

## DRMO to GENERATOR COMMUNICATIONS INTERFACE STANDARD 2.0.0

The attached interface standard is provided for comment. Changes from Version 1.0.0 dated 3/13/2000 version are identified in **red text**.

### BACKGROUND:

Every DRMO has access to a Hewlett Packard (HP) super mini computer (model 750 or 877). The primary use of this computer is for accountable record inventory management and control. The suite of software is called DAISY (DRMS Automated Information System). DRMOs are required to use the DLA Base Operations Support System (BOSS), to contract for the ultimate disposal of HW. BOSS is a Oracle Client/Server system that runs at DSCR Richmond. DRMS has implemented SHIP (Single Hazardous Input Process). SHIP is a PC based applications that interfaces with both DAISY and BOSS. SHIP creates a centralized repository of hazardous waste data for reporting and tracking purposes and facilitates BOSS data entry.

### GENERATOR to DRMO COMMUNICATIONS - GENCOMM (currently version 5.0.1):

Phase III of the SHIP project involves the electronic transfer of Waste Profile Sheet (WPS) and Disposal Turn in Document (DTID, DD.1348-1A) data. This data will be placed on the DRMO computer prior to the actual turn in to DRMO. The DTID data will be placed in a "Due In" file. When the actual DTID data is entered in DAISY, the receiver enters the DTID number and DAISY will populate the fields of the HW receipt screen with the data from the "Due In" file. The WPS data, along with the DTID data will be passed to the SHIP PC. When the DRMO signs on to BOSS, the user will see a "false front end to BOSS." a graphical user interface (GUI), will facilitate data entry into BOSS. many of the required boss data entry screen elements will be populated from the ship database. GENCOMM 5.0.0 is Y2K compliant and approved for use. The GENCOMM file is placed in the DRMO DAISY folder /shipdrmo/data/gencomm/upload and once processed by DAISY is left in folder /shipdrmo/data/gencomm/(DRMO's RIC and Suffix)/(Generator DoDAAC)

### DRMO to GENERATOR COMMUNICATIONS - DRMOGEN 2.0.0

The proposed attached file format is for providing audit trail information from SHIP and BOSS back to the Generator system (Phase IV). We believe that the best way to do this is to use a DRMO DAISY folder as the generator and the DRMO already have DAISY access for GENCOMM 5.0.0. **As a HazMart database submits GenComm files, SHIP prepares a data file for that generator. The file will contain status of DTIDs submitted to that DRMO. The process that builds those files for the generator will run daily and select all records up to ninety days from the date an item was removed from the DRMO. Generator files would be moved from SHIP to the DRMO HP into the directory /prod/shipdrmo/data/gencomm/download/ where SHIP/DAISY would place the GENCOMM file for the generator system to FTP. The filename will be the generator's [DoDAAC].[DRMO Like item code]. Each file would have multiple DTIDs associated.**

### HOW WILL IT WORK?:

- Generator receives GENCOMM login and password to DRMO DAISY from their DRMO.
- DRMO creates an ASCII file in the GENCOMM format.
- Generator connects to the DRMO DAISY host via Internet file transfer protocol (FTP).
- Generator enters User ID and Password.
- Generator transfers the file via FTP.

**FILE FORMAT FOR DRMO to GENERATOR COMMUNICATIONS  
(Final Version DRMOGEN 2.0.0, 6/18/2000)**

1. The basic structure for communicating this data is to use sections and subsections in a text file. The record format for each text line is determined by a combination of its sequence in the outline and its first field.
2. DO is defined as delivery order information. PMF is defined as pickup manifest information.
  - 2.1 The required outline is as follows:
    1. File Header
    2. DO Section
  - 2.2 Each DO section is outlined as follows:
    1. DO Section Header
    2. DO Section Record(s)
    3. DO Section Trailer
    - 2.2.1 Each PMF Section is outlined as follows:
      1. PMF Section Header
      2. PMF Section(s), if any
      3. PMF Section Trailer
    - 2.2.2 Each EPA Waste Code Subsection is outlined as follows:
      1. EPA Waste Code Section Header
      2. EPA Waste Code Record(s)
      3. EPA Waste Code Section Trailer.
    - 2.2.3 Each EPA Handling Code Subsection is outlined as follows:
      1. EPA Handling Code Subsection Header
      2. EPA Handling Code Record(s)
      3. EPA Handling Code Subsection Trailer.
    - 2.2.4 Each Transportation Data Subsection is outlined as follows:
      1. Transportation Data Subsection Header
      2. Transportation Data Record(s)
      4. Transportation Data Subsection Trailer.
    - 2.2.5 Each Container Data Section is outlined as follows:
      1. Container Data Section Header
      2. Container Data Record(s)
      3. Container Data Section Trailer.
3. Fields are restricted to (a maximum of) the length indicated, unless noted as variable (V).
4. Fields will be delimited by the pipe symbol ("|"). However, there will not be a trailing "|".
5. Records will be delimited by the carriage return <CR>, technically stored as the carriage return line feed (LF) combination. This will be represented as End of Record Indicator in the record formats.
6. At the end of any record there are three options:
  1. Continue with the next record.
  2. Terminate the section or subsection with its trailer and start a new section or subsection.
  3. Terminate the section or subsection with its trailer and quit (End of file).

**RECORD FORMATS FOR DRMO to GENERATOR COMMUNICATIONS  
(DRMOGEN Draft Version 2.0.0, 6/18/2001)**

**THE FOLLOWING CODES ARE USED IN DEFINING RECORD FORMATS:**

Mandatory (M)	Alpha (A)
Optional (O)	Numeric (N)
Alpha/Numeric (A/N)	

**THE FOLLOWING IS THE FORMAT OF A FILE HEADER:**

<u>M/O</u>	<u>Field Name</u>	<u>A, N or A/N</u>	<u>Field Length</u>	<u>Example, Format or Style</u>
M	DoDAAC	A/N	6	The Generator DoDAAC i.e. FB2020
M	Date	N	7	Julian date the file was created i.e. 1994332
M	Time	N	4	In the format HHMM
M	Form Version	A/N	5	DRMS DRMOGEN File Format version Number (currently 1.0.0)
M	DRMO RIC	A/N	4	DRMO RIC and Suffix
M	Form Version	A/N	V	SHIP Software Release Version Number (currently version SHIP 6.0)
M	End of Record Indicator			

The header record will be followed by one or two sections (Waste Profile Sheet Section - WPS or Disposal Turn In Document Section - DTID). Each section can contain one or more records. A section must have a section header and a section trailer. Permissible combinations are: File Header (FH) and both WPS and DTID Sections (in that order), FH and WPS Section only, or FH and DTID section only.

**THE FOLLOWING IS A FORMAT FOR THE DO SECTION HEADER:**

<u>M/O</u>	<u>Field Name</u>	<u>A, N</u>	<u>Field</u>	<u>Length</u>	<u>Example, Format or Style</u>
M	DO Section Header	A/N		11	A constant of "beg_do_sect"
M	End of Record Indicator				

**THE FOLLOWING IS THE FORMAT FOR A DO RECORD:**

<b>M/O</b>	<b>Field Name</b>	<b>Field Type</b>	<b>Field Length</b>	<b>Example, Fomat, or Style</b>	<b>SHIP Table field name</b>
M	Disposal Turn In Document (DTID) Number	A/N	15	W25G1V91250025	DTID_NO
M	DRMS Status Code	A/N	1	"D" = Received by the DRMO "E" = DO Requested "G" = DO Issued "M" = Partial Pickup "Z" = Complete Pickup	
M	Quantity of hazardous waste on the DTID	N	6		QTY
M	Unit of measure of hazardous waste	A/N	2	LB	UM
O	Total Disposal Cost	N	20	1.24	TOT_DSPSL_C
O	Price per unit for disposal of HW	N	5.2	00000.01	UP
O	BOSS Document Number	A/N	8	91250001	DOCNO
O	Customer Identifier (Used for grouping DTIDs into a delivery order request)	A/N	4	DOR1	CUST_CD
O	Contract Number	A/N	13	SP440099D0023	CONTR_NO
O	Delivery Order Number	A/N	4	0002	DLVRY_ORDR
O	Contract(DO) Line Item Number CLIN	A/N	4	0002	
O	DRMS HIN Hazardous Identification Number	A/N	6	9102RR	DRMS_HIN
M	End of Record indicator				

**THE FOLLOWING IS THE FORMAT FOR THE DO SECTION TRAILER:**

<u>M/O</u>	<u>Field Name</u>	<u>A, N</u>	<u>Field</u>	<u>Length</u>	<u>Example, Format or Style</u>
M	DO Section Trailer	A/N		12	A constant of "end_do_sect"
M	End of Record Indicator				

**THE FOLLOWING IS A FORMAT FOR THE PMF SECTION HEADER:**

<u>M/O</u>	<u>Field Name</u>	<u>A, N</u>	<u>Field</u>	<u>or A/N</u>	<u>Length</u>	<u>Example, Format or Style</u>
M	PMF Section Header	A/N	12			A constant of "beg_pmf_sect"
M	End of Record Indicator					

**THE FOLLOWING IS THE FORMAT FOR A PMF RECORD:**

<b>M/O</b>	<b>Description</b>	<b>Field Type</b>	<b>Field Length</b>	<b>Example, Fomat, or Style</b>	<b>SHIP Table field name</b>
M	Disposal Turn In Document (DTID) Number	A/N	15	W25G1V9124000 1	DTID_NO
M	BOSS Document Number	A/N	8	9128023	DOCNO
M	Designated TSDF EPA ID number	A/N	12	CAD123456789	DSG_TSDF_E
M	Manifest Document number	A/N	5	98A01	MFST_DOC_N
O	Manifest Page number	A/N	2	1	MFST_PAGE
O	Manifest Line number	A/N	1	A	MFST_LINE
O	Number of Containers	N	4		NUM_CNTRS
O	Container Type	A/N	2	DM, CF, TT	CNTR_TYP
M	Quantity of hazardous waste Picked up	N	6		QTY
M	Unit of measure of hazardous waste	A/N	2	LB, KG, GL, EA	UM
○	Date items were received by the first transporter (pickup date)	D	7	YYYYDDD Julian Date	RECP_DATE
O	Date the "comeback" copy of the Pickup Manifest was received from the Contractor	D	7	YYYYDDD Julian Date	RETRN_DATE
O	State manifest number	A/N	8		STATE_MFST
O	Date the Manifest arrives at the Transfer, Storage or Disposal Facility (TSDF Receipt Date)	D	7	YYYYDDD Julian Date	TSDF_RECIP_
M	End of Record Indicator				

**THE FOLLOWING IS THE FORMAT FOR THE EPA WASTE CODE HEADER:**

<u>M/O</u>	<u>Field Name</u>	<u>A, N or A/N</u>	<u>Field Length</u>	<u>Example, Format or Style</u>
M	EPA Waste Code Subsection Header	A/N	13	A constant of "beg_epa_sect"
M	End Of Record Indicator			

<b>M/O</b>	<b>Description</b>	<b>Field Type</b>	<b>Field Length</b>	<b>Example, Fomat, or Style</b>	<b>SHIP table field name</b>
M	Disposal Turn In Document (DTID) Number	A/N	15	W25G1V91240001	DTID_NO
M	BOSS Document Number	A/N	8	9128023	DOCNO
M	Manifest Document number	A/N	5	98A01	MFST_DOC_N
M	EPA Waste Code	A/N	4	D001, NONE, F005	EPA_HAZ_WS
M	Sequence Number	N		1 = first waste code 2 = second waste code 3 = third waste code etc	SEQ_NO
M	End of record indicator				

**THE FOLLOWING IS THE FORMAT FOR THE EPA WASTE CODE TRAILER:**

<u>M/O</u>	<u>Field Name</u>	<u>A, N or A/N</u>	<u>Field Length</u>	<u>Example, Format or Style</u>
M	EPA Waste Code Subsection Trailer	A/N	13	A constant of "end_epa_sect"
M	End Of Record Indicator			

**THE FOLLOWING IS THE FORMAT FOR THE EPA HANDLING CODE HEADER:**

<u>M/O</u>	<u>Field Name</u>	<u>A, N or A/N</u>	<u>Field Length</u>	<u>Example, Format or Style</u>
M	EPA Handling Code Subsection Header	A/N	14	A constant of "beg_hndl_sect"
M	End Of Record Indicator			

<b>M/O</b>	<b>Description</b>	<b>Field Type</b>	<b>Field Length</b>	<b>Example, Fomat, or Style</b>	<b>SHIP table Name</b>
M	Disposal Turn In Document (DTID) Number	A/N	15	W25G1V91240001	DTID_NO
M	BOSS Document Number	A/N	8	9128023	DOCNO
M	Manifest Document number	A/N	5	98A01	MFST_DOC_N
M	Three position EPA Handling Code (40 CFR 264/5)	A/N	3	S01, S02, D80, T81	HDL_CDS
M	Sequence Number	N		1 = first handling code 2 = second handling code 3 = third handling code etc	SEQ_NO
M	End of Record Indicator				

**THE FOLLOWING IS THE FORMAT FOR THE EPA HANDLING CODE TRAILER:**

<u>M/O</u>	<u>Field Name</u>	<u>A, N or A/N</u>	<u>Field Length</u>	<u>Example, Format or Style</u>
M	EPA Handling Code Subsection Trailer	A/N	14	A constant of "end_hndl_sect"
M	End Of Record Indicator			

**THE FOLLOWING IS THE FORMAT FOR THE TRANSPORTATION DATA HEADER:**

<u>M/O</u>	<u>Field Name</u>	<u>A, N or A/N</u>	<u>Field Length</u>	<u>Example, Format or Style</u>
M	Transportation Subsection Header	A/N	14	A constant of "beg_tran_sect"
M	End Of Record Indicator			

<b>M/O</b>	<b>Description</b>	<b>Field Type</b>	<b>Field Length</b>	<b>Example, Fomat, or Style</b>	<b>SHIP table Name</b>
M	Disposal Turn In Document (DTID) Number	A/N	15	W25G1V91240001	DTID_NO
M	BOSS Document Number	A/N	8	9128023	DOCNO
M	Manifest Document number	A/N	5	98A01	MFST_DOC_N
M	Transporter EPA Identification number	A/N	12	CAD123456789	TNSP_EPA_N
M	Date items were received by transporter	D	7	YYYYDDD Julian Date	RECP_DATE
M	Sequence Number	N		1 = first transporter 2 = second transporter 3 = third transporter etc	SEQ_NO
M	End of record indicator				

**THE FOLLOWING IS THE FORMAT FOR THE TRANSPORTATION DATA TRAILER:**

<u>M/O</u>	<u>Field Name</u>	<u>A, N or A/N</u>	<u>Field Length</u>	<u>Example, Format or Style</u>
M	Transportation Subsection Trailer	A/N	14	A constant of "end_tran_sect"
M	End Of Record Indicator			

**THE FOLLOWING IS A FORMAT FOR THE PMF SECTION TRAILER:**

<u>M/O</u>	<u>Field Name</u>	<u>A, N or A/N</u>	<u>Field Length</u>	<u>Example, Format or Style</u>
M	PMF Section Trailer	A/N	12	A constant of "end_pmf_sect"
M	End of Record Indicator			

**THE FOLLOWING IS THE FORMAT FOR THE CONTAINER DATA HEADER:**

<u>M/O</u>	<u>Field Name</u>	<u>A, N</u>	<u>Field</u>	<u>or A/N</u>	<u>Length</u>	<u>Example, Format or Style</u>
M	Container Section Header	A/N			14	A constant of "beg_cont_sect"
M	End Of Record Indicator					

<b>M/O</b>	<b>Description</b>	<b>Field Type</b>	<b>Field Length</b>	<b>Example, Fomat, or Style</b>	<b>SHIP table Name</b>
M	Disposal Turn In Document (DTID) Number	A/N	15	W25G1V91240001	DTID_NO
M	Container Number	A/N	15	W25G1K000100001	
O	Container Quantity	N	6	123456	
O	Site Location	A/N	2	Z#	
O	Location	A/N	9	H010201A0	
M	End of record indicator				

**THE FOLLOWING IS THE FORMAT FOR THE CONTAINER DATA TRAILER:**

<u>M/O</u>	<u>Field Name</u>	<u>A, N</u>	<u>Field</u>	<u>or A/N</u>	<u>Length</u>	<u>Example, Format or Style</u>
M	Container Section Trailer	A/N			14	A constant of "end_cont_sect"
M	End Of Record Indicator					