

PERCEPTION[®] MAT-PAC

Tool Room Control

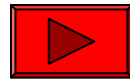
A Training Tutorial

This training tutorial outlines the basic features of the *PERCEPTION* system for managing tools.

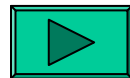
It is a supplement to the user manual entitled “*PERCEPTION Material Planning, Purchasing & Inventory Control*,” which provides more details for the user.

Before using this tutorial, the user should first view the preliminary *PERCEPTION* training tutorial, “Getting Started.”

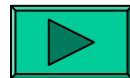
Training Directory



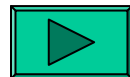
Continue



Tool Types



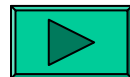
Tool Catalog



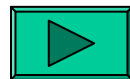
Tool Locations



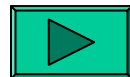
Tool Manufacturers



Transactions



Posting



Reporting



Remote Bar Code Transactions

***PERCEPTION* provides features for managing the shipyard's tool room.**

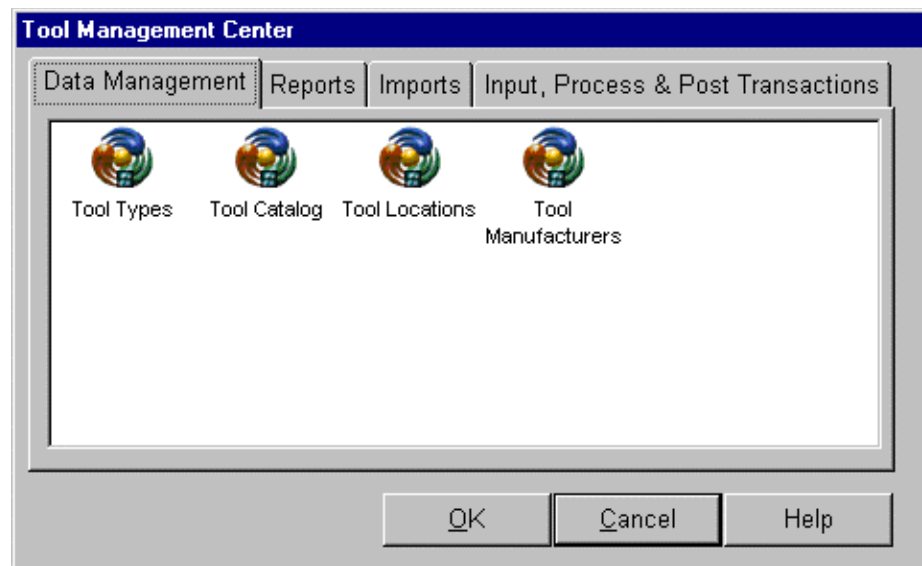
The system provides a tool room catalog where tools can be classified by type.

Tools then can be checked in and out.

Tools remaining checked out are tracked by the system.

To reach the system's tool management functions, click on *Environment/Stores Management/Tool Management Center* from the main menu.

The system will display the various features of the Tool Management Center:



The Tool Management Center window groups tool room functions into the following tab windows:

- 1. Data Management**
- 2. Reports**
- 3. Imports of data from remote bar code scanning devices**
- 4. Input, process & posting tool room usage transactions**

Note: The icons of the Tool Management Center can be exercised using a touch screen monitor by double “clicking” with the finger on the icon to open its window.

Data Management

Data Management provides all of the means for defining the tool catalog.

The Tool Catalog is the primary basis for defining the tools to be managed by the system.

There are supplemental database tables that can be used in the cataloging process.

The following describes these tables in more detail.

Tool Types (Optional)

The tool type allows the separation of tools into categories. Power drills, for example, may be broken down by the specification of a tool type: electric, or air powered.

Tool types enable the tool room manager to define tools under user-defined class categories. These categories can help the manager locate tools more easily on the database.

If tool types are to be used, they must be defined before the actual tools are defined on the database.

To open the Tool Type worksheet, double click on the Tool Type icon, and the system will display the worksheet:

Types of Tools			
	Tool Type	Tool Class	Heading
1	(NONE)	(NONE)	Default Type And Class. Do NOT Delete.
2	Blowers & Ventilators	Blowers & Ventilators	Blowers & Ventilators
3	Calibration Equipment	Calibration Equipment	Calibration Equipment
4	Caulking Guns	Caulking Guns	Caulking Guns
5	Combination Kits	Combination Kits	Combination Kits
6	Compressors	Compressors	Compressors
7	Dremel Tools	Dremel Tools	Dremel Tools
8	Drills	Cordless Drills	Cordless Drills
9	Drills	Drill Bit Indexes	Drill Bit Indexes
10	Drills	Drill Bit Sharpeners	Drill Bit Sharpeners
11	Drills	Drill Bits	Drill Bits
12	Drills	Drill Presses	Drill Presses
13	Drills	Electric Drills	Electric Drills
14	Drills	Hammer Drills	Hammer Drills
15	Gauges & Monitoring Equipment	Gauges & Monitoring Equipment	Gauges & Monitoring Equipment
16	Grinders & Scalers	Die Grinders	Die Grinders
17	Grinders & Scalers	Pneumatic Grinders	Pneumatic Grinders
18	Grinders & Scalers	Pneumatic Scalers	Pneumatic Scalers
19	Hammers	Claw Hammers	Claw Hammers
20	Hammers	Demolition Hammers	Demolition Hammers
21	Hammers	Rotary Hammers	Rotary Hammers
22	Heat Guns	Heat Guns	Heat Guns
23	Hoists & Lifts	Cherry Pickers	Cherry Pickers
24	Hoists & Lifts	Electric Hoists	Electric Hoists
25	Hoists & Lifts	Fork Lifts	Fork Lifts
26	Hoists & Lifts	Hand, Chain, & Cable Hoists	Hand, Chain, & Cable Hoists
27	Hoses	Hoses - Pneumatic	Hoses - Pneumatic
28	Hoses	Hoses - Water	Hoses - Water
29	Hoses	Hoses - Welding Gas	Hoses - Welding Gas
30	Measuring Devices	Levels	Levels
31	Measuring Devices	Squares	Squares
32	Measuring Devices	Tapes Measures	Tapes Measures
33	Multiple Tool Sets	Multiple Tool Sets	Multiple Tool Sets

The Tool Type worksheet carries the following information:

- 1. Tool Type (maximum 50 characters)**
- 2. Tool Class (maximum 50 characters)**
- 3. Tool Type Description (maximum 40 characters)**

The Tool Class is an optional sub-category of Tool Type.

The procedures for retrieving, adding, changing and deleting tool types are the same as outlined in *General System Operation*, “Getting Started With PERCEPTION.”

Tool Type data can be imported (see *Importing & Exporting Data*, “Getting Started With PERCEPTION).

Changing Tool Types

When a user changes a tool type, this change will have the effect of cascading that change throughout the system.

For example, changing a tool type of “ar” to “air” will update all tools identified by type “ar” to now be of type “air.”

Tool Catalog

The Tool Catalog is the database file where all tools are defined and managed by the system.

To open the Tool Catalog worksheet, double click on the Tool Catalog icon, and the system will display the worksheet:

Tool Catalog						
Tool ID	Tool Type	Tool Class	Part ID	Description	Serial Number	
TR-0001	Multiple Tool Sets	Multiple Tool Sets		135 PC Tool Set w/Case	SER-0001	A-108
TR-0002	Wrenches	Socket Wrenches		Set, 75 PC Socket Tool Set	SER-0001	A-108
TR-0003	Wrenches	Socket Wrenches		Set, 20 PC 3/8" Drive Socket Wrenches	SER-0001	A-108
TR-0004	Wrenches	Socket Wrenches		Set, 121 PC Metric/Standard Combination Drive	SER-0001	A-108
TR-0005	Wrenches	Flat Wrenches		Combo Set, 12 PC Std/Metric wrench set	SER-0001	A-108
TR-0006	Wrenches	Flat Wrenches		Combo Set, 14 PC Std wrench set	SER-0001	A-108
TR-0007	Wrenches	Flat Wrenches		Combo Set, 14 PC Metric wrench set	SER-0001	A-108
TR-0008	Wrenches	Flat Wrenches		Combo Set 6 PC Std wrench set		A-108
TR-0009	Wrenches	Flat Wrenches		Combo Set, 6 PC Metric wrench set		A-108
TR-0010	Wrenches	Flat Wrenches		Gear, 5/16" Gear Wrench		A-108
TR-0011	Wrenches	Flat Wrenches		Open End, 3/8" x 7/16" wrench		A-108
TR-0012	Wrenches	Flat Wrenches		Combo, 7/16" Wrench		A-108
TR-0013	Wrenches	Flat Wrenches		Open End, 3/4" x 7/8" wrench		A-108
TR-0014	Wrenches	Flat Wrenches		Combo, 11/31" wrench		A-108
TR-0015	Wrenches	Flat Wrenches		Combo Set, 11 PC SAE wrench set		A-108
TR-0016	Wrenches	Adjustable Wrenches		Locking, 10" Adjustable Wrench		A-108
TR-0017	Wrenches	Adjustable Wrenches		Crescent, 4" Adjustable Wrench		A-108
TR-0018	Wrenches	Adjustable Wrenches		Crescent, 6" Adjustable Wrench		A-108
TR-0019	Wrenches	Adjustable Wrenches		Vise Grip, 10" Locking Wrench		A-108
TR-0020	Measuring Devices	Tapes Measures		Tape Rule, 1" x 25' Stanley		A-108
TR-0021	Measuring Devices	Tapes Measures		Tape Rule, 1" x 25' Stanley Powerlock		A-108
TR-0022	Measuring Devices	Levels		Level, aluminum 48"		A-108
TR-0023	Measuring Devices	Levels		Level, Stanley torpedo 8"		A-108
TR-0024	Measuring Devices	Levels		Level, aluminum 18"		A-108

The following information initially defines each tool for cataloging onto the *PERCEPTION* database:

- **Tool ID** (maximum 50 characters)
- **Tool Type** (maximum 50 characters)
- **Tool Class** (maximum 50 characters)
- **Part ID** (maximum 25 characters)
- **Serial Number** (maximum 25 characters)
- **Description** (unlimited). When using Part ID from the Parts Catalog, the system will automatically insert the Parts Catalog description into the tool description. The user may then modify the description to suit a more appropriate description for the specific tool
- **Vendor ID** (maximum 8 characters) for purchasing a tool replacement
- **Manufacturer ID** (maximum 25 characters). The name of the manufacturer can be entered directly in this worksheet, or manufacturer names can be managed centrally in the Manufacturers worksheet
- **Purchase Cost**
- **Purchase Date**
- **Barcode Label** (maximum of 50 characters)

To uniquely identify each tool, the Tool ID for each must be unique.

The Part ID and Serial Number are optional.

The Part ID may be used for cataloging the tool in the Parts Catalog for re-purchasing standard items purposes.

Note: The *Barcode Label* is useful when pre-printed labels are used as an independent tool identifier.

This label must be unique for any tool managed on the database. It may be replaced with another label without losing existing tool information.

All *check-out and check-in transactions require the Bar Code Label be identified for the tool being processed.*

The worksheet also provides current status of the tool:

- 1. Current Status (In, Out, Lost, Damaged, or Inactive)**
- 2. Date of Status**
- 3. Current Location (Optional)**
- 4. Last User**
- 5. Last Date Used**

The Current Status, Date of Status, Current Location, Last User, and Last Date Used are all data provided when tool check-in/check-out transactions are entered into the system.

Tool Locations (Optional)

The Tool Locations is the database file where all locations for tools are defined and managed by the system.

Locations include both where the tools are stored in the tool room and where the tools are destined when checked out.

To open the Tool Location worksheet, double click on the Tool Location icon, and the system will display the worksheet:

Tool Worksheet		
	Tool Location	Heading
1	Berth	Building Berth
2	Off Site	
3	Outfit Shop	Outfit Shop
4	Outside	Outside Equipment Area
5	Tool Room #1	Main Stores
6	Tool Room #2	Electronics Room

Location data can be imported (see *Importing & Exporting Data, “Getting Started With PERCEPTION*).

Note: Tool locations also will be added to this table automatically by the system when newly defined either in the Tool Catalog with the tool, or with a check-in/check-out transaction.

Tool Manufacturers

The Tool Manufacturers is the database file where all manufacturers for tools are defined and managed by the system.

To open the Tool Manufacturers worksheet, double click on the Tool Manufacturers icon, and the system will display the worksheet:

\$ Tool Manufacturers		
	Manufacturer	Heading
1	Black & Decker	Black & Decker
2	Stanley	Stanley

Manufacturer data can be imported (see *Importing & Exporting Data, "Getting Started With PERCEPTION*).

Tool Transactions

The transactions supported by the tool room are:

1. Check-Out tool to user
2. Check-In tool from user

There are two methods for entering tool room issue and receiving transactions:

1. Direct manual entries into the transaction worksheet
2. Imported transactions from remote bar code data files

Direct (Manual) Tool Room Transactions

Direct or manual entries of tool room transactions are made into the Tool Transaction Posting worksheet.

Tool Transaction Posting								
	Trans Code	Tool ID	Badge Num	Location	Trans Date	Trans Time	Comments	Transac
1	TWDRW	TR-0007	15	Outfit Shop	08/03/2001	10:19 AM		08/
2	TRECV	TR-0007		Tool Room #1	08/03/2001	10:24 AM		08/
3	TWDRW	TR-0001	12345	Off Site	08/03/2001	10:24 AM		08/
4	TWDRW	TR-0004	15	Berth	08/03/2001	10:27 AM		08/

Each transaction must be coded as follows:

- 1. TWDRW for tool checkouts (withdraws)**
- 2. TRECVC for tool returns (receiving)**

At a minimum, each transaction must record the following information:

- 1. Transaction Code (TWDRW or TRECVC)**
- 2. Tool ID for the tool defined on the Tool Catalog**
- 3. Badge Number of the person being issued the tool.**

If a tool return transaction, entry of the badge number is optional

Note: Tool Checkout transactions require the badge number of the person being issued the tool.

This badge number must be valid (and active) on the system's employee file (*Environment/Accounting/Employees*).

Other information also may be provided:

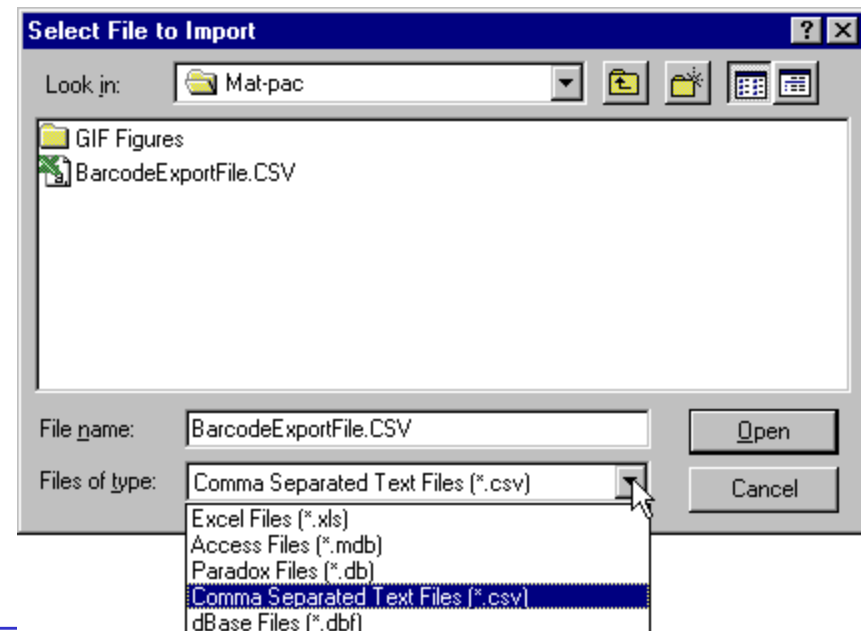
- 1. Location where the tool is being issued or where it is being stored in the tool room facility**
- 2. Comments as necessary**

Imported Tool Room Transactions

To import transactions from an external file, click on the *Imports* tab of the Tool Room Management Center.

The system will provide the window for the user to select the import file in the network directories.

The system accommodates several types of files for importing.



After the user has identified and opened the import file, the system will display the data-mapping window:

The mapping process allows the user to identify columns of the imported data file with columns in the Tool Room Transaction worksheet.

Transfer Column Data From	Transfer Column Data Into
1 Field 1	Transfer to ...
2 Field 2	Transfer to ...
3 Field 3	Transfer to ...
4 Field 4	Transfer to ...
5 Field 5	Transfer to ...
6 Field 6	Transfer to ...
7 Field 7	Transfer to ...

Field 1	Field 2	Field 3	Field 4	Field 5	Field 6	Field 7
TWDR	2408	BT1200		WS	109/06/2001	
TWDR	2408	WS0001		WS	109/06/2001	12:17:10
TRECV		WS0001		WS	-109/06/2001	12:17:23
TRECV		BT1200		WS	-109/06/2001	12:17:29
TWDR	4031	RAT1200		WS	109/06/2001	12:18:37

Options

Add Rows Include Globals Save Column Map
 Update Rows Add Upper Level Clear Column Map
 Add/Update

OK Cancel Help

If the import file is expected to remain unaltered thereafter, the user can save this mapping by clicking on the *Save Column Map* box in this mapping window.

Note: The imported information required by the system is the same as required for the direct data entry method.

When the mapping is complete, click on the *OK* button. The system will proceed to import the transactions.

Click on the *Save* button on the toolbar, and the system will save all imported transactions to the same file as the direct transaction entries described in “Direct Tool Room Transactions.”

Since all transactions are stored on the same file, the user can retrieve them into the direct Tool Room Transaction worksheet.

Posting Transactions

The system requires formal posting of tool room transactions, both direct and imported.

The posting process performs a data validation of the transactions to help ensure correct information is being entered.

The system color-codes each transaction as follows:

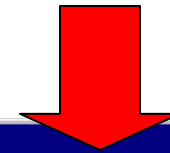
1. Gray - un-posted and non-validated transaction
2. Red - un-posted and determined to have errors
3. Green - posted and successfully validated transaction

To perform the posting process, highlight one or more transactions in the worksheet.

Then click on *Edit/Post Selected Transactions* from the main menu.

When the validation process has been completed, the color-coding will be initiated.

The transactions found in error will be **color-coded red** and the system will provide for the user appropriate errors messages.



Tool Transaction Posting							
me	Comments	Transaction Created	Created By	Posted Flag	Date Posted	Error Message	Import
M		08/03/2001	spar	Yes	08/03/2001		
M		08/03/2001	spar	No	00/00/0000		
M		08/03/2001	spar	No	00/00/0000	No employee has the badge number speci	
M		08/03/2001	spar	Yes	08/03/2001		
M		08/03/2001	spar	No	00/00/0000	This tool is not available for usage.	

Note: Transactions that have been successfully posted cannot be modified.

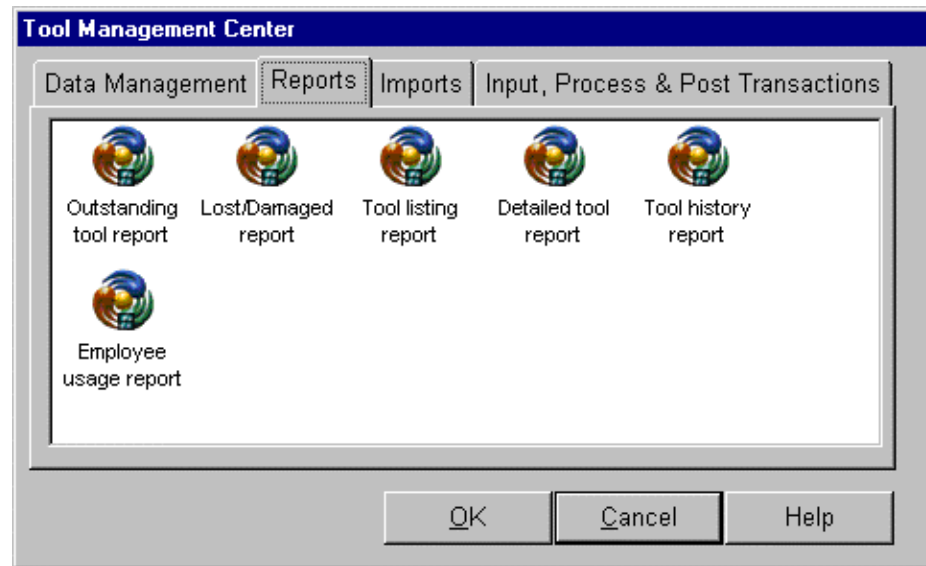
Successfully posted transactions will not be re-posted by the system.

Tool Room Reports

The Tool Management Center offers a selection of reports that track tools and their status in the system.

Each report provides a selection window so that the user can narrow down the reported information to only those transactions that are of most interest.

The user can generate these reports by clicking on the *Reports* tab of the Tool Management Center and then by clicking on the icon of the specific report of interest.



Outstanding Tools Report

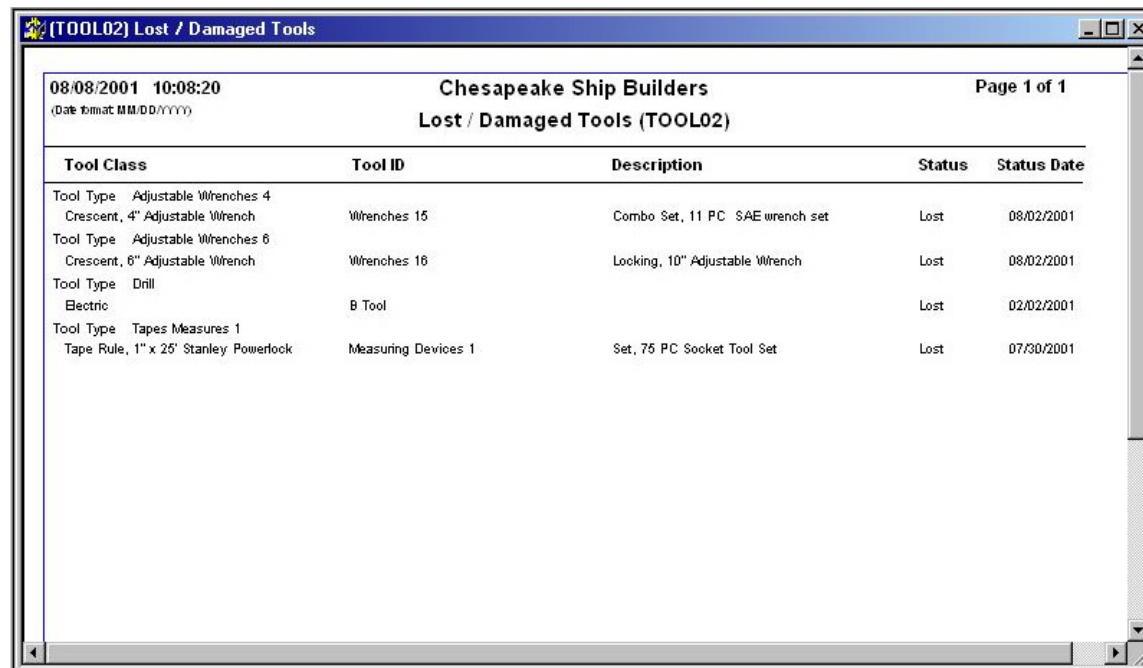
The Outstanding Tool Report lists tools remaining checked-out and allows query by:

1. Tools
2. Users
3. Usage Locations

Tool ID	Tool Type	Description	User	Date Withdrawn
1234	Hammer		B. Smith	08/02/2001
Wrenches 1	Socket/Wrenches 20	Combo Set, 6 PC Metric wrench set	B. Smith	07/30/2001
Wrenches 2	Socket/Wrenches 121	Crescent, 6" Adjustable Wrench	B. Smith	08/03/2001
Wrenches 3	Flat/Wrenches 12	Vise Grip, 10" Locking Wrench	A. Johnson	08/03/2001
Wrenches 10	Flat/Wrenches 7/16	Gear, 5/16" Gear Wrench	B. Smith	07/30/2001
Wrenches 11	Flat/Wrenches 3/4	Open End, 3/8" x 7/16" wrench	B. Smith	07/30/2001
Wrenches 12	Flat/Wrenches 11/31	Combo, 7/16" Wrench	J. Brilliant	07/30/2001
Wrenches 13	Flat/Wrenches 11/31	Open End, 3/4" x 7/8" wrench	J. Brilliant	07/30/2001
Measuring Devices	Tapes Measures	135 PC Tool Set w/Case	J. Thompson	07/30/2001
Measuring Devices 2	Levels 48	Set, 20 PC 3/8" Drive Socket/Wrenches	D. Callahan	08/03/2001
Measuring Devices 3	Levels 8	Set, 121 PC Metric/Standard Combination Drive	J. Thompson	08/03/2001

Lost & Damaged Tools Report

The Lost or Damaged Tool Report lists tools flagged by the user as lost or damaged and allows query by tool classification.



The screenshot shows a software window titled "(TOOL02) Lost / Damaged Tools". The window displays a report for "Chesapeake Ship Builders" on "Page 1 of 1". The report title is "Lost / Damaged Tools (TOOL02)". The data is presented in a table with the following columns: Tool Class, Tool ID, Description, Status, and Status Date. The table lists five lost tools: a 4-inch adjustable wrench set, a 6-inch adjustable wrench, an electric drill, a 75-piece socket tool set, and a 1-foot x 25-foot Stanley Powerlock tape rule.

Tool Class	Tool ID	Description	Status	Status Date
Tool Type Adjustable Wrenches 4 Crescent, 4" Adjustable Wrench	Wrenches 15	Combo Set, 11 PC SAE wrench set	Lost	08/02/2001
Tool Type Adjustable Wrenches 6 Crescent, 6" Adjustable Wrench	Wrenches 16	Locking, 10" Adjustable Wrench	Lost	08/02/2001
Tool Type Drill Electric	B Tool		Lost	02/02/2001
Tool Type Tapes Measures 1 Tape Rule, 1" x 25' Stanley Powerlock	Measuring Devices 1	Set, 75 PC Socket Tool Set	Lost	07/30/2001

Tool Listing Report

The Tool Listing Report produces hard copies of the Tool Catalog.

(TOOL03) Tool Listing With Cost

08/08/2001 10:04:11 Chesapeake Ship Builders Page 1 of 2
 (Date format: MM/DD/YYYY) Tool Listing With Cost (TOOL03)

Tool ID	Tool Class	Part ID	Description	Vendor	Status	Cost	Purchase Date
Tool Type: (NONE)							
Test Tool	(NONE)	TR-0007	Combo Set, 14 PC Metric Wrench set	A108	In	20.73	07/00/2001
Tool Type: Adjustable Wrenches 10							
Wrenches 14	Locking, 10" Adjustable Wrench	TR-0014	Combo, 11/31" Wrench	A108	In	4.79	07/00/2001
Wrenches 17	Vise Grip, 10" Locking Wrench	TR-0017	Crescent, 4" Adjustable Wrench	A108	In	14.88	07/00/2001
Tool Type: Adjustable Wrenches 4							
Wrenches 15	Crescent, 4" Adjustable Wrench	TR-0015	Combo Set, 11 PC SAE Wrench set	A108	Lost	17.99	07/00/2001
Tool Type: Adjustable Wrenches 6							
Wrenches 16	Crescent, 6" Adjustable Wrench	TR-0016	Locking, 10" Adjustable Wrench	A108	Lost	28.04	07/00/2001
Tool Type: Flat Wrenches 11/31							
Wrenches 12	Combo, 11/31" Wrench	TR-0012	Combo, 7/16" Wrench	A108	Out	5.99	07/00/2001
Wrenches 13	Combo Set, 11 PC SAE Wrench set	TR-0013	Open End, 3/4" x 7/8" Wrench	A108	Out	5.99	07/00/2001
Tool Type: Flat Wrenches 12							
Wrenches 3	Combo Set, 12 PC SAE Wrench set	TR-0019	Vise Grip, 10" Locking Wrench	A108	Out	16.85	07/00/2001
Tool Type: Flat Wrenches 14							
Wrenches 4	Combo Set, 14 PC SAE Wrench set	TR-0020	Tape Rule, 1' x 25" Stanley	A108	In	15.99	07/00/2001
Tool Type: Flat Wrenches 14A							
Wrenches 5	Combo Set, 14 PC Metric Wrench set	TR-0021	Tape Rule, 1' x 25" Stanley Powerlock	A108	In	16.40	07/00/2001
Tool Type: Flat Wrenches 3/4							
Wrenches 11	Open End, 3/4" x 7/8" Wrench	TR-0011	Open End, 3/8" x 7/16" Wrench	A108	Out	3.49	07/00/2001
Tool Type: Flat Wrenches 5/16							

Detail Tool Report

The Detailed Tool Report provides a basic description of the tool, its serial number, etc

(TOOL04) Detailed Tool Listing

08/08/2001 10:10:09
(Date format MM/DD/YYYY)

Chesapeake Ship Builders
Detailed Tool Listing (TOOL04)

Page 2 of 2

Tool ID	Tool Class	Part ID	Vendor	Location	Manufacturer	Status	Last User	Last Used
Tool Type Flat/Wrenches 6A								
Wrenches 7	Combo Set, 6 PC Metric wrench set	TR-0023	A108	Demo	Black & Decker	In	J. Thompson	07/30/2001
Wrenches 71	Combo Set, 6 PC Metric wrench set	TR-0023	A108	Demo	Black & Decker	In	J. Thompson	07/30/2001
Tool Type Flat/Wrenches 7/16								
Wrenches 10	Combo, 7/16" Wrench	TR-0010	A108	A161	Black & Decker	Out	B. Smith	07/30/2001
Tool Type Hammer								
1234	Hand	A	dha	Demo	Black & Decker	Out	B. Smith	08/02/2001
Tool Type Levels 18								
Measuring Devices 4	Level, aluminum 18"	TR-0005	A108	A262	Black & Decker	In	J. Thompson	08/03/2001
Tool Type Levels 48								
Measuring Devices 2	Level, aluminum 48"	TR-0003	A108	A161	Tom Tom	Out	D. Callahan	08/03/2001
Tool Type Levels 8								
Measuring Devices 3	Level, Stanley torpedo 8"	TR-0004	A108	A262	Black & Decker	Out	J. Thompson	08/03/2001
Tool Type Multiple ToolSet								
Multiple ToolSet	135 PC Tool Set w/Case	TR-0006	A108	A262	Black & Decker	In	T. Smith	08/03/2001
Tool Type Paint Roller								
12345	Paint		dha	A262	Black & Decker	In		00.00.0000
Tool Type Socket/Wrenches 121								
Wrenches 2	Set, 121 PC Metric/Standard Combination 1	TR-0018	A108	A262	Black & Decker	Out	B. Smith	08/03/2001
Tool Type Socket/Wrenches 20								
Wrenches 1	Set, 20 PC 3/8" Drive Socket/Wrenches	TR-0009	A108	A161	Black & Decker	Out	B. Smith	07/30/2001
Tool Type Socket/Wrenches 75								

Tool History Report

The Tool History Report lists all transactions logged for the tool, but allows query by:

- Date range
- Tools
- Users

(TOOL05) Tool History			
08/08/2001 10:15:16 (Date format: MM/DD/YYYY)	Chesapeake Ship Builders Tool History Report (TOOL05)		Page 1 of 1
Trans CODE	Badge Num	Location	Transaction Date
Tool Type Adjustable Wrenches 10 Tool Class Locking, 10" Adjustable Wrench			
Tool ID Wrenches 14			
TRECV	200210	SPARHOLDER	
Tool Type Hammer Tool Class Hand			
Tool ID 1234			
TWDRW	20021	Demo	08/02/2001
Tool Type Levels 18 Tool Class Level, aluminum 18"			
Tool ID Measuring Devices 4			
TWDRW	200210	A1B1	07/30/2001
TRECV	20021	A2B2	08/03/2001
Tool Type Levels 48 Tool Class Level, aluminum 48"			
Tool ID Measuring Devices 2			
TWDRW	200210	SPARHOLDER	07/30/2001
TWDRW	200210	A1B1	08/03/2001
Tool Type Levels 8 Tool Class Level, Stanley torpedo 8"			
Tool ID Measuring Devices 3			
TWDRW	200210	A1B1	07/30/2001
TWDRW	20021	A2B2	08/03/2001
TRECV	200210	A2B2	08/03/2001
Tool Type Multiple Tool Categories Tool Class 195 RC Tool Category/Class			

Employee Usage Report

The Employee Usage Report lists all tool usage transactions by employee, but allows query by:

1. Employee
2. Date range

(TOOL06) Tool Usage By Employee

08/08/2001 10:16:45
(Date format: MM/DD/YYYY)

Chesapeake Ship Builders
Tool Usage By Employee (TOOL06)

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Tool Type	Tool ID	Description	Location	Trans Date
Employee A. Johnson	Badge Num 20021000			
FlatWrenches 12	Wrenches 3	Vise Grip, 10" Locking Wrench	A2B2	08/03/2001
Employee B. Smith	Badge Num 20021001			
(NONE)	TestTool	Combo Set, 14 PC Metric wrench set	A2B2	07/30/2001
FlatWrenches 7/16	Wrenches 10	Gear, 5/16" Gear Wrench	A1B1	07/30/2001
Socket/Wrenches 121	Wrenches 2	Crescent, 6" Adjustable Wrench	A2B2	08/03/2001
Socket/Wrenches 20	Wrenches 1	Combo Set, 6 PC Metric wrench set	A1B1	07/30/2001
Socket/Wrenches 75	Wrenches	Combo Set, 6 PC Slt Wrench set	A2B2	07/30/2001
Employee D. Callahan	Badge Num 200210			
Level 18	Measuring Devices 4	Combo Set, 12 PC Slt/Metric wrench set	A2B2	07/30/2001
Level 48	Measuring Devices 2	Set, 20 PC 3/8" Drive Socket/Wrenches	A1B1	07/30/2001
Level 48	Measuring Devices 2	Set, 20 PC 3/8" Drive Socket/Wrenches	A1B1	08/03/2001
Multiple Tool Sets	Multiple Tool Sets	Combo Set, 14 PC Slt Wrench set	A2B2	07/30/2001
Employee J. Thompson	Badge Num 20021			
Hammer	1234		Demo	08/02/2001
Level 8	Measuring Devices 3	Set, 121 PC Metric/Standard Combination Drive	A2B2	08/03/2001
Tapes Measures	Measuring Devices	135 PC Tool Set w/Case	SPAR HOLDER	07/30/2001
Employee L. Hagg	Badge Num 2003			
TT1	A Tool	SN1	TestLoc A	08/01/2001

Tool Room Remote Bar Code Transactions

The following describes the requirements for a remote bar code scanning device that is capable of generating the above transactions in a bulk data file that can be uploaded to the server and which then can be processed by *PERCEPTION*.

To support a bulk import of the data from these tool room transactions into PERCEPTION, the bar code scanner must create a file containing the following fields as a minimum of information:

- 1. Action – (Check In or Check Out)**
- 2. User**
- 3. Tool Bar Code Label**
- 4. Date**
- 5. Time**

It should also be noted that for the check-in process, the user is irrelevant.

The system will determine who checked the tool out via query of its own table structure.

As with the other imports, this data is brought into the system and staged into a table to allow for data correction and error recovery in a reasonable fashion.