# Description: Description: Description: IALA logo1

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**Engineering & Sustainability Committee (ENG)**

**Work Programme Task Register**

**(2014-18)**

# Document Revision

Revisions to the IALA Document are to be noted in the table prior to the issue of a revised document

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| **Date** | **Page / Section Revised** | **Requirement for Revision** |
| 15 Oct 2014 | New Document | Draft for consideration at ENG1 |
| 20 Nov 2014 | All tasks reviewed and updated | Update following ENG1 meeting |
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# Purpose of this Document

The purpose of this document is to maintain a register of ENG Committee Work Programme Tasks for 2014-18 which describes:

* The current status of each Task
* How the Task is linked to IALA’s Strategic Alignment
* Key changes to the Task during its development

Note: A copy of IALA’s Strategic Vision 2014-18 is at Annex 1.

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| **ENG Committee – 2014-18 Work Programme** | | | | |
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| **TASK** | 1.1.1 Produce a Guideline on Marine Signalling | | | |
| Objectives of the task | To provide guidance for AtoN authorities on Marine Signalling. | | | |
| Expected outcome | Updated and new guidance documentation. | | | |
| Strategic Alignment | **Goal** G2: All coastal states have contributed to an efficient global network of aids to navigation and services for the safety of navigation, through capacity building and the sharing of expertise.  **Strategy** S1: Position IALA as the source of standards, knowledge and expertise that will enable States to undertake and share the technical developments of aids to navigation, in accordance with UNCLOS, SOLAS, and other obligations.  **Priority** P7: Continue to improve guidance on light and vision aspects of marine signalling, consolidating documentation. | | | |
| Scope (Describe key items that are in scope/out of scope) | **Working Group 1: Visual & Physical AtoN**  To give guidance on Marine Signalling to include Apparent Intensity, Background Lighting, Modelling techniques, LED sector lights. | | | |
| Expected Sessions for Completion: | Session number:  1 2 3 4 5 6 7  X  X  X  X | | | |
| Brief and concise description of the work to be undertaken and programme milestones where appropriate. | Key milestones / Remaining key milestones for completing the task include:   * See 1.1.2 and 1.1.3 | | | |
| **Task Revision** | **Ver.** | **Date** | **Part / Section Revised** | **Requirement for Revision** |
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| **ENG Committee – 2014-18 Work Programme** | | | | |
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| **TASK** | 1.1.2 Develop guidance on the selection of rhythmic characters Including 1069 Synchronisation | | | |
| Task leader | Moray Waddell / Aivar Usk / Sigge Gustafsson | | | |
| Objectives of the task | To provide guidance for AtoN authorities on Marine Signalling. | | | |
| Expected outcome | A new guideline. | | | |
| Strategic Alignment | **Goal** G2: All coastal states have contributed to an efficient global network of aids to navigation and services for the safety of navigation, through capacity building and the sharing of expertise.  **Strategy** S1: Position IALA as the source of standards, knowledge and expertise that will enable States to undertake and share the technical developments of aids to navigation, in accordance with UNCLOS, SOLAS, and other obligations.  **Priority** P7: Continue to improve guidance on light and vision aspects of marine signalling, consolidating documentation. | | | |
| Scope (Describe key items that are in scope/out of scope) | **Working Group 1: Visual & Physical AtoN**   * To give guidance on Marine Signalling. | | | |
| Expected Sessions for Completion: | Session number:  1 2 3 4 5 6 7  X  X  X  X | | | |
| Brief and concise description of the work to be undertaken and programme milestones where appropriate. | Key milestones for completing the task include:   * Application of fixed-flashing-light (ffl) * Maximum eclipse time * Minimum flash duration * Use of flicker * Synchronisation * At ENG3: Liaison note to ARM | | | |
| **Task Revision** | **Ver.** | **Date** | **Part / Section Revised** | **Requirement for Revision** |
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| **ENG Committee – 2014-18 Work Programme** | | | | |
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| **TASK** | 1.1.3 Update / Replace 1038 On Ambient Lights Levels | | | |
| Task Leader | Moray Waddell / Aivar Usk | | | |
| Objectives of the task | To provide guidance for AtoN authorities on Marine Signalling. | | | |
| Expected outcome | New Guideline ‘Methods for the activation and control of AtoNs lights” | | | |
| Strategic Alignment | **Goal** G2: All coastal states have contributed to an efficient global network of aids to navigation and services for the safety of navigation, through capacity building and the sharing of expertise.  **Strateg**y S1: Position IALA as the source of standards, knowledge and expertise that will enable States to undertake and share the technical developments of aids to navigation, in accordance with UNCLOS, SOLAS, and other obligations.  **Priority** P7: Continue to improve guidance on light and vision aspects of marine signalling, consolidating documentation. | | | |
| Scope (Describe key items that are in scope/out of scope) | **Working Group 1: Visual & Physical AtoN**  To give guidance on Marine Signalling. | | | |
| Expected Sessions for Completion: | Session number:  1 2 3 4 5 6 7  X  X  X  X | | | |
| Brief and concise description of the work to be undertaken and programme milestones where appropriate. | Key milestones for completing the task include:   * include GPS astronomical time * include visibility detectors * use of local met data * power concerns * local turn on | | | |
| **Task Revision** | **Ver.** | **Date** | **Part / Section Revised** | **Requirement for Revision** |
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| **ENG Committee – 2014-18 Work Programme** | | | | |
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| **TASK** | 1.5.2 Workshop on Lights & Batteries - IALABATT/IALALITE | | | |
| Objectives of the task and expected output: | To plan and deliver a technical workshop on Lights and Batteries to be held in autumn of 2017. | | | |
| Expected outcome | * Host a successful IALA workshop on “IALA Batt & IALA Light” | | | |
| Strategic Alignment | **Goal** G2: All coastal states have contributed to an efficient global network of aids to navigation and services for the safety of navigation, through capacity building and the sharing of expertise.  **Strategy** S1: Position IALA as the source of standards, knowledge and expertise that will enable States to undertake and share the technical developments of aids to navigation, in accordance with UNCLOS, SOLAS, and other obligations.  **Priority** P14: Promote technology transfer and knowledge sharing concerning aids to navigation. | | | |
| Scope (Describe key items that are in scope/out of scope) | **Working Group 2: Technical Knowledge and Sustainability**  Technical workshop covering all aspects of lights and power supplies for AtoN applications.  Emphasis on sustainability in design, delivery, maintenance and disposal. | | | |
| Expected Sessions for Completion: | Session number:  1 2 3 4 5 6 7  x  x  x  x  x  x | | | |
| Brief and concise description of the work to be undertaken and programme milestones where appropriate. | Key milestones for progressing the task include:   * Scope of the workshop and draft content for Council approval * Identification of a host nation an suitable facilities * Firm up on dates, venue and content * Identification of exhibitors and presenters * Booking and invitations * Delivery * Review | | | |
| **Task Revision** | **Ver.** | **Date** | **Part / Section Revised** | **Requirement for Revision** |
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| **ENG Committee – 2014-18 Work Programme** | | | | |
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| **TASK** | 2.1.1 Develop further guidance on plastic buoys, systems & sensors | | | |
| Objectives of the task and expected output: | Review and update existing Guideline 1006 on plastics buoys. Update or create new guidance documentation on buoy sensors, monitoring and communication systems. | | | |
| Expected outcome | Updated Guidance documentation. | | | |
| Strategic Alignment | **Goal** G2: All coastal states have contributed to an efficient global network of aids to navigation and services for the safety of navigation, through capacity building and the sharing of expertise.  **Strategy** S1: Position IALA as the source of standards, knowledge and expertise that will enable States to undertake and share the technical developments of aids to navigation, in accordance with UNCLOS, SOLAS, and other obligations.  **Priority** P8: Provide guidance on management, engineering and sustainability in aids to navigation, particularly concerning modern materials and light sources | | | |
| Scope (Describe key items that are in scope/out of scope) | **Working Group 2: Technical Knowledge and Sustainability**  There will be reference to a new proposed guidance on AtoN design and maintenance for hot climates - refer task 2.3.1 | | | |
| Expected Sessions for Completion: | Session number:  1 2 3 4 5 6 7  x  x  x  x  x  x | | | |
| Brief and concise description of the work to be undertaken and programme milestones where appropriate. | Key milestones for completing the task include:   * Review and update Guideline 1006 on plastic buoys * Consider where to place information on buoy sensors, monitoring and communication systems specific to buoy applications. * Update or create new guidance documentation on buoy sensors, monitoring and communication systems | | | |
| **Task Revision** | **Ver.** | **Date** | **Part / Section Revised** | **Requirement for Revision** |
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| **ENG Committee – 2014-18 Work Programme** | | | | |
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| **TASK** | 2.1.2 Engineering guidance on the implementation of e-Navigation systems | | | |
| Objectives of the task and expected output: | Develop guidance on the integration of e-navigation systems with conventional AtoN equipment and systems. | | | |
| Expected outcome | Provide new guidance documentation. | | | |
| Strategic Alignment | **Goal** G1: Ensure that aids to navigation systems and related services, including e-Navigation, Vessel Traffic Services, and emerging technologies, through international cooperation and the provision of standards are harmonised  **Strategy** S3: Harmonise the information structure, Maritime Services Portfolios and communications for e-Navigation by creating standards and by cooperating with other IGOs to achieve worldwide interoperability of shore and ship systems including IMO sustainability goals for a maritime transport system.  **Priority** P3: Develop guidance on positioning, communications, Maritime Services Portfolios and Data modelling for e-Navigation | | | |
| Scope (Describe key items that are in scope/out of scope) | **Working Group 2: Technical Knowledge and Sustainability**  Awaiting advice from ENAV Committee. | | | |
| Expected Sessions for Completion: | Session number:  1 2 3 4 5 6 7  x  x  x  x  x  x | | | |
| Brief and concise description of the work to be undertaken and programme milestones where appropriate. | Key milestones for completing the task include:   * Gather experience from on-going installations * Liaise with ENAV Committee on scope of guidance * Liaise with Industrial members on current available technology * Update existing Guidance documentation e.g. AIS AtoNs on buoys | | | |
| **Task Revision** | **Ver.** | **Date** | **Part / Section Revised** | **Requirement for Revision** |
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| **ENG Committee – 2014-18 Work Programme** | | | | |
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| **TASK** | 2.2.1 Develop guidance on sustainable AtoN design & maintenance | | | |
| Objectives of the task and expected output: | Develop Guidance document: Taking into consideration methods to reduce impact on the environment, zero maintenance concept, service interval extension, recycling, reuse and disposal of equipment, decommissioning of AtoN site etc. | | | |
| Expected outcome | Update of existing Guidance document 1036 on environmental considerations and review other existing maintenance documentation. | | | |
| Strategic Alignment | **Goal** G2: All coastal states have contributed to an efficient global network of aids to navigation and services for the safety of navigation, through capacity building and the sharing of expertise.  **Strateg**y S3: Coordinate the further developments od VTS, e-Navigation and short range aids to navigation, taking into account new technologies and sustainability.  **Priority** P8: Provide guidance on management, engineering and sustainability in aids to navigation, particularly concerning modern materials and light sources | | | |
| Scope (Describe key items that are in scope/out of scope) | **Working Group 2: Technical Knowledge and Sustainability** | | | |
| Expected Sessions for Completion: | Session number:  1 2 3 4 5 6 7  x  x  x  x | | | |
| Brief and concise description of the work to be undertaken and programme milestones where appropriate. | Key milestones for completing the task include:   * Review existing Guidance documentation at ENG2 and 3 * Update Guidance documentation at ENG4 * Finalise output at ENG5 | | | |
| **Task Revision** | **Ver** | **Date** | **Part / Section Revised** | **Requirement for Revision** |
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| **ENG Committee – 2014-18 Work Programme** | | | | |
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| **TASK** | 2.2.2 Develop guidance on the commissioning of AtoN equipment and systems and Engineering audits | | | |
| Objectives of the task | Develop guidance on the commissioning of AtoN equipment and systems and Engineering audits. | | | |
| Expected outcome | New Guidance document. | | | |
| Strategic Alignment | **Goal** G2: All coastal states have contributed to an efficient global network of aids to navigation and services for the safety of navigation, through capacity building and the sharing of expertise.  **Strategy** S1: Position IALA as the source of standards, knowledge and expertise that will enable States to undertake and share the technical developments of aids to navigation, in accordance with UNCLOS, SOLAS, and other obligations.  **Priority** P8: Provide guidance on management, engineering and sustainability in aids to navigation, particularly concerning modern materials and light sources | | | |
| Scope (Describe key items that are in scope/out of scope) | **Working Group 2: Technical Knowledge and Sustainability**  Pre-installation and testing of equipment and confirmation of correct system configuration and performance following installation. Guidance on auditing AtoN sites from a technical perspective to ensure correct AtoN operation and performance. | | | |
| Expected Sessions for Completion: | Session number:  1 2 3 4 5 6 7  x  x  x  x | | | |
| Brief and concise description of the work to be undertaken and programme milestones where appropriate. | Key milestones for completing the task include:   * Review existing documentation from members * Develop guidance outline and Confirm scope of guidance at ENG2 * Develop guidance content at ENG3 and 4 * Finalise guidance documentation at ENG5. | | | |
| **Task Revision** | **Ver.** | **Date** | **Part / Section Revised** | **Requirement for Revision** |
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| **ENG Committee – 2014-18 Work Programme** | | | | |
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| **TASK** | 2.3.1 Develop guidance on AtoN design & maintenance for hot climates | | | |
| Objectives of the task and expected output: | Develop guidance on AtoN design & maintenance for hot climates. | | | |
| Expected outcome | Updating of existing guidance documents and/or development of a single new document on this subject. | | | |
| Strategic Alignment | **Goal** G2: All coastal states have contributed to an efficient global network of aids to navigation and services for the safety of navigation, through capacity building and the sharing of expertise.  **Strategy** S1: Position IALA as the source of standards, knowledge and expertise that will enable States to undertake and share the technical developments of aids to navigation, in accordance with UNCLOS, SOLAS, and other obligations.  **Priority** P8: Provide guidance on management, engineering and sustainability in aids to navigation, particularly concerning modern materials and light sources | | | |
| Scope (Describe key items that are in scope/out of scope) | **Working Group 2: Technical Knowledge and Sustainability**  Taking into consideration work already completed on polar regions, additional guidance is required for AtoN in extreme heat environments. | | | |
| Expected Sessions for Completion: | Session number:  1 2 3 4 5 6 7  x  x  x  x  x  x | | | |
| Brief and concise description of the work to be undertaken and programme milestones where appropriate. | Key milestones for completing the task include:   * Review existing guidance documents eg 1092 on Safety Management for working in hot climates. * Review existing documentation from members on experience in hot climates * Develop guidance outline and confirm scope of guidance at ENG2 * Develop guidance content at ENG3 and 4 * Further development content following hot climate workshop * Finalise guidance documentation at ENG6. | | | |
| **Task Revision** | **Ver.** | **Date** | **Part / Section Revised** | **Requirement for Revision** |
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| **ENG Committee – 2014-18 Work Programme** | | | | |
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| **TASK** | 2.3.2 Workshop on AtoN delivery and maintenance in extreme heat | | | |
| Objectives of the task | Plan and deliver a Workshop on AtoN delivery and maintenance in extreme heat in autumn/winter of 2016. | | | |
| Expected outcome | Host a successful IALA workshop on "AtoN delivery and maintenance in extreme heat” | | | |
| Strategic Alignment | **Goal** G2: All coastal states have contributed to an efficient global network of aids to navigation and services for the safety of navigation, through capacity building and the sharing of expertise.  **Strategy** S1: Position IALA as the source of standards, knowledge and expertise that will enable States to undertake and share the technical developments of aids to navigation, in accordance with UNCLOS, SOLAS, and other obligations.  **Priority** P14: Promote technology transfer and knowledge sharing concerning aids to navigation. | | | |
| Scope (Describe key items that are in scope/out of scope) | **Working Group 2: Technical Knowledge and Sustainability – with input from WG1**  Identify issues with material selection for power systems and AtoN equipment in hot environments, including worker safety. | | | |
| Expected Sessions for Completion: | Session number:  1 2 3 4 5 6 7  x  x  x  x  x | | | |
| Brief and concise description of the work to be undertaken and programme milestones where appropriate. | Key milestones for completing the task include:   * Scope of the workshop and draft content for Council approval * Identification of a host nation an suitable facilities * Firm up on dates, venue and content * Identification of exhibitors and presenters * Booking and invitations * Delivery * Review | | | |
| **Task Revision** | **Ver.** | **Date** | **Part / Section Revised** | **Requirement for Revision** |
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| **ENG Committee – 2014-18 Work Programme** | | | | |
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| **TASK** | 2.4.1 Review and update guidance on safety of personnel | | | |
| Objectives of the task | Review and update existing guidance documentation on the safety of personnel. | | | |
| Expected outcome | Update guidance documentation. | | | |
| Strategic Alignment | **Goal** G2: All coastal states have contributed to an efficient global network of aids to navigation and services for the safety of navigation, through capacity building and the sharing of expertise.  **Strategy** S1: Position IALA as the source of standards, knowledge and expertise that will enable States to undertake and share the technical developments of aids to navigation, in accordance with UNCLOS, SOLAS, and other obligations.  **Priority** P8: Provide guidance on management, engineering and sustainability in aids to navigation, particularly concerning modern materials and light sources | | | |
| Scope (Describe key items that are in scope/out of scope) | **Working Group 2: Technical Knowledge and Sustainability** | | | |
| Expected Sessions for Completion: | Session number:  1 2 3 4 5 6 7  x  x  x | | | |
| Brief and concise description of the work to be undertaken and programme milestones where appropriate. | Key milestones for completing the task include:   * Review existing guidance documentation and seek input from members * Develop guidance outline and confirm scope of guidance at ENG2 * Develop guidance content at ENG3 * Finalise guidance documentation at ENG4. | | | |
| **Task Revision** | **Ver.** | **Date** | **Part / Section Revised** | **Requirement for Revision** |
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| **ENG Committee – 2014-18 Work Programme** | | | | |
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| **TASK** | 2.5.1 Populate the S-100 registry as requested by ENAV Committee | | | |
| Objectives of the task | To support the compilation of the S-100 registry as requested. | | | |
| Expected outcome | Revised and updated S-100 registry data as requested by ENAV Committee. | | | |
| Strategic Alignment | **Goal** G1: Ensure that aids to navigation systems and related services, including e-Navigation, Vessel Traffic Services, and emerging technologies, through international cooperation and the provision of standards are harmonised  **Strategy** S3: Harmonise the information structure, Maritime Services Portfolios and communications for e-Navigation by creating standards and by cooperating with other IGOs to achieve worldwide interoperability of shore and ship systems including IMO sustainability goals for a maritime transport system.  **Priority** P3: Develop guidance on positioning, communications, Maritime Services Portfolios and Data modelling for e-Navigation | | | |
| Scope (Describe key items that are in scope/out of scope) | **Working Group 1: Visual and Physical AtoN** | | | |
| Expected Sessions for Completion: | Session number:  1 2 3 4 5 6 7  x  x  x  x | | | |
| Brief and concise description of the work to be undertaken and programme milestones where appropriate. | Key milestones for completing the task include: | | | |
| **Task Revision** | **Ver.** | **Date** | **Part / Section Revised** | **Requirement for Revision** |
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| **ENG Committee – 2014-18 Work Programme** | | | | |
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| **TASK** | 3.1.1 Support the WWA in updating Recommendations and Guidelines on standards for training and certification of AtoN personnel as training courses are undertaken | | | |
| Objectives of the task | Review and update guidance as a result of feedback from WWA training events, other training providers and developments in technology. | | | |
| Expected outcome | Updated WWA Guidance documentation. | | | |
| Strategic Alignment | **Goal** G2: All coastal states have contributed to an efficient global network of aids to navigation and services for the safety of navigation, through capacity building and the sharing of expertise.  **Strategy** S2: Continue to develop capacity building activities to improve the global operations and management of aids to navigation systems and related services including **Goal** G2: All coastal states have contributed to an efficient global network of aids to navigation and services for the safety of navigation, through capacity building and the sharing of expertise.  **Priority** P14: Promote technology transfer and knowledge sharing concerning aids to navigation. | | | |
| Scope (Describe key items that are in scope/out of scope) | **Working Group 2: Technical Knowledge and Sustainability**  Review and update WWA guidance documentation in consultation with WWA program manager. | | | |
| Expected Sessions for Completion: | Session number:  1 2 3 4 5 6 7  x  x  x  x  x  x  x | | | |
| Brief and concise description of the work to be undertaken and programme milestones where appropriate. | Key milestones for completing the task include:   * Review guidance documentation identified by WWA at each ENG meeting * Update guidance documentation and submit to WWA for approval | | | |
| **Task Revision** | **Ver.** | **Date** | **Part / Section Revised** | **Requirement for Revision** |
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| **ENG Committee – 2014-18 Work Programme** | | | | |
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| **TASK** | 3.2.1 Support the WWA in updating model courses on standards for training and certification of AtoN personnel as training courses are undertaken | | | |
| Objectives of the task | Review and update guidance as a result of feedback from WWA training events, other training providers and developments in technology | | | |
| Expected outcome | Updated WWA Model Courses. | | | |
| Strategic Alignment | **Goal** G2: All coastal states have contributed to an efficient global network of aids to navigation and services for the safety of navigation, through capacity building and the sharing of expertise.  **Strategy** S2: Continue to develop capacity building activities to improve the global operations and management of aids to navigation systems and related services including **Goal** G2: All coastal states have contributed to an efficient global network of aids to navigation and services for the safety of navigation, through capacity building and the sharing of expertise.  **Priority** P14: Promote technology transfer and knowledge sharing concerning aids to navigation. | | | |
| Scope (Describe key items that are in scope/out of scope) | **Working Group 2: Technical Knowledge and Sustainability**  Review and update WWA documentation in accordance with IALA WWA model course update program. | | | |
| Expected Sessions for Completion: | Session number:  1 2 3 4 5 6 7  x  x  x  x  x  x  x | | | |
| Brief and concise description of the work to be undertaken and programme milestones where appropriate. | Key milestones for completing the task include:   * Review model course documentation identified by WWA at each ENG meeting * Update model course documentation and submit to WWA for approval | | | |
| **Task Revision** | **Ver.** | **Date** | **Part / Section Revised** | **Requirement for Revision** |
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| **ENG Committee – 2014-18 Work Programme** | | | | |
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| **TASK** | 4.1.1 Develop guidance on the use of heritage lighthouses for modern AtoN equipment & systems | | | |
| Objectives of the task | Develop guidance on the use of heritage lighthouses for modern AtoN equipment & systems. | | | |
| Expected outcome | New Guideline. | | | |
| Strategic Alignment | **Goal** G2: All coastal states have contributed to an efficient global network of aids to navigation and services for the safety of navigation, through capacity building and the sharing of expertise.  **Strategy** S1: Position IALA as the source of standards, knowledge and expertise that will enable States to undertake and share the technical developments of aids to navigation, in accordance with UNCLOS, SOLAS, and other obligations.  **Priority** P8: Provide guidance on management, engineering and sustainability in aids to navigation, particularly concerning modern materials and light sources | | | |
| Scope (Describe key items that are in scope/out of scope) | **Working Group 2: Technical Knowledge and Sustainability**  Taking into consideration installation of AIS AtoN, LED light sources, optical focussing and removal of mercury from lens rotation systems. | | | |
| Expected Sessions for Completion: | Session number:  1 2 3 4 5 6 7  x  x  x  x | | | |
| Brief and concise description of the work to be undertaken and programme milestones where appropriate. | Key milestones for completing the task include:   * Incorporate 1049 modern lamps in traditional optics into new Guidance documentation. * Review existing documentation from members on experience * Develop guidance outline and confirm scope of guidance at ENG2 * Develop guidance content at ENG3 and 4 * Finalise guidance documentation at ENG5. | | | |
| **Task Revision** | **Ver.** | **Date** | **Part / Section Revised** | **Requirement for Revision** |
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| **ENG Committee – 2014-18 Work Programme** | | | | |
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| **TASK** | 4.1.2 Develop guidance on AtoN structure protection systems & repair techniques | | | |
| Objectives of the task | Develop guidance on AtoN structure protection systems & repair techniques | | | |
| Expected outcome | Update and consolidate existing Guidance documentation | | | |
| Strategic Alignment | **Goal** G2: All coastal states have contributed to an efficient global network of aids to navigation and services for the safety of navigation, through capacity building and the sharing of expertise.  **Strategy** S1: Position IALA as the source of standards, knowledge and expertise that will enable States to undertake and share the technical developments of aids to navigation, in accordance with UNCLOS, SOLAS, and other obligations.  **Priority** P8: Provide guidance on management, engineering and sustainability in aids to navigation, particularly concerning modern materials and light sources | | | |
| Scope (Describe key items that are in scope/out of scope) | **Working Group 2: Technical Knowledge and Sustainability**  Taking into consideration corrosion prevention systems (cathodic protection, jackets and paint systems), concrete repair, erosion and scour prevention and effects of impacts of global warming. Specific repair techniques, products and the use of alternate modern materials such as acrylic glazing etc. | | | |
| Expected Sessions for Completion: | Session number:  1 2 3 4 5 6 7  x  x  x  x  x | | | |
| Brief and concise description of the work to be undertaken and programme milestones where appropriate. | Key milestones for completing the task include:   * Review existing documentation from members on experience * Develop guidance outline and confirm scope of guidance at ENG2 * Develop guidance content at ENG3, 4 and 5 * Finalise guidance documentation at ENG6. | | | |
| **Task Revision** | **Ver.** | **Date** | **Part / Section Revised** | **Requirement for Revision** |
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| **ENG Committee – 2014-18 Work Programme** | | | | |
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| **TASK** | 5.1.1 Update the Navguide | | | |
| Objectives of the task | To maintain the IALA Navguide as an up to date information source for all AtoN service providers. | | | |
| Expected outcome | The relevant sections of the IALA Navguide are reviewed and updated as requested by the ARM Committee. | | | |
| Strategic Alignment | **Goal** G2: All coastal states have contributed to an efficient global network of aids to navigation and services for the safety of navigation, through capacity building and the sharing of expertise.  **Strategy** S1: Position IALA as the source of standards, knowledge and expertise that will enable States to undertake and share the technical developments of aids to navigation, in accordance with UNCLOS, SOLAS, and other obligations.  **Priority** P1: Transform the IALA product line by redefining and restructuring existing documentation to meet the future needs of the organisation, including document content, the approval process and accessibility. | | | |
| Scope (Describe key items that are in scope/out of scope) | **Working Group 1: Visual & Physical AtoN**  **Working Group 2: Technical Knowledge and Sustainability**  As requested by ARM Committee, selected chapters of the Navguide to be reviewed and updated and submitted to ARM Committee, PAP and Council for approval.  Committee members to provide updated pictures and illustrations of suitable publishing quality that are relevant to the technical content being updated. | | | |
| Expected Sessions for Completion: | Session number:  1 2 3 4 5 6 7  x  x  x  x | | | |
| Brief and concise description of the work to be undertaken and programme milestones where appropriate. | Key milestones for completing the task include:   * Review Navguide update schedule from ARM Committee * Develop review plan for ENG Working Groups 1 and 2 * Review relevant sections of the Navguide and provide feedback to the ARM Committee | | | |
| **Task Revision** | **Ver.** | **Date** | **Part / Section Revised** | **Requirement for Revision** |
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| **ENG Committee – 2014-18 Work Programme** | | | | |
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| **TASK** | 5.1.2 Review of IALA documents | | | |
| Objectives of the task | Document review to update the IALA product line Some will need deleting, amalgamating, Editing, Updating. As per input paper on document ownership. | | | |
| Expected outcome | Delivery of updated guidance documentation. | | | |
| Strategic Alignment | **Goal** G2: All coastal states have contributed to an efficient global network of aids to navigation and services for the safety of navigation, through capacity building and the sharing of expertise.  **Strategy** S1: Position IALA as the source of standards, knowledge and expertise that will enable States to undertake and share the technical developments of aids to navigation, in accordance with UNCLOS, SOLAS, and other obligations.  **Priority** P1: Transform the IALA product line by redefining and restructuring existing documentation to meet the future needs of the organisation, including document content, the approval process and accessibility. | | | |
| Scope (Describe key items that are in scope/out of scope) | **Working Group 1: Visual & Physical AtoN**  **Working Group 2: Technical Knowledge and Sustainability** | | | |
| Expected Sessions for Completion: | Session number:  1 2 3 4 5 6 7  x  x  x  x  x  x  x | | | |
| Brief and concise description of the work to be undertaken and programme milestones where appropriate. | Key milestones for completing the task include:   * Review and update document ownership register * Identify documentation that can be merged * Identify documentation that requires updating * Identify documentation that is superseded * Update documentation | | | |
| **Task Revision** | **Ver.** | **Date** | **Part / Section Revised** | **Requirement for Revision** |
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| **ENG Committee – 2014-18 Work Programme** | | | | |
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| **TASK** | 5.1.3 Review and Update E200 On Marine Signal Lights | | | |
| Task Leader | E-200-0 Malcolm Nicholson / Moray Waddell  E-200-1 Frank Hermann / Yves-Marie Blanchard  E-200-2 Frank Hermann / Greg Hansen  E-200-3 Malcolm Nicholson / Aivar Usk / Frank Hermann  E-200-4 Malcolm Nicholson  E-200-5 Yves-Marie Blanchard | | | |
| Objectives of the task | To provide guidance for AtoN authorities on Marine Signalling. | | | |
| Expected outcome | IALA Guideline - *Guidelines provide detailed information on an aspect of a specific subject, indicating options, best practices and suggestions for implementation. IALA Guidelines relate to planning, operating and managing Aids to Navigation* | | | |
| Strategic Alignment | **Goal** G2: All coastal states have contributed to an efficient global network of aids to navigation and services for the safety of navigation, through capacity building and the sharing of expertise.  **Strategy** S1: Position IALA as the source of standards, knowledge and expertise that will enable States to undertake and share the technical developments of aids to navigation, in accordance with UNCLOS, SOLAS, and other obligations.  **Priority** P7: Continue to improve guidance on light and vision aspects of marine signalling, consolidating documentation. | | | |
| Scope *(Describe key items that are in scope/out of scope)* | **Working Group 1: Visual & Physical AtoN**  To give guidance on Marine Signalling to include Apparent Intensity, Background Lighting, Modelling techniques, new measurement techniques. | | | |
| Expected Sessions for Completion: | *Session number:*  *1 2 3 4 5 6 7*  X  X  X  X | | | |
| Brief and concise description of the work to be undertaken and programme milestones where appropriate. | Key milestones for completing the task include:   * E200-0 – Update references * E200-1 – Temporary Regions * E200-2 – definition for background lighting, introduce apparent intensity, Range calculator, expand calcs for range in reduced visibility, * E200-3 – Goniospectradiometry * E200-4 – Examples of MAM reuired, introduce apparent intensity * E200-5 – update factors for modern materials | | | |
| **Task Revision** | **Ver.** | **Date** | **Part / Section Revised** | **Requirement for Revision** |
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| **ENG Committee – 2014-18 Work Programme** | | | | |
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| **TASK** | 5.1.4 Update E-106 For the use of retro-reflecting material on aids to navigation marks within the IALA Maritime Buoyage System | | | |
| Task Leader | Sigge Gustafsson, Jorgen Royal Petersen | | | |
| Objectives of the task | To provide guidance for AtoN authorities on Marine Signalling. | | | |
| Expected outcome | IALA Guideline - Guidelines provide detailed information on an aspect of a specific subject, indicating options, best practices and suggestions for implementation. IALA Guidelines relate to planning, operating and managing Aids to Navigation | | | |
| Strategic Alignment | **Goal** G2: All coastal states have contributed to an efficient global network of aids to navigation and services for the safety of navigation, through capacity building and the sharing of expertise.  **Strategy** S1: Position IALA as the source of standards, knowledge and expertise that will enable States to undertake and share the technical developments of aids to navigation, in accordance with UNCLOS, SOLAS, and other obligations.  **Priority** P7: Continue to improve guidance on light and vision aspects of marine signalling, consolidating documentation. | | | |
| Scope *(Describe key items that are in scope/out of scope)* | **Working Group 1: Visual & Physical AtoN**  To give guidance on Marine Signalling. | | | |
| Expected Sessions for Completion: | *Session number:*  *1 2 3 4 5 6 7*  X  X | | | |
| Brief and concise description of the work to be undertaken and programme milestones where appropriate. | Key milestones / Remaining key milestones for completing the task include:   * Clear diagram showing the standard and comprehensive codes * Review use of blue/white for cardinal marks | | | |
| **Task Revision** | **Ver.** | **Date** | **Part / Section Revised** | **Requirement for Revision** |
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| **ENG Committee – 2014-18 Work Programme** | | | | |
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| **TASK** | 5.1.5 Review and Update E108 Ed 2 For the Surface Colours used as visual signals on aids to navigation | | | |
| Task Leader |  | | | |
| Objectives of the task | To provide guidance for AtoN authorities on Marine Signalling. | | | |
| Expected outcome | IALA Guideline - *Guidelines provide detailed information on an aspect of a specific subject, indicating options, best practices and suggestions for implementation. IALA Guidelines relate to planning, operating and managing Aids to Navigation* | | | |
| Strategic Alignment | **Goal** G2: All coastal states have contributed to an efficient global network of aids to navigation and services for the safety of navigation, through capacity building and the sharing of expertise.  **Strategy** S1: Position IALA as the source of standards, knowledge and expertise that will enable States to undertake and share the technical developments of aids to navigation, in accordance with UNCLOS, SOLAS, and other obligations.  **Priority** P7: Continue to improve guidance on light and vision aspects of marine signalling, consolidating documentation. | | | |
| Scope *(Describe key items that are in scope/out of scope)* | **Working Group 1: Visual & Physical AtoN**  To give guidance on Marine Signalling. | | | |
| Expected Sessions for Completion: | *Session number:*  *1 2 3 4 5 6 7*  X | | | |
| Brief and concise description of the work to be undertaken and programme milestones where appropriate. | Key milestones for completing the task include:   * Review of general content | | | |
| **Task Revision** | **Ver.** | **Date** | **Part / Section Revised** | **Requirement for Revision** |
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| **ENG Committee – 2014-18 Work Programme** | | | | |
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| **TASK** | 5.1.6 Review of IALA Recommendation E-110 for the Rhythmic Characters of Lights on Aids to Navigation (2012) | | | |
| Task Leader |  | | | |
| Objectives of the task | Document review to update the Recommendation. | | | |
| Expected outcome | Up-to-date Recommendation E-110 | | | |
| Strategic Alignment | **Goal** G2: All coastal states have contributed to an efficient global network of aids to navigation and services for the safety of navigation, through capacity building and the sharing of expertise.  **Strategy** S1: Position IALA as the source of standards, knowledge and expertise that will enable States to undertake and share the technical developments of aids to navigation, in accordance with UNCLOS, SOLAS, and other obligations.  **Priority** P1: Transform the IALA product line by redefining and restructuring existing documentation to meet the future needs of the organisation, including document content, the approval process and accessibility. | | | |
| Scope *(Describe key items that are in scope/out of scope)* | **Working Group 1: Visual & Physical AtoN**  To give guidance on Marine Signalling. | | | |
| Expected Sessions for Completion: | *Session number:*  *1 2 3 4 5 6 7*  X  X | | | |
| Brief and concise description of the work to be undertaken and programme milestones where appropriate. | Key milestones for completing the task include:   * update the use of Fixed Flashing Character * make reference to new guidelines on the selection of rhythmic characters including synchronisation | | | |
| **Task Revision** | **Ver.** | **Date** | **Part / Section Revised** | **Requirement for Revision** |
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| **ENG Committee – 2014-18 Work Programme** | | | | |
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| **TASK** | 5.1.7 Update Recommendation E-111 For port traffic signals | | | |
| Task Leader |  | | | |
| Objectives of the task | To provide guidance for AtoN authorities on port traffic signals | | | |
| Expected outcome | IALA Recommendation | | | |
| Strategic Alignment | **Goal** G2: All coastal states have contributed to an efficient global network of aids to navigation and services for the safety of navigation, through capacity building and the sharing of expertise.  **Strategy** S1: Position IALA as the source of standards, knowledge and expertise that will enable States to undertake and share the technical developments of aids to navigation, in accordance with UNCLOS, SOLAS, and other obligations.  **Priority** – P7: Continue to improve guidance on light and vision aspects of marine signalling, consolidating documentation. | | | |
| Scope *(Describe key items that are in scope/out of scope)* | **Working Group 1: Visual & Physical AtoN**  To give guidance on Marine Signalling. | | | |
| Expected Sessions for Completion: | *Session number:*  *1 2 3 4 5 6 7*  X  X | | | |
| Brief and concise description of the work to be undertaken and programme milestones where appropriate. | Key milestones for completing the task include:   * Include variable message signs * Review of general content | | | |
| **Task Revision** | **Ver.** | **Date** | **Part / Section Revised** | **Requirement for Revision** |
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| **ENG Committee – 2014-18 Work Programme** | | | | |
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| **TASK** | 5.1.8 Update E-112 For Leading Lights and 1023 for the design of leading lights | | | |
| Task Leader | Frank Hermann / Yves-Marie Blanchard | | | |
| Objectives of the task | To provide guidance for AtoN authorities on Marine Signalling. | | | |
| Expected outcome | IALA Guideline - *Guidelines provide detailed information on an aspect of a specific subject, indicating options, best practices and suggestions for implementation. IALA Guidelines relate to planning, operating and managing Aids to Navigation* | | | |
| Strategic Alignment | **Goal** – G2: All coastal states have contributed to an efficient global network of aids to navigation and services for the safety of navigation, through capacity building and the sharing of expertise.  **Strateg**y – S1: Position IALA as the source of standards, knowledge and expertise that will enable States to undertake and share the technical developments of aids to navigation, in accordance with UNCLOS, SOLAS, and other obligations.  **Priority** – P7: Continue to improve guidance on light and vision aspects of marine signalling, consolidating documentation. | | | |
| Scope *(Describe key items that are in scope/out of scope)* | **Working Group 1: Visual & Physical AtoN**  To give guidance on Marine Signalling. | | | |
| Expected Sessions for Completion: | *Session number:*  *1 2 3 4 5 6 7*  X  X  X | | | |
| Brief and concise description of the work to be undertaken and programme milestones where appropriate. | Key milestones / Remaining key milestones for completing the task include:   * Review for some minor changesMinor updates. * Cross reference to the guideline on daymarks * Cross reference with guideline on synchronised lights * Update the calculating programme from excel 98 to maintain compatibility * Use of LED technology | | | |
| **Task Revision** | **Ver.** | **Date** | **Part / Section Revised** | **Requirement for Revision** |
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| **ENG Committee – 2014-18 Work Programme** | | | | |
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| **TASK** | 5.1.9 Merge and update 1043 On Light Sources and 1048 On LED Technologies and 1049 On The Use of Modern Light Sources in Traditional Lighthouses | | | |
| Task Leader | Malcolm Nicholson / Manuel Santos | | | |
| Objectives of the task | To provide guidance for AtoN authorities on Marine Signalling. | | | |
| Expected outcome | IALA Guideline - *Guidelines provide detailed information on an aspect of a specific subject, indicating options, best practices and suggestions for implementation. IALA Guidelines relate to planning, operating and managing Aids to Navigation* | | | |
| Strategic Alignment | **Goal** – G2: All coastal states have contributed to an efficient global network of aids to navigation and services for the safety of navigation, through capacity building and the sharing of expertise.  **Strateg**y – S1: Position IALA as the source of standards, knowledge and expertise that will enable States to undertake and share the technical developments of aids to navigation, in accordance with UNCLOS, SOLAS, and other obligations.  **Priority** – P7: Continue to improve guidance on light and vision aspects of marine signalling, consolidating documentation. | | | |
| Scope *(Describe key items that are in scope/out of scope)* | **Working Group 1: Visual & Physical AtoN**  To give guidance on Marine Signalling. | | | |
| Expected Sessions for Completion: | *Session number:*  *1 2 3 4 5 6 7*  X  X  X | | | |
| Brief and concise description of the work to be undertaken and programme milestones where appropriate. | Key milestones for completing the task include:   * Update to reflect LED developments since publication * Update and check that measurement section is still valid * Review of general content | | | |
| **Task Revision** | **Ver.** | **Date** | **Part / Section Revised** | **Requirement for Revision** |
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| **ENG Committee – 2014-18 Work Programme** | | | | |
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| **TASK** | 5.1.10 Update 1041 On Sector Lights | | | |
| Task Leader | Frank Hermann / Malcolm Nicholson | | | |
| Objectives of the task | To provide guidance for AtoN authorities on Marine Signalling. | | | |
| Expected outcome | IALA Guideline - *Guidelines provide detailed information on an aspect of a specific subject, indicating options, best practices and suggestions for implementation. IALA Guidelines relate to planning, operating and managing Aids to Navigation* | | | |
| Strategic Alignment | **Goal** – G2: All coastal states have contributed to an efficient global network of aids to navigation and services for the safety of navigation, through capacity building and the sharing of expertise.  **Strateg**y – S1: Position IALA as the source of standards, knowledge and expertise that will enable States to undertake and share the technical developments of aids to navigation, in accordance with UNCLOS, SOLAS, and other obligations.  **Priority** – P7: Continue to improve guidance on light and vision aspects of marine signalling, consolidating documentation. | | | |
| Scope *(Describe key items that are in scope/out of scope)* | **Working Group 1: Visual & Physical AtoN**   * To give guidance on Marine Signalling. | | | |
| Expected Sessions for Completion: | *Session number:*  *1 2 3 4 5 6 7*  X  X  X | | | |
| Brief and concise description of the work to be undertaken and programme milestones where appropriate. | Key milestones for completing the task include:   * Measurement procedure and installation procedure * add section on goniospectroradiometry * revise definitions * update links to other recommendations and guidelines | | | |
| **Task Revision** | **Ver.** | **Date** | **Part / Section Revised** | **Requirement for Revision** |
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| **ENG Committee – 2014-18 Work Programme** | | | | |
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| **TASK** | 5.1.11 Update 1061 Illumination of Structures | | | |
| Task Leader | Malcolm Nicholson | | | |
| Objectives of the task | To provide guidance for AtoN authorities on Marine Signalling. | | | |
| Expected outcome | IALA Guideline - *Guidelines provide detailed information on an aspect of a specific subject, indicating options, best practices and suggestions for implementation. IALA Guidelines relate to planning, operating and managing Aids to Navigation* | | | |
| Strategic Alignment | **Goal** - G2: All coastal states have contributed to an efficient global network of aids to navigation and services for the safety of navigation, through capacity building and the sharing of expertise.  **Strategy** - S1: Position IALA as the source of standards, knowledge and expertise that will enable States to undertake and share the technical developments of aids to navigation, in accordance with UNCLOS, SOLAS, and other obligations.  **Priority** - P7: Continue to improve guidance on light and vision aspects of marine signalling, consolidating documentation. | | | |
| Scope *(Describe key items that are in scope/out of scope)* | **Working Group 1: Visual & Physical AtoN**  To give guidance on Marine Signalling. | | | |
| Expected Sessions for Completion: | *Session number:*  *1 2 3 4 5 6 7*  X  X | | | |
| Brief and concise description of the work to be undertaken and programme milestones where appropriate. | Key milestones for completing the task include:   * design process and techniques * add links to raytracing applications * add design process formula and examples (MN) * consider referring to extended light sources in 1043 | | | |
| **Task Revision** | **Ver.** | **Date** | **Part / Section Revised** | **Requirement for Revision** |
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| **ENG Committee – 2014-18 Work Programme** | | | | |
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| **TASK** | 5.1.12 Update 1065 On Aids to Navigation Signal Light Beam Vertical Divergence | | | |
| Task Leader |  | | | |
| Objectives of the task | To provide guidance for AtoN authorities on Marine Signalling. | | | |
| Expected outcome | IALA Guideline - *Guidelines provide detailed information on an aspect of a specific subject, indicating options, best practices and suggestions for implementation. IALA Guidelines relate to planning, operating and managing Aids to Navigation* | | | |
| Strategic Alignment | **Goal** – G2: All coastal states have contributed to an efficient global network of aids to navigation and services for the safety of navigation, through capacity building and the sharing of expertise.  **Strateg**y – S1: Position IALA as the source of standards, knowledge and expertise that will enable States to undertake and share the technical developments of aids to navigation, in accordance with UNCLOS, SOLAS, and other obligations.  **Priority** – P7: Continue to improve guidance on light and vision aspects of marine signalling, consolidating documentation. | | | |
| Scope *(Describe key items that are in scope/out of scope)* | **Working Group 1: Visual & Physical AtoN**  To give guidance on Marine Signalling. | | | |
| Expected Sessions for Completion: | *Session number:*  *1 2 3 4 5 6 7*  X | | | |
| Brief and concise description of the work to be undertaken and programme milestones where appropriate. | Key milestones for completing the task include:   * Review of general content | | | |
| **Task Revision** | **Ver.** | **Date** | **Part / Section Revised** | **Requirement for Revision** |
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| **ENG Committee WG 1 – 2014-18 Work Programme** | | | | |
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| **TASK** | 5.1.13 Review and Update of Guideline 1073 on Conspicuity of AtoN at Night | | | |
| Task Leader | Malcolm Nicholson / John Corio | | | |
| Objectives of the task | Document review to update the IALA product line Some will need deleting, amalgamating, Editing, Updating. As per input paper on document ownership | | | |
| Expected outcome | Updated Guideline | | | |
| Strategic Alignment | **Goal** - G2: All coastal states have contributed to an efficient global network of aids to navigation and services for the safety of navigation, through capacity building and the sharing of expertise.  **Strateg**y - S1: Position IALA as the source of standards, knowledge and expertise that will enable States to undertake and share the technical developments of aids to navigation, in accordance with UNCLOS, SOLAS, and other obligations.  **Priority** – P1: Transform the IALA product line by redefining and restructuring existing documentation to meet the future needs of the organisation, including document content, the approval process and accessibility. | | | |
| Scope *(Describe key items that are in scope/out of scope)* | **Working Group 1: Visual & Physical AtoN**  To give guidance on Marine Signalling. | | | |
| Expected Sessions for Completion: | *Session number:*  *1 2 3 4 5 6 7*  X  X  X | | | |
| Brief and concise description of the work to be undertaken and programme milestones where appropriate. | Key milestones for completing the task include:   * Update information on optical filters and the use of LEDs and filters * Check for other updates/techniques | | | |
| **Task Revision** | **Ver.** | **Date** | **Part / Section Revised** | **Requirement for Revision** |
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| **ENG Committee – 2014-18 Work Programme** | | | | |
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| **TASK** | 5.2.1 Identify current documents as potential Standards, Recommendations, Guidelines & Manuals | | | |
| Objectives of the task | Identify current documents as potential Standards, Recommendations, Guidelines & Manuals. | | | |
| Expected outcome | One or two standards proposed for adoption by the Council. | | | |
| Strategic Alignment | **Goal** G1: Ensure that aids to navigation systems and related services, including e-Navigation, Vessel Traffic Services, and emerging technologies, through international cooperation and the provision of standards are harmonised  **Strategy** S1: Develop standards suitable for direct citation by States in areas deemed important by the General Assembly, and continue to improve strong governance, including document policy and procedure for standards.  **Priority** P2: Deliver a limited suite of high level standards suitable for direct citation by States and by other international organisations | | | |
| Scope (Describe key items that are in scope/out of scope) | **Working Group 1: Visual & Physical AtoN**  **Working Group 2: Technical Knowledge and Sustainability**  Potential current documents for standards may be E109 Range of Fog Signals | | | |
| Expected Sessions for Completion: | Session number:  1 2 3 4 5 6 7  x  x  x  x  44 | | | |
| Brief and concise description of the work to be undertaken and programme milestones where appropriate. | Key milestones for completing the task include:   * Review current documentation * Identify potential standards * Modify documentation into standard format for consideration by the Council | | | |
| **Task Revision** | **Ver.** | **Date** | **Part / Section Revised** | **Requirement for Revision** |
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| **ENG Committee – 2014-18 Work Programme** | | | | |
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| **TASK** | 5.3.1 Presentation to ENG committee on new developments in AtoN, technology and related topics | | | |
| Objectives of the task | To inform ENG Committee members of new technological developments in AtoN related areas. | | | |
| Expected outcome | Committee members being informed of current and emerging technologies to enable them to consider their application within their area of operation. | | | |
| Strategic Alignment | **Goal** G2: All coastal states have contributed to an efficient global network of aids to navigation and services for the safety of navigation, through capacity building and the sharing of expertise.  **Strategy** S1: Position IALA as the source of standards, knowledge and expertise that will enable States to undertake and share the technical developments of aids to navigation, in accordance with UNCLOS, SOLAS, and other obligations.  **Priority** P14: Promote technology transfer and knowledge sharing concerning aids to navigation. | | | |
| Scope (Describe key items that are in scope/out of scope) | **Working Group 1: Visual & Physical AtoN**  **Working Group 2: Technical Knowledge and Sustainability**  To consider any field of interest relating to aids to navigation engineering, maintenance, design, application of technology, modern durable materials and emerging technology in their delivery of aids to navigation services. These will be in the form of presentations to the committee and any related papers made available for committee members to use as they see fit. These will not be official IALA publications or approved but may lead to further debate and potential inclusion in the development of IALA guidance documentation. To be presented by the committee rapporteurs or any informed committee member as presentations. Presentations and reports will be made available to members on the IALA website Committee Area and will be posted on the IALA Wiki. | | | |
| Expected Sessions for Completion: | Session number:  1 2 3 4 5 6 7  x  x  x  x  x  x  x | | | |
| Brief and concise description of the work to be undertaken and programme milestones where appropriate. | Key milestones for completing the task include:   * Rapporteur reports and presentations at each ENG committee meeting * Posting presentation material and reports on the IALA website and IALA Wiki following each committee meeting | | | |
| **Task Revision** | **Ver.** | **Date** | **Part / Section Revised** | **Requirement for Revision** |
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| **ENG Committee – 2014-18 Work Programme** | | | | |
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| **TASK** | 5.3.2 Develop the IALA Wiki | | | |
| Objectives of the task | To develop the Wiki and use of the Wiki as the source of committee knowledge sharing and document development. | | | |
| Expected outcome | Wiki in use as the media for document development and knowledge and information sharing. | | | |
| Strategic Alignment | **Goal** G1: Ensure that aids to navigation systems and related services, including e-Navigation, Vessel Traffic Services, and emerging technologies, through international cooperation and the provision of standards are harmonised  **Strategy** S5: Ensure the resources and capabilities of the Secretariat are sufficient to enable IALA and its committees and organs to reach its goals  **Priority** P14: Promote technology transfer and knowledge sharing concerning aids to navigation. | | | |
| Scope (Describe key items that are in scope/out of scope) | **Working Group 2: Technical Knowledge and Sustainability**  Further development ENG page and category structure | | | |
| Expected Sessions for Completion: | Session number:  1 2 3 4 5 6 7  x  x  x  x  x  x  x | | | |
| Brief and concise description of the work to be undertaken and programme milestones where appropriate. | Key milestones for completing the task include:   * Update ENG page structure * Add content from ENG meeting input papers * Add task register to Wiki | | | |
| **Task Revision** | **Ver.** | **Date** | **Part / Section Revised** | **Requirement for Revision** |
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| **ENG Committee – 2014-18 Work Programme** | | | | |
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| **TASK** | 5.3.3 Develop the IALA Dictionary | | | |
| Objectives of the task | Review and update the IALA Dictionary on the Wiki | | | |
| Expected outcome | Update terms in the IALA dictionary as existing terms require updating and new terms are identified. | | | |
| Strategic Alignment | **Goal** G2: All coastal states have contributed to an efficient global network of aids to navigation and services for the safety of navigation, through capacity building and the sharing of expertise.  **Strategy** S1: Position IALA as the source of standards, knowledge and expertise that will enable States to undertake and share the technical developments of aids to navigation, in accordance with UNCLOS, SOLAS, and other obligations.  **Priority** P14: Promote technology transfer and knowledge sharing concerning aids to navigation | | | |
| Scope (Describe key items that are in scope/out of scope) | **Working Group 2: Knowledge and Sustainability** | | | |
| Expected Sessions for Completion: | Session number:  1 2 3 4 5 6 7  x  x  x  x  x | | | |
| Brief and concise description of the work to be undertaken and programme milestones where appropriate. | Key milestones for completing the task include:   * Review and update IALA Dictionary policy * Establish Dictionary editing group * Develop Dictionary review program to maintain current dictionary terms * Review and add new terms as required | | | |
| **Task Revision** | **Ver.** | **Date** | **Part / Section Revised** | **Requirement for Revision** |
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| **ENG Committee – 2014-18 Work Programme** | | | | |
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| **TASK** |  | | | |
| Objectives of the task | . | | | |
| Expected outcome |  | | | |
| Strategic Alignment | **Goal**  -  **Strategy** -  **Priority** - | | | |
| Scope (Describe key items that are in scope/out of scope) |  | | | |
| Expected Sessions for Completion: | Session number:  1 2 3 4 5 6 7 | | | |
| Brief and concise description of the work to be undertaken and programme milestones where appropriate. | Key milestones for completing the task include: | | | |
| **Task Revision** | **Ver.** | **Date** | **Part / Section Revised** | **Requirement for Revision** |
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# Annex 1: IALA’s Strategic Vision 2014-2026 (Approved by IALA Council C56 – 2013-12-11)

