



# Introduction to NAPA System

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## General

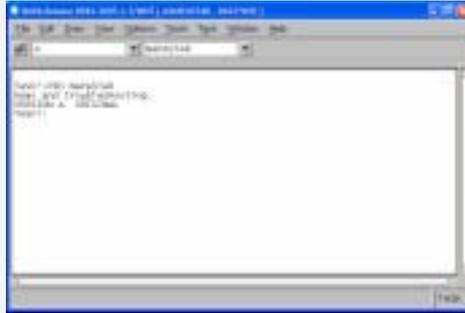
- Handling of all types of floating structures
- All geometry definitions based on a 3D ship model
- Single database, multi-user environment
- Wide variety of naval architectural calculations
- More than 40 links and interfaces

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# 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

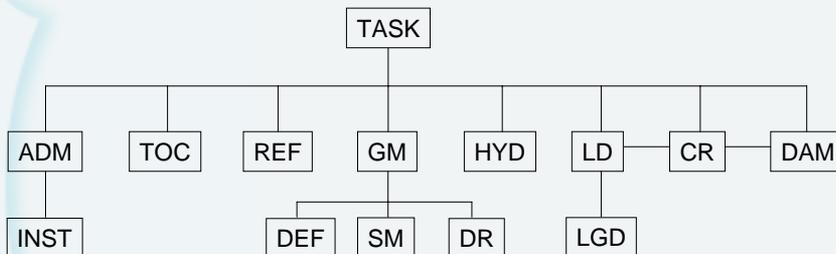


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# Subsystems of NAPA

- Simplified presentation of the subsystems:



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

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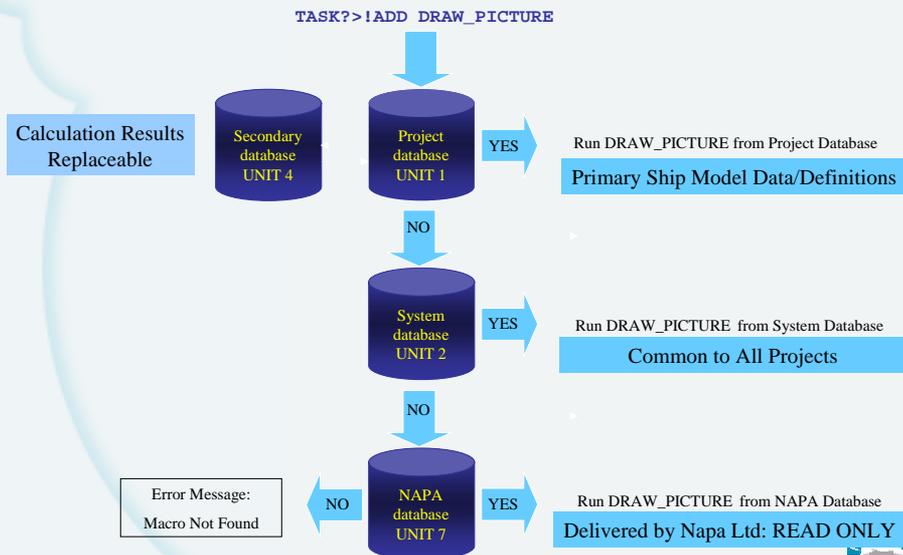


# HELP functions in NAPA

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



# Files and Units



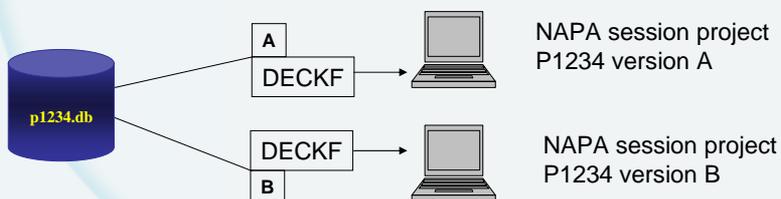
## File names

- 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 a Windows-style dialog box titled "NAPA Login". It features three text input fields: "User id:" containing the text "AHP", "Password:" which is empty, and "User Profile:" which is also empty. At the bottom of the dialog, there are two buttons: "OK" and "Cancel".