



Powered by NAPA

# ClassNK

**PrimeShip-NAPA Manager**  
- ClassNK Manager -

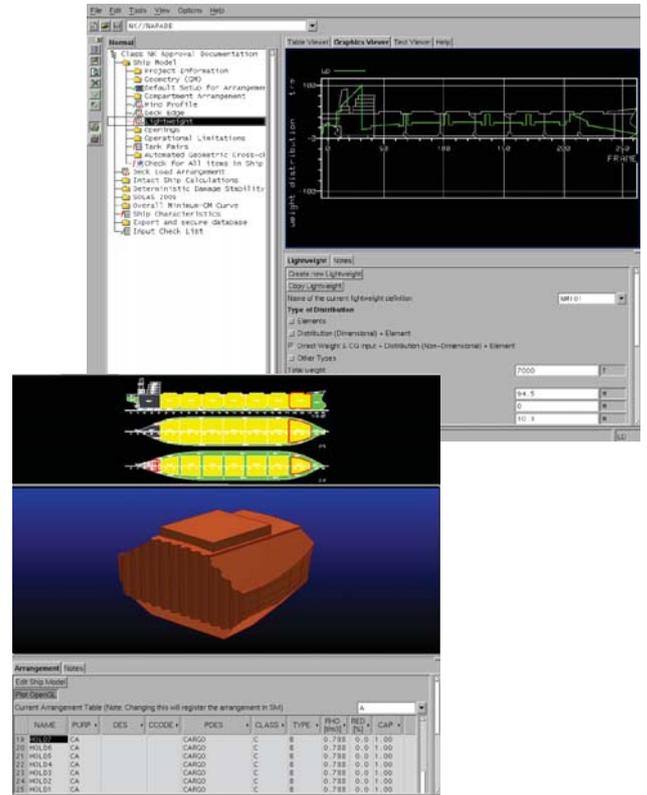


# PrimeShip-NAPA Manager (ClassNK Manager)

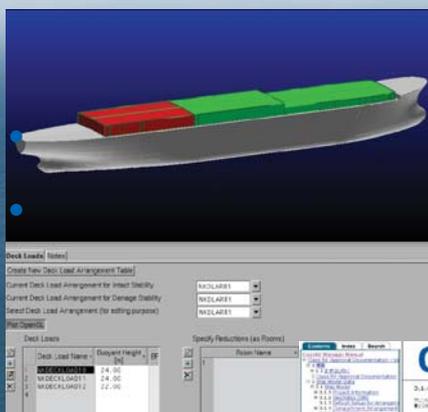
- PrimeShip-NAPA Manager is NAPA-based application created to improve the efficiency of ship design and speed the classification approval process.
- Called "ClassNK Manager" within NAPA applications, PrimeShip-NAPA Manager allows users to easily perform statutory compliance calculations such as stability and longitudinal strength calculations using NAPA 3D models. PrimeShip-NAPA Manager can also be used to create the intact stability booklets, damage stability booklets, and loading manual booklets required for ship registration and classification.

## Main Concepts

- PrimeShip-NAPA Manager has been designed for user friendliness, making data input an easy process and allowing users to graphically check input data.
- PrimeShip-NAPA Manager does not require the use of NAPA commands and can be used without special training.
- PrimeShip-NAPA Manager provides standard formats for stability booklets and loading manuals that can be used "as-is" without modification.
- Simple work flow charts show the items required



- by statutory rules for every type of ship.
- Stability calculations and longitudinal strength calculations can be performed according to the latest regulations including Convention Regulations, IACS Unified Requirements, and ClassNK Rules.
- Timber loads on deck can be taken into account for both intact and damage stability calculations.
- Online help manuals are available not only in English, but also in Japanese, Korean and Chinese.



# Key Features

- 3D Model Check  
User can visually check data using NAPA 3D compartment models.
- Input Data for Statutory Calculations  
Users can easily define light weight distribution, openings, visibility check positions and other items for calculation via the graphical user interface (GUI).
- Perform Statutory Calculations
  - Intact stability (IS Code 2008, including timber deck cargo loading)
  - Longitudinal strength (including IACS UR shear force correction)
  - Deterministic damage stability (LL, MARPOL, IBC, IGC etc)
  - Probabilistic damage stability (SOLAS II-1 Part B-1, including timber deck cargo loading)
- Create Delivery Documents
  - Stability Information
  - Loading Manuals
  - Damage Stability Calculation Booklets
- Data Compatibility  
Data Import/Export support for CSV files.
- NAPA Data Security  
NAPA 3D data can be securely encrypted before submission to ClassNK, preventing access by third parties.
- Online Manuals available in four Languages  
The preferred language can be pre-set and changed with the click of a single button.

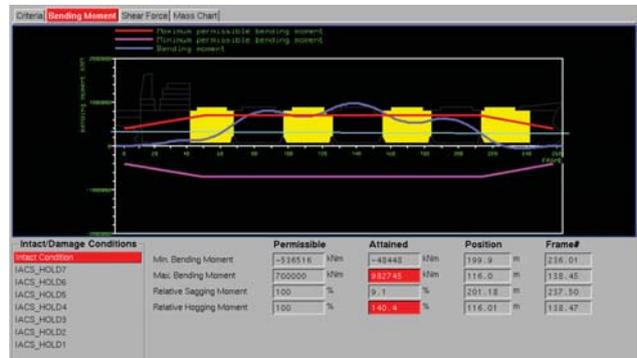
**Limits (mm)**  
Minimum of x-coordinate (surface, # or [N])  
Maximum of x-coordinate (surface, # or [N])  
Minimum of z-coordinate (surface, # or [N])  
Maximum of z-coordinate (surface, # or [N])  
**NOTE: Please check the default values and modify if needed.**

**CASE :** DL/SDSPG.1.8

QUANTITY	UNLBLE
TRIM	5.14
TRIM2	5.5
HEEL (DEG)	22.2
STAGE	1

**Analyze Damage Case (mm)**

Select Case	CASE	TYPE	DEFAC	DFAC
19	DL/SDSPG.1.8	IS	IS	0.72114
20	DL/SDSPG.1.8	IS	IS	0.76048
21	DL/SDSPG.2.0	IS	IS	0.77580
22	DL/SDSPG.1.0	IS	IS	0.77580
23	DL/SDSPG.1.0	IS	IS	0.78007
24	DL/SDSPG.3.0	IS	IS	0.78214
25	DL/SDSPG.1.0	IS	IS	0.78214
26	DL/SDSPG.1.0	IS	IS	0.78214
27	DL/SDSPG.1.0	IS	IS	0.81782
28	DL/SDSPG.1.0	IS	IS	0.83972
29	DL/SDSPG.5.0	IS	IS	0.83972
30	DL/SDSPG.3.0	IS	IS	0.83972
31	DL/SDSPG.1.0	IS	IS	0.85314
32	DL/SDSPG.1.0	IS	IS	0.86944
33	DL/SDSPG.4.0	IS	IS	0.86976
34	DL/SDSPG.1.0	IS	IS	0.86976
35	DL/SDSPG.2.0	IS	IS	0.87748
36	DL/SDSPG.1.0	IS	IS	0.87748
37	DL/SDSPG.1.0	IS	IS	0.87781



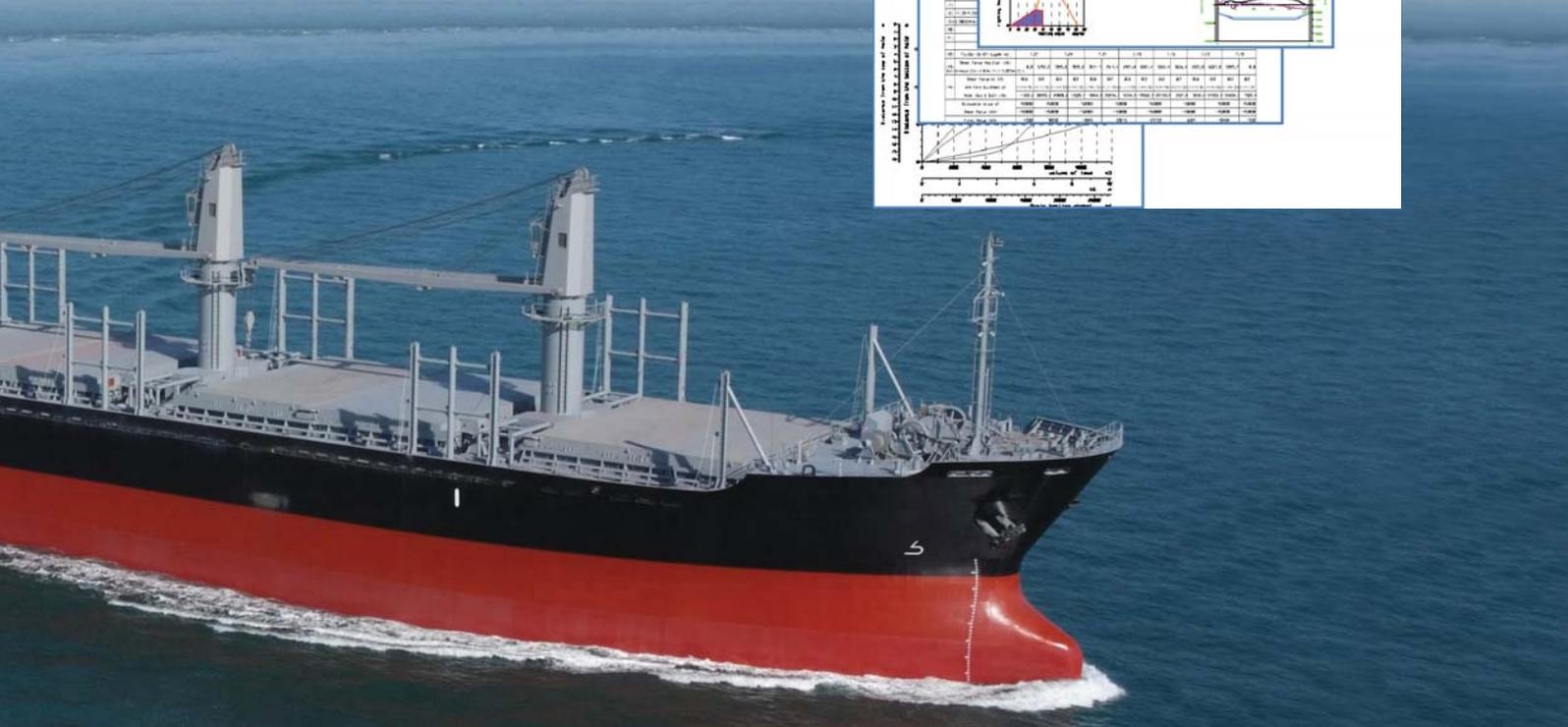
**2.1. General Arrangement**

**2.1.1. Tank Arrangement**

**2.1.2. Tank Capacity Lists**

Subsets of Each Load Type

Name	Capacity	Weight	Volume	Center of Gravity
1	1000	1000	1000	1000
2	2000	2000	2000	2000
3	3000	3000	3000	3000
4	4000	4000	4000	4000
5	5000	5000	5000	5000
6	6000	6000	6000	6000
7	7000	7000	7000	7000
8	8000	8000	8000	8000
9	9000	9000	9000	9000
10	10000	10000	10000	10000



## System Requirements

PrimeShip-NAPA Manager requires a properly installed and licensed copy of NAPA.

Recommended minimum hardware configuration:

- Operation System : Windows XP Professional + minimum of Service Pack 1 or Windows Vista
- Processor : 32 or 64-bit, 1GHz or more
- Memory : 1 Gb
- Disk Space : 60 Gb
- Graphics Adapter : 128 Mb memory, Open GL compatible
- Network Adapter is required
- Screen resolution : 1280 x 1024 pixels



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