# Report from Dublin 2016 Intersessional Meeting of ENAV WG3

# IALA ENAV Working Group 3 – Telecommunication

The IALA eNAV working group 3 telecommunication met at an intersessional meeting in Dublin the week of January 18, 2015, hosted by Steve Burrows from Irish Lights. The agenda called for progress on the following objectives:

* Review the outcome of WRC-15;
* Advance work on ITU-R M.2092;
* Define a strategy for ITU acceptance of VDE-SAT at 2019;

The input documents can be found on the e-navigation.nl website under Filebrowser then select the directory 20160118 Intersessional Dublin/Input, or alternatively can be accessed on the FTP:

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At the beginning of this intersessional we were briefed on the outcome of WRC-15 by all WG3 members who were present at WRC-15. ITU has accepted all of our proposals for VDES with the exception of the VDE satellite aspects. However, ITU did establish an agenda item for WRC-19 allowing for further consideration of the VDE-SAT aspects. The wording of this agenda item is very clear on the work that needs to be performed in order to gain approval however, there was some concern that the matter is political rather than technical. To that end, we have agreed to address both the politics and the technical issues before 2019 and we will need the support of IALA in order to achieve our goal of fully implemented VDES, i.e. VDE-SAT included.

The political side will be addressed as follows:

A report for ITU will be created addressing WRC19 Agenda Item 1.9.2, Resolution 360 requirements for studies and technical clarifications (see output document vdesat\_newreport\_21012016.docx). This report will be a living document and will be presented to ITU WP5B at every meeting between now and WRC-19 such that any objections or additional clarifications requested by ITU member states can be addressed and closed before WRC-19.

Christian Rissone will provide a list of ITU contacts that will need to be approached and educated between now and WRC-19, with particular emphasis on the heads of the regional ITU organisations (APT, ASMG, ATU, CITEL, CEPT and RCC ). WG3 will then ask IALA to distribute a request to its membership to contact their country’s ITU representative requesting support of VDE-SAT by endorsing the Report. We will provide a draft letter that the IALA member can use to request that their ITU representative endorse the Report at the next WP5B meeting. We will provide periodic updates with study results (generated by the report above) for IALA to use to continue the contact with the ITU representative from their country. The goal is to make sure that the ITU representative at the national and regional levels understand the importance and endorse the need for VDE-SAT within the overall VDES.

The technical side will be addressed as follows:

WG3 will generate a detailed Report addressing the requested studies from WRC19 Agenda Item 1.9.2, Resolution 360, (see output document vdesat\_newreport\_21012016.docx), so that there are no technical objections at WRC-19. The aim is that when WRC-19 approves VDE-SAT we will simply take the sections of the report (which are our current Annex 4/5/6) and move them into ITU-R M.2092.

The group agreed to begin progressing the work for VDE-TER defined in ITU-R M.2092-0. The group identified areas (gaps) where further work is required. The group generated a new document, Change Log, outlining the identified gaps that IALA needs to do before the next publication of ITU-R M.2092-1. The group agreed to use the following method to track changes driven by the Change Log or to introduce new changes to the Change Log:

The Output Documents contain a Change Proposal template document. The Change Proposal template should be used to identify which items in the Change Log you are addressing, for clarity the Change Proposal template has an **example** of a submission. If you are proposing a new item to the Change Log, you will also use the Change Proposal template. If you are submitting a change to the Change Log the Change Log column labeled comment item number should be NEW. The naming convention for the Change Proposal documents should be named as follows:

ChangeProposal\_ item(s) \_initials\_yyyymmdd.docx (example in the template as well).

The Change Log and Change Proposal template will remain Working Documents. When you submit a Change Proposal you should put it into the Input folder for the relevant meeting.

We have generated a liaison note to ITU that will request that Rev0 remain through the standard two year period so that IALA has time to properly address the results of WRC-15 (removal of VDE-SAT). However, there is a concern that ITU will insist on publication of Rev1 so that the footnote:

*The use of some frequencies in the band 156-164 MHz, contained in this Recommendation, do not comply with the RR currently in force. This Recommendation therefore should not be seen as prejudging the decisions of WRC-15. ITU-R Study Group 5 is invited to review this Recommendation taking into account the decisions made by WRC-15*

inserted at the Radio Conference can be removed as it is no longer correct. We have prepared two versions of ITU-R M.2092-1 that Christian will have in his “back pocket” at the WP5B meeting in May. These versions are not formal outputs of IALA and will only be used if ITU insists on Rev1 publication. The two versions are:

* Footnote removed and all aspects of VDE-SAT removed.
* VDE-SAT annex’s remain and the footnote edited to state:

*The use of frequencies in the band [156.0125] 156-164 [162.0375] MHz for the satellite component of VDES, contained in this Recommendation, do not comply with the RR currently in force. The references in this Recommendation are included as guidance for Administrations performing studies and testing of the satellite component of the VDES as recognized in Resolution 360 (Rev.WRC-15).*

The working group also harmonized the various inputs to a new revision of Guideline 1082, An Overview of AIS. This document will be an official input to eNAV18, with a goal to publish a new revision. The publication of this document should allow us to withdraw Guideline 1059, as the material is now included in Guideline 1082.

A presentation was given by Mr Teemu Vanninen, CTO at KNL Networks, on the Cognitive Networked HF (CNHF) radio system. KNL Networks demonstrated a turn-key solution that is already being used by vessels at sea. System could be connected to the internet and an example ship tracking application was demonstrated. Although CNHF is based on patented technology, Mr Vanninen indicated that KNL Networks would be prepared to open the system for maritime safety applications, if there was a prospect of international standardisation.

WG3 would like to thank Irish Lights and Steve Burrows in particular for the fantastic facilities and support.

# eNAV committee requirements progress summary

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Task | Start Session | Planned End Session | Revised End Session | Progress Indicator | | | Status Overview |
| Green | Yellow | Red |
| TD#1 – Operations |  |  |  |  |  |  |  |
| 1.4.1 Develop VDES Message Structures | 17 | 21 |  |  |  |  | Commence ENAV20 |
| 1.4.2 Develop e-NAV Message Structure | 17 | 21 |  |  |  |  | Commence ENAV20 |
| 2.1.1 Update the Marine Radio Communication Plan | 20 | 21 |  |  |  |  | Commence ENAV20 |
| 2.1.2 Develop Recommendation on VDES | 15 | 21 |  |  |  |  | On-going |
| 2.2.1 Update Recommendations and Guidelines for AIS | 15 | 21 |  |  |  |  | On-going |
| 2.3.1 Manage Application Specific Message (ASM) catalogue | 16/20 | 17/21 |  |  |  |  | Commence ENAV16 and 20 |
| 2.4.1 Monitor Developments with GMDSS Modernization | 15 | 21 |  |  |  |  | On-going |

\* On target, behind target but under control behind target needs action

# Output Papers

The output papers will be referred to IALA council for approval, then submitted to ITU.

| Number | | Title | Status |
| --- | --- | --- | --- |
| Output 1 |  | 20160121\_ITU-R-REC-M.2092.docx | Working Docs to eNAV18 |
| Output 2 |  | Liaison to ITU from iala about ITU-R M.2092 Final.docx | Input to eNAV18 |
| Output 3 |  | 1082 AIS Overview Ed2 WD10221.docx | Input to eNAV18 |
| Output 4 |  | Vdesat\_newreport\_21012016 | Working Docs to eNAV18 |
| Output 5 |  | 20160122\_ITU-R-REC-M.2092-changelog.xlsx | Working Docs to eNAV18 |
| Output 6 |  | ChangeProposalTemplate.docx | Working Docs to eNAV18 |
| Output 7 |  | 2092 with VDE SAT and annex 7 removed and Figures updated 200116 | Back pocket |
| Output 8 |  | 2092 with new footnote at beginning of Annex 1 4 and 5 and annex 7 deleted | Back pocket |

# Attendees

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