



EXPORTING HLMS DATA

This section describes the procedure to export your HLMS data to other systems.

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EXPORTING YOUR HLMS DATA

The HLMS data files use a proprietary format which may not be directly exported to other systems. Therefore to interface your information to other systems you must export the data in a format suitable for the application in question.

There are several methods for exporting HLMS Data which are outlined below. In this discussion it will refer to 3 main types of data files which are explained in order of preference below :

dBase Format

This is a common database format that will allow you to import directly into most PC applications without losing the original format of the data.

ASCII Delimited

This is a text file where every field (item) is separated by a delimiter (usually a tab, or comma with inverted commas), and each record (database entry) is on a separate line.

The result would look something like this:

```
"Igor" ,"Stravinsky" ,"1882" ,"1971"  
"Hubert" ,"Stuppner" ,"1944" ," "
```

Notice that if the field is empty, the commas must still be included.

When using this format, you must know the order of the fields in the list.

ASCII Fixed Length

This is a text file where every field (item) is a fixed length and each record (database entry) is on a separate line.

The result would look something like this:

```
Igor           Stravinsky           18821971  
Hubert        Stuppner             1944
```

Notice that if the field is empty, the field is full of spaces to make up the correct length.

When using this format, you must know the order of the fields in the list, and the length of each field.

USING THE HLMS EXPORT FEATURE

HLMS has a special Export feature which may be found on the HLMS Server's **Maintenance Menu** under 8. Database Maintenance in the options 5. Export Database Definition and 6. Export Database. With this option you may create either dBase or ASCII Fixed Length export files.

The use of this feature is usually a two-step process:

1. Create an Export Definition File - this defines exactly what information should be sent to the export file. The Export Definition File **MUST** be created before you can export any data.
2. Export the information for those procedures where the information is not automatically exported.

AVAILABLE EXPORT DEFINITIONS

Selecting 5. Export Database Definition will provide you with a list of Export Definitions

1. Invoice/Credit

This export definition will automatically copy the information you require to a file whenever a credit or invoice is printed. If you wish to interface HLMS with an accounting/royalty package, then this is the definition to use.

2. New/Edit/Delete Stock

This export definition will automatically copy any changes to the Stock (Composer, Work, Set) to a file. If you wish HLMS to copy any changes to titles to a royalty package, then this is the definition to use.

3. New/Edit/Delete Account

This export definition will automatically copy any changes to the Client listing to a file. If you wish HLMS to copy any changes to your client list to an accounting package, then this is the definition to use.

4. HLMS Database

These are straight copies of the entered HLMS data. To export this information, after creating the Export Definition File, you must run the Export Database routine from the Maintenance Menu. The options here are as follows:

1. Composer Database
2. Work Database
3. Set Database
4. Client Database
5. Transaction Database
6. History Files

SETTING UP AN EXPORT DATABASE DEFINITION

First select the Export Database definition you want to set up.

Note: If you have previously set up a definition file, the export file must be empty or removed to continue.

You must now enter the following information:

Filename

The name of the file you want the information to be written to. If the file format is dBase, it will automatically have the DBF extension.

This may NOT be left blank.

There are special macros you can insert into the name for HLMS to create a new file every day (%D), month (%M) or year (%Y).

For example, if you enter the filename INV%M%Y.TXT, the name of the Export file on November 20, 1998 will be INV1198.TXT.

Location

The location of file you want to write to. If no location is entered, the \HLMS\DATA directory is assumed.

File Format

Type **D** for dBase Format and **A** for ASCII Fixed Length.

Date Format

This is required only for ASCII Fixed Length files. The format will default to the HLMS defined date format, but you may change it to any other type that uses the DD (Day) MM (Month) YYYY (Year) format. Most accounting systems save dates in the YYYYMMDD format.

After this information entered, the information available for your Export Definition is displayed. For ASCII Fixed Length, you will see a list of the Format Codes which were discussed in *Appendix I HLMS Forms*. If dBase format was selected, you will see names of the Database fields which are explained in greater detail at the end of the Appendix.

You may scroll through this list and select the fields you want to include by pressing the <Enter> key. The order of the fields you have selected is listed on the left-hand side and the total number of defined fields is listed in the bottom left corner of the screen.

When you press <Enter>, you will be presented with a new screen.

If you are editing an ASCII Fixed Length Field list you may enter a True/False statement in the same manner as outlined in *Page Layout* Section of Section 3 *Setting up HLMS*. Then you are required to enter the fixed length you require (in characters).

If you are editing a dBase Form, you may enter the destination field name (the default is the HLMS field name). If you selected one of the special USER fields, you will also have to enter the type of the field. These User fields are to allow you to add you own data to the resulting database file after it has been created and is useful for such things as recording the date the information was transferred.

When you have finished entering the information, the field the selection will have the number of the order of the field of the entered item.

If you want to remove an entered selection, simply enter 0 for the length (for ASCII Fixed Length) or press <Enter> for dBase format.

There is a special TYPE field for the 2. New/Edit/Delete Stock and 3. New/Edit/Delete Account options. This will insert the character E for Edit, A for Append, D for Delete according to the operation in progress.

When you have finished, press the <Esc> key and answer the prompt to save your changes.

EXPORTING YOUR DATA

When the Export Database Definition files have been set up, the data will be automatically copied for the Invoice/Credit, New/Edit/Delete Stock and New/Edit/Delete Account options. All other export definitions are performed via the 6. Export Database option of the Database Maintenance Menu (under Maintenance on the HLMS server).

Note: HLMS performs no file management on these export files - the information is simply copied to the end of the file if it exists, or a new file is created if it does not. Some operations such as the Invoice/Credit routine will not allow users to proceed if access to the Export file is not available, and so any manipulation of this file should be carried out at a time when HLMS is unlikely to be accessing the files.

USING HLMS FORMS TO EXPORT DATA

Another method to export information is through standard HLMS Forms. Through this method you can easily create ASCII Delimited or Fixed Length Fields. This is the best method for exporting information such as Performance information

To do this you must have not already used the secondary form. Open this up via the Edit Forms Specifications option (outlined in Section 3) and make delete any other information entered. Now insert each format code ON THE SAME LINE.

If you want to use the ASCII Delimited Option, surround the format code with the necessary delimiters and answer **Yes** to the *Do you wish to remove leading and trailing blanks?* To insert a Tab delimiter use the special format code Printer Code {#1} and when prompted, insert a 9 (which is the ASCII number for a Tab).

If you want to use the ASCII Fixed Length Option, the form may not be defined as a letter, and answer **No** to the *Do you wish to remove leading and trailing blanks?*

When you print these files, don't forget to print the information to a file by selecting the F)ile option at the Print Menu.

OTHER HLMS EXPORT OPTIONS

Special export filters can be customised by BTM Innovation. An example of this is the Performance to HTML export fileter that allows you to export your performance information directly into a format that can be used on the Web.

For more details, please contact us.

HLMS DATABASE FILE FORMATS

The following list is for your information only. The actual size of the fields of type V may vary considerably. Some fields also have dual purposes. Please contact BTM Innovation for any specific information.

COMPOSER.DBF

1	COMPCODE	C	(4)	
2	SURNAME	C	(25)	
3	FIRSTNAME	C	(25)	
4	BORN	N	(5)	Year is negative if a circa date (ie -1500 = c.1500)
5	DIED	N	(5)	Year is negative if a circa date (ie -1500 = c.1500)
6	REGION	C	(2)	A character code representing the regions
7	HF_PERC	N	(6. 2)	The retained Hire % for this composer
8	PF_PERC	N	(6. 2)	The retained Performance % for this composer
9	COPYRIGHT	L	(1)	Copyright Status (T True/ F False)

WORKS.DBF

1	WORKNO	C	(6)	
2	COMPCODE	C	(4)	
3	EDNAME	C	(25)	Editor/arranger Name
4	TITLE	C	(35)	
5	SUBTITLE	C	(35)	
6	PUBCODE	C	(3)	3-letter Publisher Code
7	DURATION	N	(4)	Is negative if a circa duration (ie -15 = c.15')
8	DESCRIPT	V	(30)	The work description
9	ORCH	M	(10)	The orchestration/notes field
10	LOCATION	C	(15)	
11	COPYRIGHT	L	(1)	Copyright Status (T True/ F False)
12	HF_PERC	N	(6. 2)	The retained Hire % for this work
13	PF_PERC	N	(6. 2)	The retained Performance % for this work
14	COMPDATE	C	(15)	Composition Date
15	OPUS	C	(15)	

HIRE.DBF

1	COMPCODE	C	(4)	
2	WORKNO	C	(6)	
3	SET	C	(4)	
4	FS	N	(4)	Full Scores
5	MS	N	(4)	Mini Scores
6	VLN1	N	(4)	Violin 1
7	VLN2	N	(4)	Violin 2
8	VLA	N	(4)	Viola
9	VLC	N	(4)	Cello
10	BASS	N	(4)	Double Bass
11	WS	N	(4)	Number of Wind Sets
12	AS	N	(4)	Number of wind, brass and percussion in Wind Set
13	VS	N	(5)	Vocal Scores
14	LANGUAGE	C	(3)	Single-letter language codes
15	CS_S	N	(5)	Soprano Choral Scores
16	CS_A	N	(5)	Alto Choral Scores
17	CS_T	N	(5)	Tenor Choral Scores
18	CS_B	N	(5)	Bass Choral Scores
19	CS_CH	N	(5)	Children Choral Scores
20	OTHER1	V	(16)	Other Instrument 1 Description
21	NOTHER1	N	(4)	Other Instrument 1 #
22	OTHER2	V	(16)	Other Instrument 2 Description
23	NOTHER2	N	(4)	Other Instrument 2 #
24	OTHER3	V	(16)	Other Instrument 3 Description
25	NOTHER3	N	(4)	Other Instrument 3 #
26	OTHER4	V	(16)	Other Instrument 4 Description
27	NOTHER4	N	(4)	Other Instrument 5 #
28	D_ORDERED	D	(8)	Date Ordered
29	TRANSNO	N	(6)	Transaction Number
30	MPARTS	C	(1)	Character - M)issing Parts N)otes
31	MPARTLST	V	(6)	Missing Parts/Notes content
32	CONDITION	N	(1)	Condition - 1 (New) to 5 Poos
33	SUBLOC	C	(15)	Location
34	LABEL	C	(30)	Set Description

CLIENTS.DBF

1	ACCOUNT	C	(8)	Account Number
2	NAME	C	(30)	
3	POSITION	C	(30)	
4	COMPANY	C	(30)	
5	ADDRESS1	C	(30)	
6	ADDRESS2	C	(30)	
7	CITY	C	(30)	
8	STATE	C	(7)	
9	POSTCODE	C	(10)	
10	COUNTRY	C	(30)	
11	AREA_CODE	C	(10)	Telephone/Fax Area Code
12	PHONE	C	(10)	
13	FAX	C	(10)	
14	PADD1	C	(35)	Postal Address Line 1
15	PADD2	C	(35)	Postal Address Line 2
16	PADD3	C	(35)	Postal Address Line 3
17	PADD4	C	(35)	Postal Address Line 4
18	PADD5	C	(35)	Postal Address Line 5
19	CHCODE	C	(2)	Charge Code
20	TAX	L	(1)	Tax Status (True/False)
21	ISNOTES	N	(1)	Customer Notes (0-None,1-Normal,2-Priority)
22	NOTES	V	(16)	Customer Notes
23	SAL	C	(30)	Salutation
24	REF	C	(8)	Reference
25	PREPAYMENT	L	(1)	Prepayment Required (True/False)
26	MMETHOD	C	(30)	Default Dispatch Method
27	SPARE	C	(30)	Spare Field (used for email address)

REPORT.DBF

1	TRANSNO	N	(6)	
2	COMPCODE	C	(4)	
3	WORKNO	C	(6)	
4	SET	C	(4)	
5	ACCOUNT	C	(8)	
6	PERFS	N	(3)	No of Performances
7	DTFIRST	D	(8)	Date of First Performance
8	DTLAST	D	(8)	Date of Last Performance
9	DTREQ	D	(8)	Date Required
10	HF	N	(12.2)	Charge Field 1 amount
11	HFVS	N	(12.2)	Charge Field 2 amount
12	COMM	N	(12.2)	Charge Field 3 amount
13	POST	N	(12.2)	Charge Field 4 amount
14	COURIER	N	(12.2)	Charge Field 5 amount
15	OTHER	C	(20)	User-defined description
16	OTH_AMT	N	(12.2)	User-defined amount
17	OTH_TYPE	C	(2)	User-defined type
18	PFDESC	C	(20)	Special User-defined description
19	PFDET	C	(36)	Special User-defined details
20	PF	N	(12.2)	Special User-defined amount
21	PFREQ	C	(2)	Special User-defined type
22	ORDERNO	C	(20)	Order Number
23	PERFDET	M	(10)	Performance Details
24	INVOICE	N	(7)	
25	CREDIT	N	(7)	
26	INVDATA	D	(8)	Invoice Date
27	HCNO	N	(7)	Hire Contract No.
28	DTSENT	D	(8)	Date Sent
29	DTRET	D	(8)	Date Returned
30	LTRET	D	(8)	Date Late Return Letter issued
31	MPARTS	N	(5)	Missing Parts Number (not used)
32	STMT	L	(1)	Copied to History (True/False)
33	MMETHOD	C	(30)	Method of dispatch
34	FORWARD	N	(6)	Next forward order
35	PUBCODE	C	(3)	Publisher Code for purging
36	TAX	N	(12.2)	Amount of Tax Charged
37	DTPAID	D	(8)	Date Invoice/Credit Paid
38	EDITDATE	D	(8)	Date Last Edited
39	TAXPERC	N	(5.2)	Tax Percentage