

**BALLAST EXCHANGE PLAN**

Vessel: _____ IMO No. _____

Flag: _____

| STEPS | Ballast Water Tank | | | | | | | | | | | | | | Draft Fwd m | Trim m | Draft Aft m | S.W B.M. % | S.W. S.F. % | Prop. Imm. >50% | Blind Sector > | Stability Criteria | Estimated Time Hrs. | Remarks | | |
|--|--------------------|------|---|---|------|---|------|---|------|---|------|---|------|---|----------------|-----------|----------------|---------------|----------------|--------------------|-------------------|--------------------|------------------------|---------|-----|--|
| | APT | No.6 | | | No.5 | | No.4 | | No.3 | | No.2 | | No.1 | | | | | | | | | | | | FPT | |
| | C | P | S | P | S | P | S | P | S | P | S | P | S | C | | | | | | | | | | | | |
| Initial Condition = Full Ballast/Light Ballast | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STEP 1: | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STEP 2: | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STEP 3: | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Step 4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STEP 5: | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STEP 6: | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STEP 7: | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STEP 8: | | | | | | | | | | | | | | | | | | | | | | | | | | |
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☐ F Full☐ E Empty☐ C Change Ballast Water

Min. Values

Max. Values

Total

Time Hrs.

Note 1: The Master advised that the propeller will not be fully immersed during this step / sequence.

Note 2: The Master is advised that bridge visibioity forward will be reduced during this step / sequence.

Note 3: This step / sequence is to be carried out within the acceceptable sea state as defined in the attached operation envelope

Note 4: This step / sequence is to be carried out in calm seas, i.e. zero sea state.

Note 5: The Master is advised that in the critical fill range 70% -95% this step / sequence is to be carried out in calm seas, i.e. zero sea state.

Note 6: The Master is advised that this step / sequence can be carried out provided the diminution levels described in the ballast inertia assessment have not be exceeded.

Note 7: The Master is advised to verify that tanks shown as "E" are totally empty and tanks shown as "F" are toatlly full, at the start and end of the step / sequence, in order to avoid adverse free surface effects.

Note 8: The indicative times for ballast exchange by flow-through methid of ____ Tank(s) ID ____ are provided separately.

☐ Stabiity Criteria meet IMO Requirements☐ Stability Criteria fail to meet IMO requiremer

| Tank ID | Ballast Pumps m³/hrs. | |
|---------|--------------------------|----------|
| | 3 x Vol. | 4 x Vol. |
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