ENSI service for route exchange
Enhanced Navigation Support Information

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Communication solution

Ship client  Server  VTS integration

Mariners  VTS
It makes possible to

• Send reports easily
• Boost it with route plan
• Get a cross-check
• Single Window approach
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<table>
<thead>
<tr>
<th>1. Cargo</th>
<th>2. Misc</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 - Explosives</td>
<td>Tonnage:</td>
</tr>
<tr>
<td>2 - Gases</td>
<td>Tonnage:</td>
</tr>
<tr>
<td>3 - Flammable liquids</td>
<td>Tonnage: 23800</td>
</tr>
<tr>
<td>4 - Flammable solids</td>
<td>Tonnage:</td>
</tr>
<tr>
<td>5 - Oxidizing substances &amp; organic peroxides</td>
<td>Tonnage:</td>
</tr>
<tr>
<td>6 - Toxic &amp; infectious substances</td>
<td>Tonnage:</td>
</tr>
<tr>
<td>7 - Radioactive material</td>
<td>Tonnage: 6</td>
</tr>
<tr>
<td>8 - Corrosive substances</td>
<td>Tonnage:</td>
</tr>
<tr>
<td>9 - Misc. dangerous goods</td>
<td>Tonnage:</td>
</tr>
<tr>
<td>Bunker</td>
<td>Tonnage: 12600</td>
</tr>
<tr>
<td>Total Unspecified Tonnage</td>
<td>Tonnage:</td>
</tr>
</tbody>
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What?

Route check
Information update
Benefits

- Simple reporting = Workload, time, pressure
- Information updates = Workload, time, safety, pressure
- Cross-checks = Safety, pressure
- Superb monitoring = Safety
Benefits

- Clear reports = Workload, timing, pressure
- Simple forwarding = Workload, error margin
- Outstanding awareness = Pressure, safety
- Monitoring support = Pressure, workload, safety
Benefits

• Cross-checks = Safety of business
• Superb monitoring = Safety of business
• Crew workload = Safety of business, image
Benefits

- Advanced monitoring = Safety of business
Benefits

• Advanced monitoring = Sales argument
Challenges?
Thank You!

https://ensi.fta.fi