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|  | SM1 | 12.13.2 | 3rd para onwards | Te | The requirements are complex and it is tricky to understand the intentions of the IHO. While recognising that this section originates from S-124, para 11.1.2 “Filtering Navigational Warning information”, there are a number of issues from both the mariner and the OEM perspective:   * The concept of providing a capability to allow the mariner to “classify the relevance of a NAVWARN against the intended route” is unclear. * The consequence of having applied such a classification is undefined. * If we assume the intended consequence is a filter of whether the NAVWARN is displayed or not then, given this is a minimum standard, it’s preferable to avoid mandating a second filter criteria in addition to that already specified for indication of new NAVWARN messages in 12.13.1, as this results in complexity of the user interface * The purpose of “on chart/off chart/information” filtering overlaps with the purpose of the filtering “based on time and maximum distance from own ship, monitored route or planned route” in S-98 para 12.3.1(and which originated from IEC 61174:2015 para 4.12.6 c). Having two different but similar filters adds unnecessary complexity for the mariner. Simple user interfaces are safer. * NAVWARNs are not navigational hazards are referenced in MSC.530(106) so it is preferable not use the term “hazard” when describing NAVWARN filters. * The term “topic” is undefined in S-124 (although referenced in para 11.1.2)   Overall, it is preferable from the mariner and OEM perspective to simplify this section, align it with pre-existing filtering strategies defined in IEC 61174:2015 para 4.12.6 c, and to allow experienced-led refinements of such capabilities. | Reword 3rd para up to the example to read:  “As~~t~~ a minimum, the mariner ~~filtering functionality~~ must be able to filter the display of the NAVWARNs using one of the following criteria: ~~included that allows the user to classify the relevance of a NAVWARN against the intended route as:~~   * ~~on chart (relevant for the route, must always be visualized), or;~~ * ~~off chart (not relevant for the route, and need not be visualized), or;~~ * ~~information (relevant for the route, but for information and need not be visualized).~~ * distance from own ship * time from own ship (when route monitoring) * distance from route (planned or monitored, as applicable)   Additionally, the mariner must be able to filter by:   * NAVWARNING type (navwarnTypeGeneral attribute of NAVWARNPreamble)   ~~On chart should be the default classification for all NAVWARNs.~~  Additional filters may be provided.  NOTE: Even though the full extent of a navigational warning may not portrayed, it must still be available and discoverable in a list of NAVWARNs that can be recalled by user action at any time  ~~Additional filtering functions may include options such as;~~  ~~• Filtering on route with a buffer;~~  ~~• Navigational warning topic;~~  ~~• Date range of the hazard;~~  ~~• Valid time of the navigational warning.~~  These filters may ~~then~~ be used to assist the navigator in identifying the most relevant ~~classifying a~~ NAVWARNs ~~according to its relevance for the route~~.  NOTE: For ECDIS & INS these presentation requirements supersede those in S-124.” |  |
|  |  | 12.13 | Throughout | Ed | This section uses three different terms to refer to the same stakeholder: user, mariner and operator. | Replace “operator” with “mariner”, as we are in the context of an ECDIS. |  |
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|  |  | 12.13.1 |  | Te | The requirements are complex and it is tricky to understand the intentions of the IHO. The requirements for filtering are complex and do not adequately take human factors into account. Currently, the following filters are required:   * Filtering the list of NAVWARNs (13.13.1.2) * Filtering which new NAVWARNs result in an indication, such filtering to be the same as that in 12.3 (13.13.1.3) * A duplicate requirement to filter which new NAVWARNs result in an indication, such filtering to be the same as that in 12.3 (13.13.1.4) * Filtering the NAVWARN graphical display. (12.13.2)   This is unnecessarily complex for the mariner to understand and requirement should be simplified.  Additionally,   * The concept of tagging is introduced in bullet 1 but not developed on, so the IHO’s intention is unclear * The requirement in bullet 2 to “list according to user classification” is unclear whether a sorting order or a filter is required * The requirement in bullet 4 to filter on both time and distance from own ship needs refinement (i.e. probably to distance *or* time) * Much of bullet 7 duplicates the requirement of bullet 2. * The requirement to select multiple NAVWARN symbols exceeds the minimum required | Reword to:   1. ~~The user must be able to tag individual messages according to the filtering requirements in section 12.13.2~~ 2. A Capability for an on demand listing of all (S-124) NAVWARN messages in the system, and sorting these according to: received date and time, issue date and time, warning type, producer and series, must be provided. 3. ~~Additionally, a means~~ The mariner to be able to filter the list of NAVWARNs using the filter criteria set by the mariner (see 12.13.2).  ~~according to user classification should be provided.~~ 4. Provide an indication when a new NAVWARN message is received until it has been displayed or 24 hours have passed. This indication may be suppressed if the NAVWARN message does not meet filtering criteria set by the mariner (see 12.3). 5. ~~Means must be provided for the operator to enter criteria for filtering of indication of new NAVWARN messages based on time and maximum distance from own ship, monitored route or planned route (see 12.3). Default setting must be no filtering~~. 6. Details of the filtering options that have been enabled by mariner ~~user~~ must be readily available for inspection and modification. 7. Means must be provided to ~~view the most recent message, past messages, and to~~ view messages associated with a selected~~ion~~ ~~of~~ NAVWARN symbol~~s~~ in the graphical display area. 8. Listing of all NAVWARN must include means for viewing an abbreviated view of any **NAVWARNPart**, **warningInformation** attributes present.   NOTE: For ECDIS & INS these presentation requirements supersede those in S-124.” |  |
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