**Input paper: [[1]](#footnote-1)** DTEC5-6.2.3.9

**Input paper for the following Committee(s):** **Purpose of paper:**

(Select as appropriate)

ARM  ENG  PAP  Input

DTEC VTS  Information

**Agenda item** [[2]](#footnote-2) n.n

**Technical domain/ Task number** 2 …………………………………

**Author(s)/Submitter(s)** Stefan Pielmeier, WG3 Chair

Report of Intersessional meeting

# Summary

DTEC4 decided to meet for an intersessional meeting in Quebec August 18-21, hosted by the Canadian Coast Guard.

The meeting was held as planned, A group of 37 experts met physically, and several persons joined virtually, to progress on the topics of a new Guideline on VDES shore-based infrastructure, and on the topic of VDES resource sharing.

Topics that were blocking to continue with the IEC test standard for VDES mobile ship equipment were addressed and the topic of resource coordination on shore deeply discussed.

The group identified tasks to continue writing on the Guidelines, volunteers were identified for core topics to be progressed. It will need much more work on both guidelines before publishing can be considered.

# DETAILED report

All file references are found under IALA DTEC file share: WG3/20250818\_Intersessional\_Quebec/

## Guideline on VDEs resource SHARING

The guideline scope was discussed and it was agreed for now:

* to keep all aspects of VDE-TER resource coordination with the purpose to avoid interference and keep the VDE-TER system performance optimised as a part of the Guideline on VDES shore infrastructure,
* to take on the aspects of VDE-SAT network sharing, and
* to take on the aspects of VDE-SAT/VDE-TER handovers and sharing of resources as part of this guideline.

Due to the fact that Koichi Yoshida was not physically at the meeting and no input was prepared by anyone, the guideline did not progress further.

## Guideline on VDEs shore infrastructure

All4Land prepared many changes up to the meeting, based on inputs from active members, such as Canadian Coast Guard.

With the background of IEC closing their wok on the ship equipment test standard for VDES, som topics were prioritised:

1. Resource coordination, namely TBB service areas and sharing of resources between overlapping VDE-TER, ASM coverage areas
2. Public Key Infrastructure, involving ship and shore, agreement of the concepts that IEC prepared.

The group agreed to propose the working title “Guideline on VDES Shore Infrastructure”.

DTEC5 will take up the task to update the DTEC task register, if agreed by the committee.

The group reviewed the scope and agreed for not to try to keep VDE-SAT outside the scope, until it is maybe necessary to take it into account.

Also, the group works with the assumption to keep higher layer service architecture and routing outside scope for now.

Then the group dived into resource coordination led by Jean Francois Cotu of the Canadian Coast Guard, showing the updated content of the guideline draft.

The group discussed deeply the topic and used mist of the time of the 4 days on it.

The main discussion point was, if the up to now state-of-standards VDES bulletin board and service area concept can be kept or need to be replaced by a more simple mechanism. The group considered the proposal to just use distance to the base station a selection criteria for the mobile station which TBB to apply in the case of multiple overlapping base station areas. Many aspects were discussed and several major issues were addressed with that approach.

The current working conclusion is, that distance alone leads to many issues, and that in case of overlapping TBB service areas, it is better to use signal strength as a criterion for the mobile to perform selection of the TBB. This will be described in more detail by volunteering Saab, for review at DTEC5.

A conclusion presentation can be found on the file share under WORKING/20250821\_TBB\_switching\_conclusions.docx.

Krzysztof Bronk from NIT indicated the plan to run simulations with the new rule set, with the goal to check them for several use cases, also identified during the meeting and drawn in figures of the above referenced presentation.

Furthermore, the group expects to continue review at DTEC5.

The current version of the Guideline on Shore Infrastructure can be found here:

* 1. **Other Topics**

The Chair also made the group aware of a new change request on the draft updates for ITU-R M.2092 to be found in INPUTS/VDES-updates, found in the folder INPUT/VDES\_updates.

The group is asked to provide input before DTEC5, as the ITU deadlines are close after DTEC.

The chair confirmed to have mandate from Danmark to input these changes to ITU WP5B in autumn.

Additionally the chair of WG3 made the group aware of a list of VDES relevant references found on the home page of the VDES Alliance: <https://www.vdes-alliance.org/index.php/vdes-ressources/>, including all relevant IALA Guidelines, but also guidelines/recommendations from ITU, RTCM, VDES-Alliance, and the MCP.

1. Input document number, to be assigned by the Committee Secretary [↑](#footnote-ref-1)
2. Leave open if uncertain [↑](#footnote-ref-2)