| **ARM Committee Work Programme 2023-2027** | |
| --- | --- |
| **Standard** | * Standard 1010 AtoN Planning and Service Requirement * Standard 1020 AtoN Design and Delivery |
| **Topic Area** | Categorisation, Availability Objectives, Availability and Reliability for Short Range Aids to Navigation |
| **Task** | Compile a Recommendation to incorporate all references relating to the Categorisation, Availability Objectives (G1030), Availability and Reliability for Short Range Aids to Navigation (G1035), Calculation of Availability (G1004) and relevant text appearing in the 2018 & draft 2023 NAVGuides that are not cross-referenced in the aforementioned Guidelines. |
| **Objectives of the task** | To have an overarching Recommendation, bringing together all IALA technical documents relating to the Categorisation, Availability Objectives (G1030), Availability and Reliability for Short Range Aids to Navigation (G1035), Calculation of Availability (G1004) and relevant text appearing in the 2018 & draft 2023 NAVGuides that are not cross-referenced in the aforementioned Guidelines. |
| **Expected outcome** | Having one document that refers to all IALA technical documents relating to the Categorisation, Availability Objectives (G1030), Availability and Reliability for Short Range Aids to Navigation (G1035), Calculation of Availability (G1004) and relevant text appearing in the 2018 & draft 2023 NAVGuides that are not cross-referenced to in the aforementioned Guidelines. |
| **Compelling need** | The Categorisation and Availability of AtoN are addressed in various IALA technical documents, and there are no cross references in all of these. It is demonstrated as follows:   * G1004-Ed3.1 - Level of Service (Description and benefits of establishing the level of service for AtoN provision. (How to develop LOS and calculate availability).   No cross references to other related “Availability” Guidelines.   * G1010-Ed2.1 - Racon-Range Performance (Factors under the control of the radar operator and estimation of RACON range with examples.)   Text appearing in 2018 & draft 2023 NAVGuides: IALA recommends that the availability of a racon should be at least 99.8%  The latter is not reflected in G1010   * R0121-Ed2.1 Performance and monitoring of DGNSS services in the frequency band 283.5-325 kHz   Text appearing in 2018 & draft 2023 NAVGuides: Recommendation R0121 retains the original definition of availability, but adds a statement about “non-availability”. Non-availability is equivalent to “down time” but as proposed includes both scheduled and/or unscheduled interruptions (i.e. Preventative and corrective maintenance) the revised equation becomes:  MtBo = Mean time between outages; based on a 2 year averaging period MtSR = Mean time to service restoration; based on a 2 year averaging period)  The abovementioned is not reflected in R0121   * R0130-Ed3.1 - Categorisation and Availability Objectives for Short Range Aids to Navigation (Recommends the categories and availability objectives) – cross-referenced to G1035 * G1033-Ed1.1 - The Provision of Aids to Navigation for Different Classes of Vessels including High Speed Craft (Provides information on consideration for high-speed craft and assessing requirements for the provision of AtoN for different classes of vessels. Annex A includes Availability to be taken into consideration when identifying the requirements for different types of waterways and different classes of vessels).   No cross references to other related “Availability” Guidelines.   * G1035-Ed2.1 Availability and Reliability of Aids to Navigation Theory and Examples (Provides a method of calculating availability and reliability calculation with a view to enabling members to provide a cost-effective AtoN service) – cross-referenced to G1030 * G1037-Ed2.1 Data Collection for Aids to Navigation Performance Calculation (Provides details of methods that can be used to collect information on the availability and reliability of AtoN equipment)   No cross references to other related “Availability” Guidelines.  This potentially deprive users of having knowledge of all the necessary requirements in terms of “Availability” for short range AtoN.  Although the NAVGuide could potentially be used to address this task, it is the considered opinion that:   * Users usually search for/use relevant Recommendations and Guidelines, and not anticipate using the NAVGuide for this purpose * The way the NAVGuide is constructed, it would not suffice * The contents of the NAVGuide are relooked at every 4 years and are amended and would therefore not suffice |
| **Strategic Alignment** | IALA Goal: G1 – Marine Aids to Navigation are developed and harmonised through international cooperation and the provision of standards.  IALA Strategy: S2 - Position IALA as the source of standards, knowledge, and expertise that will enable States to provide Marine Aids to Navigation, in accordance with relevant international obligations and recommendations. |
| **Scope** | **In Scope:**  Use contents of those documents listed in “Compelling need” above and develop a relevant Recommendation that makes reference to all IALA technical documents relating to the Categorisation, Availability Objectives (G1030), Availability and Reliability for Short Range Aids to Navigation (G1035), Calculation of Availability (G1004) and relevant text appearing in the 2018 & draft 2023 NAVGuides that are not referenced to in the aforementioned Guidelines |
| **Brief and concise description of the work to be undertaken and programme mile­stones** | Key milestones include:   * Take the contents of those documents listed in “Compelling need” above into consideration * Develop a Recommendation that makes reference to all IALA technical documents relating to the Categorisation, Availability Objectives (G1030), Availability and Reliability for Short Range Aids to Navigation (G1035), Calculation of Availability (G1004) and relevant text appearing in the 2018 & draft 2023 NAVGuides that are not referenced to in the aforementioned Guidelines |

|  |  |  |  |
| --- | --- | --- | --- |
| **Expected numbers of sessions for completion** | Session number:  17 18 19 20 21 22 23  X  X  X | | |
| **Committee notes** | **Origins** |  | |
|  | **Agreed by session** | **TD#** | **Comments** |
|  |  |  |
|  | **Approved by Council** | *(Council Session)* | *(Date)* |
|  | **Revision Notes:** |  | |