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Date: June 7, 2018
Appraiser: Steven B. Rhodes, ACRA
Agency: Department of Defense. Defense Threat Reduction Agency
Subject: DAA-0374-2017-0015

INTRODUCTION

Schedule Overview

Integrated Weapons of Mass Destruction Toolset (IWMDT)

Background

After the First Gulf War, American military and civilian leadership recognized there was a need for an accurate analytical electronic tool that could be used in the field to evaluate chemical, biological, nuclear and explosive (CBRNE) hazards. The task of developing the software fell to the Defense Nuclear Agency, the predecessor agency for the Defense Threat Reduction Agency (DTRA). DNA's efforts resulted not in the Integrated Weapons of Mass Destruction Toolset but the Hazard Prediction Assessment Capability (HPAC). This was the standard for over ten years but due to advances in electronic records and information gathering the need was seen for something with a more net-centric application. In 2002, DTRA began the long journey down the road toward a new design architecture which resulted in the development of the Integrated Weapons of Mass Destruction Toolset (IWMDT). In the IWMDT DTRA has a product with laptop capability that allows users to rapidly access CBRNE planning, emergency response and assessment capabilities. The IWMDT uses computer models that simulate particular CBRNE attack situations and potential outcomes depending on the weapon used such as particle dispersion in the event of a nuclear or chemical incident, taking into account wind, terrain and the location of the device. Thus, military units can use IWMDT to predict the possible effects of various kinds of attacks on U.S. and allied troops and help determine how troops should be moved or what precautions they should take. The primary goal of the IWMDT effort is to provide accessible, visible and shared data for personnel in the field through shared information resources and assessments of CBRNE scenarios. In short, the Integrated Weapons of Mass Destruction Toolset is a complex database with modeling and simulation tools to enable rapid access for planning, emergency response and assessment capabilities.

Overall Recommendation

I recommend approval of the attached schedule.

NATIONAL ARCHIVES *and*
RECORDS ADMINISTRATION

8601 ADELPHI ROAD
COLLEGE PARK, MD 20740-6001
www.archives.gov

APPRAISAL

Item 1: Integrated Weapons of Mass Destruction Toolset (IWMDT)

Records relating to remote identification and assessment of location and status of chemical, biological, nuclear and explosive (CBRNE) hazards and identify the possible effects of a CBRNE attack.

Proposed Disposition: Temporary

Appropriateness of Proposed Disposition: Appropriate

Appraisal Justification:

*Other. Similar records previously approved as temporary: Chemical, Biological, Radiological, & Nuclear Installation Protection Program C41 (CBRNE IPP C41) Master File (DAA-0127-2012-0004-0001).

*Has little or no research value.

Adequacy of Proposed Retention Period:

*Adequate from the standpoint of legal rights and accountability.

Media Neutrality: Requested and approved.

Steven B Rhodes

STEVEN B. RHODES

Appraiser, Agency Services