



Introduction to NAPA System

General

- Handling of all types of floating structures
- All geometry definitions based on a 3D ship model
- Single database, multi-user environment
- Wide variety of naval architectural calculations
- More than 40 links and interfaces



General Information

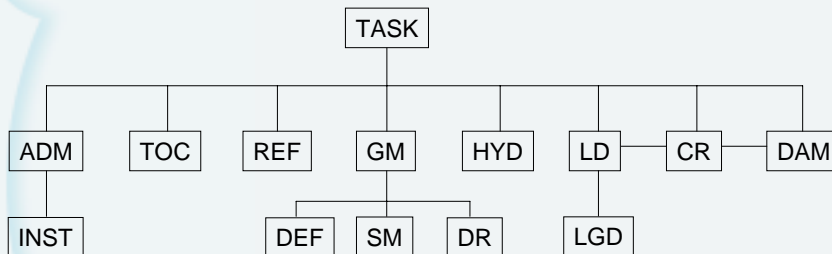
- NAPA is originally a command oriented program
- Detailed and dynamic Graphical User Interface (GUI) simplifies the learning process and speeds work
- NAPA contains several subsystems e.g. Geometry, Loading Conditions, Damage Stability etc.
- Subsystems perform tasks which are functions related to ship design



3 © Napa Ltd 2006

Subsystems of NAPA

- Simplified presentation of the subsystems:



- Command **END** brings back one level
- Command **!END** brings back to TASK level

4 © Napa Ltd 2006

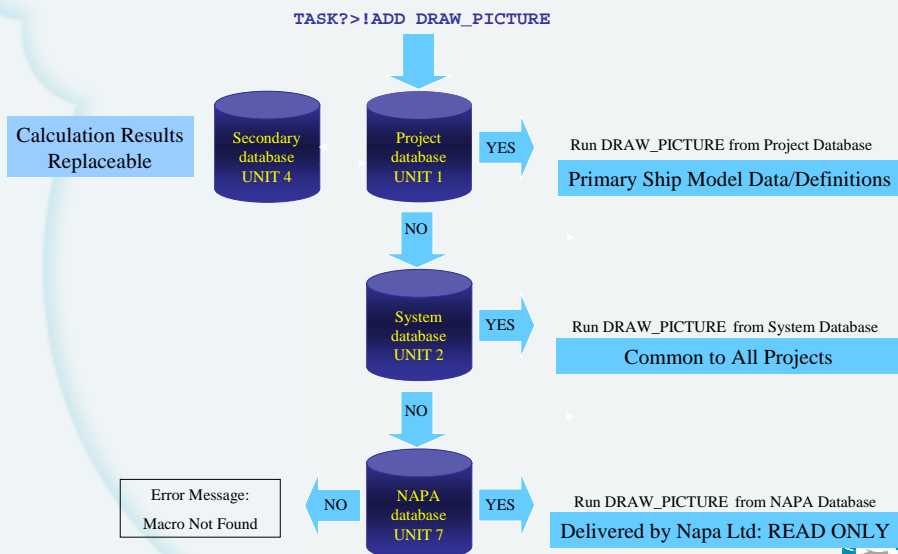


HELP functions in NAPA

- **!COM** relevant task-specific commands
- **!EXP** command explanation
- **!COM !** transparent commands
- Introduction to NAPA
- Online Manuals
- Help Viewer



Files and Units



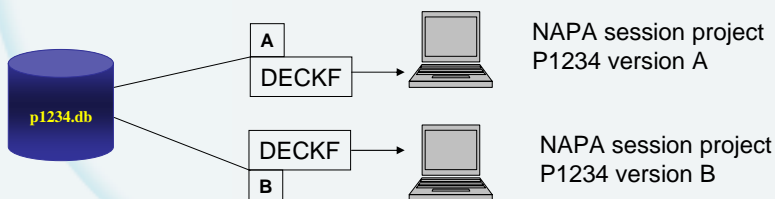
File names

- The units can be found as 4 separate binary files located in Napa¥pr directory
 1. project.db (project database, UNIT 1)
 2. project.sd (secondary database, UNIT 4)
 3. sysdb.db (system database, UNIT 2)
 4. napadb061.db (NAPA database, UNIT 7)
- The name of the NAPA database is related to the release used



Projects and Versions

- Data is organized into PROJECTS and VERSIONS
 - One project can contain several versions
 - One version is used as default
 - List of existing versions can be seen with command **!VER LIST**



Reference system

- Each version has its own reference system which provides some basic information about the ship
- The following parameters are absolutely necessary:
 - AP, FP fore and aft perpendiculars
 - LREF reference length
 - BREF reference breadth
 - TDWL design draught
 - XREF x-coord. of midpoint (where draught defined)
 - Initial frame spacing



Reference system

- The parameters stored in the reference system are divided into the following groups
 - reference dimensions
 - frame system
 - names of key objects
 - control and conventions
 - background and identification
 - various parameters



Reference system

- The following commands can be used to see the reference parameters

LIST

LIST ALL

LIST ALL +

- The initial reference system is created on the basis of the installation parameters or the model reference system



Starting a NAPA session

- Start by Logging into NAPA
- Users must be defined!
ADMI already exists
- New users are created in ADM → INST Task

A screenshot of the 'NAPA Login' dialog box. It has a blue title bar with the text 'NAPA Login' and a red close button. The dialog contains three text input fields: 'User id:' with the text 'AHP' entered, 'Password:', and 'User Profile:'. At the bottom, there are two buttons: 'OK' and 'Cancel'.