The Role of the IALA World-Wide Academy in supporting the e-Navigation Concept

Presentation to e-Navigation Underway
Stephen Bennett; Programme Manager
30 January 2013
e-Navigation Stakeholders

- IALA Guideline 1079 – User Consultancy
The Academy and e-Navigation Strategy

- Target senior management in Competent Authorities
- Use the IALA toolbox
The IALA Toolbox

Council

Website

Bulletin

Committees

Conference

Symposia

Workshops

Academy

Seminars
Support to IALA Committees

- Aids to Navigation Management
- Engineering, Environment and Preservation
- Vessel Traffic Services
- e-Navigation

Draft IALA Recommendations and Guidelines

Delivered by the Academy....

...... liaising with the ....... Industrial Members Committee
The Academy

“The IALA World-Wide Academy (WWA) is the vehicle by which IALA delivers training and capacity building”

The Academy works closely with the IMO, IHO, WMO, IOC and FIG as part of the UN capacity-building “Delivering as One” initiative.
e-Nav Support - Training

- Training and Model Courses
  - VTS courses – V-103 series
  - Risk Management Workshops (IWRAP II and PAWSA)
    - New model course in preparation [IALA WWA.L1.3]
  - AtoN courses – E-141 Ed 2 (December 2012)
    - AtoN Level 1 Manager – E-141/1
    - One month AtoN Level 1 Manager course at IALA in March 2014
    - AtoN Technician – IALA WWA L2.0
    - 30 specialised model courses – L2.1.1 to L2.11.5
    - Level 1+ Awareness seminars for Senior Managers – E-141/2
e-Nav Support through – Capacity Building - The “4As”

- Joint IHO/IALA WWA strategy
- Stage 1: Raising AWARENESS through targeted “Level 1+” seminars using a pre-seminar questionnaire
- Stage 2: Request by newly aware States for ASSESSMENT of needs leading to.....
- Stage 3: ANALYSIS of requirements including the use of available AIS data from all sources to give.......
- Stage 4: Recommended ACTIONS to achieve full compliance
## Capacity Building Regions

<table>
<thead>
<tr>
<th>Region</th>
<th>Target States</th>
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<tbody>
<tr>
<td>East Asia</td>
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<tr>
<td>Eastern Atlantic</td>
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<tr>
<td>Meso-America and Caribbean</td>
<td>19</td>
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<tr>
<td>North Indian Ocean</td>
<td>10</td>
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<tr>
<td>ROPME Sea Area Region</td>
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<tr>
<td>Southern Africa and Islands</td>
<td>8</td>
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<tr>
<td>South-west Pacific</td>
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</table>
Support to e-Nav Concept

Training

- Level 1 model courses
  - 6 e-Nav lectures
- Level 2 model courses
  - e-Nav Committee input to radionavigation module
- Risk Management workshops
  - 4 e-Nav related presentations
- Liaison with Stakeholders including ICS on content

Capacity Building

- Awareness Seminars
  - 2 hour session on e-Nav
- Common recommendations on adoption of e-Nav elements
  - Join IALA-Net
  - Prepare for Sea Traffic Management concept
  - Consider regional e-Nav test beds
## Academy Events to Promote e-Navigation

<table>
<thead>
<tr>
<th>Category</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
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<tbody>
<tr>
<td><strong>Stage 1</strong></td>
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<tr>
<td>Awareness</td>
<td>Bahrain Cape Town Mauritius Thailand Sydney E Atlantic (Portugal) Guatemala</td>
<td>Mauritania Myanmar Riyadh Mombasa Indonesia Thailand Singapore Vanuatu</td>
<td>SW Pacific East Asia S. Africa Gulf</td>
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<td><strong>Stage 2</strong></td>
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<td>Assessment</td>
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<td>East Asia SW Pacific N. India</td>
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<td><strong>Level 1</strong></td>
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<td>AtoN manager</td>
<td>Papua New Guinea France</td>
<td>IALA HQ France</td>
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<tr>
<td>Risk</td>
<td>Workshops</td>
<td>Sydney</td>
<td>Madrid</td>
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Register of IALA e-Nav Experts

- Potential experts to be nominated by National Members or by individual application
- Forms available on the Academy website (March 13)
- Applications to be vetted by panel from appropriate committee
- IALA Council to endorse experts
- Endorsement to be reviewed after specified time
- Remuneration at UN day rates
Training and Accreditation

- More Competent Authorities follow V-103 T&A process
  - 14 States in Oct 12; 16+ by VTS-36
- New IALA GL on AtoN T&A
- Level 1 AtoN Manager courses in French and English
- Level 2 Technician Syllabus complete by mid 2013
- Rolling review of the 30 L2 model courses
- All T&A publications and documents available on new website – Operational March 2013
- Feedback from Stakeholders via e-Nav Committee
Summary

- Academy supports actively the e-Nav concept
- Training based on Academy model courses
- Capacity Building strategy supports e-Nav
- Experts required to meet Training and CB demands
- Feedback on Academy products through IALA Committee structure