and Reports (WHS/DIOR) to the MDR. Information and meta data regarding the data feed are detailed in this ICD.

**Keywords:** Decision Support, Casualty Data, Executive Information, Interface Control Document, MHS Data Repository, Washington Headquarters Services, DS, EI, ICD, MDR, WHS

This page intentionally left blank.

|  |  |  |  |
| --- | --- | --- | --- |
| **BASELINE, CHANGE AND REVISION HISTORY PAGE** | | | |
| **ISSUE** | **DATE** | **PAGES AFFECTED** | **DESCRIPTION** |
| Baseline | Aug 7, 2007 | All | Baseline |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

This page intentionally left blank.

Contents

Preface vii

Abstract ix

Section 1: Introduction 1-1

1.1 Document Identification 1-1

1.2 Scope 1-1

1.3 System Overview 1-1

1.4 Reference Documents 1-1

1.5 Operational Agreement 1-1

Section 2: Data Specification 2-1

2.1 Identification of Data Exchanges 2-1

2.2 Precedence and Criticality of Requirements 2-1

2.3 Communications Methods 2-1

2.4 Performance Requirements 2-1

2.5 Security and Integrity 2-1

2.5.1 Data Integrity and Quality 2-2

Appendix A: WHS/DIOR Casualty Data A-1

A.1 File Format A-1

A.2 Record Layout A-1

A.3 File Operational Context A-1

Appendix B: Acronyms B-1

**Tables**

Table A‑1 Casualty Data Elements A-2

This page intentionally left blank.

# Introduction

## Document Identification

This document describes the interface that provides the casualty data on military members to the Military Health System (MHS) Data Repository (MDR).

## Scope

This document describes the file parameters and record layouts for the casualty data that the EIDS Program Office receives from the Washington Headquarters Services / Directorate for Information Operations and Reports (WHS/DIOR). This data is used in conjunction with other datasets to create MDR casualty SAS datasets.

## System Overview

This particular ICD describes the specific interface between WHS/DIOR and EIDS. WHS/DIOR collects and distributes a variety of data reports to users authorized to obtain them. In this interface, WHS/DIOR is providing a monthly data feed on military casualty members. EIDS uses this data to develop SAS datasets used in enterprise analysis.

The MDR receives the data at the central host, an IBM RS/6000SP multi-node processor, through the Feed Nodes. The Feed Nodes send the files to the Tivoli Storage Manager (TSM). The TSM copies and stores the files for back-up purposes. The MDR screens the records for data management purposes. The MDR subjects the files to defined business rules to create and post the casualty SAS datasets.

## Reference Documents

EIDS Program Office, *CEIS Operational Requirements Document (ORD)*, Falls Church, VA, December 1997.

EIDS Program Office, *Initial Capabilities Document (ICD),* dated March 2006 (pending JROC approval)

## Operational Agreement

This ICD provides the technical specification for an interface between the WHS/DIOR and the EIDS Program Office regarding casualty data requirements. It is the responsibility of the source system Program Office (i.e., WHS) to notify EIDS of any potential or planned changes to data feed formats or contents as soon as these potential changes are known in order to minimize adverse impacts on EIDS receiving systems. When required, modifications to the ICD will be made by the data receiver (i.e., EIDS Program Office), and a copy of the revised ICD will be sent to the data sender (i.e., WHS).

Appendix A delineates the casualty data file that EIDS receives from WHS.

Should problems occur with the interface EIDS data production support personnel will immediately contact WHS operational personnel. Should there be systemic data problems recognized during MDR processing, EIDS members will coordinate with their counterparts in WHS.

# Data Specification

## Identification of Data Exchanges

This ICD addresses the following data exchange from WHS/DIOR to EIDS:

* Casualty records.

This ICD will be changed *only* if the interface changes from the interface specified herein.

## Precedence and Criticality of Requirements

Casualty data on military members that is reliable is necessary for the MHS to make knowledge-based decisions. MDR provides this information to MHS decision-makers. A minimum of monthly updates are required for effective performance of the business. An inability to obtain this data for a period of 2 months or greater could have adverse consequences to the business.

## Communications Methods

The EIDS Program Office will use Secure File Transfer Protocol (SFTP) as the file transfer mechanism to transmit casualty data records from WHS/DIOR to the EIDS’ MDR. SFTP provides encryption, compression, guaranteed delivery, and error recovery and incremental restart capability to protect the casualty data being transferred.

## Performance Requirements

There are no unique performance requirements for this data.

## Security and Integrity

The data exchanged in this interface contains protected patient level identifiable information. In addition, because the aggregate data being transmitted from WHS to EIDS is becoming part of a database that does contain sensitive data, it will be protected in accordance with the C2-level protection standards mandated for all "Sensitive Unclassified Systems" by the requirements of DoD Directive 5200.28. These standards help ensure compliance with the following Federal laws:

Privacy Act of 1974

U.S. Code, Title 10, Section 1102, Medical Quality Assurance Records

U.S. Code, Title 10, Section 1030, Fraud and Related Activity in Connection with Computers

Computer Security Act of 1987

Health Insurance Portability and Accountability Act (HIPAA)

### Data Integrity and Quality

Validation checks such as record counts, file formats, source stamps, and date-time stamps will be performed on the data transferred from WHS/DIOR to EIDS as defined in the design documentation.

**Appendix A: WHS/DIOR Casualty Data**

**A.1 File Format**

The WHS/DIOR Casualty File is sent to EIDS from WHS/DIOR via SFTP around the 5th day of each month. The file is used by EIDS to create casualty files in the form of SAS datasets that are kept in the MHS Data Repository (MDR). The file is composed of many records. Fields and records are pipe (“|”) delimited.

The feed is a cumulative file of all casualties for each fiscal year. The fiscal year is determined by the date of death field.

**A.2 Record Layout**

Table A-1 describes the record layout of each casualty member. Data fields are pipe (“|”) delimited. The record key is the Service Number and Birth Date.

**A.3 File Operational Context**

The casualty files are full-table refreshes. Once a year is mature, the casualty file will be refreshed semi-annually for one year. A year is considered mature once it is more that three months past (beginning in December of the following fiscal year). Any years beyond the previous year will be refreshed annually.

Table A‑1 Casualty Data Elements

| Field Name  (logical name) | Field Length | Position | Data Type | Data Units | Value Range | Functional Description |
| --- | --- | --- | --- | --- | --- | --- |
| Member Name | 40 | Delimited | A-Numeric | N/A | None | Name of the member. Last name, first name, middle name, suffix. |
| Service Number | 10 | Delimited | A-Numeric | N/A | None | Social Security Number of the member. No dashes. |
| Rank/Rate | 6 | Delimited | A-Numeric | N/A | None | Description of the rank or rate of the member. |
| Birth Date | 8 | Delimited | A-Numeric | N/A | None | Date of member’s birth. Format: YYYYMMDD. |
| Status Date | 8 | Delimited | A-Numeric | N/A | None | Date of the casualty status. Format: YYYYMMDD. |
| Casualty Category | 1 | Delimited | A-Numeric | N/A | A, B, C, D, G, H, I, K, L, M, P, R, S, U, W | The cause of the casualty. Coded as follows:  A Accident  B Besieged  C Captured  D Detained  G Missing in action  H Homicide  I Illness  K Killed in action  L Beleaguered  M Missing  P Pending  R Died of Wounds Received in Action (DWRIA)  S Self-Inflicted  U Undetermined  W Wounded in action |

**Appendix B: Acronyms**

|  |  |
| --- | --- |
| CCB | Configuration Control Board |
| DCN | Document Change Notice |
| DIOR | Directorate for Information Operations and Reports |
| DoD | Department of Defense |
| DWRIA | Died of Wounds Received in Action |
| EIDS | Executive Information Decision Support |
| HIPAA | Health Insurance Portability and Accountability Act |
| ICD | Initial Capabilities Document |
| ICD | Interface Control Document |
| JROC | Joint Requirements Oversight Council |
| MDR | MHS Data Repository |
| MHS | Military Health System |
| NSLC | Naval Sea Logistics Command |
| ORD | Operational Requirements Document |
| SAS | Statistical Analysis System |
| SFTP | Secure File Transfer Protocol |
| TSM | Tivoli Storage Manager |
| WHS | Washington Headquarters Services |