

TRAFICOM

Finnish Transport and Communications Agency



VILKKU – a new System for Navigational Warnings Data Management in Finland

Report

30th Baltic Sea Hydrographic Conference

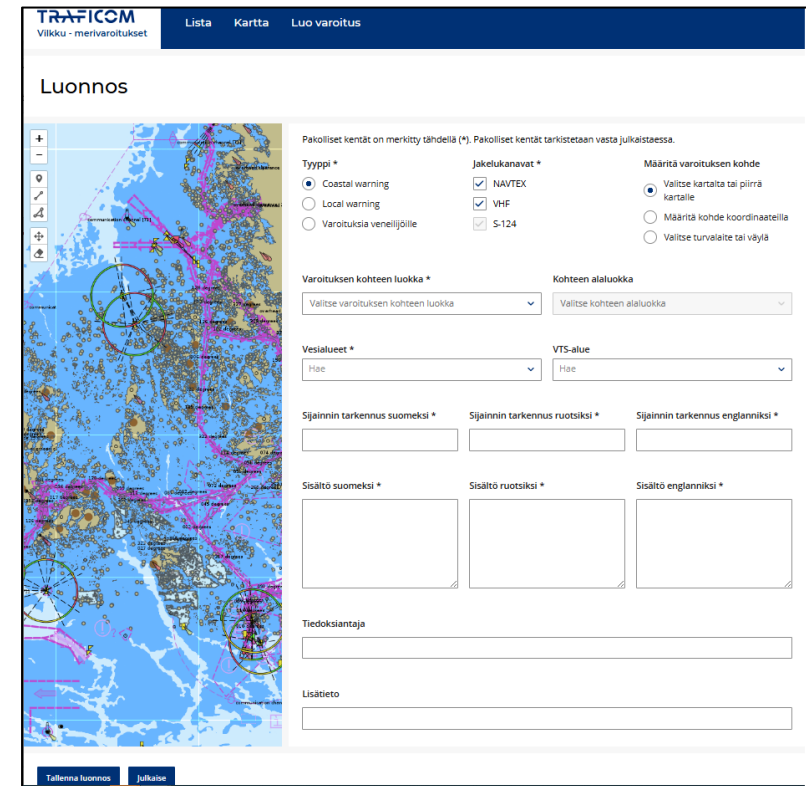
D.3

22 - 24 September 2025



System development project – VILKKU – in progress

- ▶ VILKKU will replace the old navigational warning management system
- ▶ VILKKU is designed based on the S-124 standard
- ▶ Fintraffic VTS is currently developing an S-124 technical service that includes integration with VILKKU
- ▶ Implementation of MVP version (minimum viable product) of VILKKU should be in use at 12/2025

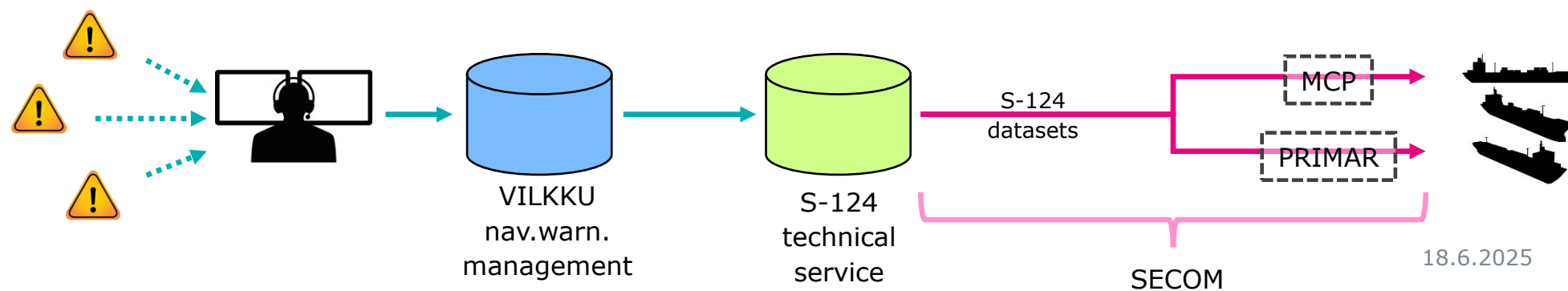


The screenshot displays the VILKKU operator's interface. On the left, a map shows a coastal area with various navigational markers and warning zones. The right side contains a configuration panel with the following sections:

- Luonnos**: A header for the configuration section.
- Pakolliset kentät on merkitty tähdellä (*). Pakolliset kentät tarkistetaan vasta julkaisiessa.**: A note about mandatory fields.
- Tyyppi ***: Radio buttons for ☒ Coastal warning, ☐ Local warning, and ☐ Varoituksia veneilijöille.
- Jakelukanavat ***: Checkboxes for ☒ NAVTEX, ☒ VHF, and ☒ S-124.
- Määritä varoituksen kohde**: Radio buttons for ☒ Valitse kartalta tai piirrä kartalle, ☐ Määritä kohde koordinaateilla, and ☐ Valitse turvalaite tai väylä.
- Varoituksen kohteen luokka ***: A dropdown menu with the option "Valitse varoituksen kohteen luokka".
- Kohteen alaluokka**: A dropdown menu with the option "Valitse kohteen alaluokka".
- Vesialueet ***: A dropdown menu with the option "Hae".
- VTS-alue**: A dropdown menu with the option "Hae".
- Sijainnin tarkennus suomeksi ***, **Sijainnin tarkennus ruotsiksi ***, and **Sijainnin tarkennus englanniksi ***: Text input fields for location details in different languages.
- Sisältö suomeksi ***, **Sisältö ruotsiksi ***, and **Sisältö englanniksi ***: Text input fields for the warning content in different languages.
- Tiedoksiantaja**: A text input field for the contact person.
- Lisätieto**: A text input field for additional information.
- Tallenna luonnos** and **Julkaise**: Buttons at the bottom for saving and publishing the draft.

VILKKU operator's interface

S-124 production and delivery process



Other S-124 related

- ▶ The implementation of S-124 may raise various issues that would be beneficial to discuss and harmonize within the Baltic Sea region.
 - ▶ For example, how S-124 data will be distributed to ships, a harmonized timeline for S-124 in-force bulletins, how to define NavwarnAreaAffected, etc. ...
 - ▶ It would be also useful to share best practices how to create S-124 warnings in some special cases
- ▶ These topics are discussed in BSMSIWG meetings.

Thank you

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