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Environmental Technology Team (ETT) Information System

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The Directorate of Environmental Management and Planning (DEMP), Redstone Arsenal Support Activity (RASA) is responsible for the development and management of command activities required to comply with environmental protection laws and requirements. The Environmental Technology Team (ETT) of the DEMP has the mission of managing and providing support for pollution prevention and ozone depleting chemical (ODC) elimination requirements associated with command activities and weapon system management. The objective of this task was to design and develop an information system necessary to provide the infrastructure for the storage, retrieval, and use of technical information required to support the above mission. Specific requirements of this task included integration of hardware/software platforms, data transfer requirements, communication protocols to internal and external sources, and development of user interface procedures.

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PREFACE

This technical report was prepared by the staff of the Research Institute, The University of Alabama in Huntsville. The purpose of this report is to provide documentation of the work performed and results obtained under Delivery Order 27 of AMCOM Contract No. DAAH01-98-D-R001. Mr. James R. Clark was the principal investigator. Mr. Ron Hagler, Systems Engineering and Production Directorate, Missile Research, Development and Engineering Center, provided technical guidance.

The views, opinions, and/or findings contained in this report are those of the author(s) and should not be construed as an official Department of the Army position, policy, or decision unless so designated by other official documentation.

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Prepared for: Commander
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I have reviewed this report, dated October 1999 and the report contains no classified information.

Gary A. Maddux
Principal Investigator

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1.0 Introduction

The Directorate of Environmental Management and Planning (DEMP), Redstone Arsenal Support Activity (RASA) is responsible for the development and management of command activities required to comply with environmental protection laws and requirements. The Environmental Technology Team (ETT) of the DEMP has the mission of managing and providing support for pollution prevention and ozone depleting chemical (ODC) elimination requirements associated with command activities and weapon system management.

2.0 Objective

The objective of this task was to design and develop an information system necessary to provide the infrastructure for the storage, retrieval, and use of technical information required to support the above mission. Specific requirements of this task included integration of hardware/software platforms, data transfer requirements, communication protocols to internal and external sources, and development of user interface procedures. To meet the needs of DEMP, the University of Alabama in Huntsville (UAH) Systems Management and Production Lab was contracted to provide information management development and expertise.

3.0 Statement of Work

The statement of work, as outlined in delivery order 27, was as follows:

3.1 UAH shall maintain a computer local area network (LAN) for ETT office automation. This work shall include providing and maintaining necessary system drops to individual computers, performing functionality tests on the system, troubleshooting ETT system problems as they arise, establishing system security as needed, providing system software and stored data maintenance as required, and pursuing connectivity and compatibility between the ETT server and outside sources.

3.2 UAH shall develop and maintain a world wide web site homepages as required for enabling outside sources to view information generated by the ETT, the DEMP, and its customers.

3.3 UAH shall assist the ETT in developing and determining hardware and software as needed in the performance of ETT business.

4.0 Conclusion and Recommendations

During the time frame allocated by the delivery order, members of the UAH Systems Management and Production Lab, with the cooperation of representatives from AMCOM ETT and RDEC, performed an analysis of information and Internet

technologies to support DEMP efforts. This analysis led to the development and maintenance of the DEMP website. All efforts for the website were documented and delivered to DEMP under separate cover.

The investigation of information and Internet technologies included the analysis of current DEMP information sharing requirements. It is recommended that these requirements be revisited periodically to determine the required Internet infrastructure. As the DEMP requires additional capacity and as Internet technologies become more advanced, the website should be enhanced to exploit newly developed technologies.