



**US Army Corps
of Engineers®**

Automated Debris Management System (ADMS) Fact sheet

The Automated Debris Management System (ADMS) creates load tickets electronically eliminating the need for hand written and scanned tickets. ADMS is furnished by the USACE ACI Contractor.

System features include:

- ◆ Paperless electronic (handheld device) data collection
- ◆ Duplicate databases for government and contractor use. Contractor database will be internet accessible to subcontractors, city, state and other public entities on a need to know basis.
- ◆ Minimal manual entry of traditional debris paper load ticket data fields
- ◆ Automation of debris pickup location thru use of GPS/GIS technologies
- ◆ Evaluation of daily event status using web-based reporting and GIS tools
- ◆ Coordination of contractor invoices, FEMA documentation and applicant payment processes enabled thru an integrated database management system

1. General Statement of System Parameters

- A. The system utilizes an encryption protected removable data storage device. The data storage device will store data collected in the field, such as fields from traditional debris paper load tickets as well as truck certification information. The preferred storage device is an electronic memory chip based medium (hereafter referred to as a smart card) capable of depicting image and other identifying data and employing anti tampering mechanisms certified as secure/auditable by the National Institute of Standards and Technology (NIST).
- B. The system utilizes handheld devices compatible with smart card technology. The handheld devices (herein known as handheld units (HHU)) are used to write data to, and read data from, the smart cards or other removable storage media. HHU devices have the capability to download data to the system databases, as well as the capability to transmit data directly from the HHU to the system databases if commercial data communications infrastructure is available.
- C. The system has a database capable of storing all data collected in the field. Data uploads are made, at a minimum, daily with the goal being real time updates. A government or contractor ticket manager uses a GPS equipped HHU to initiate debris data collection on a smart card at pickup sites. A government assigned disposal site tower manager uses a HHU to verify and quantify debris data on smart card, then transmit/upload or manually transfer the information to the government database via ftp, cell phone or removable media.
- D. The system includes the capability to share database records with contractors, sub-contractors, and customers via the internet. Data contained in the system is password protected, implement role-based access controls and has viewing, printing and editing capabilities. Each contractor, subcontractor and customer will have permissions that allow only them to review and print information specific to their need. The system also has the capability to generate reports on all aspects of the debris mission.

