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**Date:** June 5, 2018  
**Appraiser:** Steven B. Rhodes, ACRA  
**Agency:** Department of Defense. Defense Threat Reduction Agency  
**Subject:** DAA-0374-2017-0016

## INTRODUCTION

### Schedule Overview

Nuclear Management Information System (NUMIS) database

### Background

The Defense Threat Reduction Agency (DTRA), Nuclear Support Directorate serves as program office for three mission-critical Nuclear Weapon Information Tracking Systems. These three systems, the Nuclear Management Information System (NUMIS), Nuclear Weapons Contingency Operations Module (NWCOC), and the Special Weapons Information Management System (SWIM), interface with each other and provide DOD with the ability to track the location of nuclear weapons and components from cradle-to-grave albeit with some differences in style and purpose. SWIM software provides site-specific reporting and tracking information on the U.S. nuclear weapons stockpile at all nuclear custodial units worldwide. In addition, SWIM generates the document of origination, the Weapon Status Report. NWCOC is a wartime, contingency operation, command and control database system that provides summarized information on all nuclear weapons. NWCOC tracks nuclear weapons information, using data extracted from NUMIS and SWIM, from the time the weapons are built until the time they are physically torn down by the Department of Energy.

NUMIS however, is the designated system of record for nuclear stockpile tracking and management providing detailed information on the quantity and location of U.S. nuclear weapons. DTRA provides NUMIS information on the status and location of the national nuclear weapon stockpile to the Department of Energy and DOD Components. NUMIS receives nuclear weapons information daily from the Department of Energy Weapons Inventory System. Information is transmitted from the Weapons Inventory System over the Automatic Digital Network to a message-received directory on the Multifunctional Secure Gateway System. In an unusual protocol every Department of Energy message is automatically rejected by NUMIS and placed in a suspense area for manual manipulation. The process is also performed in reverse when NUMIS sends the daily change report to the Weapons Inventory System. Thus, NUMIS and the Weapon Inventory System do not actually exchange data electronically. On a monthly

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basis DTRA and the Department of Energy conduct a manual reconciliation of the NUMIS and Weapon Inventory System databases for common data fields.

**Overall Recommendation**

I recommend approval of the attached schedule.

**APPRAISAL**

**Item 1: Nuclear Management Information System (NUMIS) database (Master files)**

Master files of an electronic system containing complete serial and summary information on all nuclear weapons, other major assemblies, and components including historical status, maintenance actions, locations, and weapon reports.

**Proposed Disposition:** Temporary

**Appropriateness of Proposed Disposition:** Appropriate

**Appraisal Justification:**

\*Has little or no research value.

\*Captured elsewhere in permanent records. See Stockpile Reports (DAA-0374-2017-0004, item 1) previously approved as permanent.

**Adequacy of Proposed Retention Period:**

\*Adequate from the standpoint of legal rights and accountability.

**Media Neutrality:** Requested and approved.



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Appraiser, Agency Services