ENG4-10.27

The fourth paragraph on page iv of the 7th Edition of the NAVGUIDE (2014) states that is one of the key guidance documents for the IALA World-Wide Academy. As part of a complete update of Level 1 AtoN manager lectures, the NAVGUIDE has been reviewed in detail and the following amendments and minor corrections are proposed.

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| Page | Para/Subject | Amendment | L1 Module | L1 lecture |
| 12/210 | 1.6.5/8.12.2 IALA WWA | Move Ch 8 article to Ch 1 and combine with 1.6.5 | 1 | 1a |
| 13/30 | The definition of AtoN is different from that in Ch 3 | Use Ch 3 definition on both pages.  Note that the Royal Institute of Navigation (UK) uses “*Any device or system, external to a vessel, which is provided to help the mariner determine position and course, to warn of dangers or obstructions, or to give advice about the location of a best or preferred route”.*  *[Seamus – please use the definition from the IALA constitution.]* | 1 | 1a |
| 22 | Table 2 – “GPS” accuracy | Amend to read GNSS and check accuracy of non-GPS as other sources give accuracies as ±13m (2σ) | 2A | 2 |
| 24 | Figure 4 – vertical datum | Not strictly in accordance with INT1. “Charted NW” etc. Modify diagram | 2A | 4 |
| 46 | Metal Halide - disposal | Correct “CConsult “ to read “Consult” | 4A | 27 |
| 55; 56 | Colour measurement | Details on pages 55 and 56 might be better placed after page 51 as part of 3.2.3 | 4A | 28 |
| 66 | Glare | 2nd bullet point after IALA references. Change “illuminance” to read “intensity” | 4A | 28 |
| 68 | Figure 13 | The example quoted on page 70 refers to Figure 13 and should be moved immediately after Figure 13 | 4A | 28 |
| 79 | Position of floating AtoN | Amend DGPS to read DGNSS | 4A | 32 |
| 91 | 4.2 e-Nav Communications | Amend DGPS to read DGNSS | 4C | 43a |
| 95 | 4.5.1 MSPs | Line 1. Amend to read “Portfolio” | 4C | 43a |
| 115 | 4.9.9 | The correct name for MEMS is micro-machined electromechanical systems. Include a short explanation of nuclear magnetic resonance (NMR) principles too. Both are independent inertial technologies | 4B | 34 |
| 119-120 | 4.12.1 | Final paragraph and first on page 120 refers to LRIT and is a copy of that on the top of page 118. Delete duplicate text | 4B | 38 |
| 136 | Introduction to pilotage | Amend GPS/DGPS to GNSS/DGNSS | 2B | 12 |
| 139 | Footnote 30 | Amend to read 10th Edition | 4C | 40 |

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| 143 | Mix of AtoN paragraph 3 | Delete “As indicted .. to (refer 8.3”). 8.3 now covers risk not LOS and 8.2 no longer gives “Steps” in LOS/OPS | 4C | 40 |
| 147 | 6.3.6 Simulation reference | Amend “O-1058” to read “1058” | 4C | 40 |
| 161 | 6.6.5 recording AtoN posn | Amend DGPS to read DGNSS and add “or sinker” after “anchor” | 2A | 3 |
| 165 | 6.8 5th paragraph | Correct spelling of “actual” | 2A | 5 |
| 172 | 7.3.1 symbol for LiFePO4 | Amend to read LiFePO4 | 5 | 48 |
| 173 | 7.3.2 sea-water cell | “ADC-DC” to read “AC-DC” | 5 | 48 |
| 176 | 7.5 Symbol for acetylene | to read C2H2 | 5 | 47 |
| 179 | 8.1 SOLAS obligations | Third bullet point to read “all concerned – principally mariners” | 3 | 14 |
| 180 | Table 26 –Layers of Service | Table 26 and Table 2 (page 22) need to be aligned with the same accuracies at the 2σ level used in both (e.g. radar bearings 0.5°/±1°). Recommend remove Table 26 and add additional data to Table 2. 8.2.3 can then just cross refer to the revised Table 2. | 3 | 15 |
| 187 | 8.4.2 Availability objectives | Amend DGPS to read DGNSS (3 amendments required) | 3 | 18 |
| 190 | 8.4.6 Continuity | This should be a continuation of 8.4.4 and not placed after 8.4.5 (over and under-achievement issues) | 3 | 18 |
| 195 | 8.7.1 International Standards | Amend ISO 9001-2008 to 9001-2015 | 3 | 20 |
| 201 | 8.9.1 Service Delivery | SOLAS V.13 can be removed as it is a duplicate of page 179. Simply cross refer to page 179. | 3 | 21 |
| 205 | 8.11 Historic Lighthouses | Add “now AtoN Engineering and Sustainability (ENG) Committee” after (EEP) in top paragraph line 4. | 3 | 25 |
| 207 | 8.11.1 Lens size | Amend text to state “Table 29” not 28 | 3 | 25 |
| 209 | 8.12 HR challenges | Amend top paragraph line 3 to the end to say “IALA Recommendations V-103 and E-141, together with associated model courses and supporting Guidelines were developed. This approach provides a means to ensure that both VTs and AtoN personnel are trained to an agreed, minimum level.” | 3 | 26 |
| 210-212 | IALA WWA  (see amendment 1 above) | Remove from Chapter 8 as insert revised text (to be supplied by the Programme Manager) into Chapter 1 | 1 | 1a |
| 214 | Acronyms | See enclosed list (Rev 8 – 5 pages) | all | all |
| Annex D | D.14 IALA MBS Cardinal marks | Rhythm of N and E Cardinal marks are incorrect: Q or VQ; Q(3) 10s VQ(3) 5s | 2B | 9 |