## Recommended Fire & Emergency Duties

### Master
- **On Bridge, In Command of All operations**
  - Fire Team #1 - Nozzleman
  - Liferaft #1 - In charge

### Chief Officer (Chief Mate)
- **On Bridge, In Charge of Boat deck Operations**
  - Lifeboat #2 - Motorman

### Second Mate
- **On Bridge, helm or GMDSS, Lifeboat #1 - Motorman**

### Third Mate
- **On Bridge, helm or Messenger**

### Able Seaman
- **On Bridge, helm or Messenger**

### Ordinary Seaman
- **On Bridge, helm or Messenger**

### Chief Engineer
- **In charge engine room**

### Assistant Engineer
- **Officer in Charge of an Engineering Watch (OICEW)**

### Electrotechnical Officer (ETO)

### Wiper

### Chief Steward
- **In charge at designated Muster Station**

### Cook
- **Assist at Designated Muster Station**

### Mess Assistant
- **Assist as directed**

### Scientists
- **Technicians**

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### MANNING STUDY

<table>
<thead>
<tr>
<th>Position</th>
<th>Regulatory Reference</th>
<th>Quantity</th>
<th>Duties</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master</td>
<td>46 CFR 15.805(a)(1) &amp; 815(a)</td>
<td>1</td>
<td>On Bridge, In Command of All operations</td>
</tr>
<tr>
<td>Chief Officer (Chief Mate)</td>
<td>46 CFR 15.810(b)(1)</td>
<td>1</td>
<td>On Bridge, In Charge of Boat deck Operations</td>
</tr>
<tr>
<td>Second Mate</td>
<td>46 CFR 15.810(b)(1)</td>
<td>1</td>
<td>On Bridge, helm or GMDSS, Lifeboat #1 - Motorman</td>
</tr>
<tr>
<td>Third Mate</td>
<td>46 CFR 15.810(b)(1)</td>
<td>1</td>
<td>On Bridge, helm or Messenger</td>
</tr>
<tr>
<td>Able Seaman</td>
<td>6 CFR 15.840(a) and Marine Safety Manual Vol. 3, Part B4 D.1</td>
<td>3</td>
<td>Fire Team #1 - Nozzleman, Liferaft #1 - In charge</td>
</tr>
<tr>
<td>Ordinary Seaman</td>
<td>46 CFR 12.25-1 and Marine Safety Manual Vol. 3, Part B4 E.5</td>
<td>3</td>
<td>Fire Team #2 - Valveman, Report to Chief Mate, Assist as directed</td>
</tr>
<tr>
<td>Chief Engineer</td>
<td>46 CFR 15.820(a)(1)</td>
<td>1</td>
<td>In charge engine room</td>
</tr>
<tr>
<td>Assistant Engineer</td>
<td>46 CFR 15.825</td>
<td>1</td>
<td>Officer in Charge of an Engineering Watch (OICEW)</td>
</tr>
<tr>
<td>Electrotechnical Officer (ETO)</td>
<td>46 CFR 15.825</td>
<td>1</td>
<td>Officer in Charge of an Engineering Watch (OICEW)</td>
</tr>
<tr>
<td>Wiper</td>
<td>46 CFR 12.25-1 &amp; -2</td>
<td>0</td>
<td>Billet not specifically required by CFR. No unlicensed watchstander required in engine room with &quot;deadman&quot; alarm.</td>
</tr>
<tr>
<td>Chief Steward</td>
<td>46 CFR 12.25-1 &amp; -2</td>
<td>1</td>
<td>In charge at designated Muster Station</td>
</tr>
<tr>
<td>Cook</td>
<td>46 CFR 15.825</td>
<td>2</td>
<td>Food handler endorsed.</td>
</tr>
<tr>
<td>Mess Assistant</td>
<td>46 CFR 15.825</td>
<td>2</td>
<td>Food handler endorsed.</td>
</tr>
</tbody>
</table>

### Total Crew
- **17**

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1. Minimum crew size based on minimum requirements by regulations and emergency squad capabilities.
2. One electrician/techs will have lifeboatman/MMD certification.