

## **GENERATOR COMMUNICATIONS INTERFACE STANDARD 5.0.0**

**The attached interface standard replaces GENCOMM Version 5.0.0, dated 7/10/98. All changes from version 5.0.0 are in red typeface.**

### **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). DRMO's 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. Currently, DRMO personnel must enter receipt data into DAISY and for HW, they enter much of the same information into BOSS for HW Delivery Orders.

### **THE SHIP:**

DRMS is developing 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, facilitates BOSS data entry and creates many HW reports which are hand written/typed today.

### **GENERATOR COMMUNICATIONS - GENCOMM:**

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.

### **WHY GENCOMM?:**

- Expedite the transfer of accountability from the Generator to the DRMO.
- Expedite the ultimate disposal of hazardous waste from the DOD supply chain.
- Reduce keystroke errors and lower data entry costs.
- Save on mail costs.
- Decrease paper handling.
- First step on the road to a paperless environment (EDI X12 - Electronic Data Interchange).
- Generators will retain the choice of using current methods or using the electronic method.

#### **HOW WILL IT WORK?:**

- Generator receives GENCOMM login and password to DRMO DAISY from their DRMO.
- Generator 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 and can read log files of successful/unsuccessful processing.

**FILE FORMAT FOR GENERATOR COMMUNICATIONS**  
**(Version 5.0.1, 11/06/1999)**

1 Initially, the capability to electronically provide the DRMO with information about hazardous waste turn-in's will be limited to the following data; Waste Profile Sheet (WPS) and Disposal Turn In Document (DTID).

2. 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.

2.1 The required outline is as follows:

1. File Header
2. WPS Section, if any
3. DTID Section, if any

2.2 Each WPS section is outlined as follows:

1. WPS Section Header
2. WPS Subsection(s), if any
3. WPS Section Trailer

2.2.1 Each WPS Subsection is outlined as follows:

1. WPS Record
2. Chemical Composition Subsection, if any
3. EPA Waste Number Subsection, if any.

2.2.2 Each Chemical Composition Subsection is outlined as follows:

1. Chemical Composition Section Header
2. Chemical Composition Record(s)
3. Chemical Composition Section Trailer.

2.2.3 Each EPA Waste Number Subsection is outlined as follows:

1. EPA Waste Number Subsection Header
2. EPA Waste Number Record(s)
3. EPA Waste Number Subsection Trailer.

2.3 Each DTID section is outlined as follows:

1. DTID Section Header
2. DTID Subsection(s), if any
3. DTID Section Trailer.

2.3.1 Each DTID Subsection is outlined as follows:

1. DTID Record
2. DTID Container Subsection, if any
3. DTID EPA Waste Code Subsection, if any
4. DTID State Waste Code Subsection, if any

2.3.2 Each DTID Container Subsection is outlined as follows:

1. DTID Container Subsection Header
2. DTID Container Record(s)
3. DTID Container Subsection Trailer.

2.3.3 Each DTID Container Subsection is outlined as follows:

1. DTID EPA Waste Code Subsection Header
2. DTID EPA Waste Code Record(s)
3. DTID EPA Waste Code Subsection Trailer.

2.3.4 Each DTID State Waste Code Subsection is outlined as follows:

1. DTID State Waste Code Subsection Header
2. DTID State Waste Code Record(s)
3. DTID State Waste Code Subsection 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).



O	Generator State ID	A/N	13	0	
M	Technical Contact	A/N	30	2	
O	Technical Title	A	30	0	
M	Technical Phone	A/N	21	4	XXX(NNN)NNN-NNNNxNNNN
O	Profile Established Date	N	7	0	Julian YYYYDDD
O	Name of Waste	A/N	60	0	
O	Process Generating Waste	A	60	0	
O	Projected Annual Volumes	N	10.4	0	NNNNNNNNNN.NNNN
O	Projected Annual Units	A	10	0	
O	Mode of Collection	A	15	0	
O	Dioxin Waste ?	A	1	0	Y/N
O	Land Disposal Restrictions ?	A	1	0	Y/N
O	Exemption Granted ?	A	1	0	Y/N
O	Meets Treatment Standards ?	A	1	0	Y/N
O	Treatment Standard Reference	A	30	0	
O	Color	A	30	0	
O	Density	N	3.3	0	NNN.NNN
O	BTU/LB	N	10	0	NNNNNNNNNN
O	Total Solids	N	3.2	0	This will contain a percent.
O	Ash Content	N	3.2	0	This will contain a percent.
O	Layering	A	12	0	MULTILAYERED, BILAYERED, SINGLE PHASE
O	Physical State	A	10	0	SOLID, LIQUID, SEMISOLID, GAS, OTHER
O	Treatment Group	A	1	0	W,N (W= Wastewater, N=Nonwastewater)
O	Ignitable (D001) ?	A	1	0	Y/N
O	Flash Point (F)	A/N	9	0	
O	High Toc (> 10 %)	A	1	0	Y/N
O	Low Toc (< 10 %)	A	1	0	Y/N
O	Reactive (D003) ?	A	1	0	Y/N
O	Water Reactive ?	A	1	0	Y/N
O	Cyanide Reactive ?	A	1	0	Y/N
O	Sulfide Reactive ?	A	1	0	Y/N
O	Corrosive (D002) ?	A	1	0	Y/N
<b>O</b>	<b>Ph</b>	<b>A/N</b>	<b>8</b>	<b>0</b>	<b>Example: &gt;= 12.5</b>
O	Toxicity Characteristic ?	A	1	0	Y/N
O	Corrodes Steel ?	A	1	0	Y/N
O	Copper Quantity	N	V	0	
O	Copper Units	A/N	3	0	
O	Phenolics Quantity	N	V	0	
O	Phenolics Units	A/N	3	0	
O	Nickel Quantity	N	V	0	
O	Nickel Units	A/N	3	0	
O	Total Halogens Quantity	N	V	0	
O	Halogens Units	A/N	3	0	

O	Zinc Quantity	N	V	0	
O	Zinc Units	A/N	3	0	
O	Volatile Organics Qty	N	V	0	
O	Volatile Organics Units	A/N	3	0	
O	Chromium Hex Quantity	N	V	0	
O	Chromium Units	A/N	3	0	
O	PCB Quantity	N	V	0	
O	PCB Units	A/N	3	0	
O	(Other) Description	A/N	30	0	
O	Other Quantity	N	V	0	
O	Other Units	A/N	3	0	
O	Dot Hazardous Material ?	A	1	0	Y/N
O	Proper Shipping Name	A/N	120	0	
O	Hazard Class	A/N	18	0	
O	UN or NA Number	A/N	6	0	
O	Additional Description	A/N	60	0	
O	Method of Shipment	A/N	30	0	BULK, DRUM or OTHER (Describe)
O	CERCLA Reportable Qty (RQ)	N	5	0	
O	CERCLA Unit of Issue	A/N	5	0	
O	Packing Group	A	3	0	
O	Emerg Resp Guide Page No	N	4	0	
O	Edition (yr)	N	4	0	
O	Special Handling Info	A/N	90	0	
O	Basis For Information	A	4	0	USER for user knowledge LAB for chemical analysis
O	RCRA Requirements	A	255	0	
O	Addl RCRA Requirements	A	255	0	
O	Certifier Name	A	45	0	
M	End Of Record Indicator				

**THE FOLLOWING IS THE FORMAT FOR THE CHEMICAL COMPOSITION HEADER:**

M/O	Field Name	A, N or A/N	Field Length	Min Field Length	Example, Format or Style
M	Composition Subsection Header	A/N	13	13	A constant of "beg_comp_sect"
M	End of Record Indicator				

**THE FOLLOWING IS THE FORMAT FOR THE CHEMICAL COMPOSITION RECORD:**

M/O	Field Name	A, N or A/N	Field Length	Min Field Length	Example, Format or Style
M	Chemical Name	A	60	2	
M	Chemical Concentration	A/N	10	1	
M	Chemical Range	A	30	2	
M	CAS Number	A/N	11	2	Chemical Abstract Service Number
M	End of Record Indicator				

**THE FOLLOWING IS THE FORMAT FOR THE CHEMICAL COMPOSITION TRAILER:**

M/O	Field Name	A, N or A/N	Field Length	Min Field Length	Example, Format or Style
M	Composition Subsection Trailer	A/N	13	13	A constant of "end_comp_sect"
M	End Of Record Indicator				

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

M/O	Field Name	A, N or A/N	Field Length	Min Field Length	Example, Format or Style
M	EPA Waste No Subsect Header	A/N	12	12	A constant of "beg_ewn_sect"
M	End Of Record Indicator				

**THE FOLLOWING IS THE FORMAT FOR THE EPA WASTE NUMBER RECORD:**

M/O	Field Name	A, N or A/N	Field Length	Min Field Length	Example, Format or Style
M	EPA HW Number	A/N	4	4	EPA HW Number i.e. D001
M	Range	N	20	2	Range of concentration
M	EPA Units	A/N	5	2	
M	End of Record Indicator				

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

M/O	Field Name	A, N or A/N	Field Length	Min Field Length	Example, Format or Style
M	EPA Waste No Subsect Trailer	A/N	12	12	A constant of "end_ewn_sect"
M	End of Record Indicator				

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

<b>M/O</b>	<b>Field Name</b>	<b>A, N or A/N</b>	<b>Field Length</b>	<b>Min Field Length</b>	<b>Example, Format or Style</b>
M	WPS Section Trailer	A/N	12	12	A constant of "end_wps_sect"
M	End of Record Indicator				

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

<b>M/O</b>	<b>Field Name</b>	<b>A, N or A/N</b>	<b>Field Length</b>	<b>Min Field Length</b>	<b>Example, Format or Style</b>
M	DTID Section Header	A/N	12	12	A constant of "beg_dtid_sect"
M	End of Record Indicator				

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

<b>M/O</b>	<b>Field Name</b>	<b>A, N or A/N</b>	<b>Field Length</b>	<b>Min Field Length</b>	<b>Example, Format or Style</b>
M	Federal Supply Class	N	4	4	
M	NIIN/Local Stock Number	A/N	9	5	
O	Additional Data	A/N	2	0	
M	Document Number	A/N	15	14	Disposal Turn In Document Number
M	Unit of Issue	A	2	2	
M	Quantity	N	5	1	
O	Disposal Authority Cd	A	1	0	M=Approved, N=Not Reqd., R=Auth. Received
M	Hazardous Waste/Mat Code	A	1	1	"W" for hazardous and non-regulated waste, "M" for hazardous material, and "N" for all other property turn-ins to DRMO
M	Unit Price	N	5.2	1	NNNNN.NN (Acquisition Unit Price)
M	item Nomenclature	A/N	60	2	
M	Supply Condition Code	A	1	1	
M	Demil Code	A	1	1	
O	Accumulation Start Date	N	7	0	Julian Date i.e. 1994320
O	Waste Profile Sheet No	A/N	11	0	
O	MSDS Number	A/N	15	0	
O	Recpt Manifest Number	A/N	17	0	
O	Type of Container	A/N	60	0	
O	Total Wt/Vol	N	6	0	
O	Wt/Vol Code	A	1	0	P= Pounds, T= Short Tons (2000 LB),

					G= Gallons, Y= Cubic Yards, K= Kilograms, M= Tonnes (1000KG), L= Litres, C= Cubic Meters
O	Org Code	A/N	6	0	
O	Building	A/N	6	0	
O	Type Operation	A	60	0	i.e. Motor Pool, Spill Residue, Degreasing etc.
M	Contact Name	A	18	4	
M	Contact Phone	A/N	21	4	
O	Waste Description line 1	A/N	60	0	
O	Waste Description line 2	A/N	60	0	
O	Waste Description line 3	A/N	60	0	
O	Waste Description line 4	A/N	60	0	
O	Contract Number	A/N	13	0	
O	CLIN/HIN	A/N	6	0	
M	Total Disposal Cost	N	5.2	4	NNNNN.NN
M	Fund Code	A/N	2	2	
O	Bill to DoDAAC	A/N	6	0	
O	Pickup DoDAAC	A/N	6	0	
O	Number of Containers	N	4	0	Count of containers in DTID
M	End of Record Indicator				

**THE FOLLOWING IS THE FORMAT FOR A DTID CONTAINER HEADER:**

M/O	Field Name	A, N or A/N	Field Length	Min Field Length	Example, Format or Style
M	Container Subsection Header	A/N	13	13	A constant of "beg_cont_sect"
M	End of Record Indicator				

**THE FOLLOWING IS THE FORMAT FOR A DTID CONTAINER RECORD:**

M/O	Field Name	A, N or A/N	Field Length	Min Field Length	Example, Format or Style
M	Document Number	A/N	15	14	Disposal Turn In Document Number
M	Container Number	A/N	15	4	Alias "Drum Number"
O	Storage Location Code	A/N	9	0	Location within the building
O	Container wt/vol	N	6	0	
O	Accumulation Start Date	N	7	0	Julian Date i.e. 1994320
M	End of Record Indicator				

**THE FOLLOWING IS THE FORMAT FOR A DTID CONTAINER TRAILER:**

<b>M/O</b>	<b>Field Name</b>	<b>A, N or A/N</b>	<b>Field Length</b>	<b>Min Field Length</b>	<b>Example, Format or Style</b>
M	Container Subsection Trailer	A/N	13	13	A constant of "end_cont_sect"
M	End of Record Indicator				

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

<b>M/O</b>	<b>Field Name</b>	<b>A, N or A/N</b>	<b>Field Length</b>	<b>Min Field Length</b>	<b>Example, Format or Style</b>
M	EPA Waste Code Subsection Header	A/N	16	16	A constant of "beg_dtidepa_sect"
M	End of Record Indicator				

**THE FOLLOWING IS THE FORMAT FOR A DTID EPA WASTE CODE RECORD:**

<b>M/O</b>	<b>Field Name</b>	<b>A, N or A/N</b>	<b>Field Length</b>	<b>Min Field Length</b>	<b>Example, Format or Style</b>
M	Document Number	A/N	15	14	Disposal Turn In Document Number
M	DTID EPA Waste Codes	A/N	4	4	EPA waste code for DTID
M	End of Record Indicator				

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

<b>M/O</b>	<b>Field Name</b>	<b>A, N or A/N</b>	<b>Field Length</b>	<b>Min Field Length</b>	<b>Example, Format or Style</b>
M	EPA Waste Code Subsection Trailer	A/N	16	16	A constant of "end_dtidepa_sect"
M	End of Record Indicator				

**THE FOLLOWING IS THE FORMAT FOR A DTID STATE WASTE CODE HEADER:**

<b>M/O</b>	<b>Field Name</b>	<b>A, N or A/N</b>	<b>Field Length</b>	<b>Min Field Length</b>	<b>Example, Format or Style</b>
M	State Waste Code Subsection Header	A/N	16	16	A constant of "beg_dtidsta_sect"
M	End of Record				

	Indicator				
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**THE FOLLOWING IS THE FORMAT FOR A DTID STATE WASTE CODE RECORD:**

<b>M/O</b>	<b>Field Name</b>	<b>A, N or A/N</b>	<b>Field Length</b>	<b>Min Field Length</b>	<b>Example, Format or Style</b>
M	Document Number	A/N	15	14	Disposal Turn In Document Number
M	DTID State Waste Codes	A/N	10	4	State waste code for DTID
M	End of Record Indicator				

**THE FOLLOWING IS THE FORMAT FOR A DTID STATE WASTE CODE TRAILER:**

<b>M/O</b>	<b>Field Name</b>	<b>A, N or A/N</b>	<b>Field Length</b>	<b>Min Field Length</b>	<b>Example, Format or Style</b>
M	State Waste Code Subsection Trailer	A/N	16	16	A constant of "end_dtidsta_sect"
M	End of Record Indicator				

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

<b>M/O</b>	<b>Field Name</b>	<b>A, N or A/N</b>	<b>Field Length</b>	<b>Min Field Length</b>	<b>Example, Format or Style</b>
M	DTID Section Trailer	A/N	13	13	A constant of "end_dtid_sect"
M	End of Record Indicator				