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6. EDAS Account Management [p.22]

7. EDAS Account Management [p.24]

* EDAS: Electronic Drawing Approval System
1. E-Mesis LOG IN
Click "e-MESIS"
In case of that you apply for EDAS-Equipment for specific ships such as newbuilding or existing ships, click "Approval(Specific Ship)".
2. EDAS Menu
INFORMATION ON EACH MENU OF EDAS

1. Drawing Approval
   1) Vessel List
      : List of ships is provided in progress of drawing approval. Request of drawing approval, status of drawing approval and comments can be checked.
   2) New Building Schedule
      : New Building Schedule is provided with drawing approval status. Your drawing approval status is shown at a glance.

2. KR RULES
   1) KR Rules
      : KR technical rule is given to customer.
   2) Rule Calculator
      : Web-based rule calculation program is open to applicants of drawing approval. It can be confirmed whether design comply with the relevant KR rules. The data will be transferred to the surveyor (P.I.C) for reference.

3. Management
   1) My Page
      : You can manage company information and change password.
   2) Management User ID
      : You can issue Sub ID.
   3) Management of Authorization
      : You can authorize the access of the subject vessel to Sub ID.

4. KR-CON
   : KR-Con is a comprehensive IMO Convention Data base containing IMO Conventions, Codes, Resolutions and Circulars in English and Korean. (KR-CON is provided to customers who are working with our Society in New building.)
3. Application for Drawing Approval
1. Add Vessel

1) General: Input the Hull No. / Job ID / Class No. / IMO NO. / Ship Name

2) IHM Vessel: Use only this menu for submission of IHM (Inventory of Hazardous Materials) part of unregistered vessel in our Society.

Application of Drawing Approval (If there are series ship subject to drawing approval, the submission of drawing is able to be simultaneous.)
1. Input the information of applicant. *(asterisk) : Essential input data

2. Vessel information is automatically imported.

1) New building : Series vessels are automatically imported.
2) Existing ship : Manually search for ships you want to add for drawing approval.

[Final Selection] Click the subject vessel’s Check Box for drawing approval among series vessels.

3. Select the process type and drawing type. Attach your drawings for approval.

4. Input the subject of letter and attach your application letter.

If necessary, input the remarks and click SAVE & NEXT STEP.
**APPLICATION OF DRAWING APPROVAL > SUBMISSION DEPARTMENTS**

- **1. BASIC INFORMATION**
  - Applicant
  - Contact Information
  - Application Letter
  - Submitted Information

- **2. ATTACHED DRAWING**
  - Select drawing details

- **3. REQUEST FOR DRAWING APPROVAL**
  - Select a team where you want to request for drawing approval.
  - Input information of drawing no./rev. no./ drawing name.

- **4. RULE CALCULATOR**
  - If necessary, the results from rule calculator can be submitted together with drawing for review. (Refer to MANUAL PAGE 16)

- **5. SUBMIT DRAWING**
  - Request for drawing approval. If you want to cancel the drawing approval, click the Submit Cancel.

---

Confirm the information once again *(asterisk) : Essential input data

If you want to cancel the drawing approval, click the Submit Cancel.
**ATTACHED DRAWING**

<table>
<thead>
<tr>
<th>No.</th>
<th>File Name</th>
<th>Drawing No.</th>
<th>Rev.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Approval Department in Charge</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Dry Cargo Ship Team</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Stability &amp; Tonnage Team</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Machinery Team</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Liquid Cargo Ship Team</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Electric &amp; Automation Team</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Environment &amp; Piping Team</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Chief Plan Approval Center</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Survey Team</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Dry Cargo Ship Team**


Please refer following vessels
- General Cargo Ship
- Container Ship
- Ore Carrier
- Ro-Ro Ship
- Work Vessel
- Offshore
- Floating Dock
- Dredger
- Tug Boat

**Liquid Cargo Ship Team**


Please refer following vessels
- LNG Carrier
- LPG Carrier
- Oil Tanker
- Chemical Tanker
- Special Purpose Ship
- Passenger Ship
- Fishing Vessel

**Stability & Tonnage Team**

Drawing Approval and the Technical Review for Stability, Load Line, EEDI.
- Lines & Off-set
- Capacity Plan
- Intact Stability Calculation Booklet
- Damage Stability Booklet
- Loading Manual
- Grain Loading Manual
- Loading Unloading Sequence
- Damage Control Plan
- Damage Control Booklet
- Loading Instrument Test Report
- Result of Inclining Experiment and Deadweight
- Result of Lightweight Measurement
- Freeboard Calculation
- EEDI Technical File
- Oil Fuel Protection(Marpol Reg.12A)
- Accidental Oil Outflow Performance(Marpol Reg.23)
- Visibility Plan
- Arrangement of Door & Hatch & Window & Side Scuttle

**Machinery Team**

Drawing Approval of Propulsion System and Auxiliary Machinery Drawings.
- Shafting Arrangement
- Main Engine
- Reduction Gear
- Propeller (FPP, CPP)
- Calculation of Torsional Vibration
- Calculation of Shafting Alignment
- Windlass
- Steering Gear
- Azimuth Thruster, Water-Jet System
- Boiler / Pressure Vessel / Heat exchanger
- Etc.
China Plan Approval Center
Approval and Technical Review
- Plan and Documents of Ships Constructed in China (on a case-by-case basis)

Survey Team
Survey team is in charge of procedure for TOC(Transfer of Class) and CSA(Registration after construction from non-IACS).
- Drawing Approval and Technical Review during TOC or CSA survey

Electric and Automation Team
Drawing Approval of Electric and Automation Control System.
- Electrical Load Analysis (main and emergency sources including batteries)
- Wiring Diagram for Electrical Systems
- General Arrangement for Electrical Systems
- Arrangement for Navigation and Signal Lights
- Hazardous Area Plan
- Calculation Sheet of Short-Circuit Current in the Circuits
- Report of Failure Mode and Effect Analysis
- Generator(100kVA and above)
- Motors(100KW and above)
- Main Switchboard and Emergency Switchboards
- Battery Charging and Discharging Board for Emergency Sources of Electrical Power
- Transformers(1kV and above)
- Shore Connection Box(1kV and above)
- Alarm and Monitoring System
- Control Systems
- Ect.

Environment & Piping Team
Drawing Approval of Piping System (F.O., L.O., Bilge, Cooling S.W., Sewage etc.).
- Fire Fighting System
- Fire Control Plan
- SOPEP/SMPSE/BWMP/IHM
- Manuals for Tankers(VECS, VOC, P&A, ODME)
- Inert Gas System
- BWTS/EGCS/SCR
4. Processing and Completion Drawing Check
If you click, application of approval drawing can be seen for a vessel.
Information of application of drawing approval can be seen. Extension Approval and Comment Reply(Revision Submission) after completion can be requested.

1. E-mail
   1) Surveyor is assigned after receipt then automatic e-mail notification will be sent.
   2) Automatic e-mail notification will be sent after completion.

Search by Hull No.

**Drawing Approval Flow Chart**

You can find email address of a surveyor(P.I.C) on processing. You can download the letter and approved drawing on completion.

**Drawing Approval Flow Chart**

**Letter and approved drawing**
Information of application of drawing approval can be seen. Extension Approval and Comment Reply (Revision Submission) after completion can be requested.

 Applicant information
 Vessel information
 Application letter
 Submitted Drawing
 Approved Drawing

 COMMENT REPLY
 Same method for submission

 EXTENSION APPROVAL
 After selecting vessel, same method for submission

 Korean Register
5. Rule Calculator
Web-based rule calculation program service

**Title**

<table>
<thead>
<tr>
<th>No.</th>
<th>Rule</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Propulsion Shafting (R. 5.3.1)</td>
<td>Propulsion Shafting (R. 5.3.1)</td>
</tr>
<tr>
<td>2</td>
<td>Propulsion Shafting (R. 5.3.1)</td>
<td>Propulsion Shafting (R. 5.3.1)</td>
</tr>
<tr>
<td>3</td>
<td>Propulsion Shafting (R. 5.3.1)</td>
<td>Propulsion Shafting (R. 5.3.1)</td>
</tr>
<tr>
<td>4</td>
<td>Propulsion Shafting (R. 5.3.1)</td>
<td>Propulsion Shafting (R. 5.3.1)</td>
</tr>
</tbody>
</table>

**DATA**

**[General]**

- **Shaft Output at MCR**: 12222 [kW]
- **Member of Shaft Revolution at MCR**: 76 [rpm]
- **Type of Propulsion Installation**: SWL/Intermediate Shafts in Turboe installation

**[Gear Table]**

<table>
<thead>
<tr>
<th>Gear Ratio</th>
<th>Vertical Speed [rpm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>76</td>
</tr>
</tbody>
</table>
1. Propeller Maker
(Calculation sheet)

2. Rule Calculator
(Web calculator)

3. Submit the Rule Calculator
(Web calculator)

Old version equipment calculation sheet

Maker can review a rule by using Web-based rule calculation program.

Results of Web-based rule calculation can be submitted online with drawing for review.
6. Inspection Request
1. Click 'Inspection Request'
2. Window of On-line Application of Machinery and Equipment Inspection is opened
3. App. Doc. No. is automatically imported.
4. This On-Line is not available in case of that ‘H’ comment(s) is not closed.

Check the applied ships for inspection

The information shall be provided as requested from the On-Line Application
7. EDAS Account Management
3. Management

1) My Page
   You can manage company information and change password.

2) Management User ID
   You can issue Sub ID.

3) Management of Authorization
   You can authorized the access of the subject vessel to sub ID.
EDAS > MANAGEMENT > MANAGEMENT USER ID AND AUTHORIZATION

CREATE SUB ID

Select the vessel

Setting
감사합니다

Thank you!