Customizing Fabrication Status Reports

To get status reports the way you want them, the first step is to get the parameters you want into the status table.

The first 21 columns of the fabrication status table are fixed; the final fixed column has the header "Complete date". The remaining columns can be customized by entering the desired headers under Master Files/Fabrication Status.

Hydrotest	Hydro date	PWHT.	PWHT date	Complete date	DIComplete	Fab Location	Cut Date
NO HYDRO		none			GREY		
NO HYDRO		none			GREY		

Fig.1 Excerpt from Fabrication Status Table

StatusMaster.ac2

File   Utilities

Status Fields

		Description	In Use?
1	Field 1	DIComplete	X
2	Field 2	Fab Location	X
3	Field 3	Cut Date	X
4	Field 4	Fab. S.B. Comp. Date	X
5	Field 5	S.B. Weld Comp. Date	X

Fig. 2 Corresponding Entries in Fabrication Status master file.

In the example above, "DIComplete" is a reserved header. You should not normally enter anything in this column of the status table manually, as it will be updated automatically each time a spool is saved. DIComplete is the sum of the diameter inches for all those visible welds on the spool for which a welderID has been entered.

A complete list of reserved headers is shown in Table 1 below. Reserved headers are not case-sensitive.
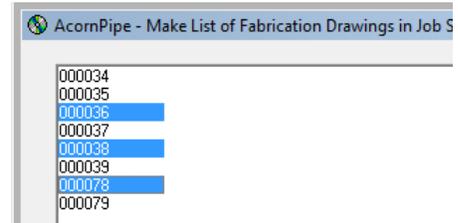
Table 1
List of Reserved Headers

Reserved Header	Description of Parameter
DICOMPLETE	The total diameter inch count for welds for which a welderID has been entered. Note that Dia-Inch is always present as column 9.
%COMPLETE	DICOMPLETE expressed as a percentage of Dia-Inch.
FROM ISO	When an IDF or PCF file is imported to create an installation drawing and is then split into spools, this automatically enters the number of the original isometric into the status table.
PRICE	The total price of materials, autolabor, and extra labor. (See PRICE and INVOICE on the next page.)
INVOICE	An invoice number, usually common to several spools.
FIT DATE	The earliest fit date entered for any weld in the spool.
WELD DATE	The earliest weld date entered for any weld in the spool.
FINAL WELD DATE	The latest weld date entered for any weld in the spool
FINAL FIT DATE	The latest fit date entered for any weld in the spool.
MAXNPS	The largest Nominal Pipe Size used on the spool. Items with zero quantity (e.g. an existing header) are ignored in determining MAXNPS.
LENGTHFT	The total length in feet of pipe and fittings having a size of MAXNPS. This is rounded to the nearest foot, except that any nonzero length less than one foot is rounded up to one foot.
TOTALFT	The total length in feet of all pipe and fittings regardless of size, rounded up to the next foot. Excludes items with zero quantity.
LINENO	The PIPELINE-REFERENCE parameter as read from a PCF file. (Added in ver 8-609.)
REVNAME	The revision number assigned by the user, can be up to five characters. (Added in ver 8-688.)
FABCODE	The fabrication code associated with the spec. Typical values are ASME B31.3, B31.1 etc.

One other way you can arrange for a column to populate automatically is set up an extra drawing item whose title is the same as the header. For example, in the example shown, if you have an extra drawing entry called "Fab Location", the corresponding entry will appear in that column.

Usually columns with headers like "Fab.Comp. Date" or "PT Comp. Date" are not set up to be updated via Extra Drawing Information. Usually these columns are either updated manually by typing directly into the table, or they are updated using data from a Videx bar code reader.

PRICE and INVOICE

The reserved headers PRICE and INVOICE are different from the others in that they do not update the status table each time the drawing is saved.They are only updated when batch mode is used. For example, if you are invoicing for spools 36, 38 and 78, you first select File | Make New List and select only those three drawings.

Then select File | Batch Operation, check the two boxes as shown, and enter the desired invoice number, shown here as 678.
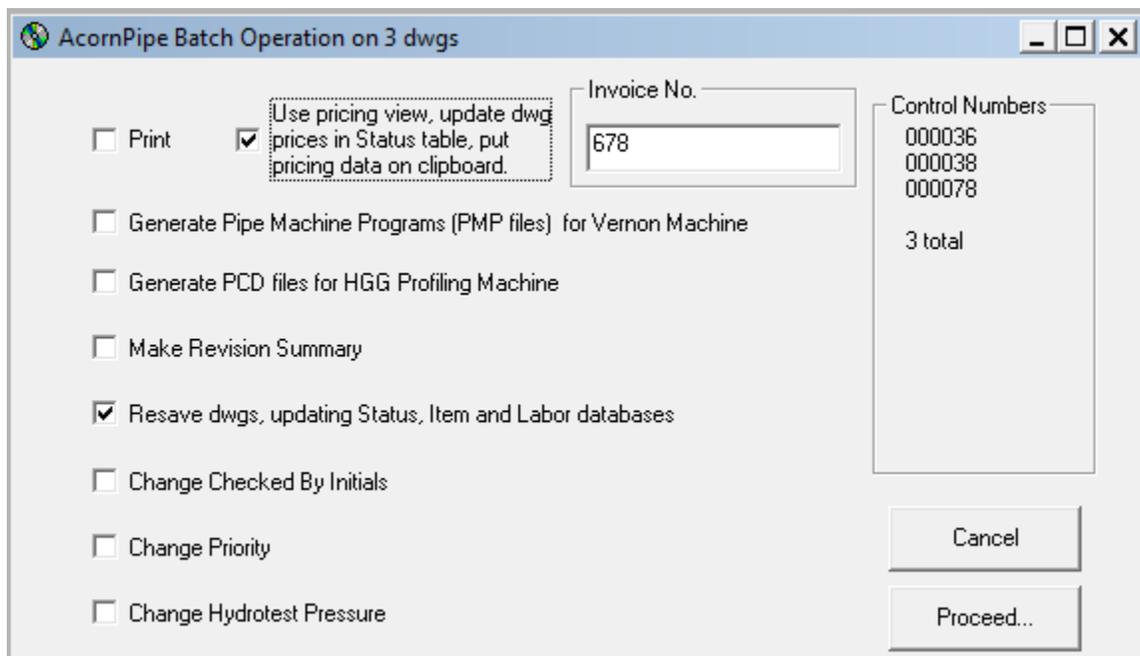
When the batch runs, the prices of spools 36, 38 and 78 will be written to the PRICE column in the status table and the invoice number to the INVOICE column. At the same time, the pricing details are placed on the clipboard and are available for pasting to Excel.

Once you have managed to get the status table to show the information you want, you will want to organize it. Attached are two files, Status Formats.txt and Status Template.xls that will help you format status reports in Excel. They should both go into your AcornPipe application data folder, which is usually Documents and Settings/<YourUserName>/Application Data/AcornPipe

Bring up the Fabrication Status table, and select File/Print Status Report using format…/IMS Fab Export.

Status Template.xls has been formatted to keep the control numbers as text rather than numbers. This avoids having Excel cut 000123 down to 123 etc.

You can customize both Status Template.xls and Status Formats.txt to get the result you want. See Status Formats.txt for more details.

In AcornPipe version 8-548, the status report formats were extended to allow for customized leader lines at the top of the Excel sheet. An example format is shown below.

```
[Format Name]=Shipment Packing List
;Ctrl No.;Spool;Ref.Dwg;MaxNPS;LengthFT;Shipped Date;Wt.(lb);
[Header Translation]: (Optional, will be printed exactly as shown here)
Spool#;Piece Mark#;RefDrwg#;Pipe Dia;Approx.Length;Ship Date;Weight;
[Leader Lines]=6
[Cell Content]Row=2 Col=1 Content=YOUR COMPANY NAME
[Cell Content]Row=2 Col=4 Content=JobInfo(1)
[Cell Content]Row=2 Col=6 Content=SHIPMENT#
[Cell Content]Row=2 Col=7 Content=ColumnContent(34)
[Cell Content]Row=3 Col=1 Content=Job#
[Cell Content]Row=3 Col=2 Content=JobPath
[Cell Content]Row=1 Col=4 Content=Packing List
[Cell Content]Row=3 Col=6 Content=SHIPPED
[Cell Content]Row=3 Col=7 Content=ColumnContent(31)
[Cell Content]Row=4 Col=1 Content=PO#
[Cell Content]Row=4 Col=2 Content=JobInfo(2)
[Cell Content]Row=3 Col=4 Content=iCount spools
[Cell Content]Row=4 Col=6 Content=Trailer#
[Cell Content]Row=4 Col=7 Content=ColumnContent(36)
[Cell Content]Row=4 Col=4 Content=Total(8) lb
[End of Format]
```

The reserved words shown above in bold face are applied as follows:

JobInfo(2) supplies the second line of data from the Job Information entry, which is typically the name of the job.

JobPath is the job number, which is the same as the job folder name.

ColumnContent(36) enters the data from column 36 of the first spool on the selected list. In the example, it denotes the shipping trailer number. Since you are specifying this information to go in the leader, it is assumed that all selected spools will have this trailer number. Should this not be the case, " and others" will be added to the trailer number for the first selected spool, to warn that something is not as expected.

Non-bold content in the format is inserted literally into the appropriate cells in the leader lines.

You can add your own macros to StatusTemplate.xls to format it the way you want. In order to prevent inadvertent changes to the file, it is suggested you mark Status Template.xls as read-only, once you have completed your changes. Status Template is local to each user, so you can experiment on one workstation without affecting others. An example report is show below.

	A	B	C	D	E	F	G
1				Packing List			
2	YOUR COMPANY NAME			BIRCH		SHIPMENT#	002
3	Job#	14636		10 spools		SHIPPED	2013-07-19
4	PO#	363268		3656 lb		Trailer#	CJF78
5							
6							
7	Spool#	Piece Mark#	RefDrwg#	Pipe Dia	Aprox.Length	Ship Date	Weight
8	000001	B160-18-01	213205-02-B160-18 S/1	8	20	2013-07-19	600
9	000002	B160-18-02	213205-02-B160-18 S/1	8	20	2013-07-19	600
10	000003	B160-18-03	213205-02-B160-18 S/1	8	20	2013-07-19	600
11	000004	B160-18-04	213205-02-B160-18 S/1	8	20	2013-07-19	600
12	000005	B160-20-01	213205-02-B160-20 S/1	8	5	2013-07-19	171
13	000006	B160-23-01	213205-02-B160-23 S/1	8	14	2013-07-19	429
14	000007	B160-24-01	213205-02-B160-24 S/1	8	6	2013-07-19	201
15	000008	B160-25-01	213205-02-B160-25 S/1	8	8	2013-07-19	285
16	000009	B160-26-01	213205-02-B160-26 S/1	8	4	2013-07-19	170

If you need to add more report formats, select Edit/Format of Status Printout, start by duplicating an existing format. Rename it, and edit it to suit your needs.