

PERCEPTION[®]

Starting A New Project

A Training Tutorial

This training tutorial outlines the basic features of the *PERCEPTION* system for developing a new project.

It is a supplement to the user manual entitled “Getting Started With *PERCEPTION*,” which provides more details for the user.

Before using this tutorial, the user may want to view the preliminary training tutorial, “Getting Started With *PERCEPTION*.”

PERCEPTION is a modular, but integrated, system for managing shipyard business processes.

It provides features for planning, scheduling and managing shipyard resources of labor, material & subcontractors.

***PERCEPTION* manages the following shipyard business functions:**

- 1. Cost Estimating**
- 2. Planning & Scheduling**
- 3. Purchasing**
- 4. Material Planning & Inventory Control**
- 5. Vendor Invoice Control**
- 6. Customer Billings**
- 7. Work Order Planning & Management**
- 8. Accounting Systems Interface**
- 9. Job Costing, Performance Reporting & Forecasting**

PERCEPTION manages all business processes on the basis that they all are essentially project-oriented.

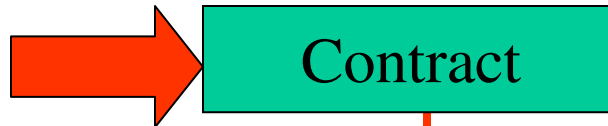
Even overhead activities are managed as yearly projects, subject to the same cost and schedule analysis as available for contract work.

The basic details of information cataloged under any project may include the following:

- 1. Cost Estimates (Cost Items)**
- 2. Schedule Planning Activities**
- 3. Material Requisitions, Purchase Orders, Work Order Pallets, & Drawing Bills of Material**
- 4. Work Orders & Time Charges**
- 5. Vendor Invoices**
- 6. Customer Billings**

Each project has a hierarchy of information managed by the system, flowing from lowest level details to the highest level summary.

The “Contract” is the highest project level

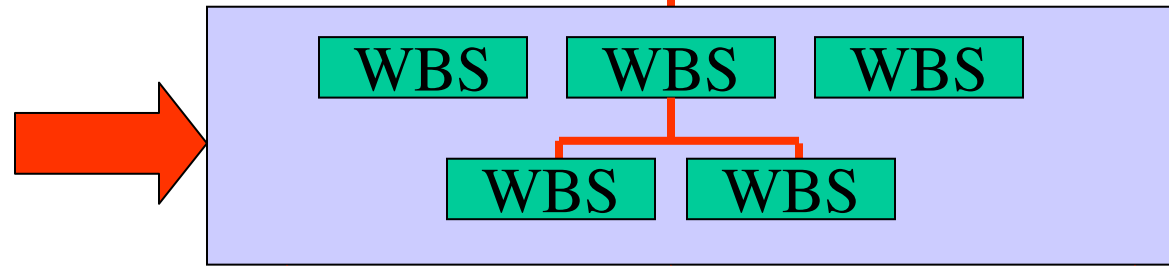


The “Project” is the highest operations project level



A contract may have multiple projects.

The WBS is an intermediary hierarchy depending on the project requirements.



Cost Estimate



Material Resources



Labor Resources

The lowest level of project information

Steps To Generate A Project

1. Create the Contract
2. Create the Project(s)
3. Create the Project WBS
4. Develop the Project Details (estimate cost items, work orders, Planning activities, & material requirements)

PERCEPTION allows the user to develop a project to almost any required level of detail.

Special Note:

To add new records in any worksheet, click on the *Add* button on the toolbar  or the down-arrow on your keyboard.

To save data entered into any worksheet, click on the *Save* button  on the toolbar.

To delete records from any worksheet, highlight those records (rows) to be deleted, then click on the *Delete* button  on the toolbar.

To retrieve existing records from the database, click on the *Retrieve* button  on the toolbar.

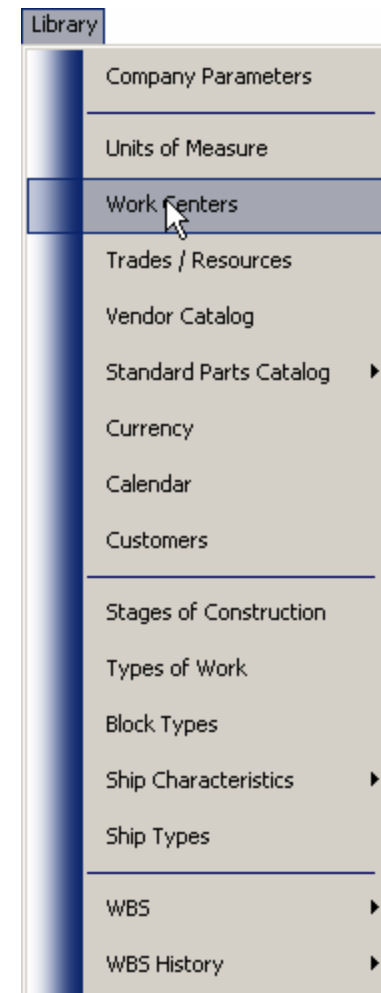
In order to plan and management labor using the system, the following must be set up on the system database:


- 1. Define all shipyard work centers. These will be assigned to work orders so that the system can report progress and performance by work center.**
- 2. Define all shipyard trades. These also may be assigned to work orders, but they also are assigned to employees so that the system can report manpower requirements and performance by trade.**
- 3. Define shipyard employees. This information is required for all time charges. The system processes time charges into project work orders.**

Once these steps have been done, these database files need to be maintained.

Defining Shipyard Work Centers

1. Click on Library on the main menu and
2. Select Work Centers to open the Work Center worksheet.



1. Click on the Add button  and enter the Work Center IDs and descriptions. Other information in this worksheet is optional.

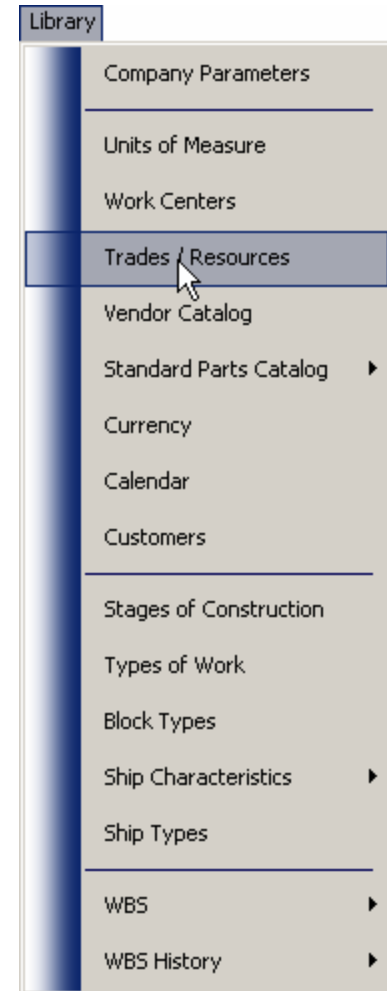
2. Click on the Save button 


3. Close the Work Center worksheet.

Work Center Information for the Production Environment	
Center	Description
21	Fabrication
32	Assembly Fit
43	Assembly Weld
54	Erection Fit
65	Erection Weld
76	PreOutfit
801	Hull Planking Shop
902	Mast & Rigging Shop
1003	Sail Loft
1104	Steel Weldout
1205	Mould Loft
1306	Material Control
1407	Planning & Control
1509	Drawing Office
1610	Production Services
1711	Carpenter's Shop
1815	Miscellaneous
1921	Joiner Shop
2022	Rigging Shop
2123	Outfit Shop
2224	Pipe Shop
2325	Machine Shop
2426	Electrical Shop
2527	Sheet Metal Shop
2628	Paint Shop
2736	Maintenance

Defining Shipyard Trades

1. Click on Library on the main menu and
2. Select Trades/Resources to open the trades worksheet.



1. Click on the Add button  and enter the Trade IDs and descriptions. The trade Type “H” indicates an hourly resource. Other information in this worksheet is optional.

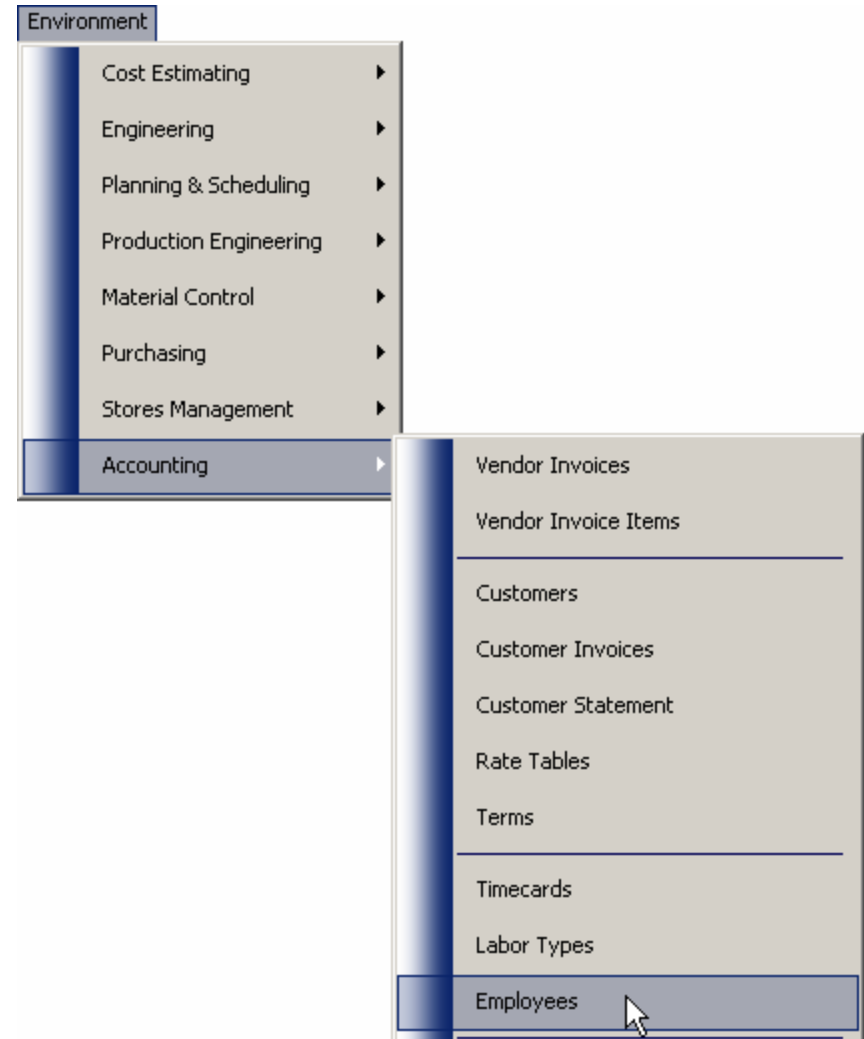
2. Click on the Save button 



3. Close the Work Center worksheet.

\$ Trade Information for the Production Environment			
	Trade ID	Type	Description
1	1	H	Carpenter Class I
2	2	H	Carpenter Class II
3	3	H	Carpenter Apprentice
4	4	H	Concrete Worker
5	5	H	Electrician
6	6	H	Electrician Apprentice
7	7	H	Plumber Class I
8	8	H	Plumber Class II
9	9	H	Painter
10	10	H	Painter Apprentice
11	11	H	Excavator
12	12	H	Carpet Layer
13	13	H	Iron Worker
14	14	H	Tile Setter
15	15	H	Heating/AC Worker
16	16	H	Drape Hanger
17	17	H	Cabinet Maker
18	18	H	Cabinet Maker Apprentice
19	19	H	Laborer
20	20	H	Center Manager
21	21	H	Pipe Worker
22	22	H	Pipe Worker Apprentice
23	51	H	Marine Steel Fitter
24	61	H	Marine Engine Fitter
25	71	H	Carpenter
26	72	H	Painter / Blaster

Defining Shipyard Employees

1. Click on Environment on the main menu and
2. Select Accounting
3. Select Employees to open the Employee Data worksheet.



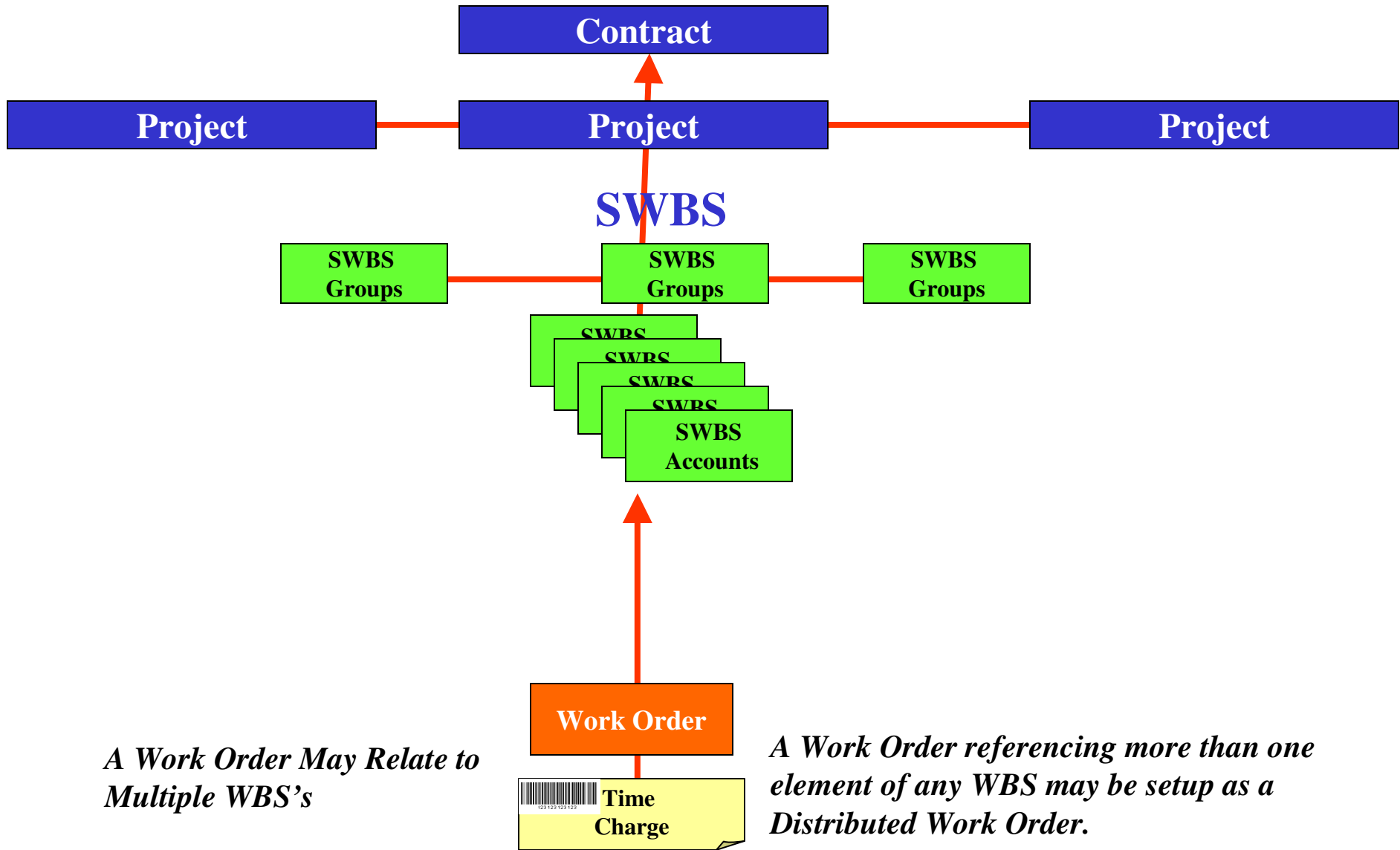
1. Click on the Add button  and enter the Employee IDs, names, etc. The user manual describes the various other information that can be defined in this
2. Click on the Save button 
3. Close the Work Center worksheet.

\$ Employee Information for the Accounting Environment										
Employee ID	Name	Home Trade	Home Center	Rate	Status	Manager	Buyer	Allow Time Entry	Badge Num	Charge Hand
1A	Demo	Demo	Spar Center	10.00	Active	No	No	Yes	A	No
29	W. Jackson	1	Pre-Move Hur	16.52	Active	No	No	Yes	9	No
38	J. Davis	1	Framing/Gener	16.52	Active	No	No	Yes	8	No
47	B. Davis	1	Indoor/Outdo	16.52	Active	No	No	Yes	7	No
56	D. Marshall	20	Pre-Move Hur	16.52	Active	No	No	Yes	6	No
65	D. Edwards	20	Indoor Humar	16.00	Active	No	No	Yes	5	No
744	T. Marshall	11	Indoor/Outdo	10.00	Active	No	No	Yes	44	No
843	L. Obinawa	11	General Setup	10.00	Active	No	No	Yes	43	No
942	T. Micheals	11	General Setup	10.00	Active	No	No	Yes	42	No
1041	L. Jenni	11	General Setup	10.00	Active	No	No	Yes	41	No
1140	P. Gaugan	9	Pre-Move Hur	0.00	Active	No	No	Yes	40	No
124	G. Morrison	20	Framing/Gener	5.00	Active	No	No	Yes	4	No
1339	L. Denkins	8	Indoor Humar	16.00	Active	No	No	No	39	No
1422	M. Keate	8	General Setup	0.00	Active	No	No	Yes	22	No

Starting a New Contract

At a minimum, a contract must have the following:

1. A Contract ID defined.
2. A Project ID defined (*there may be more than one project per contract*).
3. The Project WBS as defined by SWBS Groups and SWBS Accounts under the Groups. *Other WBS structures are optional.*
4. The Project Work Orders assigned to Project Work Centers and SWBS Accounts.



PERCEPTION enables a project to have more than one WBS. Typically for new construction, several different WBS formats are used simultaneously:

- 1. A WBS that identifies standard cost categories for the shipyard.**

These categories are standard across all contracts and allow the shipyard to monitor shipyard cost performance relative to other contracts.

Cost reports can be generated with the detailed cost items sorted and summarized by this shipyard WBS.

- 2. A WBS that identifies the cost categories spelled out in the ship owner's work specification.**

Cost reports can be generated with the detailed cost items sorted and summarized by this ship owner WBS.

For internal shipyard production planning and cost performance management, *PERCEPTION* offers the following Work Breakdown Structures:

- 1. System Work Breakdown Structure (SWBS)**
- 2. Product-Oriented Work Breakdown Structure (PWBS)**
- 3. Chart of Accounts (COA).**

Each has its own purpose and potential benefits for the shipyard

The *PERCEPTION* Contract Line Item (CLIN) is a WBS oriented around the ship owner's own breakdown of the spec sheet.

SWBS

System Work Breakdown Structure (SWBS) identifies the engineered ship systems and is one approach to cataloging costs.

SWBS often is used to estimate costs at early design stages. Later, the systems orientation should be translated to product and process orientation for detail construction planning and execution.

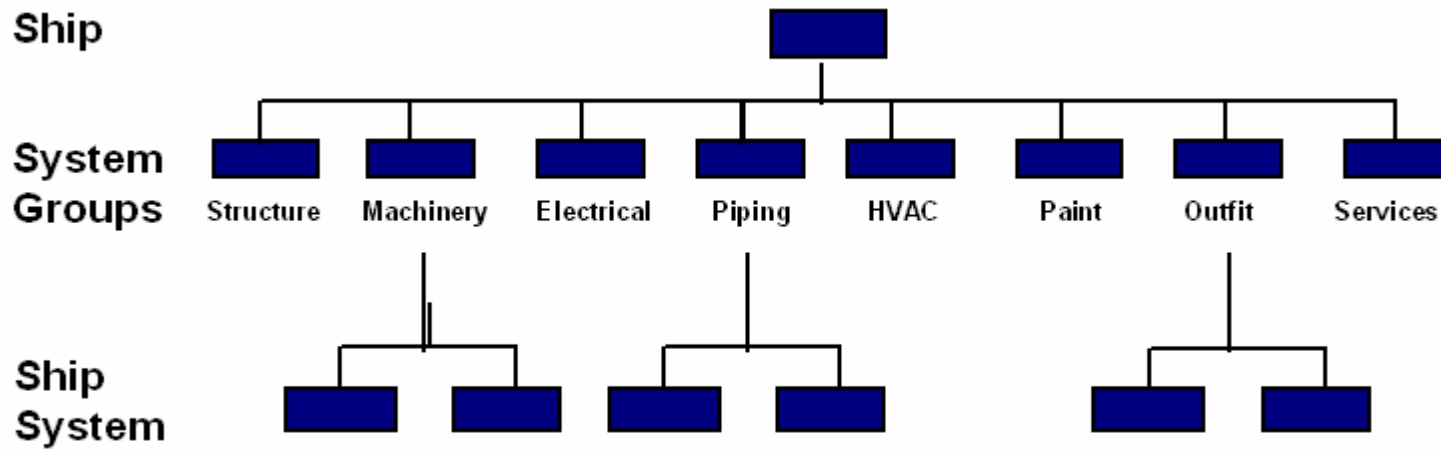
SWBS is a 2-level hierarchical structure of cost categories below the project.

- 1. SWBS Accounts, the lower level, summarize detail costs pertinent to a specific ship system, such as “Bilge & Ballast System.”**
- 2. SWBS Accounts that are similar in type of work are cataloged under SWBS Groups, such as “Piping Systems.”**

***PERCEPTION* accepts almost any SWBS scheme, including the U.S. Navy’s.**

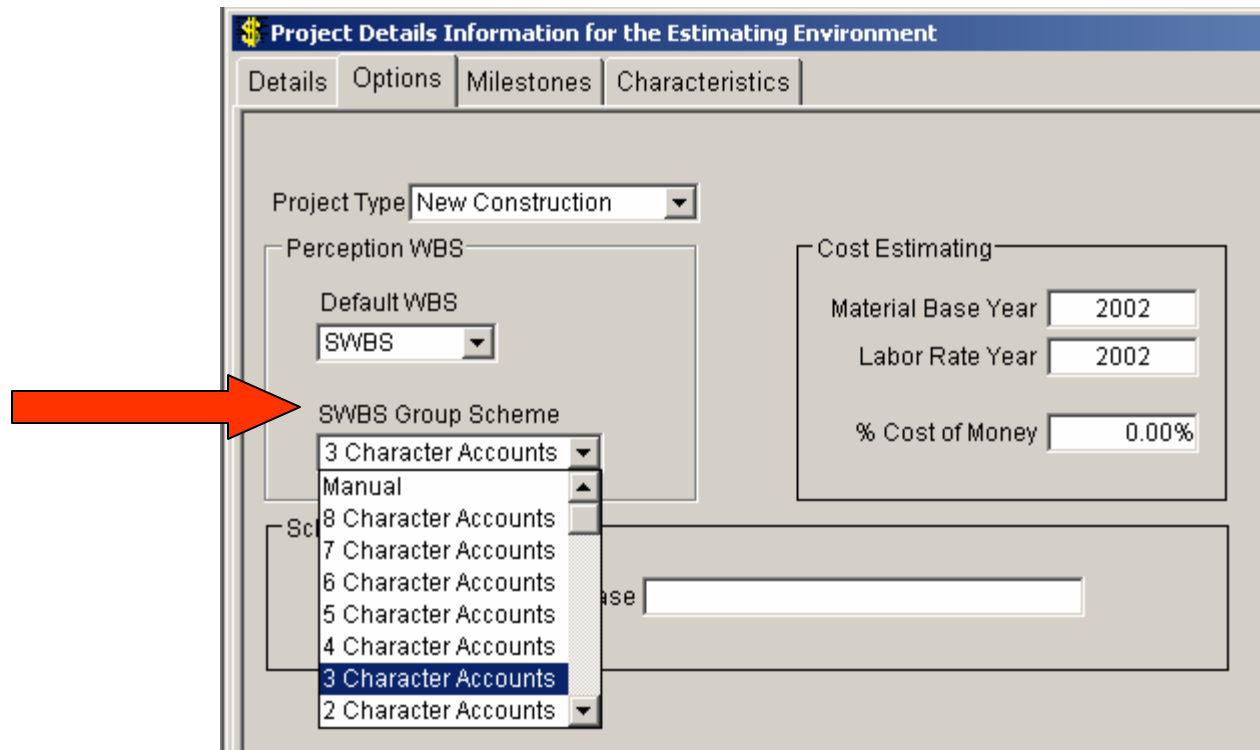
Each project on the system can be set up with a different set of SWBS categories.

System Work Breakdown Structure (SWBS)



SWBS can be set up using different numerical schemes.

Click on the *Options* tab of the project's *Detail* window and make the desired selection from the drop-down.



SWBS also can be alphanumeric (maximum 8 characters)

PWBS

Product-Oriented Work Breakdown Structure (PWBS) is used to plan and collect labor costs by production interim products and stage of construction.

PWBS allows the shipyard to organize and manage labor efforts more efficiently utilizing modern shipbuilding methods:

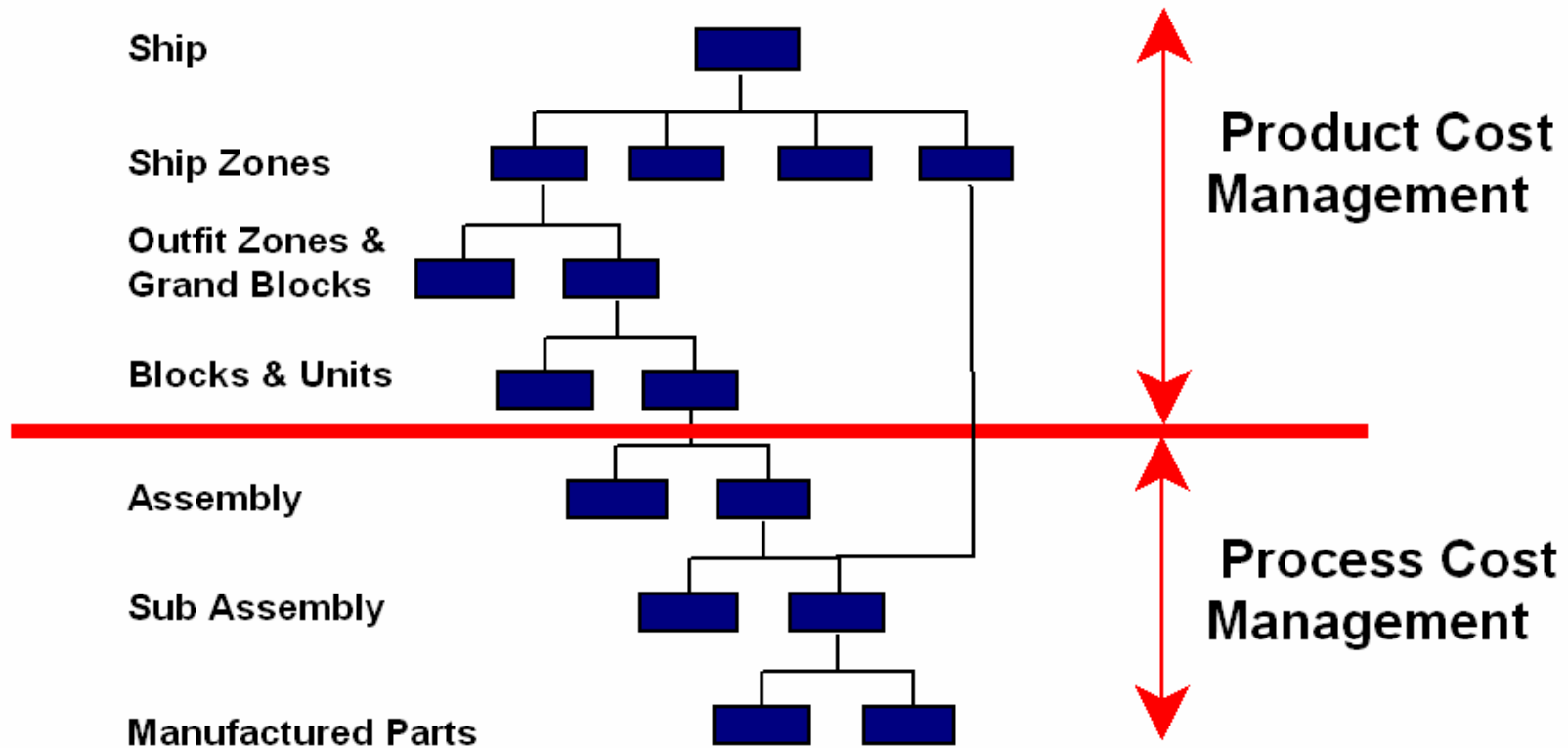
- 1. Pre-Outfitted Hull Block Construction**
- 2. Modular Construction**
- 3. Zone Outfit**
- 4. Group Technology Manufacturing.**

PWBS is a WBS that often uses 2-3 levels below the project, but may be extended to 6.

PWBS may be used only in areas of the cost estimate where they provide a benefit to the estimating process.

Each level of the PWBS can be given an alphanumeric identification (maximum 8 characters).

Product/Process Work Breakdown Structure (PWBS)

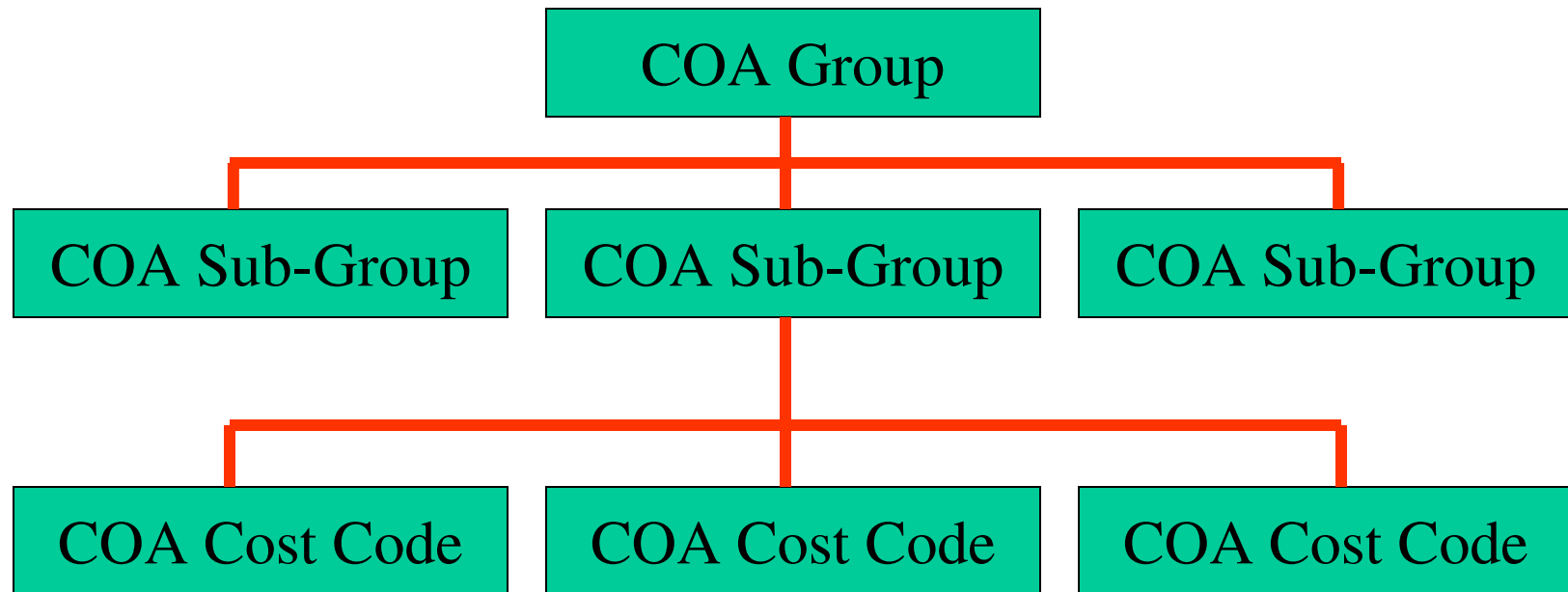


COA

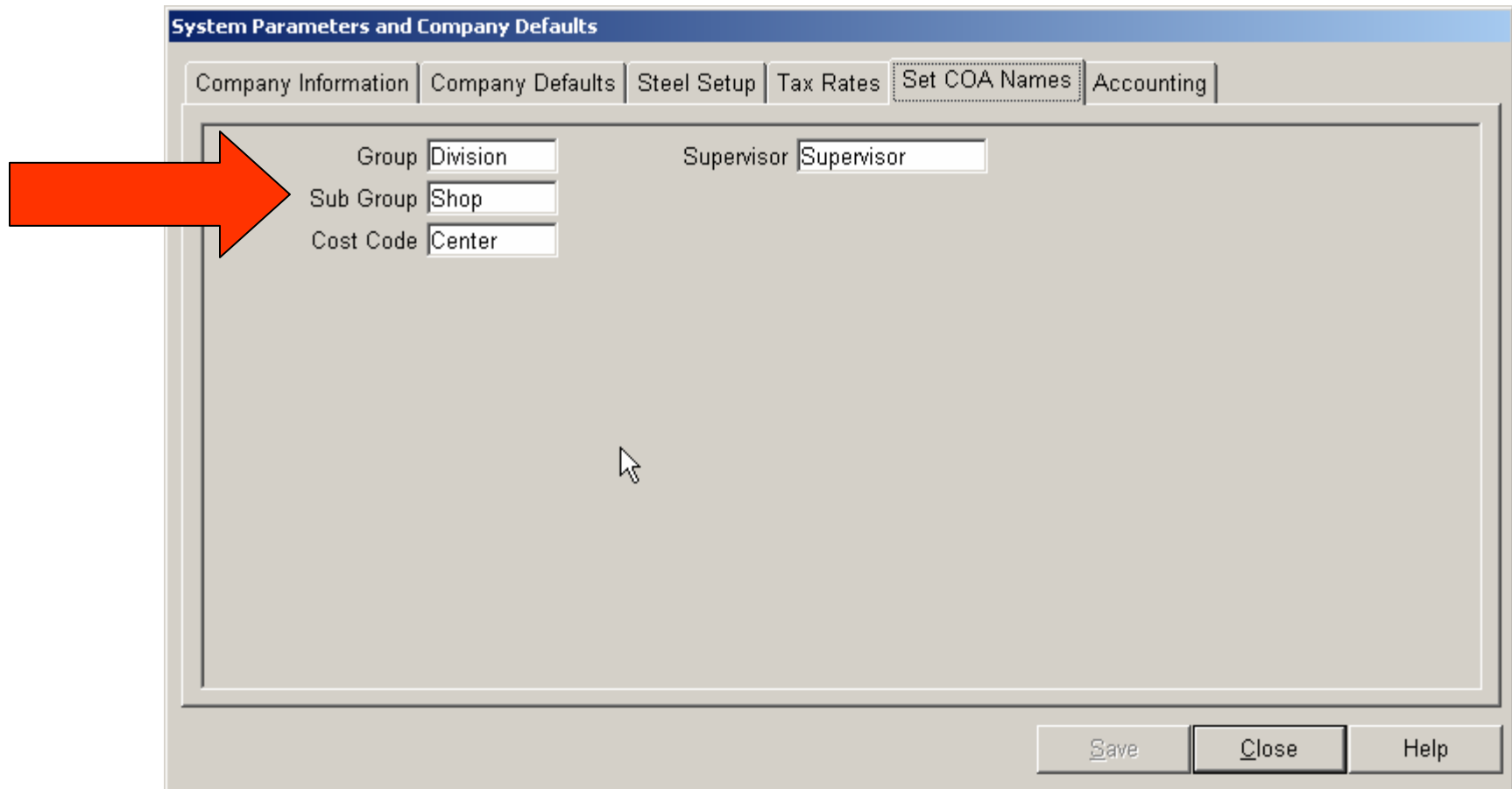
Chart of Accounts (COA) may be used to identify shipyard production processes and work centers.

COA is a WBS that can extend down 3 levels below the project.

Chart of Accounts (COA)



Names for the COA levels can be changed by clicking on *Library/Company Parameters* in the main menu and then opening the *Set COA Names* tab window.

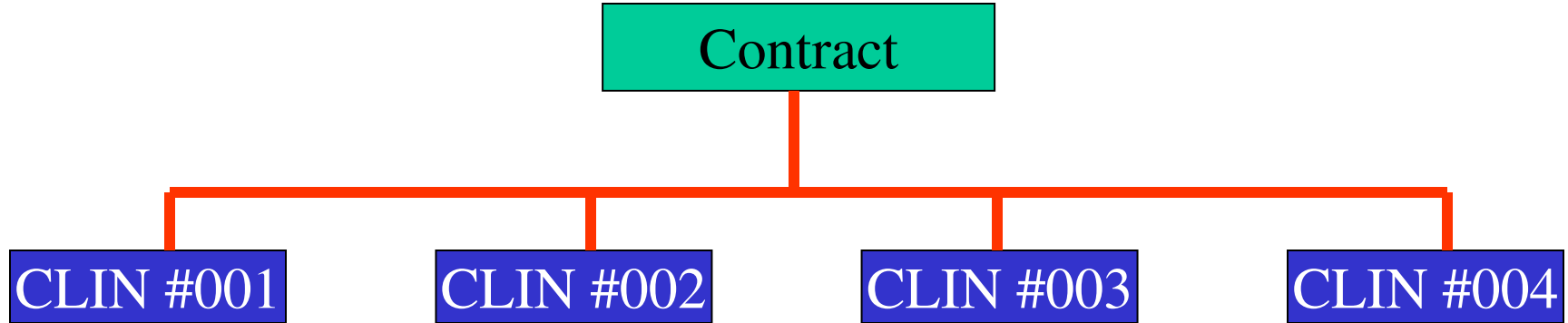


CLINs

CLINs are cost categories defined by the ship owner's bid specification.

Many bid specifications require the shipyard to respond directly to the ship owner's spec sheet organization.

CLINs are likely to be different from contract to contract.



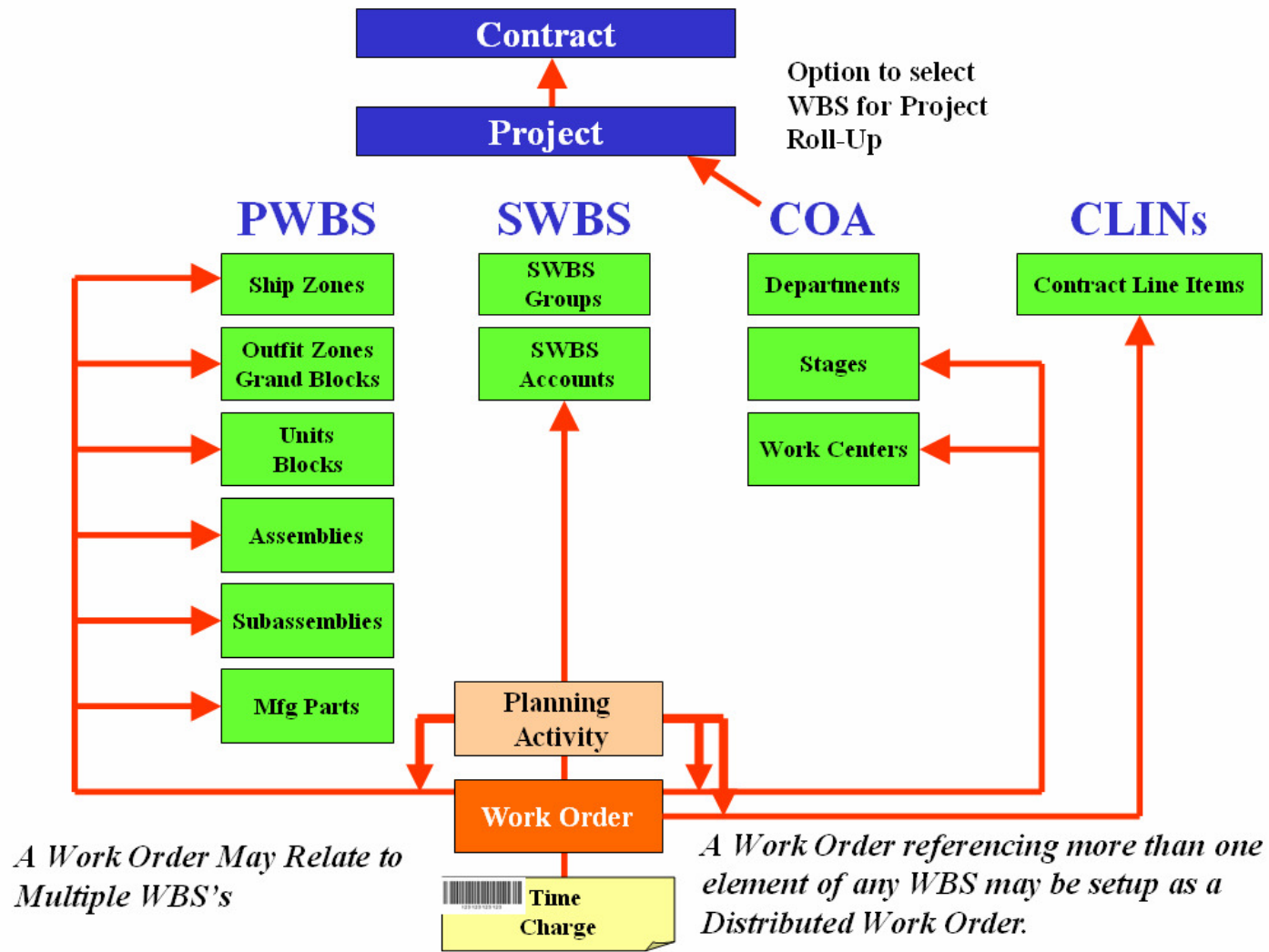
Unlike the WBS, which must be defined as separate sets for each project in a contract, CLINs are defined only under the contract.

All detail cost items of the estimate can reference any project WBS and any CLIN.

CLINs are available only on one (1) level.

Each CLIN can be given an alphanumeric identification (maximum 8 characters).

Flexible, Multi-View Work Breakdown Structures



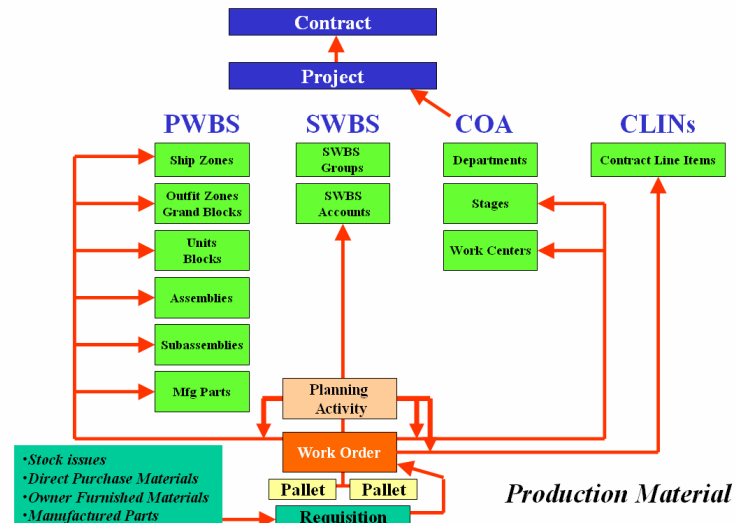
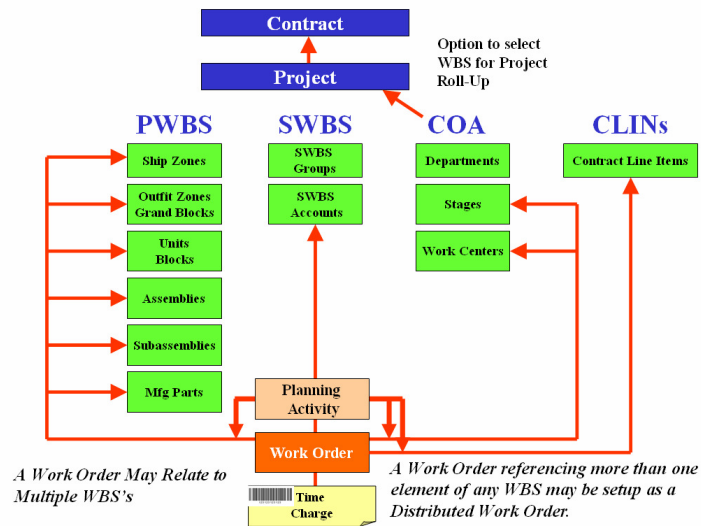
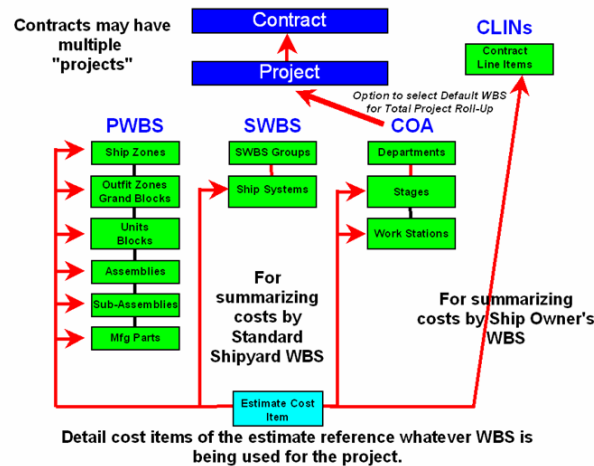
A Work Order May Relate to Multiple WBS's

A Work Order referencing more than one element of any WBS may be setup as a Distributed Work Order.

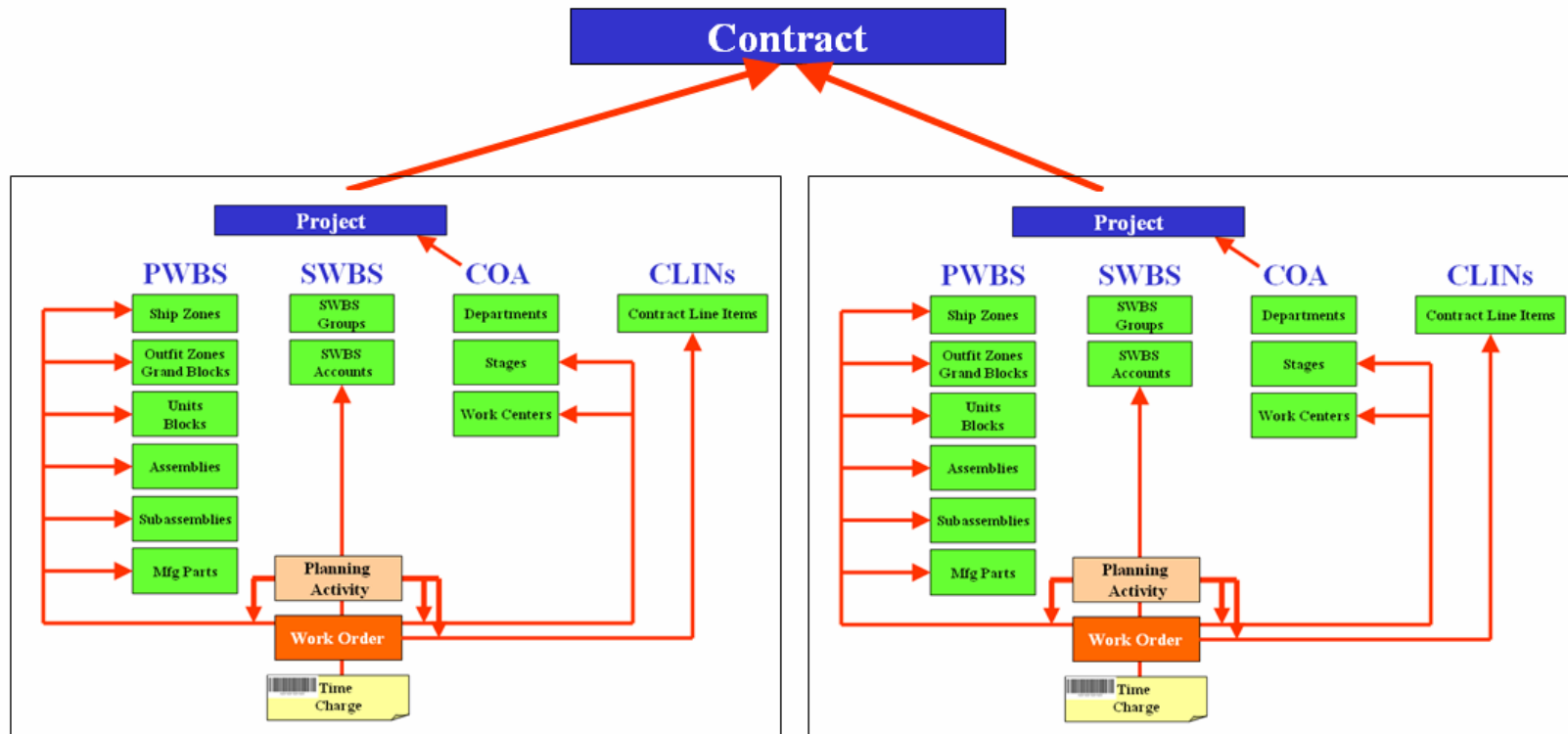
Summarizing Costs Up Through Various Work Breakdown Structures

Consistent & Compatible WBS for

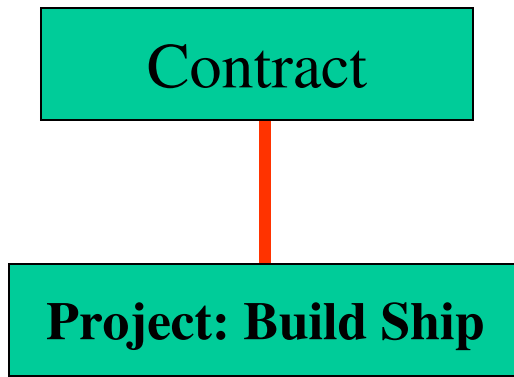
- Cost Estimates,
- Labor Cost Management &
- Material Cost Management



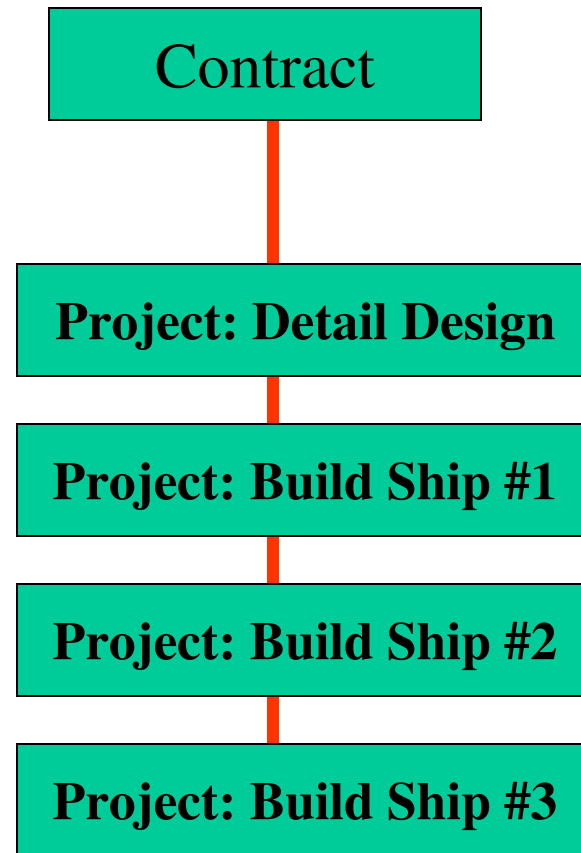
Multi-Ship Program Management Cost & Schedule Consolidation



Single Project Contract



Multiple Project Contract



PERCEPTION operates under different environments:

- 1. Estimating**
- 2. Planning & Scheduling**
- 3. Production Engineering**
- 4. Material Control**
- 5. Purchasing**
- 6. Stores Management**
- 7. Accounting**

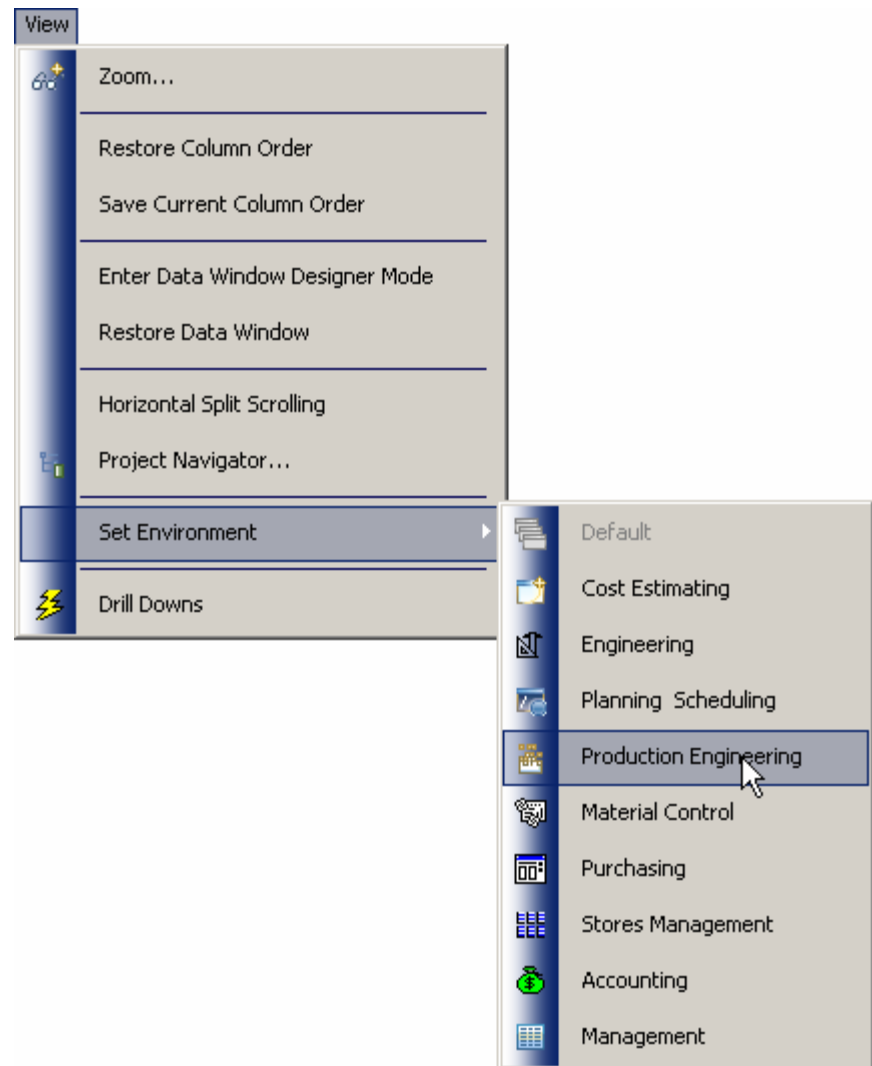
Each environment focuses on a general shipyard business function. Users are assigned to one or more environments.

New contracts, their WBS & Work Orders can be defined in the following environments:




- 1. Estimating**
- 2. Planning & Scheduling**
- 3. Production Engineering**
- 4. Accounting**

To create a new project, set the environment to one of the appropriate environments: for example, Production Engineering.

- Click on View in the main menu,
- Select Set Environment and
- Select Production Engineering.




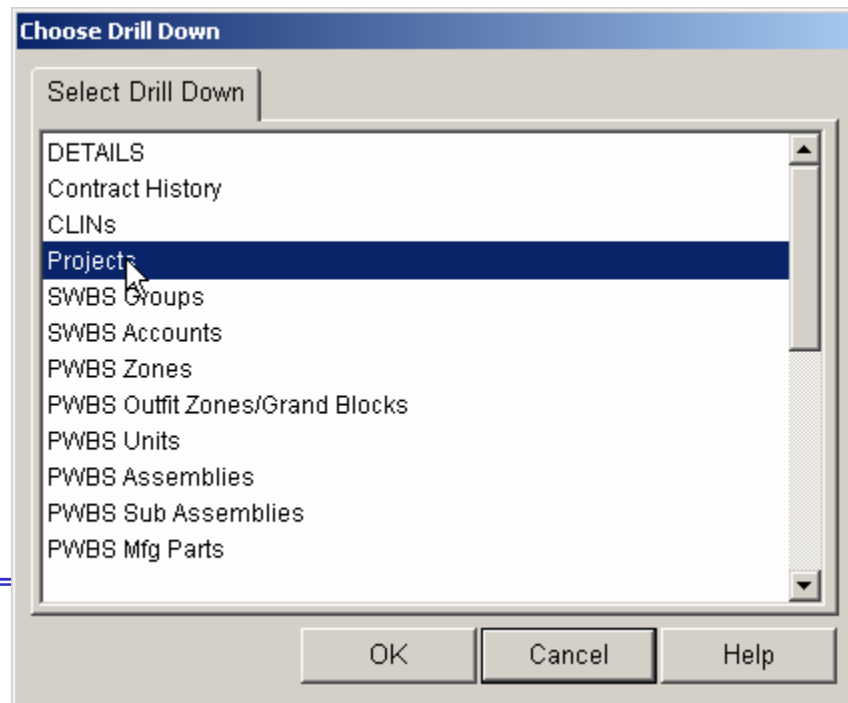
Defining the New Contract:

1. Click on the C-button  on the tool bar to open the contract worksheet.
2. Click on the Add button  and enter the Contract ID and description.
3. Click on the Save button  .

Contract Information for the Estimating Environment				
	Contract	Description	Customer	Manager
1	SAMPLES	Sample Projects	Fast-Cat Ferries	

Defining the Project(s) within the Contract:

1. Click on the contract row to highlight it.
2. Click on the Drill-down button  and select Projects to open the Project worksheet.




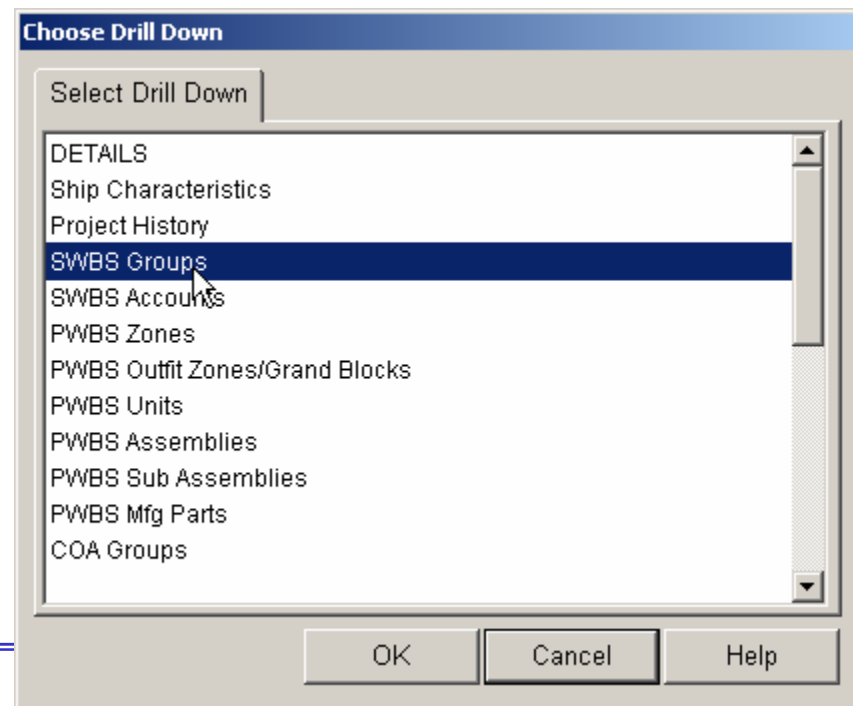
1. Click on the Add-button and for each project define the project ID and its description. Other information in the worksheet are optional.
2. Click on the Save button.

Project Information for the Estimating Environment			
	Contract	Ship Type	Description
1	SAMPLES	CG-WPB	46mPB 46 Meter CG Patrol Boat

Note that the Contract ID, because of the drill-down features, is automatically assigned to the project.

Defining the Project Work Breakdown Structure (WBS):

1. Click on the Project row to highlight it.
2. Click again on the Drill-down button  and select SWBS Groups to open the SWBS Group worksheet.



1. Click on the Add-button and for each SWBS Group define the SWBS Group ID and its description. Other information in the worksheet are optional.
2. Click on the Save button

\$ SWBS Group Information for the Estimating Environment				
	Contract	Project	Group	Description
1	SAMPLES	46mPB	1	Structures
2	SAMPLES	46mPB	10	Fees & Insurance
3	SAMPLES	46mPB	2	Propulsion
4	SAMPLES	46mPB	3	Electrical
5	SAMPLES	46mPB	4	Electronics & Navigation
6	SAMPLES	46mPB	5	Auxillary Systems
7	SAMPLES	46mPB	6	Outfit & Furnishings
8	SAMPLES	46mPB	7	Armament
9	SAMPLES	46mPB	8	Technical.Support
10	SAMPLES	46mPB	9	Shipyard Services

Note that the Contract ID and the Project Number, because of the drill-down features, are automatically assigned to the SWBS Groups.

Defining the Project SWBS Accounts:

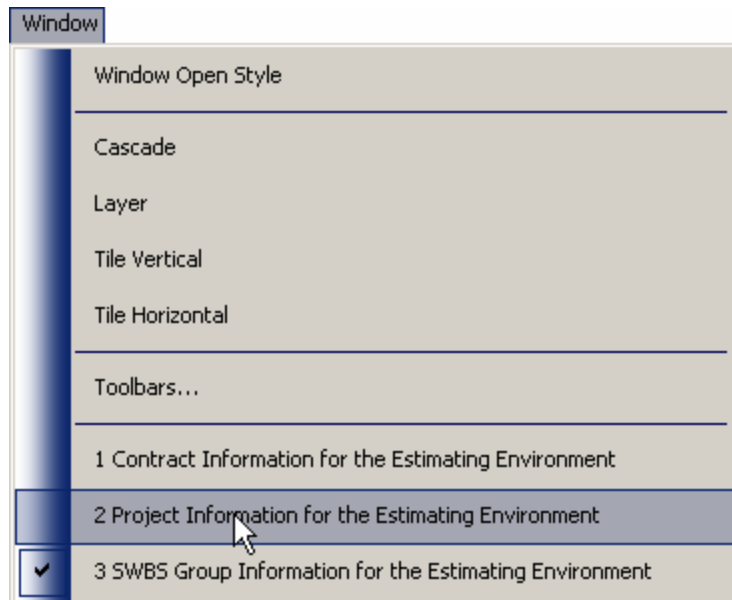
By the same procedure, you can drill down each SWBS Group (highlight it first) and define the various SWBS Accounts under the group.

An easier method for defining the SWBS Accounts is to re-open the Project worksheet and drill-down from the project to the SWBS Accounts. This may be an easier set of steps where all SWBS Accounts can be defined together. The system will automatically assign them to the proper SWBS Group.

This alternate method for defining SWBS Accounts assumes that the Accounts are based on a 3-digit numbering scheme, where the SWBS Group number is the leading digit of the SWBS Account number.

Other numbering schemes can be implemented as described in the user manual.

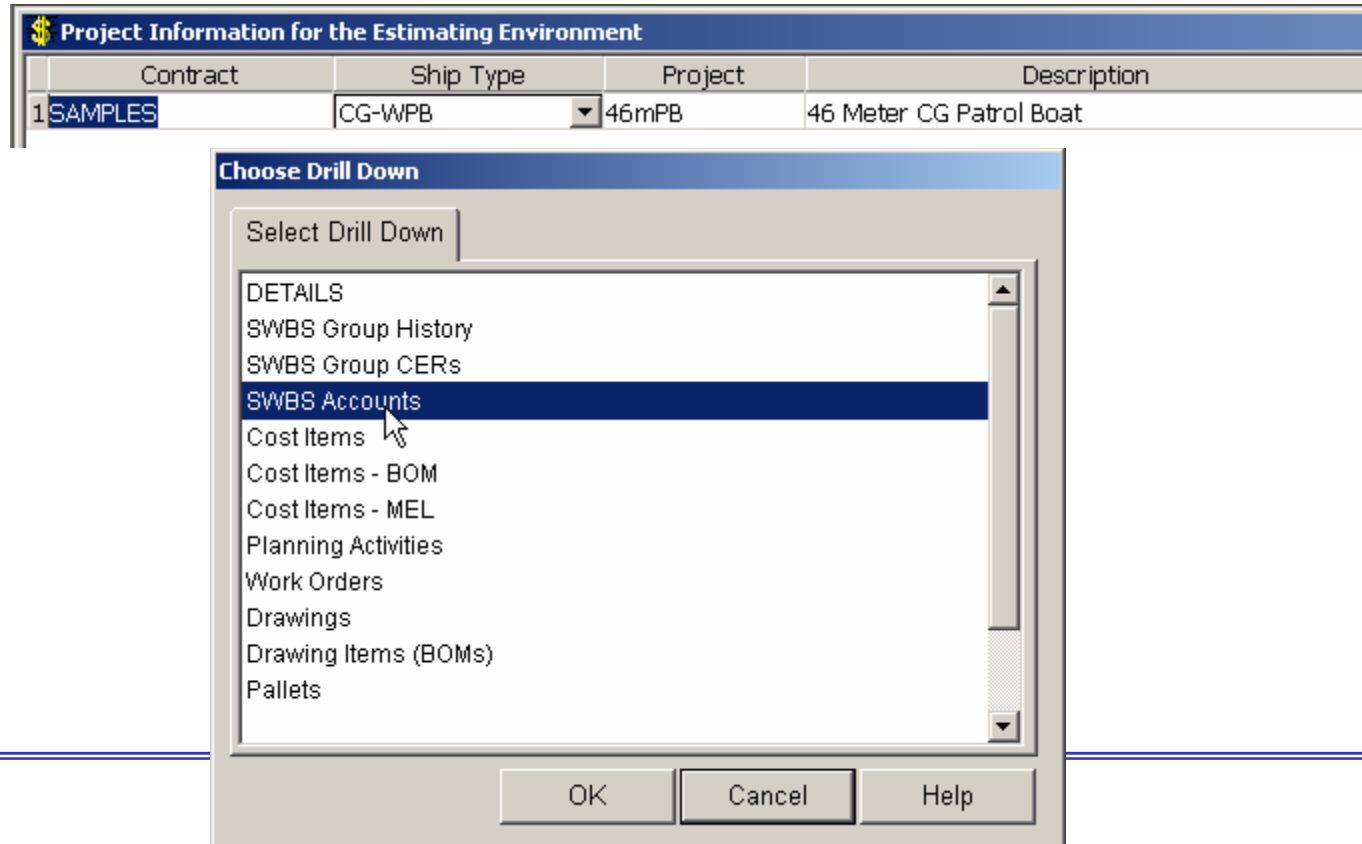
To re-open any window not closed, click on Window on the main menu and select which window to re-open.



Defining the Project SWBS Accounts:

Click on the project row to highlight it.

Click again on the Drill-down button  and select SWBS Accounts to open the SWBS Account worksheet.



1. Click on the Add-button and for each SWBS Account define the SWBS Account ID and its description. Other information in the worksheet are optional.
2. Click on the Save button

SWBS Account Information for the Production Environment						
	Contract	Project	Group	Account	Description	F
53	SAMPLES	46mPB	3	314	Electrical Generation	
54	SAMPLES	46mPB	3	316	Miscellaneous Electrical	
55	SAMPLES	46mPB	4	400	Electronics & Navigation	
56	SAMPLES	46mPB	4	402	Exterior Communications	
57	SAMPLES	46mPB	4	404	Interior Communications	
58	SAMPLES	46mPB	4	406	Navigation	
59	SAMPLES	46mPB	4	408	Misc	
60	SAMPLES	46mPB	5	500	Auxiliary Systems	
61	SAMPLES	46mPB	5	502	HVAC	
62	SAMPLES	46mPB	5	504	Engine Room Piping Systems	
63	SAMPLES	46mPB	5	506	Cargo Piping Systems	
64	SAMPLES	46mPB	5	508	Fire Protection Systems	
65	SAMPLES	46mPB	5	510	Habitation Piping & Services	
66	SAMPLES	46mPB	5	512	Deck Machinery	
67	SAMPLES	46mPB	5	514	Stabilizer Machinery	
68	SAMPLES	46mPB	6	600	Outfit & Furnishings	
69	SAMPLES	46mPB	6	602	Exterior Coatings	
70	SAMPLES	46mPB	6	604	Interior Coatings	
71	SAMPLES	46mPB	6	606	General Hull Outfit:	
72	SAMPLES	46mPB	6	608	Rescue & Life Saving Equipment	
73	SAMPLES	46mPB	6	610	Fire Fighting & Pollution Controls	

Note that the Contract ID, the Project Number, and the SWBS Group ID, because of the drill-down features, are automatically assigned to the SWBS Accounts.

Other WBS structures, such as the Product Work Breakdown Structure (PWBS), can be developed in similar fashion, starting under the Project level.

Special Note 1: The user manual describes other functions that will copy WBS structures from one project to another.

Special Note 2: The user manual describes how to paste into any system worksheet data from outside the system such as Microsoft Excel.

There are special requirements to ensure that the user sets the column order of the system worksheet to be the same as the column order of the incoming data being pasted.

If *PERCEPTION* is interfaced with an accounting system, each working project that will be processed with time charges, vendor invoices, and/or customer billings, will need to have the accounting interface setup.

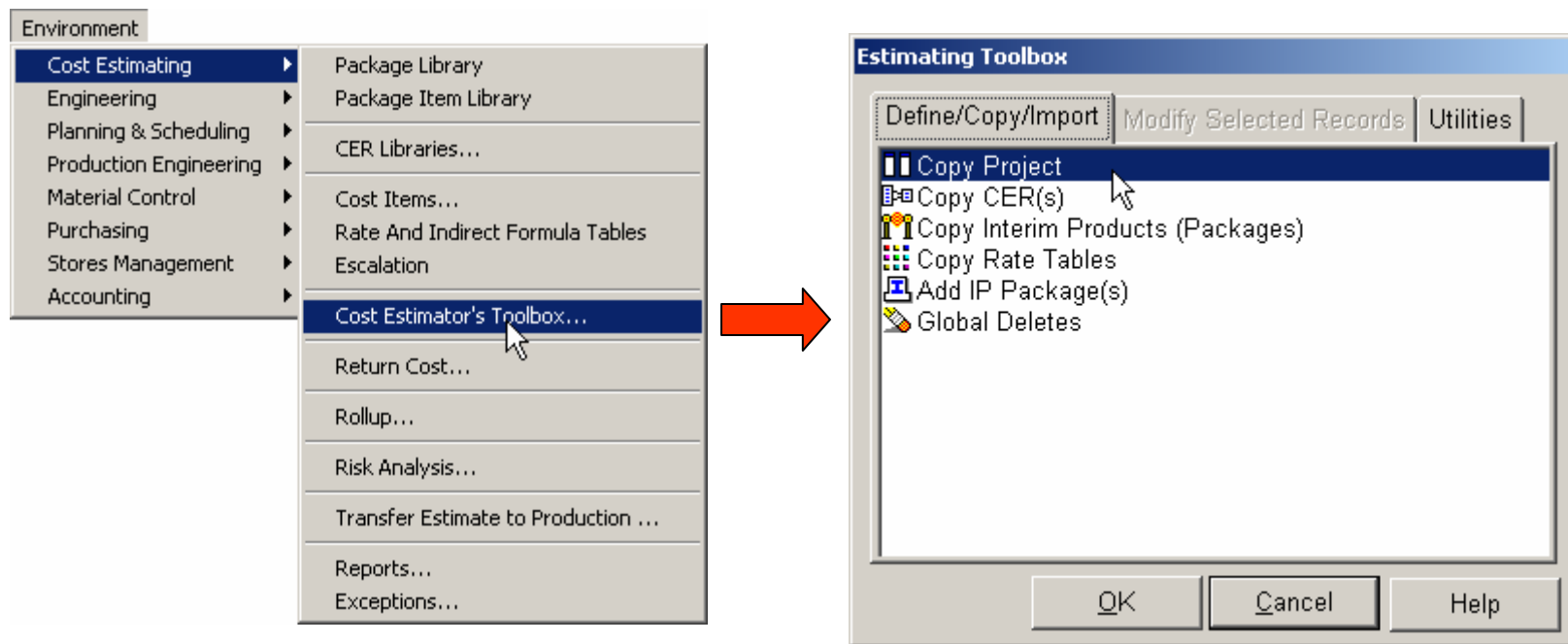
**The user should view the training tutorial,
“Project Accounting Interface Setup.”**

Copying From an Earlier Project

If an earlier project already has the SWBS and labor rate tables defined, it is easier to copy them to the new project.

Use the toolbox selection from the main menu:
Environment/Cost Estimating/Cost Estimator's Toolbox.

Then select *Copy Project*.



1. First, identify the contract and project from which to copy.

2. Then, identify the project to which WBS and/or rate tables are to be copied.

Copy Projects

From Contract: SAMPLE To Contract: C10502 Learning Curve: 100.00%

Copy from: 1 To Project: 5071

	From	To
Account	0	/ / / / / / / /
Zone	0	/ / / / / / / /
Outfit Zone	0	/ / / / / / / /
Unit/Block	0	/ / / / / / / /
Assembly	0	/ / / / / / / /
Sub Assy	0	/ / / / / / / /
Part	0	/ / / / / / / /
Center	0	/ / / / / / / /

Copy Options

- Include SWBS information when copying
- Replace existing SWBS information
- Include PWBS information when copying
- Replace existing PWBS information
- Include COAs when copying
- Replace existing COA information
- Include Cost Item information when copying
- Replace existing Cost Item information
- Include Rate Tables when copying
- Replace existing Rate Tables
- Apply Packages

OK Cancel Help

Click on the copy options desired, then click *OK* for the copy to proceed.

Using The New Contract Wizard

For contracts and projects already established on the *PERCEPTION* database, a wizard is available to copy them, in whole or in part, to create new contracts and/or projects.

It is an easy alternative to the steps outlined above.

The wizard takes the user through a series of windows to develop the following: contract, one or multiple projects, SWBS, PWBS, and/or COA, all copied from an existing project or projects.

For cost estimating, the wizard enables the user to

- 1. Declare what rate tables to use and**
- 2. Identify the ship characteristics that may be used for parametrically estimating costs, and**
- 3. List a set of standard interim product packages that may be used to automate large areas of the cost estimate.**

**For more information about this wizard, see
“*PERCEPTION Cost Estimating New
Construction & Ship Repair*” user manual.**

Other features are available from within the system to copy existing work orders, drawings and drawing bills of material, requisitions, and pallets.

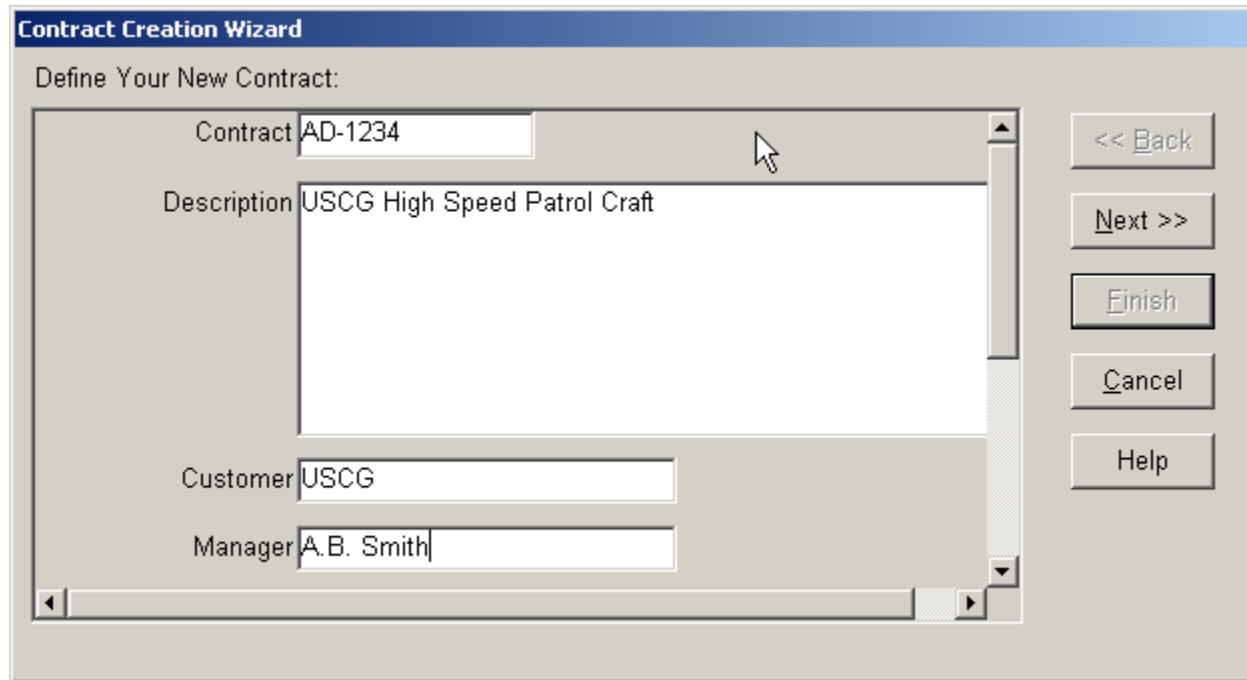
For details on these options, refer to “*PERCEPTION Labor/Manpower Planning & Cost/Schedule Management*” and “*PERCEPTION Material Planning, Purchasing & Inventory Control*” user manuals.

To access the wizard click on *File/New* from the main menu. The options are the following:

1. Create a new contract
2. Create a new project under an existing contract
3. Create a new contract via an interface with the U.S. Navy's concept ship design system named *ASSET*.



To create a new contract, select *New Contract Wizard*.



The screenshot shows a software dialog box titled "Contract Creation Wizard". The main area is labeled "Define Your New Contract:". It contains four input fields: "Contract" with the value "AD-1234", "Description" with the value "USCG High Speed Patrol Craft", "Customer" with the value "USCG", and "Manager" with the value "A.B. Smith". To the right of the input fields are five buttons: "<< Back", "Next >>", "Finish", "Cancel", and "Help". A mouse cursor is positioned over the "Contract" input field.

**Enter new contract ID and general contract description.
Other information is optional.**

When the information is complete, click on the Next button to proceed to the next step.

The next window allows the user to create one or more new projects under the contract.

Select Qty And Type Of Ships

Number of Ships In Contract: 6

Type of Ship(s) To Be Built: CG-WPB

Project ID and Description for New Ships

Project	Description
101	Lead Boat
102	Hull 102
103	Hull 103

Buttons: Add, Delete, << Back, Next >>, Finish, Cancel, Help

Fill in the number of projects (ships) and give them their project numbers and descriptions.

When the information is complete, click on the Next button to proceed to the next step.

The next window allows the user to copy WBS levels from selected projects already installed on the *PERCEPTION* database for the new project(s).

1. Click on the check boxes for those types of WBS required for the new projects.
2. Using the drop-down list for each type WBS, select the project from which the WBS is to be copied.
3. When information is complete, click on the *Next* button to proceed to the next step

Select Initialization Options For WBS

Select the Contract and Project to copy WBS and Options from:

SWBS Options

Initialize SWBS from Contract and Project selected below

A-DEMO, 1

PWBS Options

Initialize PWBS from Contract and Project selected below

A-DEMO, 1

COA Options

Initialize COA from the Contract and Project selected below

A-DEMO, 1

Options

Initialize Project Options, Rate Tables, and Accounting Options from the Contract and Project selected below

A-DEMO, 1

<< Back

Next >>

Finish

Cancel

Help

The next window allows the user to define the relevant ship characteristics for the new project(s).

Value	UoM	Characteristic	Description
8.0	Meters	Beam	Maximum Beam
40	KTS	CruiseSpeed	Cruise Speed
3.5	Meters	Depth	Depth of Hull
2.1	MTON	Displ-MT	Full Load Displacement
1.5	Meters	Draft	Designed Draft
45	Meters	DWL	Designed Waterline
.75	MTON	DWT	Dead Weight Tons
0.0	Meters	Freeboard	Freeboard draught
0.0	MTON	GRT	Gross Tonnes

This information is important to the cost estimating process if values from ship characteristics are to be used for estimates.

When the information is complete, click on the Next button to proceed to the next step.

The next window allows the user to define relevant standard interim product packages for the new project(s), if used.

This information is used only for developing project cost estimates.

If not required, click on the *Finish* button.

Otherwise, identify all required standard packages from the drop-down lists and assign the required package quantities.

Qty	Package	Zone	Unit
1.00	AHB01		
2.00	AHB51		
0.00	CAT-3054 NA		

When the information is complete, click on the Finish button.

Using The New Project Wizard

To add new/additional projects to an existing contract a wizard is available to copy them, in whole or in part, from existing projects.

It is a similar set of steps as outlined for the new contract wizard.

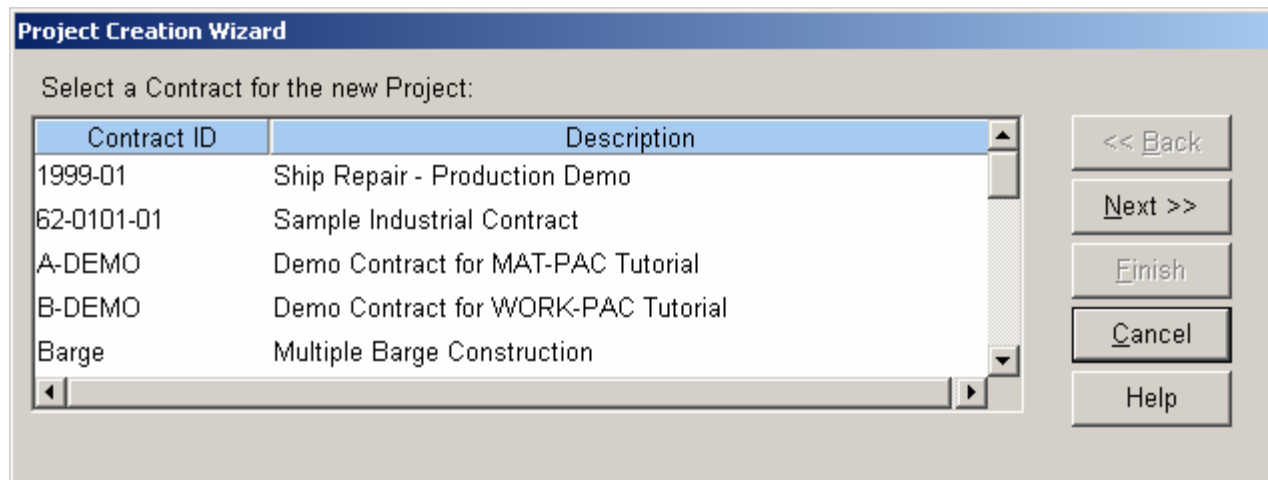
The wizard takes the user through a series of windows to develop the following: contract, one or multiple projects, SWBS, PWBS, and/or COA, all copied from an existing project or projects.

To access the wizard click on *File/New* from the main menu.

Select *New Project Wizard*.



The wizard will open a list of existing contracts under which the new project(s) is to be created.



Select the contract from the list, then click on the *Next* button to proceed to the next step.

The next window allows the user to copy WBS levels from selected projects already installed on the *PERCEPTION* database for the new project(s).

1. Click on the check boxes for those types of WBS required for the new projects.
2. Using the drop-down list for each type WBS, select the project from which the WBS is to be copied.
3. When the information is complete, click on the *Next* button to proceed to the next step

Select Initialization Options For WBS

Select the Contract and Project to copy WBS and Options from:

SWBS Options

Initialize SWBS from Contract and Project selected below

A-DEMO, 1

PWBS Options

Initialize PWBS from Contract and Project selected below

A-DEMO, 1

COA Options

Initialize COA from the Contract and Project selected below

A-DEMO, 1

Options

Initialize Project Options, Rate Tables, and Accounting Options from the Contract and Project selected below

A-DEMO, 1

<< Back

Next >>

Finish

Cancel

Help

The next window allows the user to define the relevant ship characteristics for the new project(s).

Value	UoM	Characteristic	Description
8.0	Meters	Beam	Maximum Beam
40	KTS	CruiseSpeed	Cruise Speed
3.5	Meters	Depth	Depth of Hull
2.1	MTON	Displ-MT	Full Load Displacement
1.5	Meters	Draft	Designed Draft
45	Meters	DWL	Designed Waterline
.75	MTON	DWT	Dead Weight Tons
0.0	Meters	Freeboard	Freeboard draught
0.0	MTON	GRT	Gross Tonnes

This information is important to the cost estimating process if values from ship characteristics are to be used for estimates.

When the information is complete, click on the Next button to proceed to the next step.

The next window allows the user to define relevant standard interim product packages for the new project(s).

This information is used only for developing project cost estimates.

If not required, click on the *Finish* button.

Otherwise, identify all required standard packages from the drop-down lists and assign the required package quantities.

Qty	Package	Zone	Unit
1.00	AHB01	[dropdown]	[dropdown]
2.00	AHB51	[dropdown]	[dropdown]
0.00	AHB1 NA	[dropdown]	[dropdown]

When the information is complete, click on the Finish button.

Setting Up Projects For Accounting System Interface

When *PERCEPTION* is interfaced with accounting systems, a table of General Ledger (G/L) accounts must be defined so that the two systems can communicate transactions correctly.

For instructions on setting up the accounting interface and the G/L accounts, please refer to the the following tutorials:

- 1. Setting Up Accounting Interface**
- 2. Setting Up Projects For Accounting Interface**