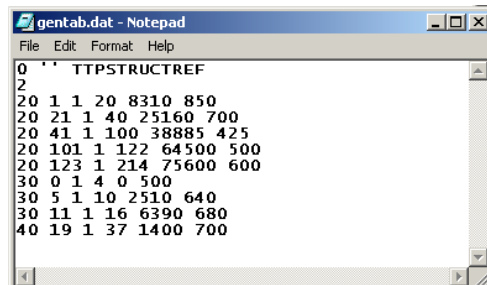# 1   Outfit Set-up & Customisation

This Chapter deals with some of the important steps required in order to customise the set-up of a project from an Outfitting perspective. We will look at each discipline in turn starting with two general applications.

## 1.1   Using Frame Numbers in the Outfitting Systems

Typically the Hull users create a frame table at the start of each project. The values are stored in an object with the name **__SBH_GENTAB__** in the SB_OGDB database
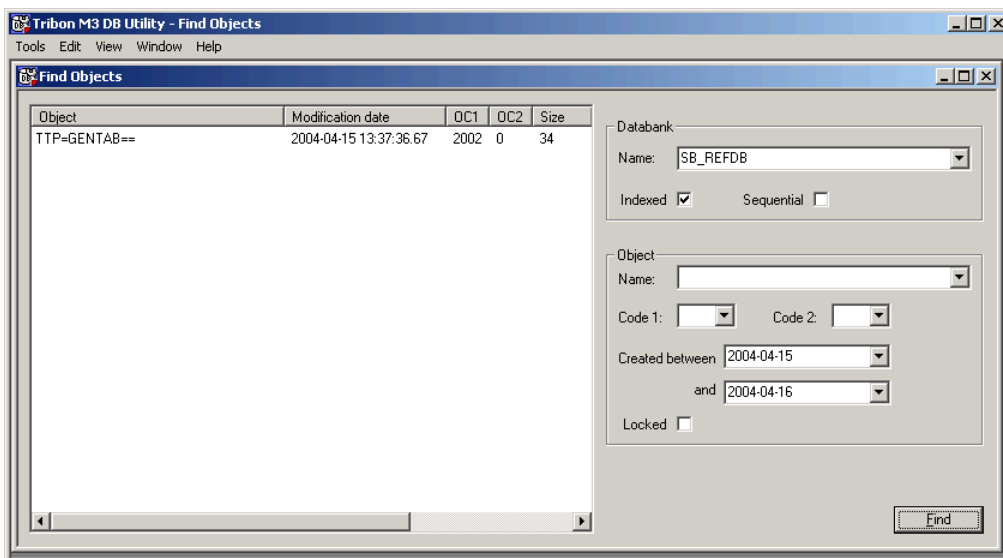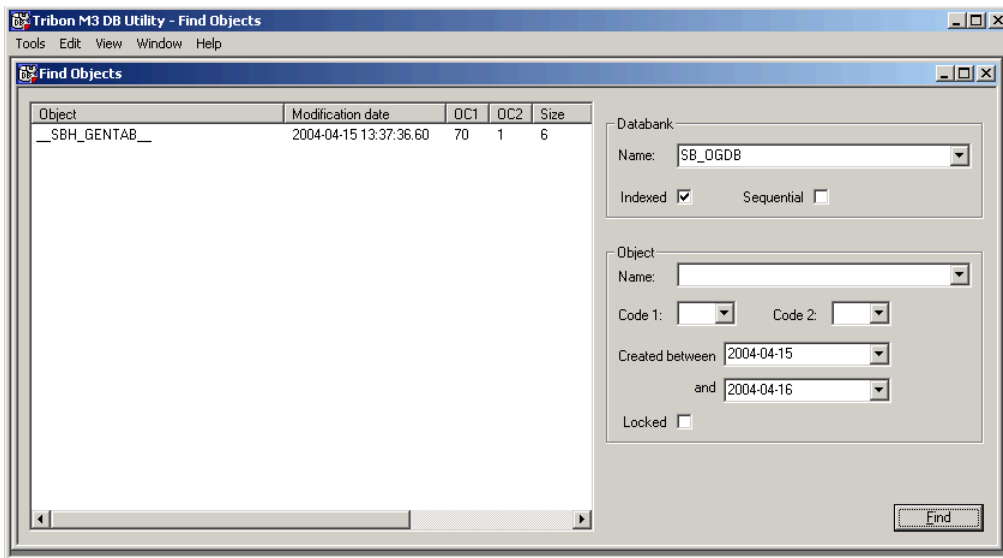
It is normal that the frame table values are written in a file as below which becomes input to the **Initiate Hull Standards** application: -

📖 *See the Hull Manager Training Guide for full details of the input file.*
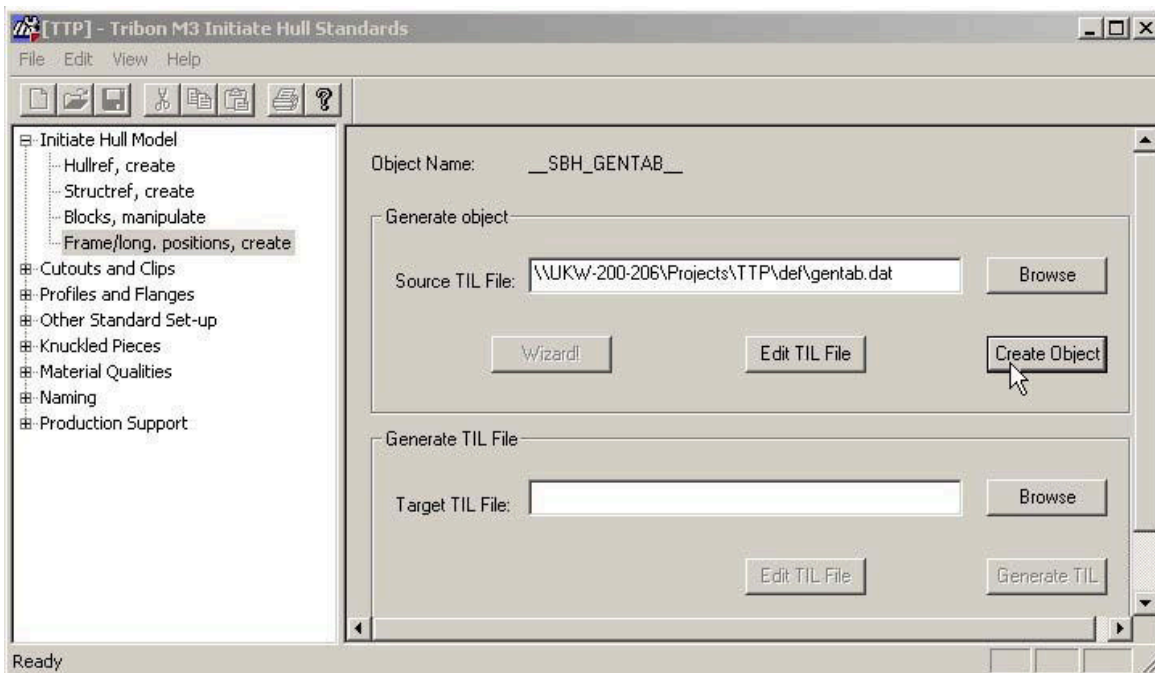
This creates table objects in two databanks: -

- ■ SB_OGDB to be used by the Hull System   **__SBH_GENTAB__**
- ■ SB_REFDB to be used by Outfitting systems   **<PROJ>=GENTAB==**

1.2 Define Model Co-ordinates, sx001
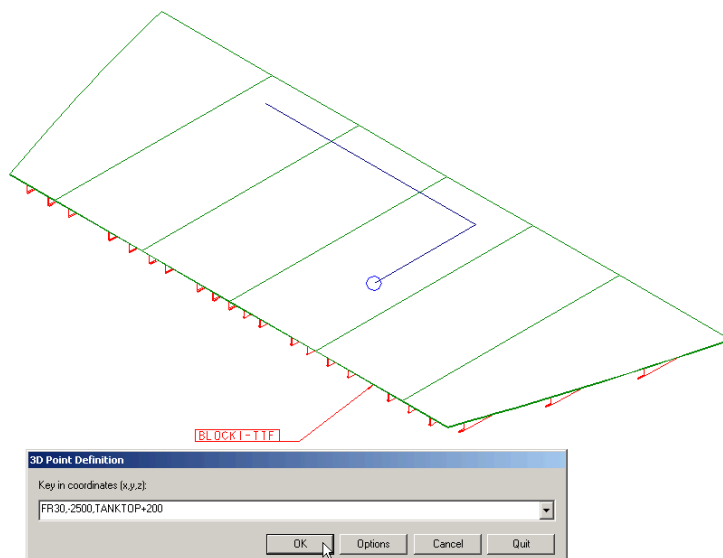
The purpose of this program is to define co-ordinates and planes that later can be referred to in the Tribon Outfit modelling systems. So, for example, one can then refer to waterlines, decks etc instead of always using absolute co-ordinates (distances from the ships origin where x=0,y=0,z=0).

1.2.1 Environment
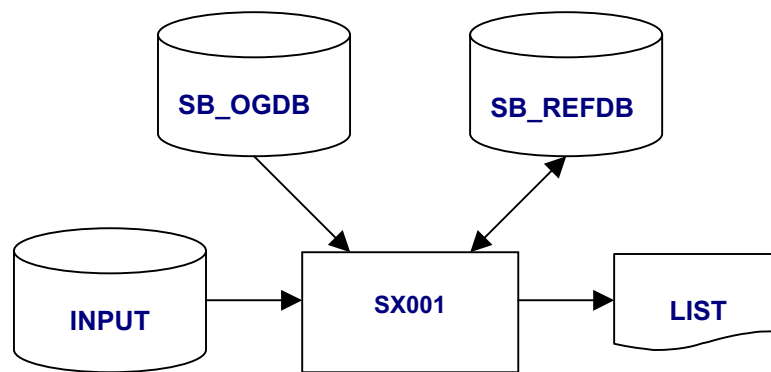
1.2.2 Types of Planes

The planes can be of the following kinds: -

- Named Co-ordinates
- Frame Planes
- Waterline Planes
- Buttock Planes
- Hull Planes

Co-ordinates can be defined directly via input to the program. While the other planes are fetched from the Hull system.

1.2.3 Input File syntax

There are two statement keywords: -

- IDENT
- REFERENCE

1.2.4 The IDENT Statement

This statement contains information valid for the whole program. The given project name will be used to define the names of the created objects, when stored in SB_REFDB.

`[,<id>]`   User identification string (maximum 26 characters). This string is optional.

`/PROJECT=<projid>`   <projid> Project identification string (maximum 26 characters).

Example: `IDENT,'Joe Bloggs'/PROJECT='TTP';`

1.2.5 The REFERENCE Statement

This statement is used to define all coordinate references to the TRIBON Hull data bank and to create new planes and coordinates.

`[,<refid>]` String maximum 26 characters long. It defines the name of the coordinate. It must always be given except when a coordinate table is defined.

`[/XTAB=<hull table name>]`   Define a x-coordinate table to be fetched from TRIBON Hull.
`[/YTAB=<hull table name>]`   Define a y-coordinate table to be fetched from TRIBON Hull.
`[/ZTAB=<hull table name>]`   Define a z-coordinate table to be fetched from TRIBON Hull.

`<hull table name>`   Name of object in TRIBON Hull containing coordinate tables

.Example: `REF/ZTAB='TTPZTAB';`

`[/X=<coordinate>]`   Define an x-value with the name <refid>.
`[/Y=<coordinate>]`   Define an y-value with the name <refid>.
`[/Z=<coordinate>]`   Define a z-value with the name <refid>.

`<coordinate>`   Coordinate value.

Example: `REF,'FPS'/X=103600;`

`[/PANEL=<panel name>]` Defines a panel to be used as a coordinate reference plane. The reference name will be <refid>.

`<panel name>` Name of hull panel (string maximum 26 characters long).

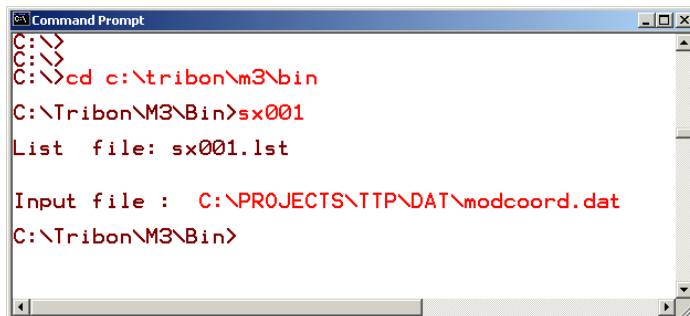Example: `REF,'BHDA'/PANEL='SB512-3';`

1.2.5.1 Example input file

```
IDENT,JB/PROJECT=TTP;
REF, 'TANKTOP'/PANEL='BLOCK1-TTF';
REF, 'UPPERDECK'/Z=20000;
REF/XTAB='TTPXTAB';
REF/YTAB='TTPYTAB';
```

1.2.5.2 Result

The coordinate references are stored in the SB_REFDB. A result list, MODCOORD.lst, is created showing the input statements and messages from the program.
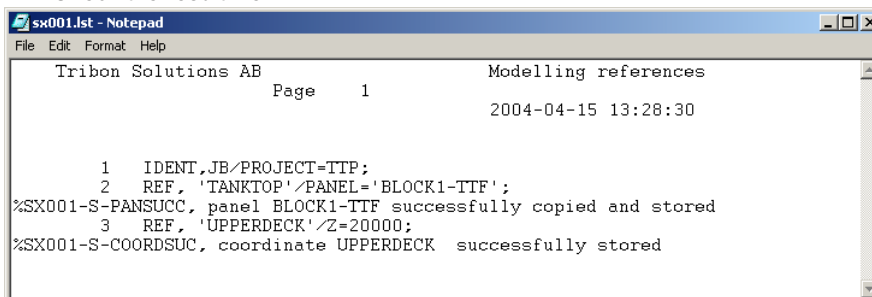
Worked Example, Define Model Co-ordinates

■ Open a DOS window and go to the M3 bin directory. Then run SX001: -

■ Check the result file: -

■ Then using the Tribon M3 DB utility, check the objects in the Reference database: -

ⓘ The default COORD_TRANS in the drafting default file SBD_DEF1 can be varied so as a 3D co-ordinate dimension can display these references.

📖 Refer to the Drafting User Guide for full