

Nordic Pilot Route Service

- The Nordic Pilot Route Service, NPRS is an onshore service that provides pilot routes to vessels when planning their voyages.
- The vessel can send their voyage plan to NPRS and get back one or several pilot routes in return. When the voyage plan ends near a pilot boarding point, all pilot routes from that boarding point will be returned.
- The service provides pilot routes both in/out to/from port and in open sea.

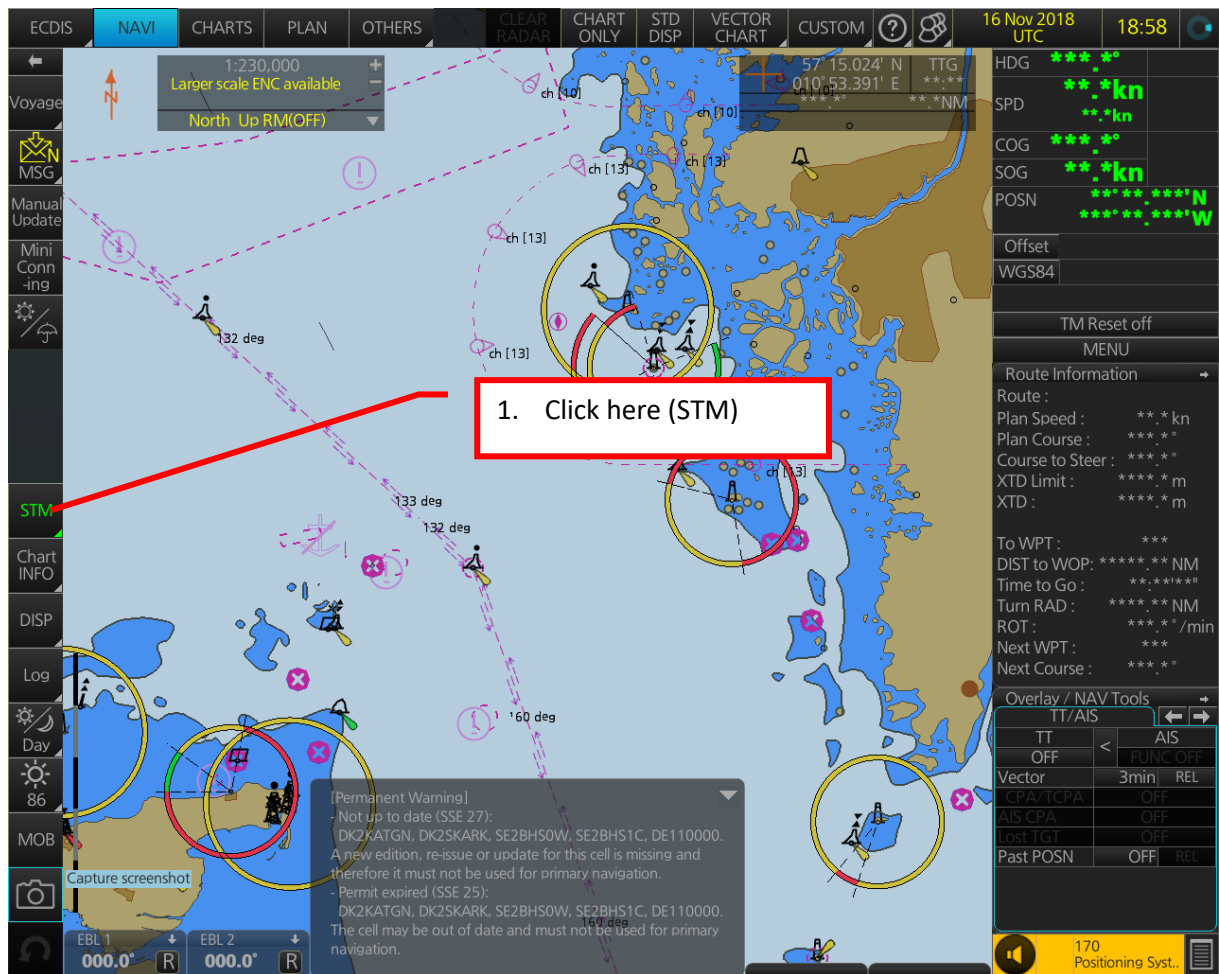
PRS Example

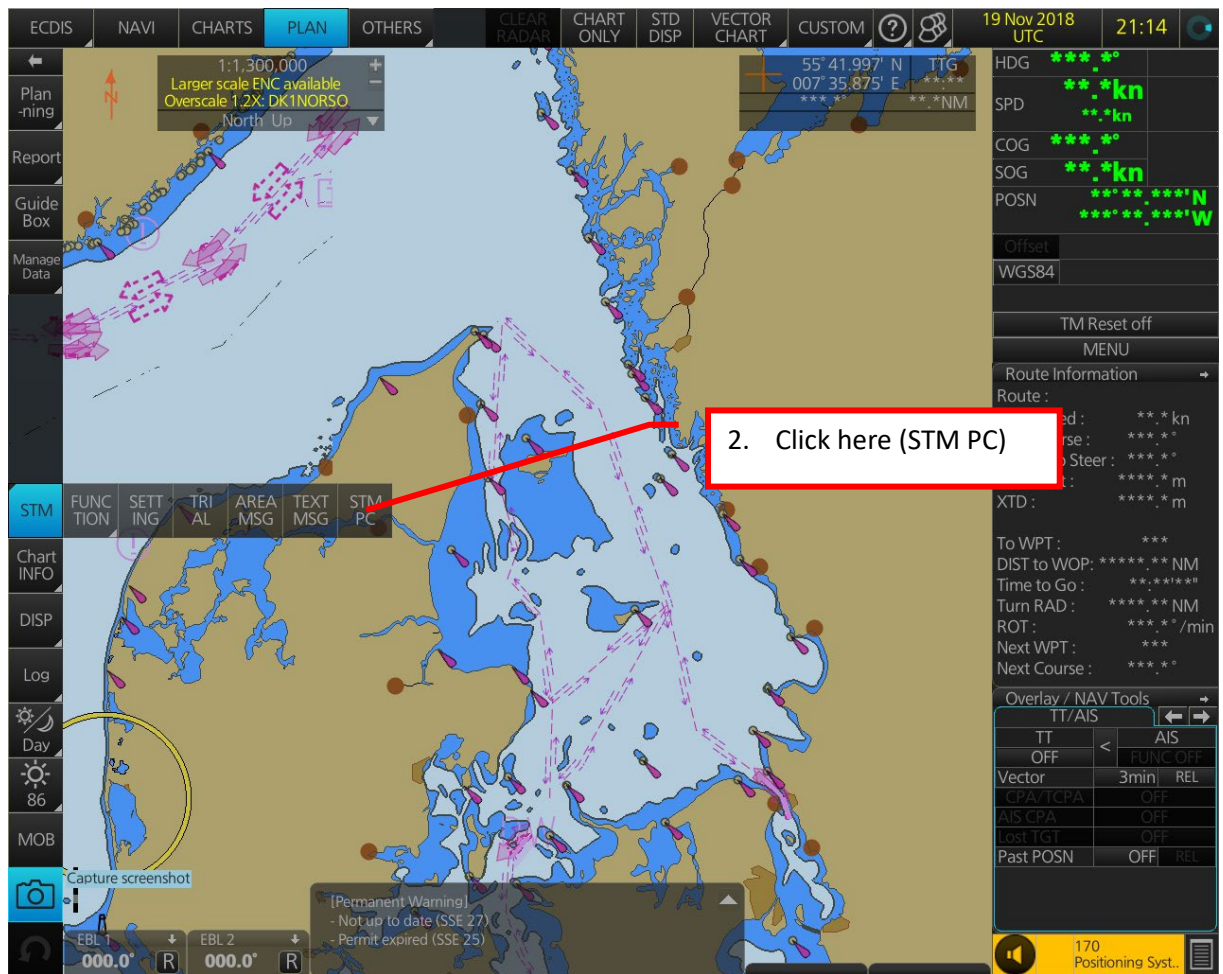
Ship voyage: Hanko-Rostock

1. The ship share the route (it only need to be from pilot station to pilot station (let's call it "Ship route" here) with the Pilot Route Service (Which you can find in your STM ECDIS).
2. The Pilot Route service have an "algorithm" that will look up and return the Pilot routes that "fits" your "Ship-Route" the best.
3. The ship will now receive "Pilot Routes" from the Pilot route service, including a textmessage that states what routes that has been sent to your STM ECDIS
4. The Ship could now amend (copy/paste, link, merge or however it's done in your ECDIS, see further down in this document) the appropriate Pilot Routes to the "ShipRoute", i.e. a Departure Pilot Route (Berth to Pilot Station) and an appropriate arrival Pilot Route (Pilotstation to berth) to the ShipRoute

We understand that you might already have a lot of routes from berth to berth in your ECDIS, but if you are on the way to or from a port in Finland or Sweden where you haven't been before, I guess you would like to use this service. In the future this could mean that the shiproutes only have to be done Pilot station to Pilot station, then you share that route with the Pilot Route Service, and from the received pilot routes you could quite easily make a "berth to berth route", of course you still have to make a route check on that berth to berth route.

Below it is shown in detail how to do it in Furuno STM ECDIS





2. Click here (STM PC)

STM - Iceweasel

STM

192.168.31.254

INBOX Ports VTS **Services** Vessels Log Local Log Statistics

VTS
Gothenburg SC
Horten VTS
Kviteseid VTS
Tallinn SC
Tarifa SC

Monitored Exported

STM
SEA TRAFFIC MANAGEMENT

6 Nov 2018 UTC 21:19

HDG ***°
SPD ***.***kn
COG ***.***°
SOG ***.***kn
POSN ***°***'N
Offset
WGS84

TM Reset off

MENU

Route Information

Route :
Plan Speed : ***.***kn
Plan Course : ***.***°
Course to Steer : ***.***°
XTD Limit : ***.***m
XTD : ***.***m

To WPT : ***
DIST to WOP : ***.***NM
Time to Go : ***.***min
Turn RAD : ***.***NM
ROT : ***.***°/min
Next WPT : ***
Next Course : ***.***°

Overlay / NAV Tools

TT/AIS

| TT | AIS |
|-----------|----------|
| OFF | FUNC OFF |
| Vector | 3min REL |
| CPA/TCPA | OFF |
| AIS CPA | OFF |
| Lost TGT | OFF |
| Past POSN | OFF REL |

Day 86

MOB

Capture screenshot

EBL 1 000.0° R EBL 2 000.0° R

[Permanent Warning]
- Not up to date (SSE 27):
DK2KATGN, DK2SKARK, SE2BHSOW, SE2BHS1C, DE110000.
A new edition, re-issue or update for this cell is missing and therefore it must not be used for primary navigation.
- Permit expired (SSE 25):
DK2KATGN, DK2SKARK, SE2BHSOW, SE2BHS1C, DE110000.
The cell may be out of date and must not be used for primary navigation.

170 Positioning Syst..

3. Click here (Services Tab)

In Furuno's STM-PC The contents in the "VTS"-, "Services"- and "Vessels"-Tab, is automatically updated at 00:00UTC each day, with All available services. It's not possible to do a manual search

STM - Iceweasel

192.168.31.254

Google

INBOX Ports VTS Services Vessels Log Local Log Statistics

| Service | Monitored | Exported |
|-----------------------------|--------------------------|--------------------------|
| Baltic Navigational Warning | <input type="checkbox"/> | <input type="checkbox"/> |
| DMI Route METOC service | <input type="checkbox"/> | <input type="checkbox"/> |
| FOS-Prod | <input type="checkbox"/> | <input type="checkbox"/> |
| Nordic Pilot Route Service | <input type="checkbox"/> | <input type="checkbox"/> |
| Port of Rotterdam Arrival T | <input type="checkbox"/> | <input type="checkbox"/> |
| PortCDM VIS Connector S | <input type="checkbox"/> | <input type="checkbox"/> |
| PortCDM VIS Connector S | <input type="checkbox"/> | <input type="checkbox"/> |
| PortCDM VIS Connector S | <input type="checkbox"/> | <input type="checkbox"/> |
| PortCDM VIS Connector S | <input type="checkbox"/> | <input type="checkbox"/> |
| PortCDM VIS Connector S | <input type="checkbox"/> | <input type="checkbox"/> |

STM
SEA TRAFFIC MANAGEMENT

4. Click here (Nordic Pilot Route, Exported)

WGS84

TM Reset off

MENU

Route Information

Route :

Plan Speed : **.* kn

Plan Course : ***.*

Course to Steer : ***.*

XTD Limit : ****.* m

XTD : ****.* m

To WPT : ***

DIST to WOP: ***** NM

Time to Go : *****

Turn RAD : ***** NM

ROT : ***.*°/min

Next WPT : ***

Next Course : ***.*

Overlay / NAV Tools

| TT/AIS | TT/AIS |
|-----------|----------|
| TT | AIS |
| OFF | FUNC OFF |
| Vector | 3min REL |
| CPA/TCPA | OFF |
| AIS CPA | OFF |
| Lost TGT | OFF |
| Past POSN | OFF REL |

Day 86

MOB

Capture screenshot

EBL 1 000.0° R

EBL 2 000.0° R

[Permanent Warning]
- Not up to date (SSE 27)
- Permit expired (SSE 25)

170 Positioning Syst..

STM - Iceweasel

STM

192.168.31.254

Google

INBOX

Ports

VTS

Services

Vessels

Log

Local Log

Statistics

| Service | Monitored | Exported |
|-----------------------------|--------------------------|-------------------------------------|
| Baltic Navigational Warning | <input type="checkbox"/> | <input type="checkbox"/> |
| DMI Route METOC service | <input type="checkbox"/> | <input type="checkbox"/> |
| FOS-Prod | <input type="checkbox"/> | <input type="checkbox"/> |
| Nordic Pilot Route Service | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Port of Rotterdam Arrival T | <input type="checkbox"/> | <input type="checkbox"/> |
| PortCDM VIS Connector S | <input type="checkbox"/> | <input type="checkbox"/> |
| PortCDM VIS Connector S | <input type="checkbox"/> | <input type="checkbox"/> |
| PortCDM VIS Connector S | <input type="checkbox"/> | <input type="checkbox"/> |
| PortCDM VIS Connector S | <input type="checkbox"/> | <input type="checkbox"/> |
| PortCDM VIS Connector S | <input type="checkbox"/> | <input type="checkbox"/> |

Day

86

MOB

Capture screenshot

EBL 1

000.0°

R

EBL 2

000.0°

R

[Permanent Warning]

- Not up to date (SSE 27)

- Permit expired (SSE 25)

19 Nov 2018 UTC

21:23

TG

HDG

***°

SPD

***kn

COG

***°

TM Reset off

MENU

Route Information

Route :

Plan Speed : **.*kn

Plan Course : ***°

Course to Steer : ***°

XTD Limit : ****.*m

XTD : ****.*m

To WPT : ***

DIST to WOP: *****NM

Time to Go : *****

Turn RAD : *****NM

ROT : ***°/min

Next WPT : ***

Next Course : ***°

Overlay / NAV Tools

TT/AIS

TT

OFF

AIS

FUNC OFF

Vector

3min

REL

CPA/TCPA

OFF

AIS CPA

OFF

Lost TGT

OFF

Past POSN

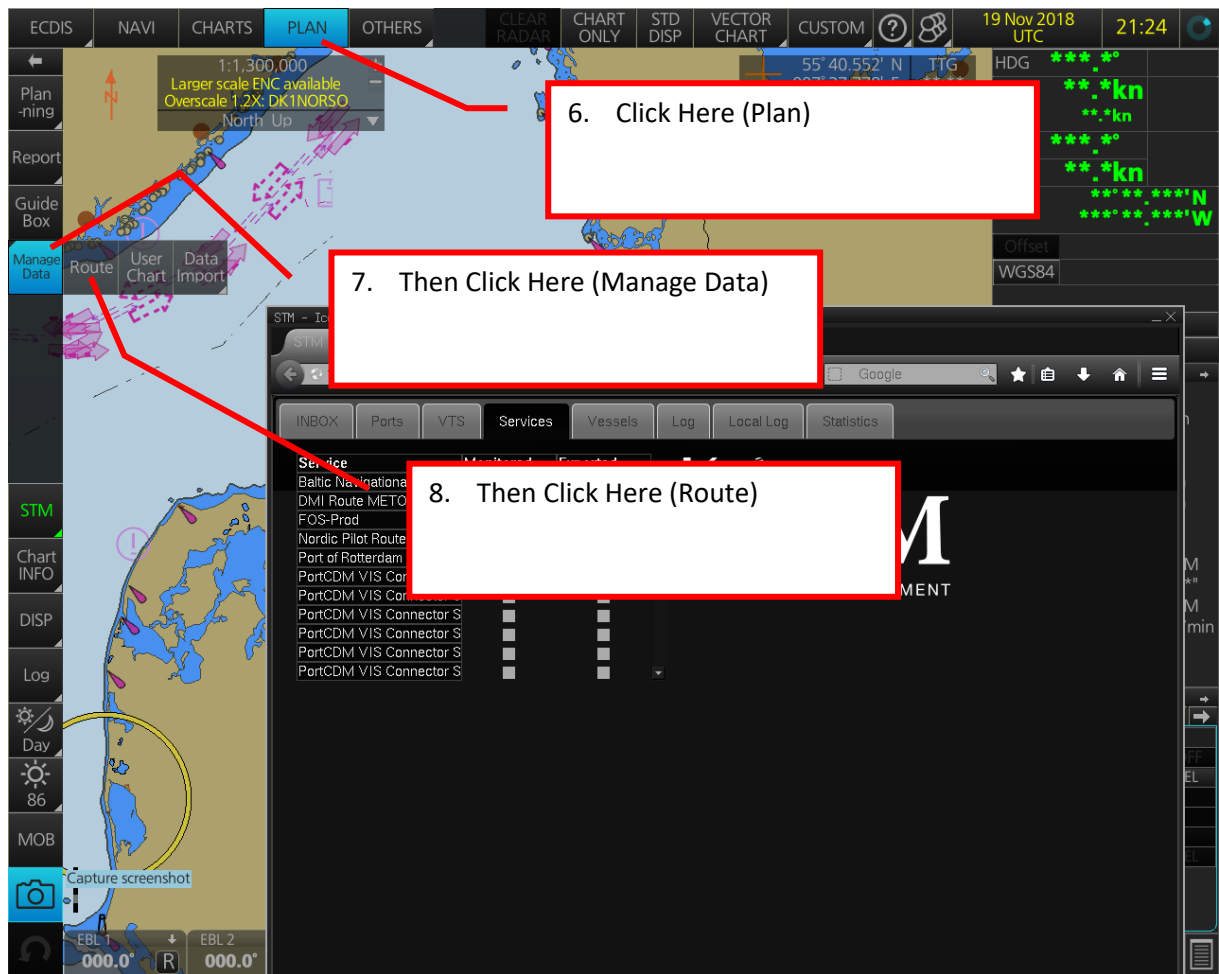
OFF

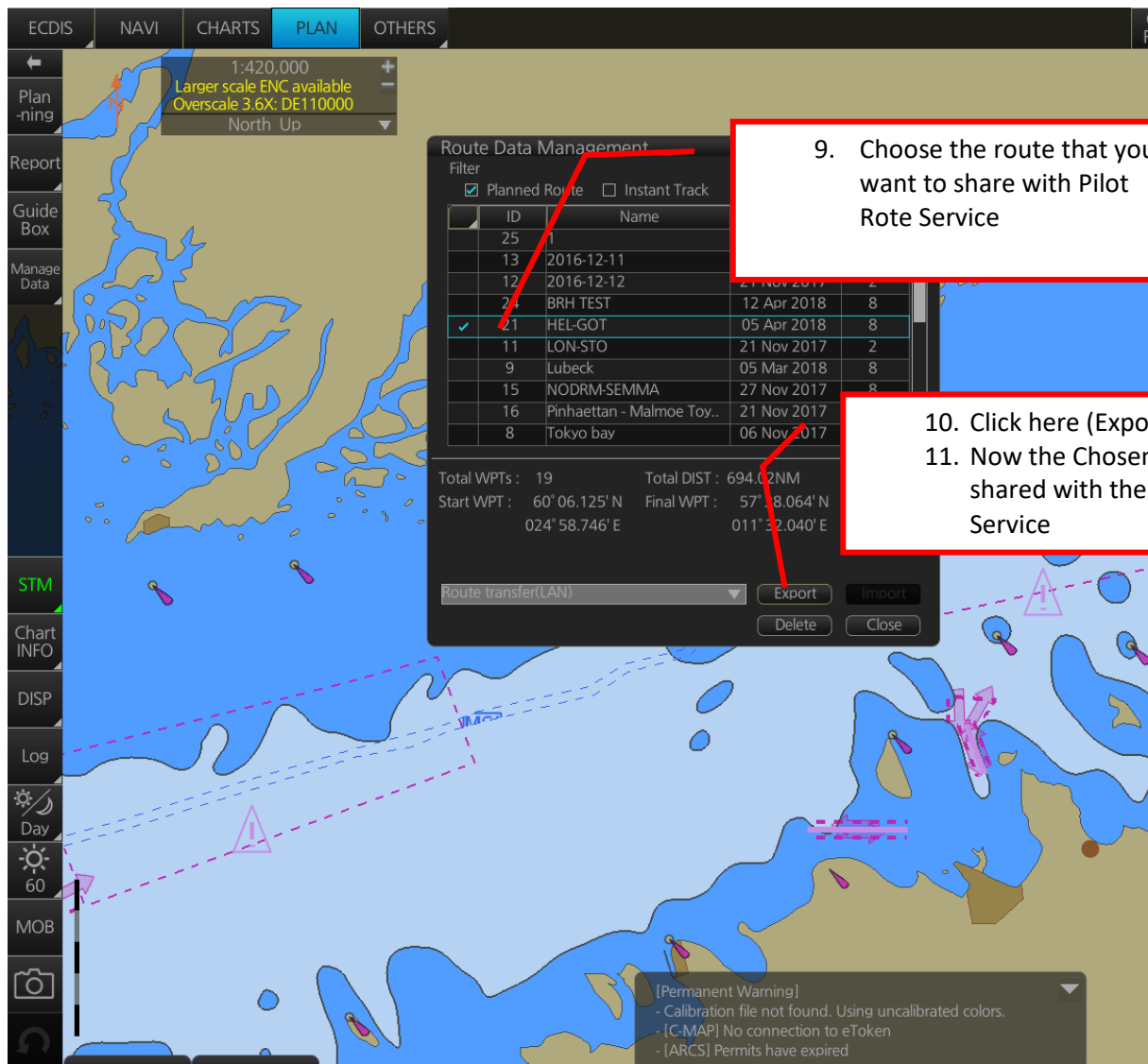
REL

170

Positioning Syst..

5. Here you can see that “Nordic Pilot Route”, “Exported” is chosen)





STM - Iceweasel

19 Nov 2018 21:15 UTC

INBOX Ports VTS Services Vessels Log Local Log Statistics

| Received | Subject | From | Type | |
|----------------------|---------------------|-------------------------|------|---------------|
| 2018-11-19T10:56:37Z | HHRadiustestthreewp | STM Validation Centre | RTZ | Send to ECDIS |
| 2018-11-19T06:46:38Z | ROSTOCK-HANKO(EGOT) | Finnpulp | RTZ | Send to ECDIS |
| 2018-11-18T23:16:27Z | HANKO-ROSTOCK(EGOT) | Finnpulp | RTZ | Send to ECDIS |
| 2018-11-16T13:37:24Z | Anders rutt | Gothenburg SC Support E | RTZ | Send to ECDIS |
| 2018-11-11T21:49:56Z | HANKO-ROSTOCK(WGO) | Finnpulp | RTZ | Send to ECDIS |

CTM

These are not pilot routes, just some other routes, but in your ECDIS you should find routes in the "Inbox" coming from Nordic Pilot Route

12. Go back to the "STM-PC" Then Click Here (Inbox tab) to look for incoming Pilot routes (it might take up to 10 minutes), a TXT message will also be sent to you to inform you what routes that has been sent to you.

13. Then Click Here (Send to ECDIS), to review the Pilot Route in the ECDIS

Day 86 MOB Capture screenshot

EBL 1 000.0° R EBL 2 000.0° R

[Permanent Warning]
- Not up to date (SSE 27)
- Permit expired (SSE 25)

DIST to WOP: ***** NM
Time to Go : *****
Turn RAD : ***** NM
ROT : ***** /min
Next WPT : ***
Next Course : *****

Overlay / NAV Tools

| TT | TT/AIS | AIS |
|-----------|--------|----------|
| OFF | < | FUNC OFF |
| Vector | 3min | REL |
| CPA/TCPA | OFF | |
| AIS CPA | OFF | |
| Lost TGT | OFF | |
| Past POSN | OFF | REL |

170 Positioning Syst..

In ECDIS you can now review and connect the received Pilot Routes to your “ship route”, following normal route editing functionality in your ECDIS

