ENAV
Electronic Navigation
ENAV
Expensive Navigation
ADD NAV
A2DD4N
Analog-to-Digital -> Data For Navigation
MENU
Marine Safety Information
Enhanced Navigation
Navigational Aides
User Driven
Marine Safety Information

- Notice to Mariners
- Broadcast Notice to Mariners

In the near future MSI will also be available in e-formats.
Enhanced Navigation

• Electronic Charts
• Radar

In the near future these systems will be enhanced with e-MSI
Navigational Aides

• Visual Aides to Navigation
• Radio-Navigation Services

We are adding e-ATON e-MSI to the constellation of aides and services
User Involvement

- Test Beds
  - Tampa, SF, Del Bay, Ohio River
- CMTS
- RTCM
RTCM

- Sous-chef

ENAV Special Committees
ENAV SC

- SC109 - ECS
- SC112 - Radar
- SC121 - AIS
- SC129 - Portrayal
- SC130 - Electro-optical Imaging
- SC131 - Multi-Nav Receivers
“...is the harmonized collection, integration, exchange, presentation and analysis of marine information onboard and ashore by electronic means to enhance berth to berth navigation and related services for safety and security at sea and protection of the marine environment.”
“...is the harmonized collection [IHO S-100 Registry], integration [NMEA & RTCM standards], exchange [USCG, USACE, NOAA & the user], presentation [RTCM 109 & 129 standards] and analysis of marine information onboard [???] and ashore [USCG ATONIS & NAIS] by electronic means [AIS, ECS, Radar] to enhance berth [USA Ports & Navigable Waterways] to berth [Outside the USA ???] navigation and related services [USCG e-MSI & e-ATON] for safety and security at sea and protection of the marine environment”
EVAN

Efficacy

Via

Application Specific Messaging

Navigation
ASM

U.S. Application Specific Messaging

- RTCM 12100.1
  - Geographic Notice
  - Waterways Management
  - Environmental Conditions
  - Linked Text
  - Synthetic Target [Testing]
  - ATON Discrepancy [Testing]
This collection is not an endorsement of any message, and is not an authority for any DAC/FI combinations. IALA is not and will not be responsible for the wrong description of Application Specific Messages, and is not responsible for the data in the messages as wrongly used messages.

By pressing the column title you can sort the list.

<table>
<thead>
<tr>
<th>Title</th>
<th>Msg</th>
<th>DAC</th>
<th>FI</th>
<th>SU</th>
<th>Status</th>
<th>Registrant</th>
<th>Not to be used after</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monitoring aids to navigation</td>
<td>6</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>In force</td>
<td>Zeni Lite Buoy Co., Ltd</td>
<td></td>
</tr>
<tr>
<td>Linked Text</td>
<td>8</td>
<td>367</td>
<td>29</td>
<td>5</td>
<td>proposal</td>
<td>USCG RDC</td>
<td></td>
</tr>
<tr>
<td>Environmental Message</td>
<td>8</td>
<td>366</td>
<td>33</td>
<td>5</td>
<td>deprecated</td>
<td>USCG RDC</td>
<td>01/01/2014</td>
</tr>
<tr>
<td>Area Notice</td>
<td>8</td>
<td>366</td>
<td>22</td>
<td>5</td>
<td>proposal</td>
<td>USCG RDC</td>
<td></td>
</tr>
<tr>
<td>Waterways Management</td>
<td>8</td>
<td>366</td>
<td>35</td>
<td>3</td>
<td>proposal</td>
<td>USCG RDC</td>
<td></td>
</tr>
<tr>
<td>Environmental Message</td>
<td>8</td>
<td>367</td>
<td>33</td>
<td>5</td>
<td>proposal</td>
<td>USCG RDC</td>
<td></td>
</tr>
<tr>
<td>Geographic Notice</td>
<td>8</td>
<td>367</td>
<td>22</td>
<td>5</td>
<td>proposal</td>
<td>USCG RDC</td>
<td></td>
</tr>
<tr>
<td>Passenger and Crew Count</td>
<td>6</td>
<td>367</td>
<td>16</td>
<td>1</td>
<td>initiation</td>
<td>USCG RDC</td>
<td></td>
</tr>
<tr>
<td>Waterways Management Message</td>
<td>8</td>
<td>367</td>
<td>35</td>
<td>3</td>
<td>proposal</td>
<td>USCG RDC</td>
<td></td>
</tr>
<tr>
<td>Aids to Navigation monitoring data</td>
<td>6</td>
<td>235</td>
<td>10</td>
<td>1</td>
<td>In force</td>
<td>UK Trinity House</td>
<td></td>
</tr>
<tr>
<td>Collision alarm</td>
<td>6</td>
<td>421</td>
<td>16</td>
<td>1</td>
<td>In testing</td>
<td>Sena and Vans Co., Ltd</td>
<td></td>
</tr>
</tbody>
</table>