

# MASTER'S GUIDE

## Vessel Traffic Services

The provisions on vessel traffic services are laid down in the Vessel Traffic Service Act 623/2005 and in the Government Decrees on Vessel Traffic Service 763/2005, 1798/2009, 1304/2011 and 1216/2018.

### PARTICIPATION IN VESSEL TRAFFIC SERVICES

Vessels of 24 metres in length overall or more are obliged to participate in the vessel traffic services.

When navigating in the VTS area, vessels are required to maintain a continuous listening watch on the working channel used in the area. Furthermore, vessels are obliged to obey the rules relevant to the traffic in the VTS area. More detailed instructions about the required reports and working channels can be found in the regional VTS guide.

Vessels navigating in the VTS area, which are not obliged to participate in the vessel traffic services, are recommended to maintain a listening watch on the working channel in the VTS area or sector in question.

### OPERATIONAL HOURS AND LOCATION OF VTS CENTRES

In Finland the vessel traffic services (VTS services) are operated by Fintraffic Vessel Traffic Services Ltd (Fintraffic VTS). VTS centres are located in Turku and Helsinki.

The sea areas at the Finnish coast are divided into six VTS areas. These are Bothnia VTS, West Coast VTS, Archipelago VTS, Hanko VTS, Helsinki VTS and Kotka VTS. In addition, Saimaa VTS operates in the Saimaa deep water fairway.

Along the coast VTS services are provided 24 h/day throughout the year. There may be operational interruptions due to technical problems or an unexpected shortage of personnel. Information about the interruptions is given as navigational or local warnings. Saimaa VTS only provides services during its period of operations. The period of operations is largely equivalent to the opening hours of the Saimaa Canal, but Fintraffic VTS will provide information about when the operational period begins and ends.

### SERVICES PROVIDED BY THE VTS CENTRES

Vessel traffic services include information, navigational assistance and traffic organization.

VTS Areas along the coast provide all three service levels as described below. Saimaa VTS provides the service Information.

To improve safety and to create a consistent maritime situational awareness, English is used as the primary communication language in the VTS areas along the Finnish coast. As required, vessel traffic services are provided also in Finnish, Swedish and English.

**Information** is given to all vessels whenever necessary, at set intervals, when they report or when a vessel so requests. The information to vessels comprises matters which affect the vessels' safe and smooth navigation. Examples of such information are other vessels in the VTS area, circumstances as well as the condition of the aids to navigation and fairways. The VTS monitors the vessel movements and when necessary informs vessels about any dangers threatening them. The service Information is provided in all fairway sections in VTS Areas.

**Navigational assistance** can be given to identified vessels on request or when deemed necessary by the VTS. Navigational assistance is only advisory and normative; the master of the vessel is still responsible for the manoeuvring of the vessel. Navigational assistance may include information about the vessel's position and bearings/courses over ground to for example the fairway centre line or the pilot boarding place. Bearings or COG's can also be given so that vessels can pass navigational hazards, for example shoals, at a safe distance. The information provided is based on the data received from the radar or the AIS system used in the VTS centre. Navigational assistance is provided in the VTS areas along the coast at open sea, from the open sea to the vicinity of pilot boarding places and outer anchorages.

**Vessel traffic is organized** in order to improve traffic flow and safety. To organize traffic, there are areas within the VTS areas with permanent meeting and overtaking prohibition. In addition, traffic can be separated in the permanent overtaking and meeting prohibition areas as well as near the pilot boarding places, considering the traffic situation and weather conditions. The aim is to prevent dangerous meeting and overtaking situations and congestion.

The services provided in the different VTS areas are described in the regional part of the Master's Guide.

## INCIDENTS

In exceptional situations, such as extraordinary weather conditions, search and rescue situations or any other incidents in which vessel traffic is restricted or put at risk, the VTS can temporarily close a fairway or fairway section, issue speed limits or instruct vessels to anchor.

Vessels must immediately report all incidents relating to maritime safety to the VTS centre. Vessels involved in an accident or in imminent danger at sea should first contact the MRCC (tel. +358 294 1000). In the Lake Saimaa region, vessels should contact the emergency response centre (tel. 112) or the VTS centre.

## THE MASTER OF THE VESSEL – RESPONSIBILITY AND OBLIGATION TO REPORT

The vessel's participation in the vessel traffic services does not affect the master's responsibility for manoeuvring the vessel. If the master of the vessel, for a valid reason relating to the vessel's safety, is unable to participate in the vessel traffic services, or to follow the instructions given by the VTS in exceptional situations, he must immediately inform the VTS about this.

The master must notify the VTS of the following events taking place in the VTS area or its vicinity:

- any incidents or accidents affecting the safety of the vessel, such as collisions, grounding, damage, malfunction or breakdown, flooding or shifting of cargo, any defects in the hull or structural failure
- any incidents or casualties affecting the safety of the vessel, such as failures likely to affect the vessel's manoeuvrability or seaworthiness, or any defects affecting the propulsion system or steering gear, the electrical power generating system, navigation equipment or communications equipment
- any circumstances liable to cause pollution of the waters or shore, such as the discharge or threat of discharge of polluting materials into the sea

- any slick of polluting materials and containers or packages seen drifting at sea

When vessels agree on matters concerning traffic situation, they shall discuss it on the VTS channel.

## **REQUEST FOR ACCESS TO VTS RECORDS**

The traffic image of the VTS area and the related VHF radio communication is saved in the VTS centres. The records are stored for at least 30 days.

Access to records is priced on commercial grounds. Access to records for use by authorities is free of charge. Provisions on the conditions for access have been laid down in the Act on the Openness of Government Activities (621/1999).

## **PILOTAGE**

The vessel shall use a pilot in the Finnish pilotage area, unless otherwise provided by the VTS fairway-specific limitation on the obligation to use a pilot or the vessel's cargo. The Finnish Transport and Communications Agency's regulation TRAFICOM/452299/03.04.01.00/2022 lays down provisions on the obligation to use a pilot and the related procedures in Finnish waters.

The vessel shall give the Pilot Dispatch Centre an advance notification of the need for pilotage at least 24 hours and 12 hours before arriving at the pilot boarding position and at least 12 hours and 6 hours before leaving the port. The advance notification shall include information on, for example, the need for pilotage, the technical characteristics of the vessel, the draught of the vessel at the beginning of pilotage, any technical deficiencies affecting pilotage, and other deficiencies that affect the safety of the pilot or pilotage negatively. The information will be submitted to Finnpilot, which will forward the information to VTS. For more details on the advance notification, please visit Finnpilot at <https://finnpilot.fi/en/for-customers/service-terms-for-pilotage/>.

If a vessel has been granted a Pilot Exemption Certificate or it has been granted exemption from compulsory pilotage, the master of the vessel shall, upon entry into a VTS area, report the number of the exemption to the VTS centre. This report can also be submitted in advance. An advance notice can be made for several voyages at the same time.

### **Pilotage order**

Finnpilot Pilotage Ltd is responsible for the pilotage in Finland. Pilot orders shall be submitted to Finnpilot's Pilot Dispatch Centre.

Archipelago Pilot Dispatch Area (Turku, Naantali, Utö, Isokari and Maarianhamina)

Internet: <https://finnpilot.fi/en/for-customers/pilot-dispatch/>

Email: [pilotdispatch.archipelago@finnpilot.fi](mailto:pilotdispatch.archipelago@finnpilot.fi)

Tel: +358 (0) 29 525 3460

## **ANCHORING**

A vessel must always notify both the VTS and the Finnish Border Guard when anchoring in Finland's territorial waters. The vessel must make the notification either itself or through its agent. In addition, a vessel anchoring in territorial waters is required to make an electronic customs declaration, even if the vessel is not going to call at a Finnish port.

After leaving a port in Finland, the vessel must also check with the Finnish Border Guard whether anchoring in Finnish territorial waters is possible. Also in this case, a vessel remaining at anchor must make an electronic customs declaration.

### **WINTER NAVIGATION 1.11.-31.5.**

The Finnish Transport Infrastructure Agency publishes instruction "Finland's winter navigation" every year on its website <https://vayla.fi/en/transport-network/waterways/winter-navigation>. Information about new instructions will be given in a press release.

All vessels arriving for the first time of the icebreaking season to a Finnish or Swedish assistance area will be asked the following question:

"Will you commit to compliance with the general instructions on icebreaker assistance published by the national maritime authorities?"

The answer to the question is "yes" or "no". The answer "yes" entitles icebreaker assistance and does not incur any expenses for the vessel. The answer "no" will affect the provision of future icebreaker assistance to Finnish ports.

The vessel or the shipping company can send the answer in advance by e-mail to Turku Radio ([turku.radio@fintraffic.fi](mailto:turku.radio@fintraffic.fi)) which forwards the information to authorities. Shipping companies can send a combined answer in advance for all their vessels operating in the area.

Vessels are requested to report observations of ice accretion to the Finnish Meteorological Institute primarily by filling in the form on the website <https://virpo.fmi.fi/reports/> or by email to Turku Radio.

### **BALTIC SEA WASTE FEE**

In the Baltic Sea region, a waste fee is always charged from vessels during port visits. MARPOL I, IV and V waste may be left at ports without an additional fee, as the obligatory waste fee also covers the reception of these types of waste. Delivering this waste at port is highly recommended, as the Baltic Sea is classified as a Particularly Sensitive Sea Area. Vessels should notify the port of their waste at least 24 hours before arriving at the port or, if the journey will take less than 24 hours, no later than when leaving the previous port. More information is in the Baltic Sea Waste Fee brochure, which can be found on Fintraffic VTS's website at <https://www.fintraffic.fi/en/vts/masters-guide>.

### **NEW DEPTH REFERENCE LEVEL N2000 (BSCD2000) FOR CHARTS**

Finnish nautical charts and fairways are currently in the process of switching over to a new harmonized reference level for depth information that is tied to the national N2000 height system. The current reference level for depth information in sea areas is based on mean water level, and it will be replaced with a reference level that is tied to the N2000 vertical coordinate reference system. The migration to the new depth information reference level will affect the depth and fairway information presented on nautical charts.

More information on the website <https://www.traficom.fi/en/services/sailing-directions-finnish-waters>.

## THE NOTICE OF CHANNEL USE

Use of channels that deviates from the channel design refers to a situation where a vessel uses a channel in a manner that deviates from the channel's design and the adequacy of the channel space cannot be ensured based on the design. If the vessel's static draught is greater than the channel's design draught taking into account the current water level, the vessel shall ensure that her net under keel clearance remains adequate and demonstrate it to the VTS Centre that is responsible for monitoring the fairway.

Vessel's operator, agent or master shall give the notice of channel use at least 24 hours before its arrival at the pilot boarding position, or if the vessel is expected to arrive in less than 24 hours, no later than when the vessel has left the port of departure for a Finnish port. A vessel departing a Finnish port shall give the notice of channel use as soon as possible, at latest when the departure report is given.

The notice of channel use shall include the following items:

- A. Vessel's name
- B. Which channel or part of channel the vessel is intending to use in a manner that deviates from the channel design
- C. What is the manner that deviates from the channel design
- D. Length between perpendiculars LBP and Breadth
- E. Static Draught
- F. Centre of Buoyancy, KB
- G. Centre of Gravity, KG
- H. Metacentric Height, GM
- I. Block Coefficient, C<sub>b</sub>

When ensuring the adequate net UKC and giving the notice of channel use, it is recommended to utilize the tools provided by the Finnish Transport and Infrastructure Agency (<https://vayla.fi/en/service-providers/merchant-shipping/navigating>). The notice of channel use can be given in the form of a squat calculation made with the Squat Calculator with regard to items D–I. The calculation can be shared as a link, or as a pdf-printout sent by e-mail to the VTS Centre. When using the Squat Calculator, it is enough to write the information of points A–C in the e-mail.

In Archipelago VTS, Bothnia VTS, Saimaa VTS and West Coast VTS monitoring areas the notice of channel use should be sent to the email address [supervisors.west@fintraffic.fi](mailto:supervisors.west@fintraffic.fi). Title the email "Notice of channel use".

The channel descriptions including depth and design data with general notes on usage of the main approach channels are published in Sailing Directions for Finnish waters published by Finnish Transport and Communications Agency (<https://www.traficom.fi/en/services/sailing-directions-finnish-waters>).

## Archipelago VTS

### VTS AREA

The VTS Area covers the Archipelago Sea, including merchant shipping lanes. The eastern boundary is Fläckgrund light, the northern boundary Hylkkari light and at sea the boundary line follows the outer limits of the VTS Area. The VTS Area also covers the areas administered by the Port of Turku and the Port of Naantali. The VTS Area does not cover the areas administered by other ports.

The boundary line of the Archipelago VTS Area runs between the following corner points:

- 1) From Hylkkari light on Isokari in position 60°57.2'N, 021°09.5'E westward to position 60°57.2'N, 020°46.5'E, and further to Rannö lighthouse 60°31.7'N, 020°11.9'E
- 2) 6 nautical miles from Marhällan light (60°01.9'N, 019°52.3'E)
- 3) 6 nautical miles from Nyhamn lighthouse (59°57.6'N, 019°57.3'E)
- 4) 12 nautical miles from Utö lighthouse (59°46.9'N, 021°22.1'E)
- 5) In the east, from Fläckgrund light 59°52.4'N, 022°50.2'E to position 59°55.0'N 022°53.0'E, and further to Förby harbour 60°06.5'N 022°53.0'E

The services provided by the VTS centres are described in more detail in the general description of the Vessel Traffic Services.

### REPORTING PROCEDURES

The working channel of Archipelago VTS is VHF 71.

Reports should include the following information:

- Name of the vessel
- Name of reporting point
- Destination
- Intended route. If an alternative route is selected, this must be reported.

Required reports

- upon entry into the VTS Area
- before anchoring
- before leaving an anchorage
- after berthing
- departure report before leaving port; for Port of Turku and Port of Naantali, see chapter "Permission to depart from the ports of Turku and Naantali"
- at the reporting points in the area:
  - 20 minutes before passing the following reporting points:
    1. Fagerholm
    2. Lövskär
    3. Smörgrund
    4. Hylkkari\*
    5. Ljungö, westbound vessels report their selected route
    6. Ledsund or S of Ledskär, eastbound vessels report their selected route
    7. Fläckgrund\*\*
    8. Askgrund

9. Marhällan or Korsö\*\*\*

\* Southbound vessels shall report 20 minutes before passing Hylkkari light to Archipelago VTS on VHF channel 71.

\* Northbound vessels shall report 20 minutes before passing Hylkkari light to West Coast VTS on VHF channel 9.

\*\* Westbound vessels shall report 20 minutes before passing Fläckgrund light to Archipelago VTS on VHF channel 71.

\*\* Eastbound vessels shall report 20 minutes before passing Fläckgrund light to Hanko VTS on VHF channel 67.

\*\*\* Vessels bound for Mariehamn shall report 20 minutes before passing either Marhällan or Korsö depending on which fairway they are going to use. Vessels leaving from Mariehamn shall report which fairway they are going to use when giving a departure report.

- when passing the following reporting points:
  - 10. Orhisaari, only westbound vessels report their selected route
- Vessels are required to report 10 minutes before passing Långnäs.
- Vessels are required to report 10 minutes before entering, departing or crossing a merchant shipping lane.

East of Kihti lighthouse (60°04.6'N 021°08.3'E), commuter and archipelago ferries with an operational automatic identification system (AIS) in use are only required to report when the visibility is less than 1 nm.

More detailed information about the services provided in the harbour areas and the information required of vessels can be found in item "Harbour areas".

## **PERMISSION TO DEPART FROM THE PORTS OF TURKU AND NAANTALI**

Before leaving the Port of Turku or Port of Naantali, the vessel must request permission to depart. The permission to depart issued by the VTS is valid for 20 minutes, during which time the vessel must get underway. The vessel is required to give a report when underway. If the vessel's departure is delayed, it will have to request a new permission to depart. This does not apply to departures from the Aura River; see item "Harbour areas, Turku".

## **AREAS WHERE MEETING AND OVERTAKING IS PROHIBITED**

Meeting and overtaking is permanently prohibited in the following areas covered by Archipelago VTS:

1. At Lövsjär between the longitudes 021°43.3'E and 021°45.2'E, in the 15.3 m fairway.
2. At Ledsund between the longitudes 020°09.7'E and 020°10.6'E, in the 7.0 m fairway.
3. At Ljungö between the longitudes 020°40.7'E and 020°42.0'E, in the 8.2 m fairway.
4. At Hjulgrund between the longitudes 020°22.2'E and 020°23.2'E, in the 7.0 m fairway.
5. At Rönnggrund between the latitudes 60°17.3'N and 60°16.3'N, in the 10 m fairway.
6. In the fairway section Porokari–Saaronniemi between latitudes 60°24.4'N and 60°25.3'N in the 15.3 m fairway.

Prohibitions 1-6 are not applied to meeting and overtaking situations in which at least one of the parties is a tug or a vessel whose size is comparable to a tug.

7. Kuuva light (60°24.4'N 022°07.5'E)–Jänissaari light (60°25.3'N 022°10.9'E)
  - The prohibition is not applied to meetings between small commuter ferries; ferry boats; charter vessels, authorities' boats; buoy tenders; oil-combatting vessels; fishing vessels or harbour tugs. Small craft must however not hamper the passage of larger vessels.
8. Jänissaari light–Port of Turku:
  - The prohibition does not apply to cargo vessels which due to their size are able to meet safely (vessels with LOA under 100 m). In addition, cargo vessels are required to agree between themselves on meeting and both vessels approve the meeting. The meeting requires permission from VTS as well.
  - The prohibition is not applied to meetings between small commuter ferries; ferry boats; charter vessels, authorities' boats; buoy tenders; oil-combatting vessels; fishing vessels or harbour tugs. Agreeing on meeting or permission from VTS are not required for these vessels.
9. Pansio fairway, the fairway section from the western limit of the Turku harbour area to Pansio oil and ferry harbour as well as the fairway to Perno Shipyard
  - Meeting prohibited for large tankers.
  - The prohibition does not apply to tankers with LOA under 50 m.
10. Late fairway in the Port of Turku area
  - Meeting prohibited for all vessels.

When assisting winter navigation, icebreaker or harbour tug may deviate from the prohibitions in the sections 7-10, when the assistance of vessel traffic does not endanger other traffic. However, VTS must be contacted in these cases.

## **SPEED LIMITS**

1. In the Apteekkari fairway between buoy Märskär and buoy Julkläpp 24 km/h
2. Smörgrund–Keitsor 28 km/h
3. Keitsor–Lilla Björnholm 32 km/h
4. In the vicinity of the Korpo ferry (Retais front–Holstasnas) 16 km/h
5. Stormälö–Haverö 28 km/h
6. Rajakari–Ajonpää 22 km/h
7. Rajakari–Kuuva 26 km/h
8. Kuuva–Buoy T18A 16 km/h
9. Buoy T18A–Turku 11 km/h
10. Svartholm–Hallonholm 22 km/h
11. Tallholm–Hallonholm 22 km/h
12. Maanpää–Jänissaari in the Pukinsalmi fairway 46 km/h



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## **OTHER REMARKABLE**

Upon request, VTS can adjust the brightness of aids to navigation in the Långnäs-Färjsundet (Godby) fairway.

## **HARBOUR AREAS**

### **Naantali**

Port surveillance, contact information:

phone +358 44 733 4550  
e-mail satama@portofnaantali.fi  
VHF channel 11

Vessels are required to maintain a listening watch on VHF channel 11 in the harbour area. When passing Neste Ltd.'s oil harbour, vessels must keep a safe distance to the harbour (marked on the map). A temporary crossing of the border is allowed for safety reasons with the approval of Archipelago VTS or by their recommendation. Vessels shall always report the crossing to the VTS.

Vessels operating according to a regular timetable in liner service have the right of way.

Anchoring in the Ajonpää anchorage area:

- Only one vessel at a time is allowed in the anchorage area
- The maximum length over all (LOA) is 120 m
- Permission to anchor is granted by Archipelago VTS
- The anchorage area is intended for short-term anchoring, maximum 12 hours. In order to exceed the 12-hour limit, a new permission to anchor is required.
- Vessels must request permission to leave anchorage area 20 minutes prior to weighing anchor.
- Vessels at anchor must ensure that the vessel under no circumstances starts drifting into the fairway area
- The anchorage area must not be used if the wind speed exceeds 15 m/s

The port regulations of the city of Naantali and the port instructions must be followed in the area.

Ship services are ordered from the Port of Naantali.

### **Turku**

Contact information to the port 24 h:

phone +358 2 2674 122  
e-mail satamavalvonta@portofterku.fi  
VHF channel 12 (not monitored continuously, only during mooring and unmooring)

Vessels are required to report to the Port of Turku two hours prior to arrival at the port. Ship services are ordered from the Port of Turku.

Vessels operating according to a regular timetable in liner service have the right of way.

Vessels with an overall length of 24 metres or more are required to submit a departure report to Archipelago VTS on channel 71. All other radio traffic in the harbour area will primarily be conducted on channel 12.

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In the harbour area permission to change berths or turn at the quay must be requested from the Port of Turku. Permission to use anchor must be requested from the VTS.

The port regulations of the city of Turku and the port instructions must be followed in the area.

## **CONTACT INFORMATION**

### Archipelago VTS

Western Finland Vessel Traffic Centre

Telephone: +358 (0)20 448 6521 (all phone calls will be recorded)  
E-mail: [archipelago.vts@fintraffic.fi](mailto:archipelago.vts@fintraffic.fi)  
VHF: ch. 71

Supervisor  
Telephone: +358 20 448 6522 (all phone calls will be recorded)  
E-mail: [supervisors.west@fintraffic.fi](mailto:supervisors.west@fintraffic.fi)

### Port of Turku

Juhana Herttuan Puistokatu 21  
FIN-20100 Turku

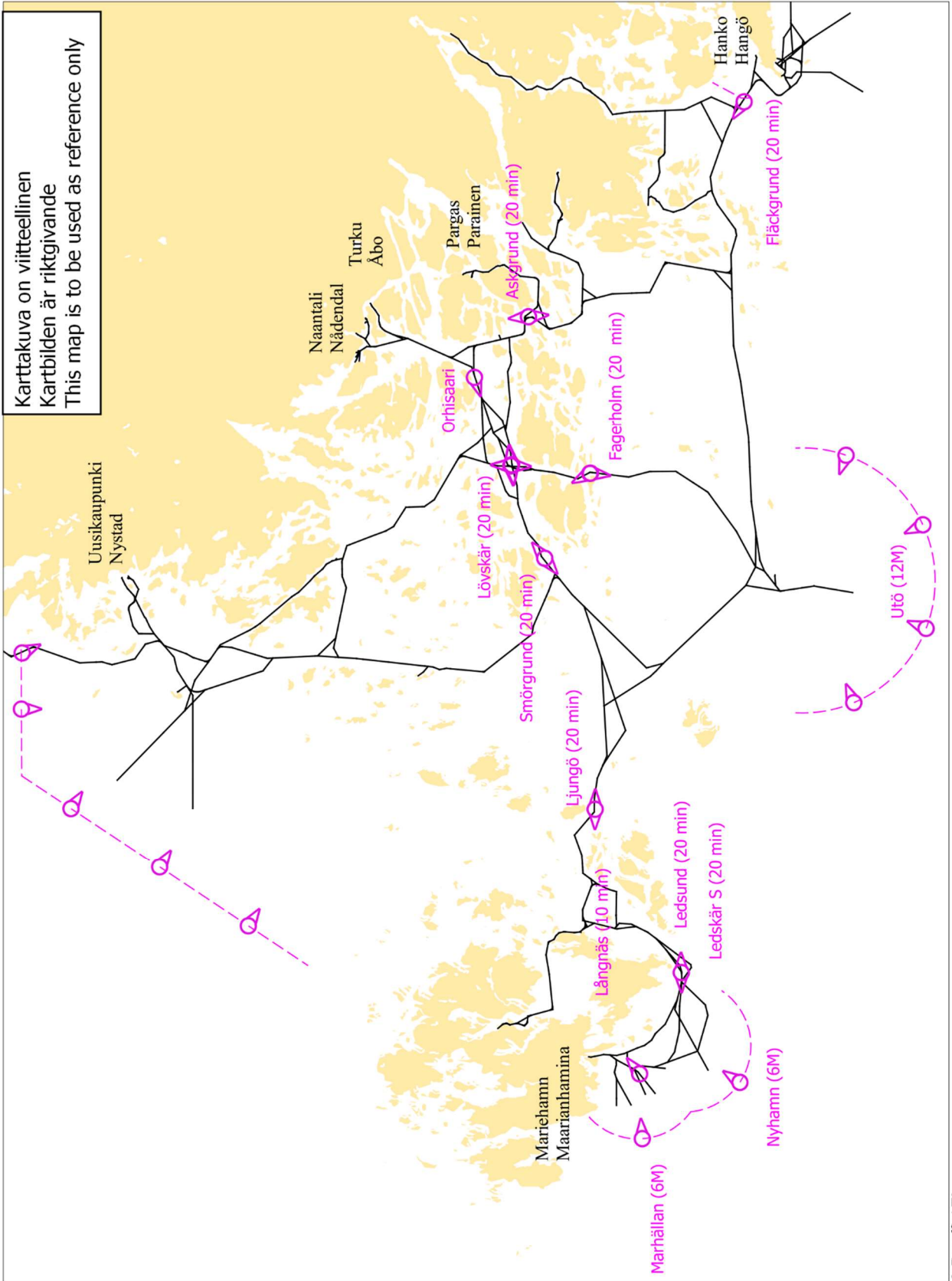
Telephone: +358 (0)2 267 4122  
Fax: +358 (0)2 267 4124  
E-mail: [satamavalvonta@portofturku.fi](mailto:satamavalvonta@portofturku.fi)  
VHF ch. 12

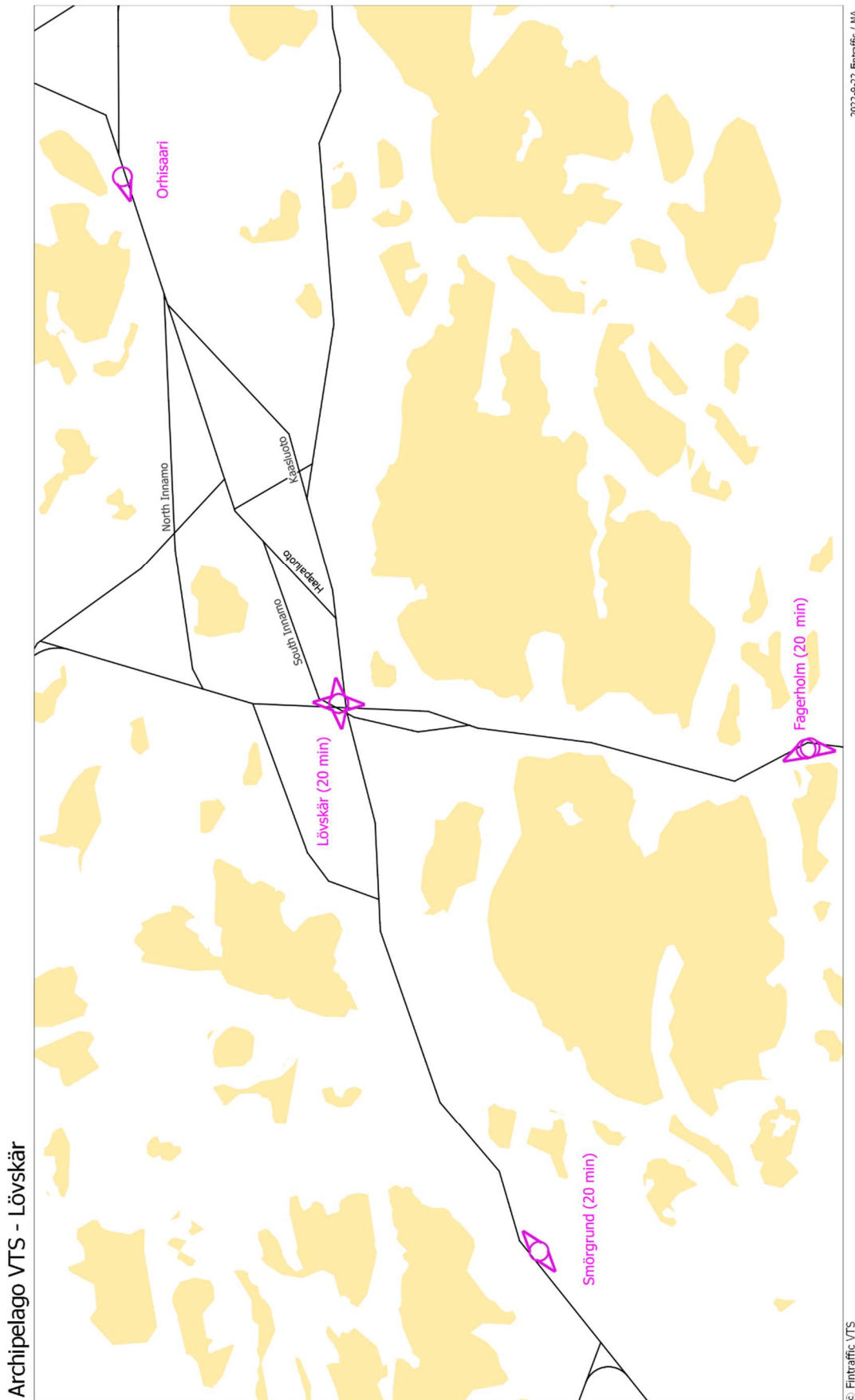
### Port of Naantali

Satamatie 13  
FIN-21100 Naantali

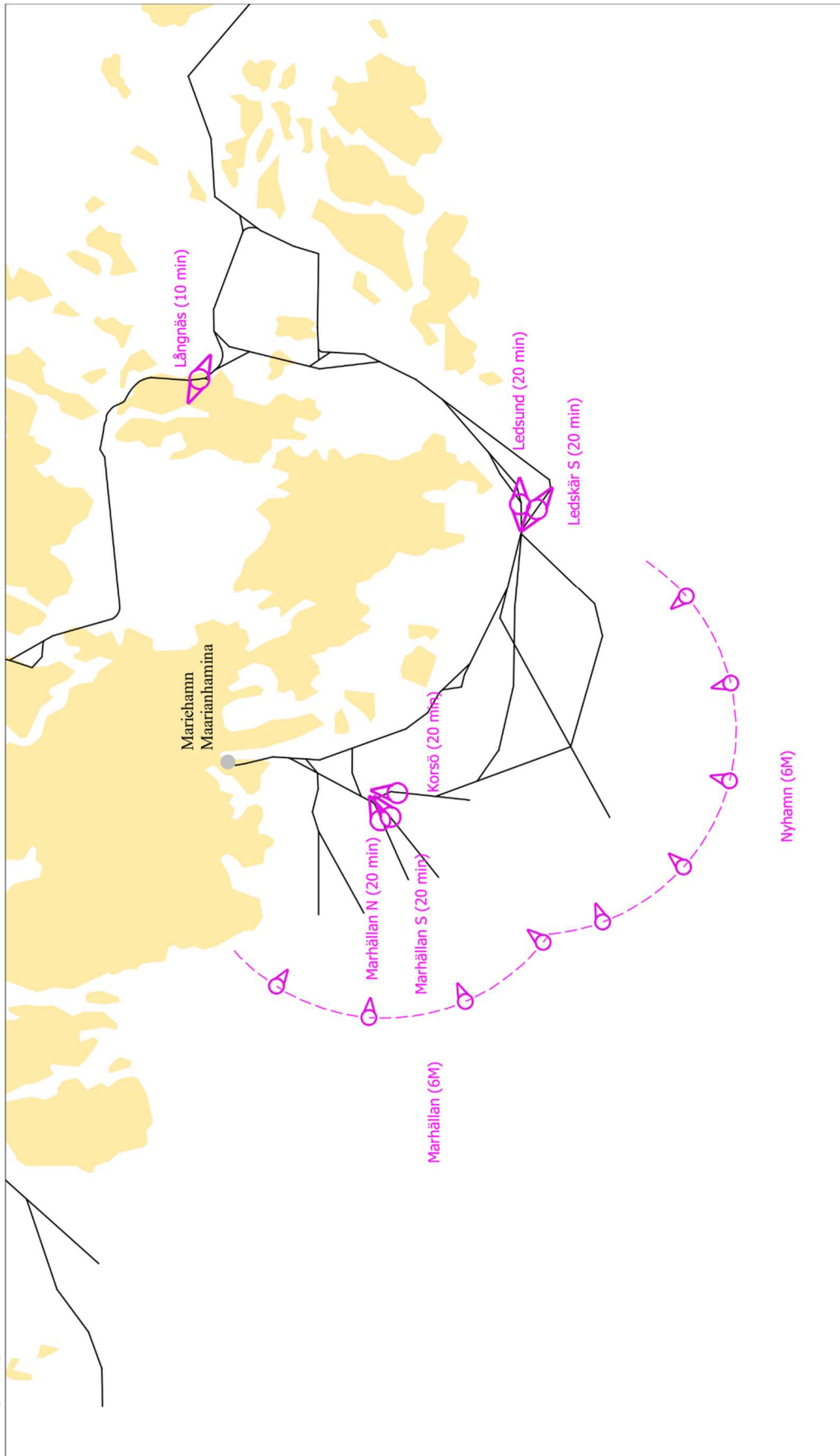
Telephone: +358 (0)44 733 4550  
E-mail: [satama@portofnaantali.fi](mailto:satama@portofnaantali.fi)  
VHF ch. 11

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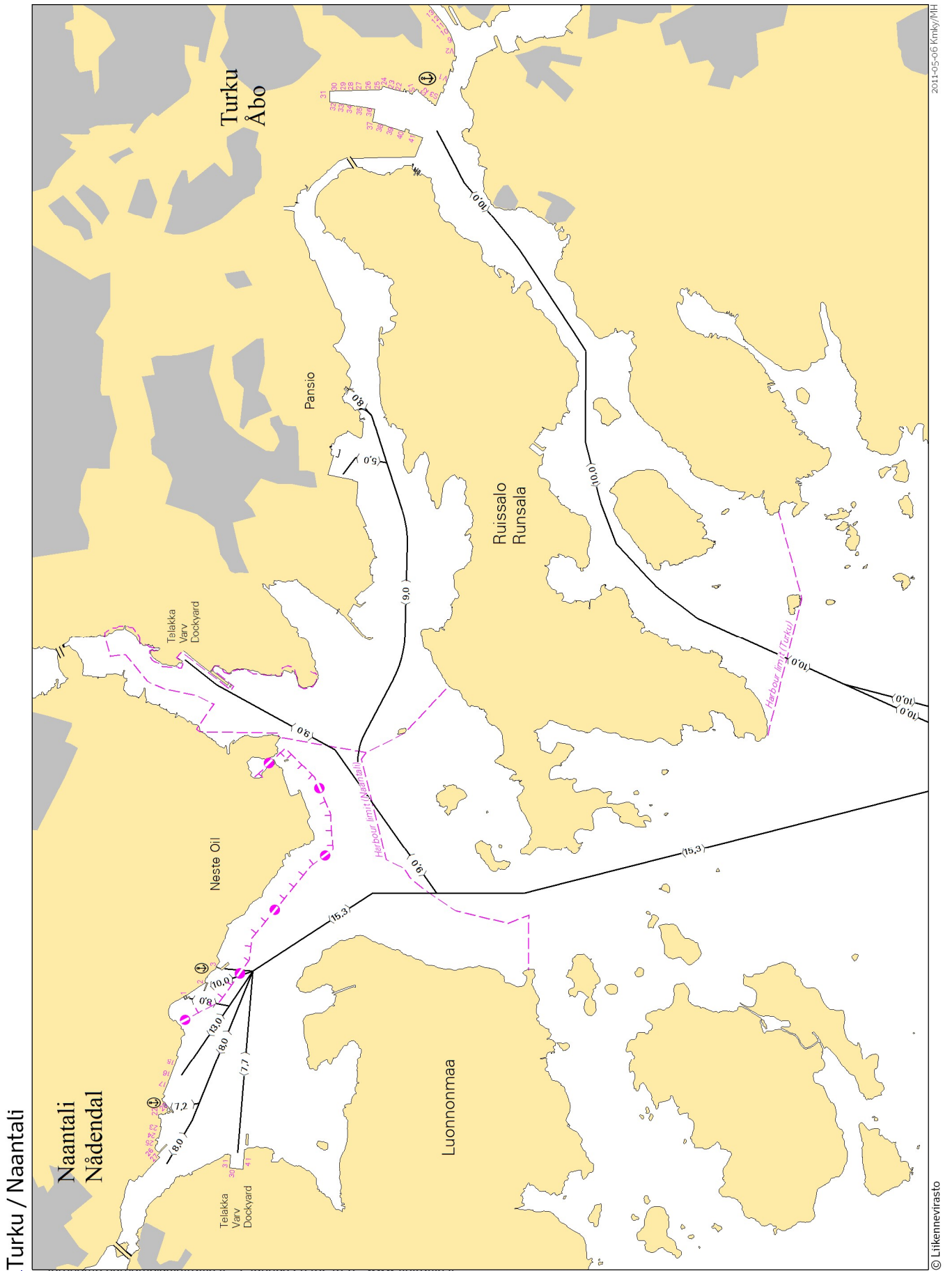


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**UPDATES**

<b>Date</b>	<b>Changes</b>
25.11.2020	Instructions for winter navigation
07.01.2021	Company's logo, name and e-mail addresses changed
17.03.2021	A new text about anchoring. A new link to winter navigation's website.
01.07.2021	A trial period: changes in reporting points. E-mail addresses to ports of Turku and Naantali. Information about Baltic Sea Waste Fee. When vessels agree on matters concerning traffic situation, they shall discuss it on the VTS channel.
12.08.2021	Some clarifications of the VTS Area.
21.10.2021	Upon request, VTS can adjust the brightness of aids to navigation in the Långnäs-Färjsundet (Godby) fairway.
01.01.2022	Vessels are required to report 10 minutes before passing Långnäs.
31.03.2022	Information about new depth reference level N2000 for charts.
19.09.2022	Updated the map of the area of Archipelago VTS; a new map of the area around Lövskär.
22.09.2022	An updated map of the Lövskär area.
01.11.2022	A request to report observations of ice accretion to the Finnish Meteorological Institute.
16.01.2023	Contact information to Pilot Dispatch Centre updated. All phone calls to VTS will be recorded.
05.06.2023	A new instruction: the notice of channel use.

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	Removed mentioning of a VTS centre in Lappeenranta.
01.09.2023	Changes in chapter "Pilotage" according to a new Pilotage Act.