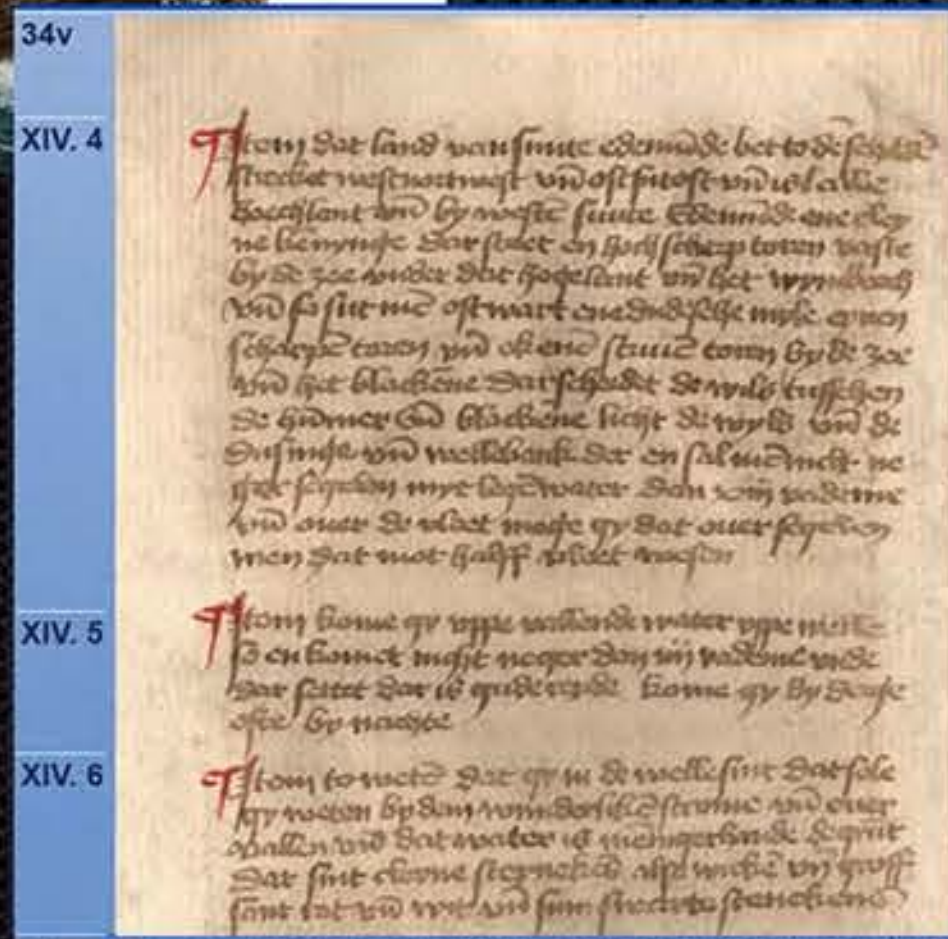


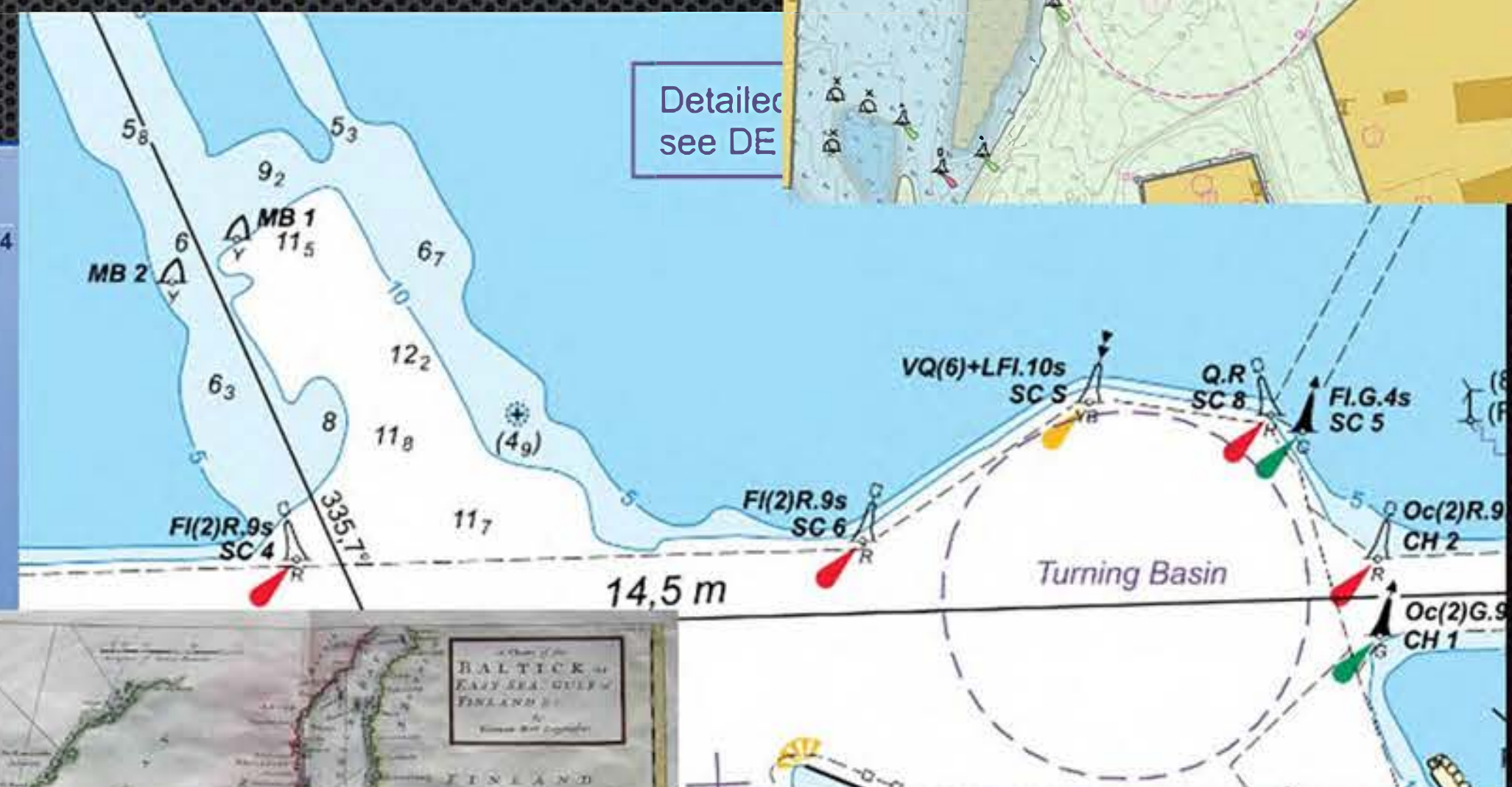
S-100 ECDIS

Elektronische Seekarte im Wandel

Elektronische Seekarte im Wandel



Die Küste von St. Edmund's bis zum Cromer Flach verläuft Westnordwest und Ost Südost und ist überall steil. Und eine kleine Kenning westlich von St. Edmund's steht ein hoher spitzer Turm unter der Steilküste dicht an der See, der heißt Weybourne. Und dann sieht man eine Deutsche Meile ostwärts an der Küste einen spitzen sowie einen stumpfen Turm, der heißt Blakeney. Dort geht es nach Wells ab. Zwischen River Humber und Blakeney liegt dies Wells. Und an The Dowsings und die Well Bank soll man bei Niedrigwasser nicht näher heransiegeln als 13 Faden. Und bei Flut könnt Ihr darüber segeln, aber es muß [mindestens] halbe Flut sein. Kommt Ihr bei ablaufend Wasser an die Well Bank,



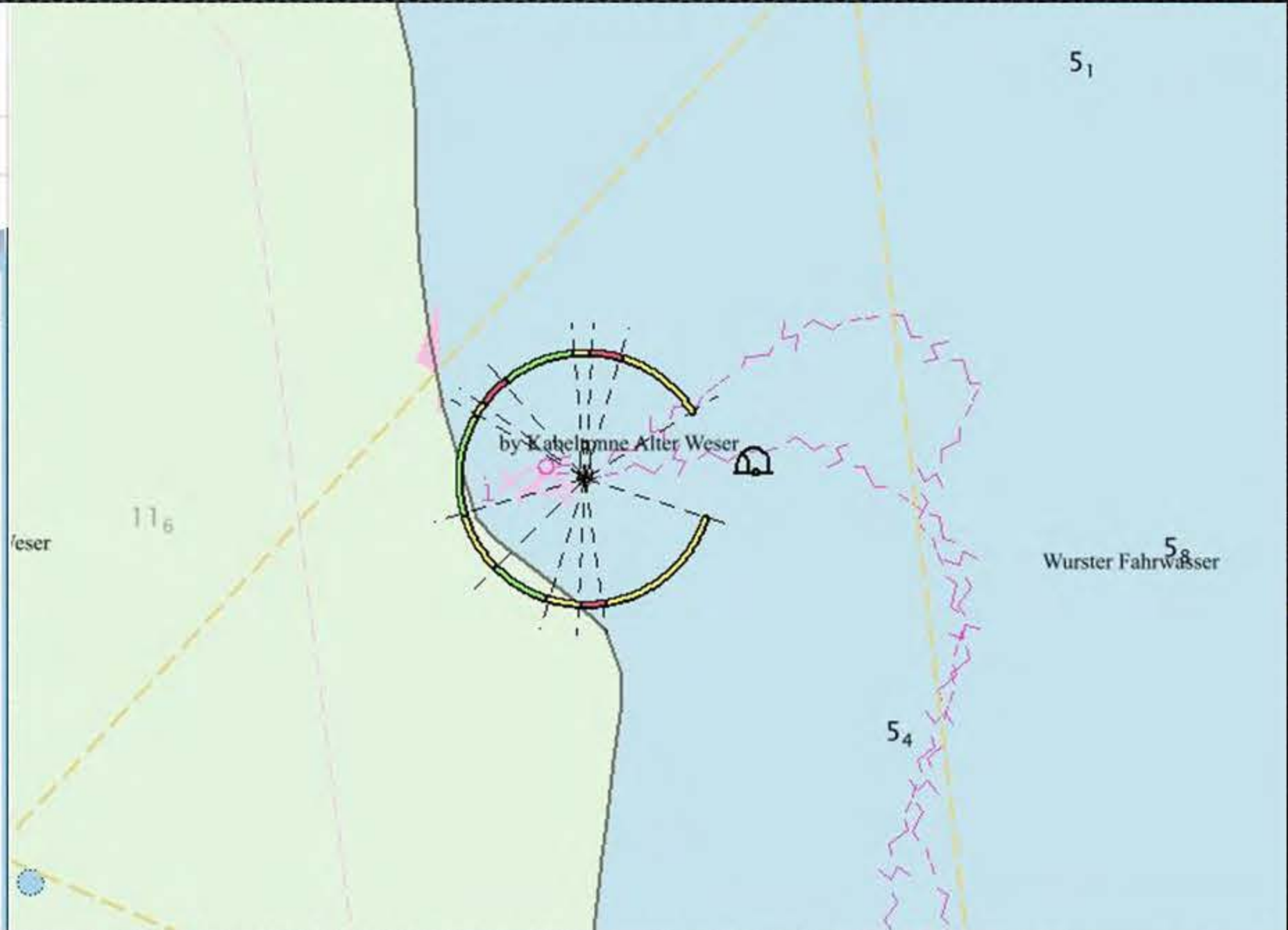
- Credits:
- <https://www.magnific.com>
 - <https://www.dsm.museum/seebuch/>
 - <https://www.maphouse.co.uk/antique-maps/scandinavia/M1479-sea-chart-baltic-a-chart-of-the-baltick>
 - BSH, N2

Elektronische Seekarte im Wandel

Feature ID	Acronym	Name	Geometry	Latitude	Longitude
DE 1121636555 55809	FOGSIG	Fog signal	Point	53-51,796...	008-07,6547...
DE 1121636545 55809	LIGHTS	Light	Point	53-51,796...	008-07,6547...
DE 1121636548 55809	LIGHTS	Light	Point	53-51,796...	008-07,6547...
DE 1121636556 55809	LIGHTS	Light			
DE 1121636543 55809	LIGHTS	Light			
DE 1121636549 55809	LIGHTS	Light			
DE 1121636550 55809	LIGHTS	Light			
DE 1121636544 55809	LIGHTS	Light			
DE 1121636553 55809	LIGHTS	Light			
DE 1121636552 55809	LIGHTS	Light			
DE 1121636546 55809	LIGHTS	Light			
DE 1121636551 55809	LIGHTS	Light			
DE 1121636547 55809	LIGHTS	Light			
DE 1121636554 55809	LIGHTS	Light			
DE 1121636557 55809	LNDMRK	Landmark			

Attributes - LIGHT (filtered)

Attributes	
COLOUR	white
HEIGHT	34,00 m
LITCHR	flashing
SECTR1	62,6
SECTR2	242,6
SIGGRP	(3+1)
SIGPER	24
SIGSEQ	00.30+(02.70)+00.30+(02.70)+00.30
VALNMR	20
nlitnm	212300
SORDAT	20130104
SORIND	DE,DE,reprt,lfrv 4002

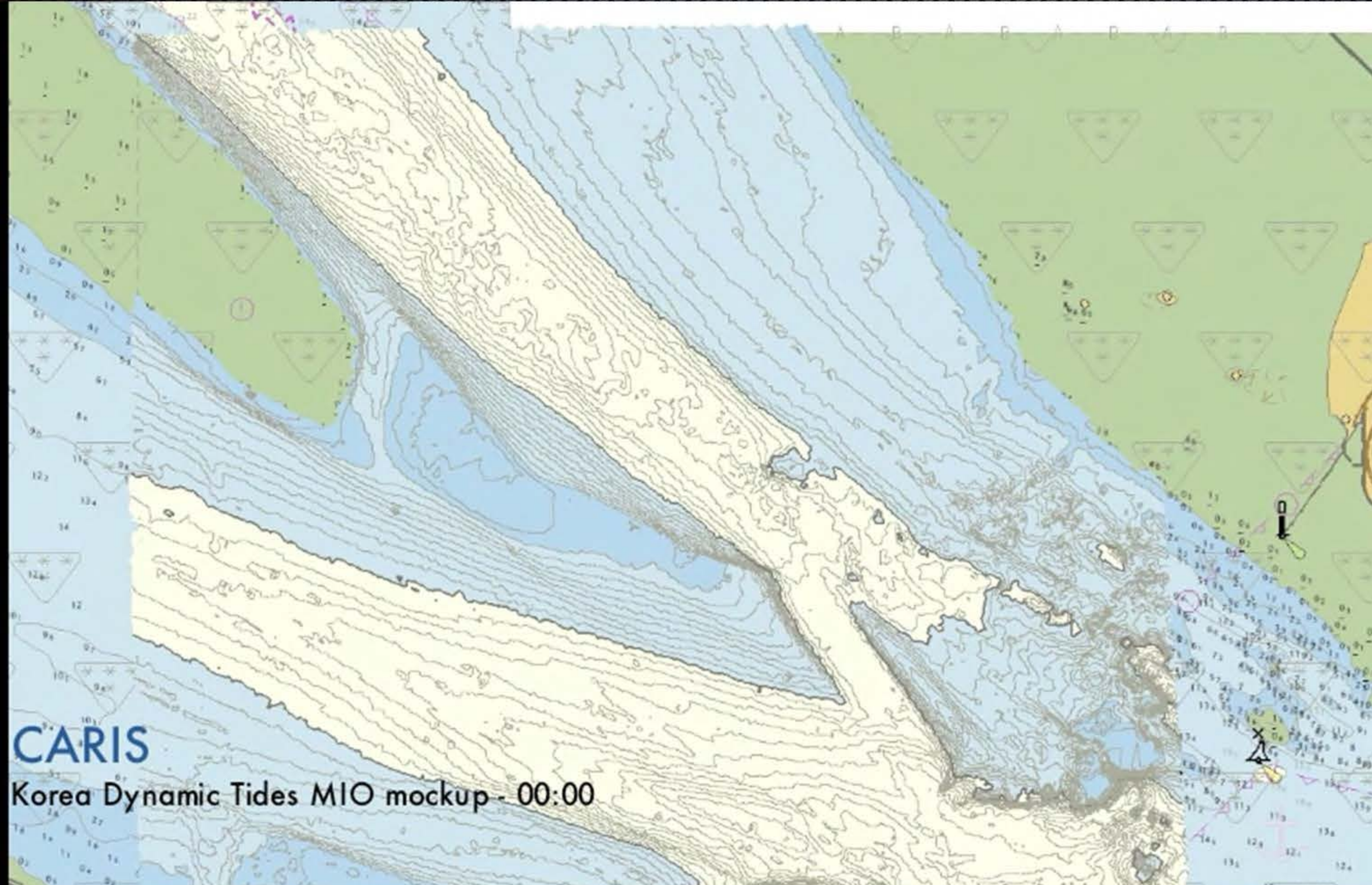


S-57 (Datenmodell)

S-52 (Darstellung)

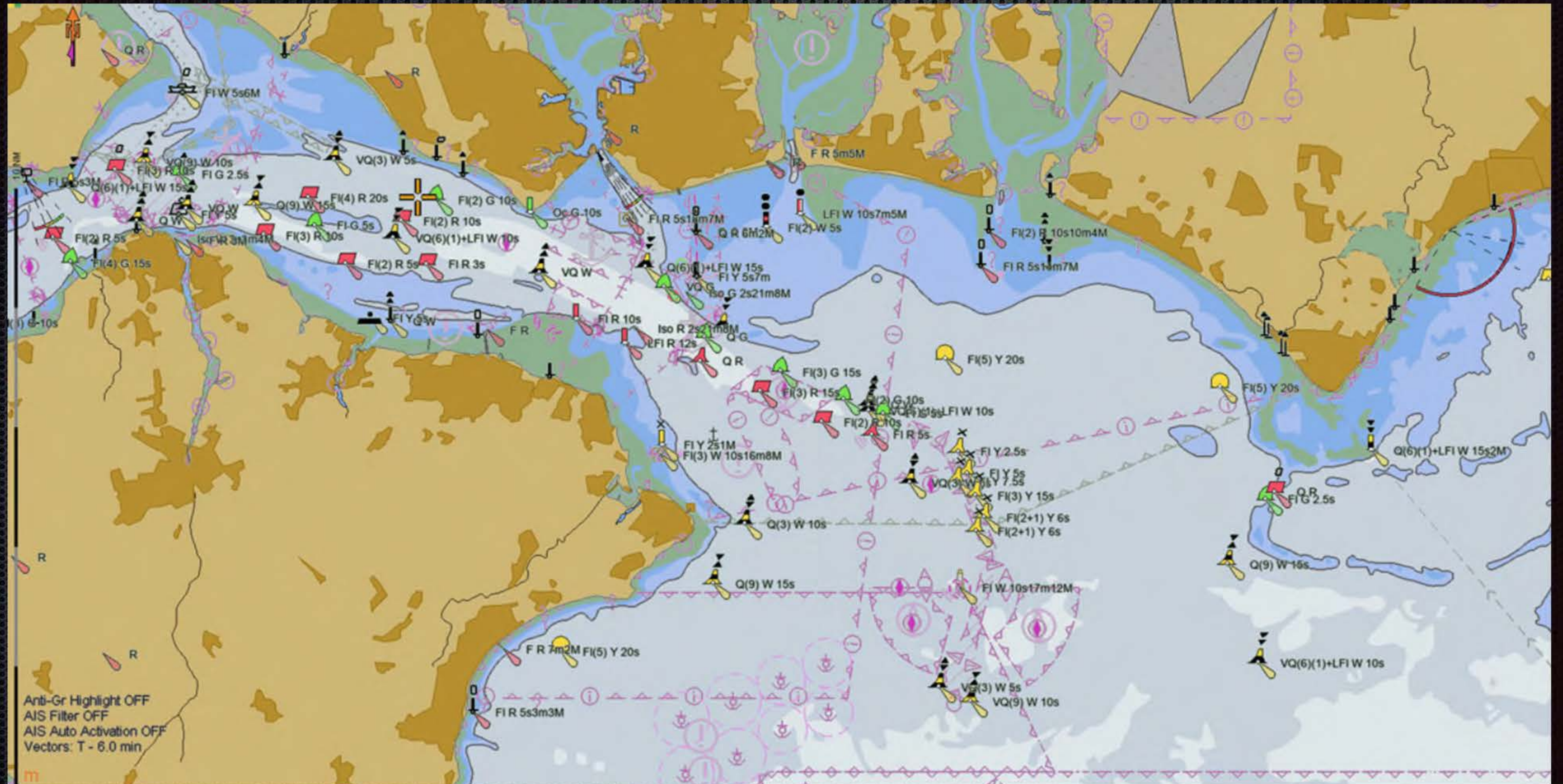
Elektronische Seekarte im Wandel

ECDIS (Additional
functions)



Elektronische Seekarte im Wandel

S-101 Beispiel



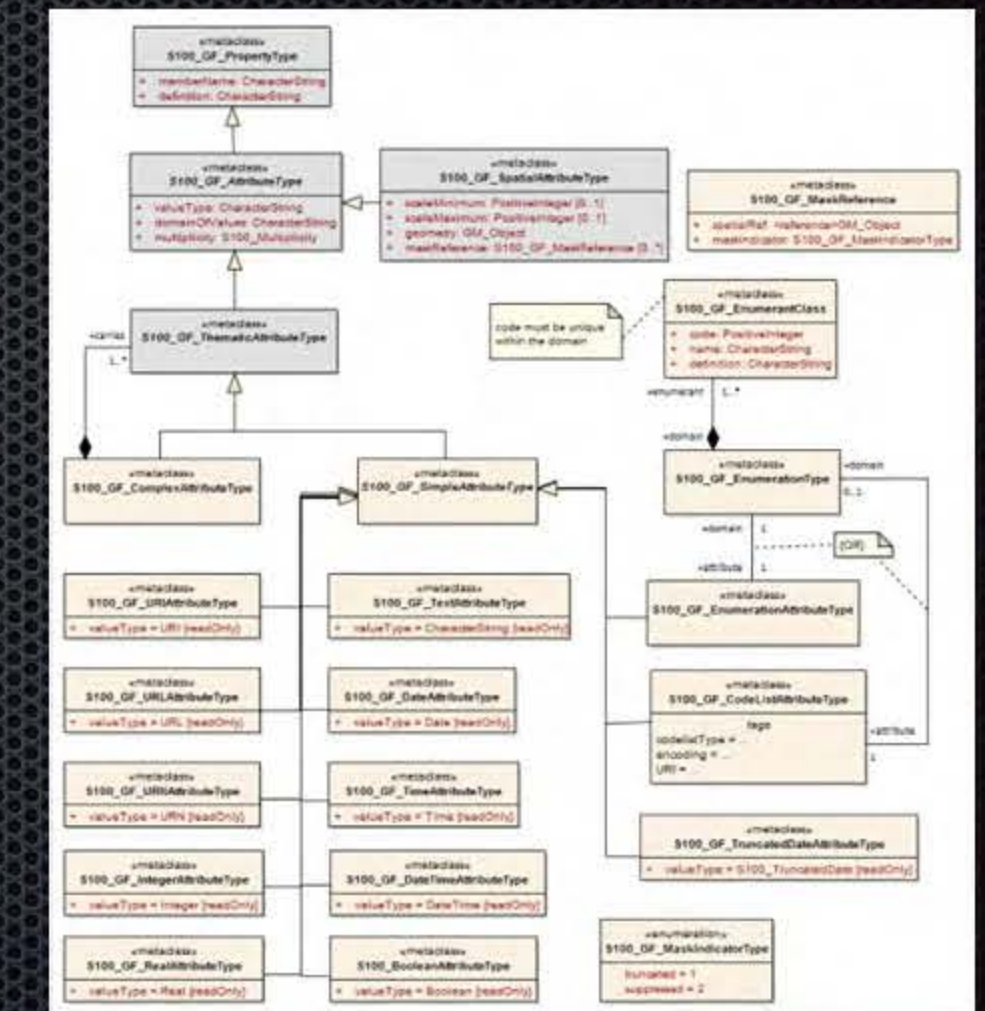
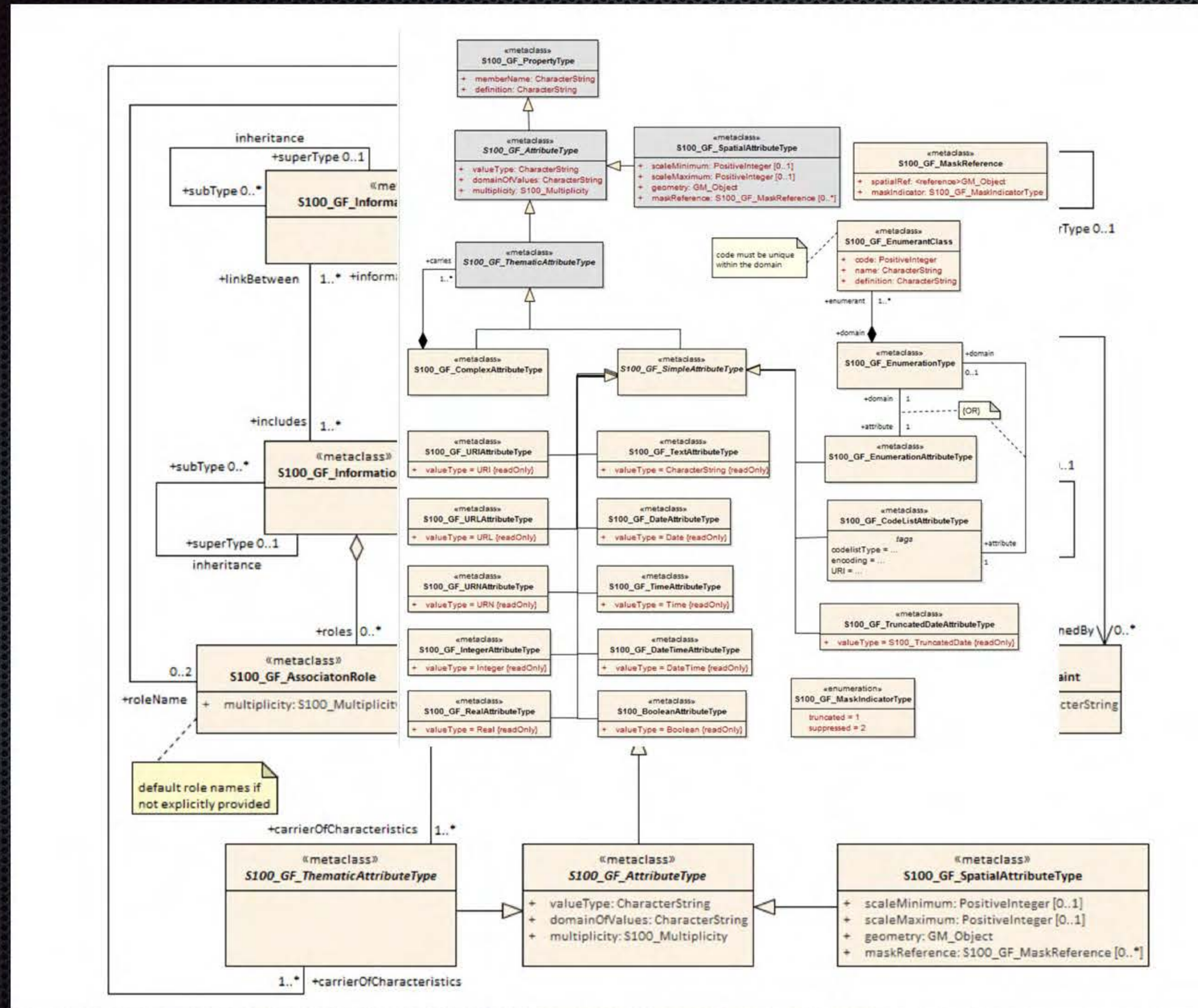
Credits:

- OSI
- Some S-101 UKHO data

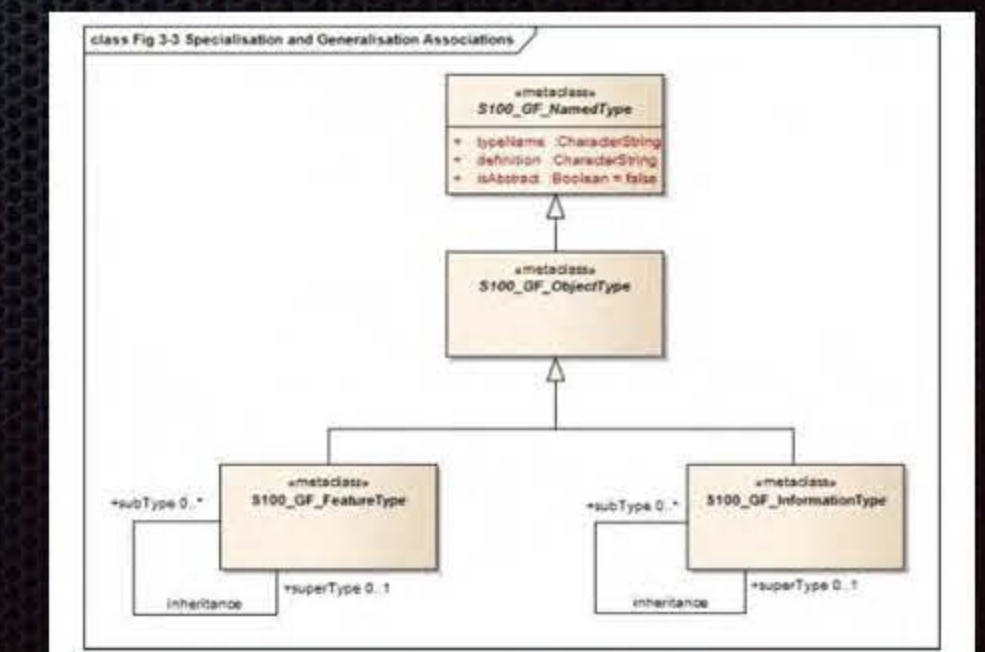
Elektronische Seekarte im Wandel

S-100 General Feature Model

(S-100 Ed 5.2.1)

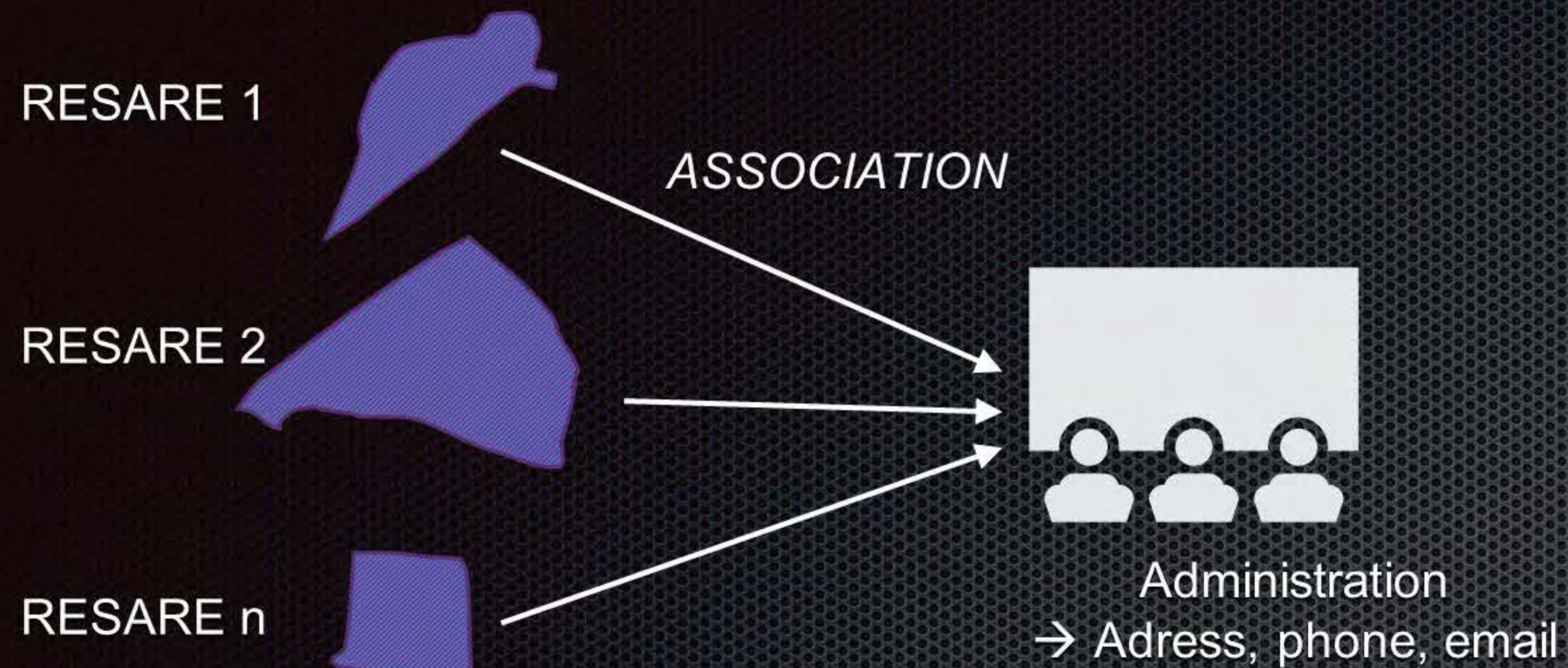


S-100 Attributes Model



S-100 Associations

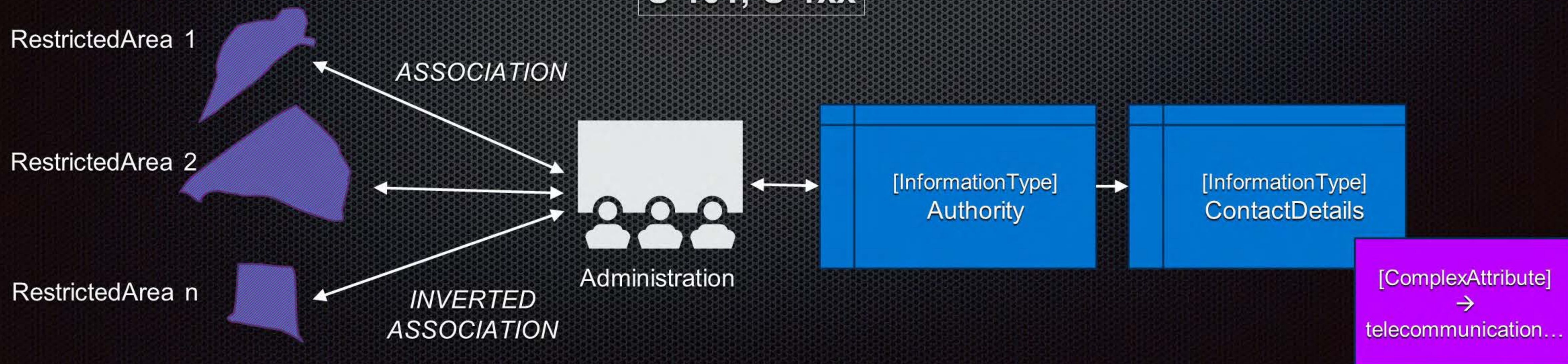
S-57 theory



S-57 reality



S-101, S-1xx



Elektronische Seekarte im Wandel



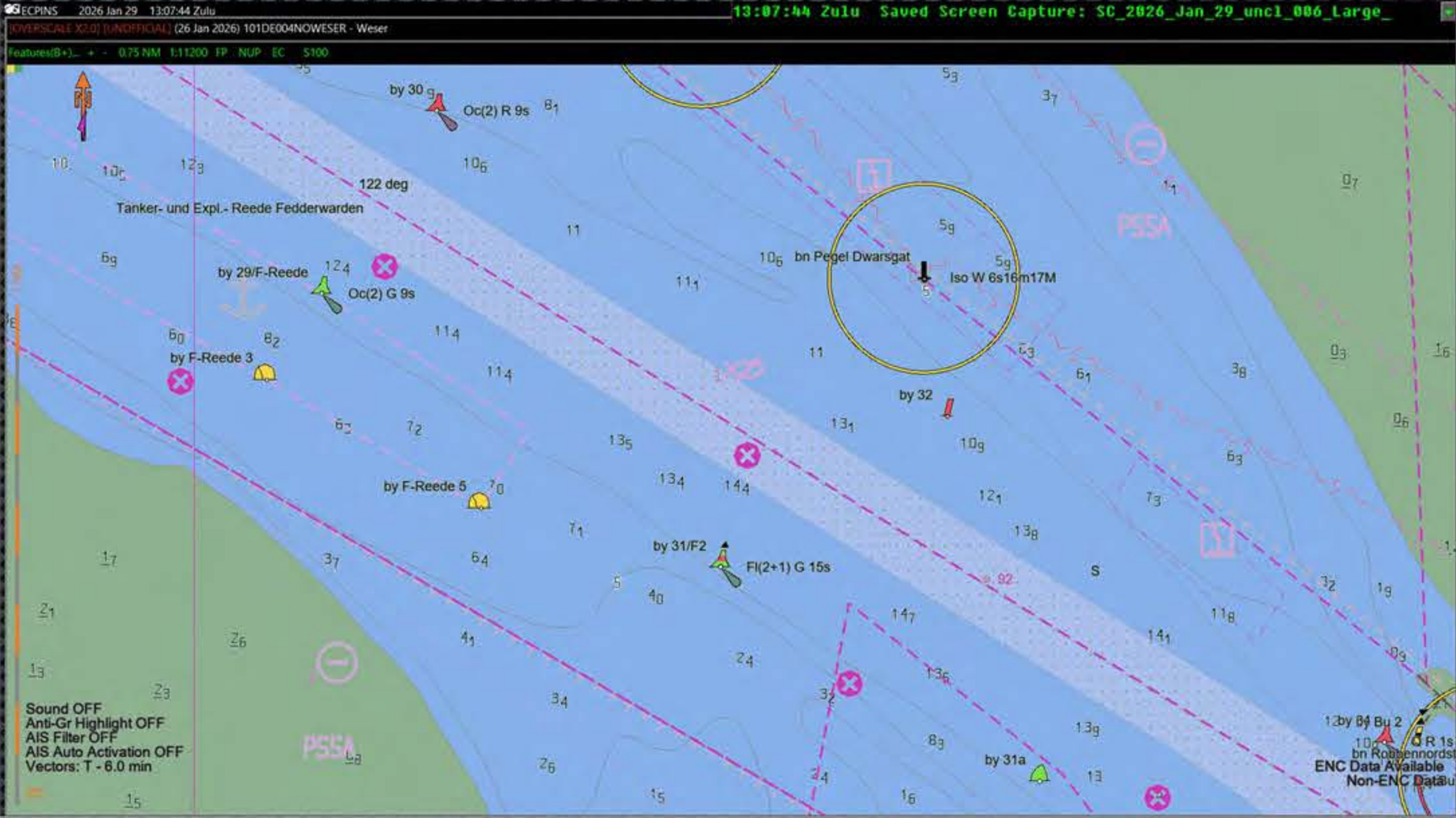
Credits:

- Some S-57 BSH data
- S-122 Portrayal ideas by Christin Hantsche (BSH)

Elektronische Seekarte im Wandel



S-57 ENC



S-101 ENC

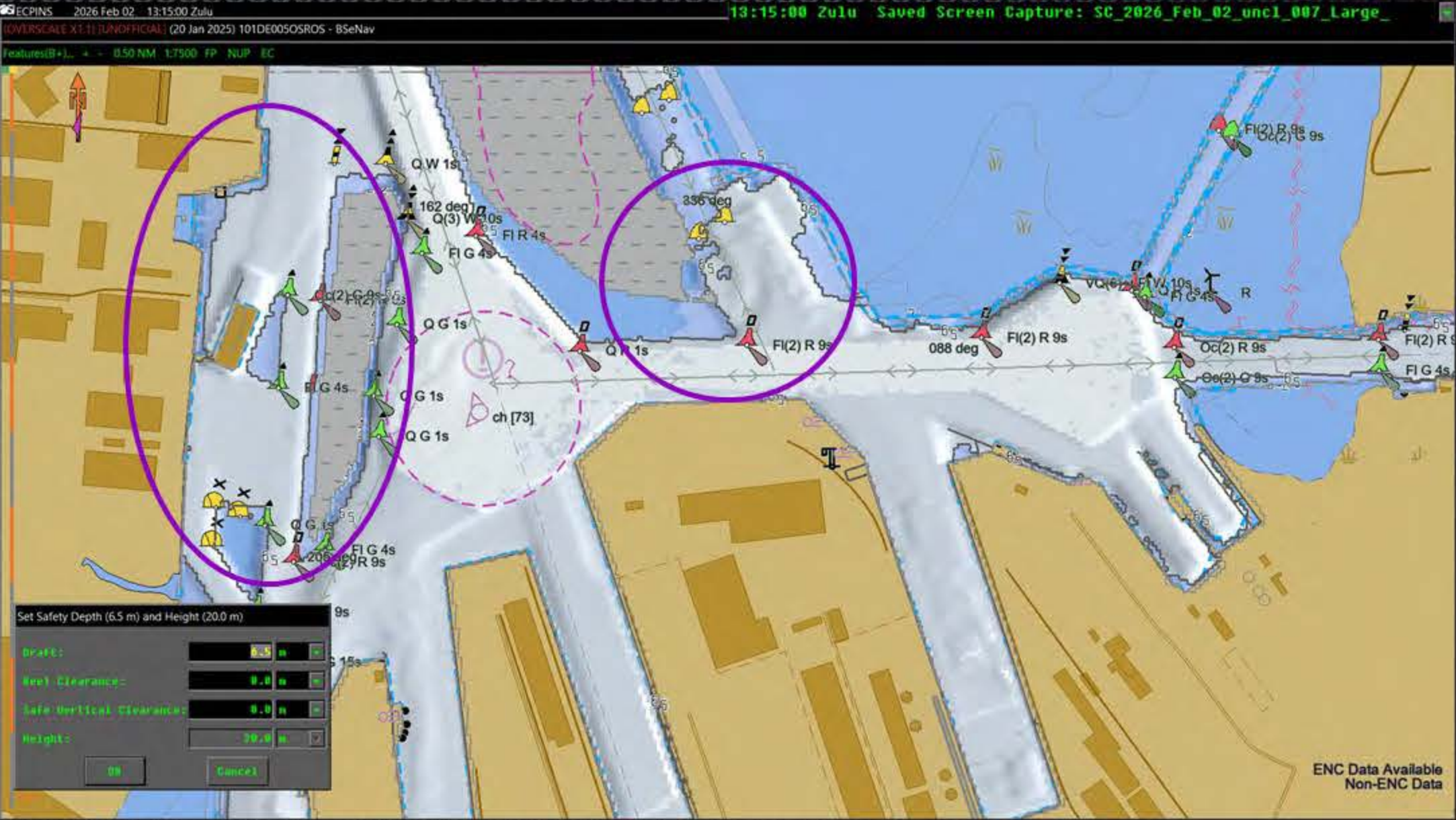
Credits:

- OSI ECPINS ECDIS
- Some S-101 BSH data

Elektronische Seekarte im Wandel



9,5 m Safety Contour

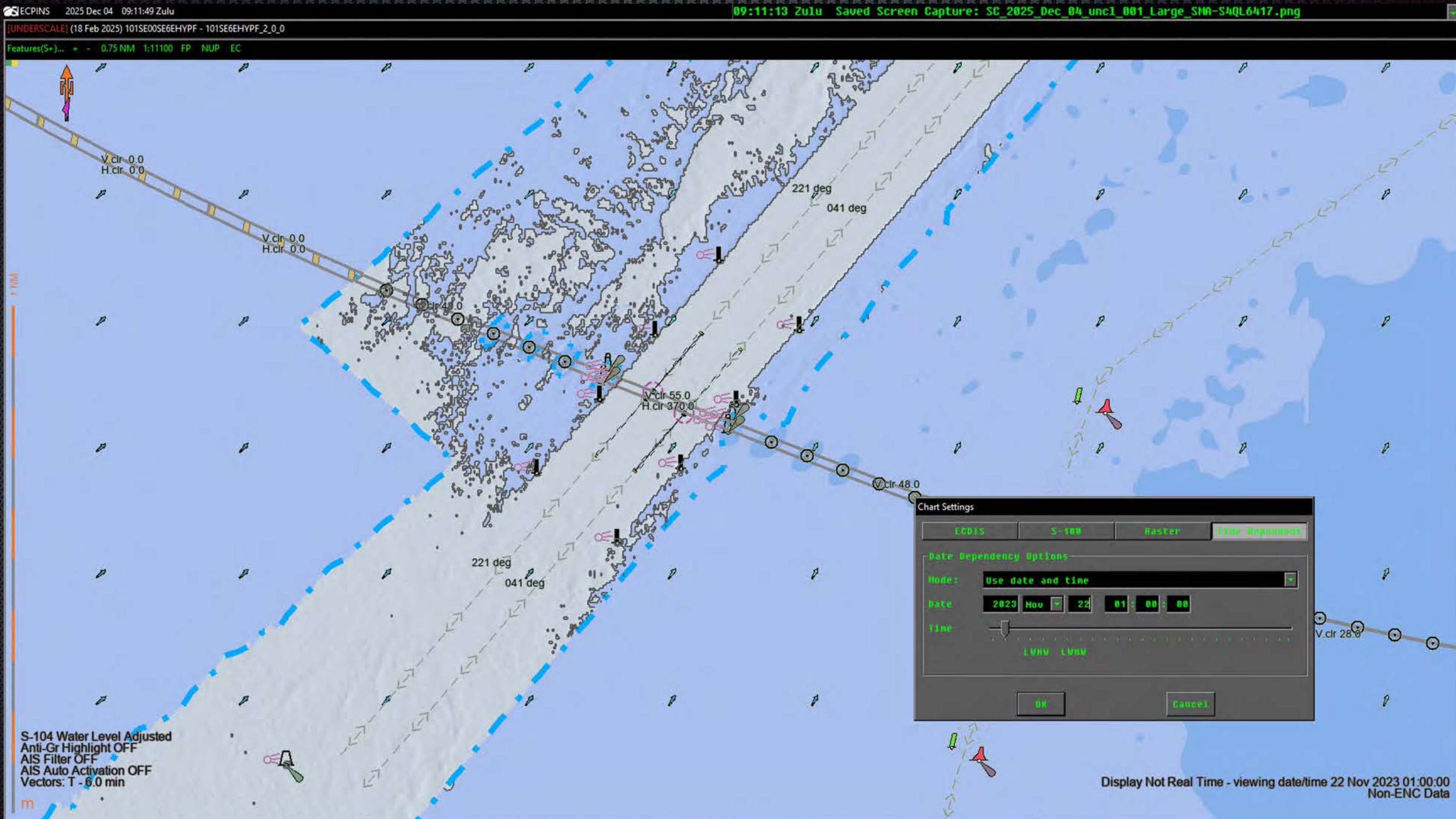


6,5 m Safety Contour

Credits:

- OSI ECPINS ECDIS
- Some S-101 BSH data
- Some S-102 BSH data

Elektronische Seekarte im Wandel



- Credits:
- OSI ECPINS system at SMA.
 - Some S-101 DK data and from SMA
 - S-104 and S-111 data from SMHI

The minimum depth in the fairway is 8,0m and the maximum draft the pilots allow is 7,2m.

Elektronische Seekarte im Wandel

NPUBs

M_PUB

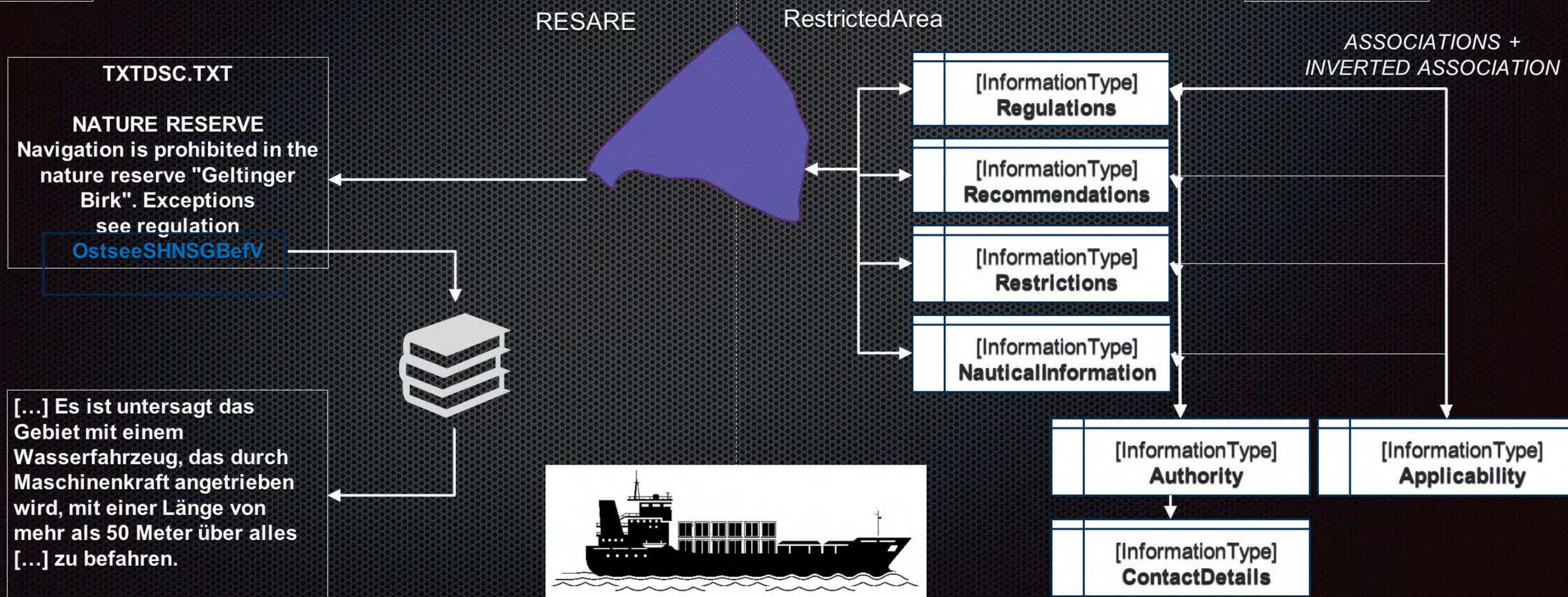
TXTDSC/NTXTDS

INFORM/NINFOM

PUBREF

S-57

S-101, S-1xx



Elektronische Seekarte im Wandel

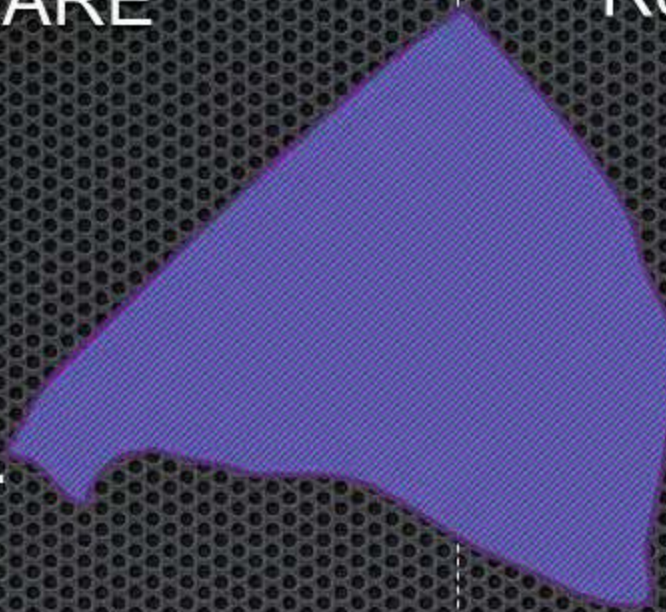
S-57

TXTDSC.TXT
NATURE RESERVE
Navigation is prohibited in the nature reserve "Geltinger Birk". Exceptions see regulation **OstseeSHNSGBefV**

[...] Es ist untersagt das Gebiet mit einem Wasserfahrzeug, das durch Maschinenkraft angetrieben wird, mit einer Länge von **mehr als 50 Meter** über alles [...] zu befahren.

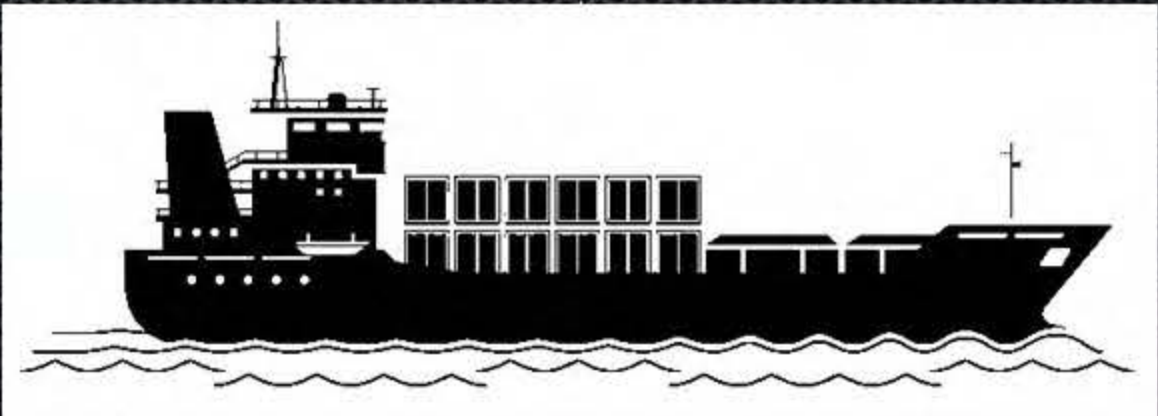


RESARE



RestrictedArea

[InformationType]
Rec/Res/Reg

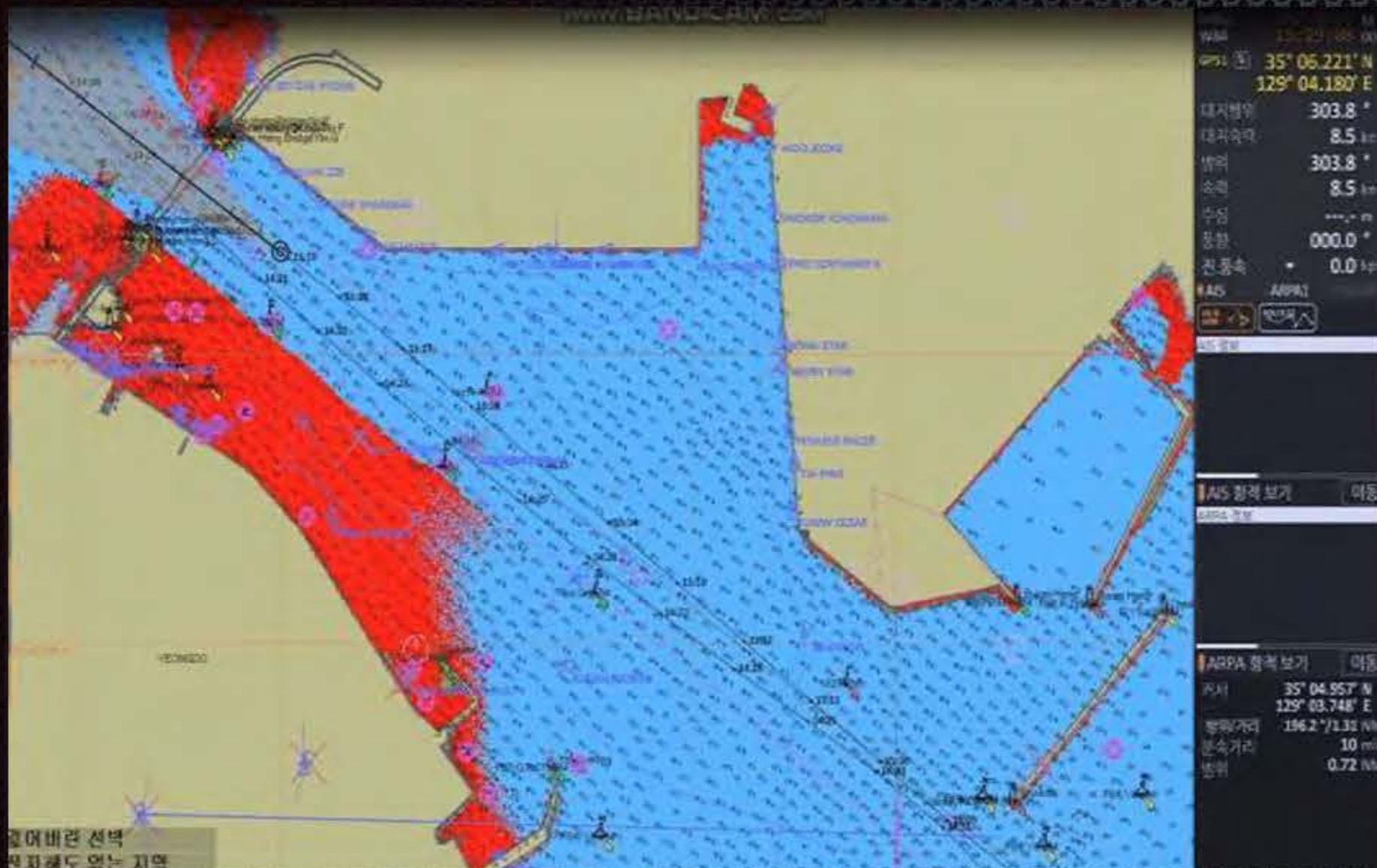


S-101, S-1xx

[InformationType]
Applicability
type of cargo
displacement
vesselsMeasurementsSpecification
→ length, beam, draught, ...

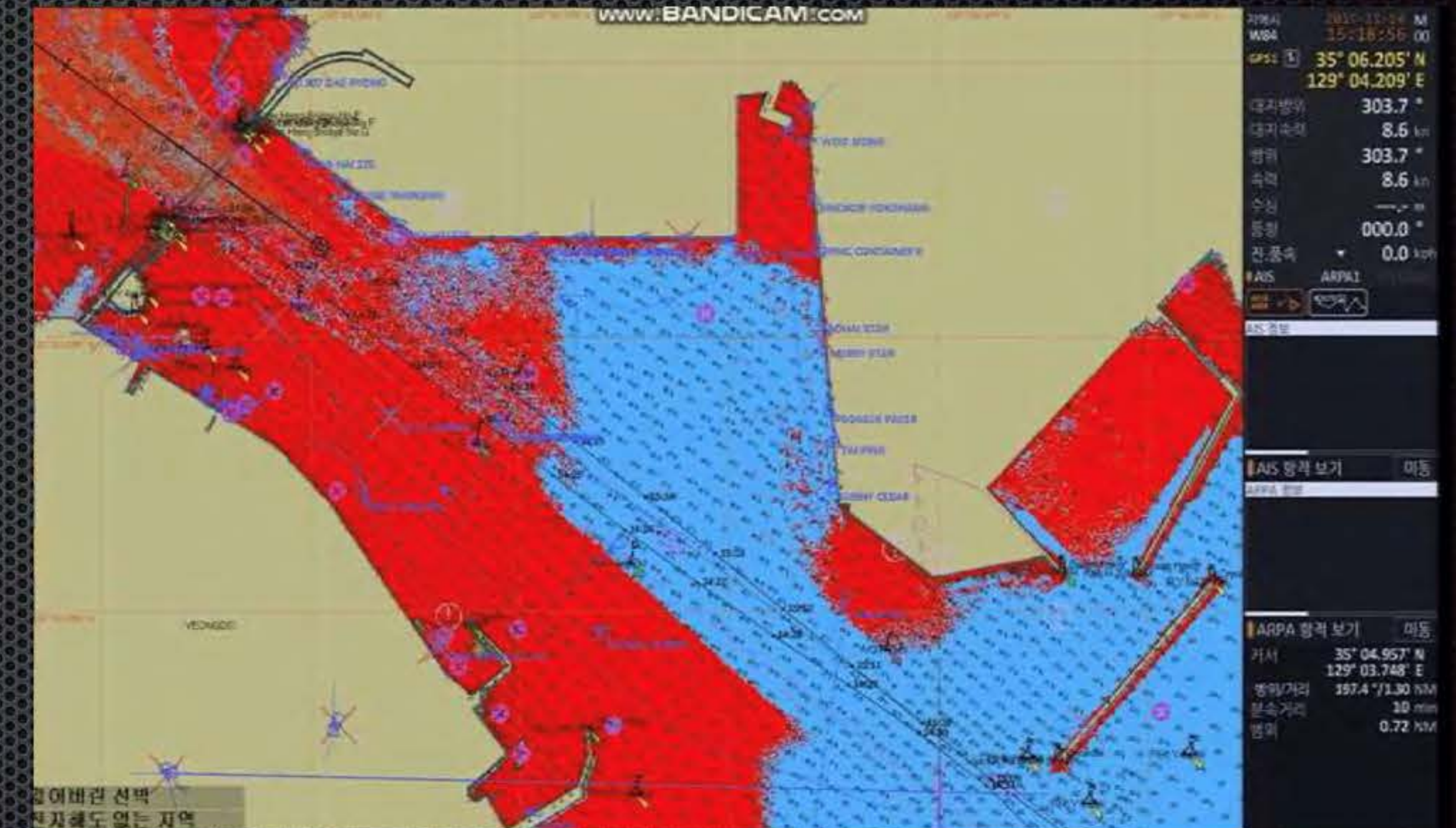
Attribute	Condition
vesselCharacteristics	length overall
comparisonOperator	greater than
vesselCharacteristicsValue	50
vesselCharacteristicsUnit	metre

Elektronische Seekarte im Wandel



Wassertiefe (S-102) < Safety Depth
→ Darstellung in rot

Go /No-Go
Areas

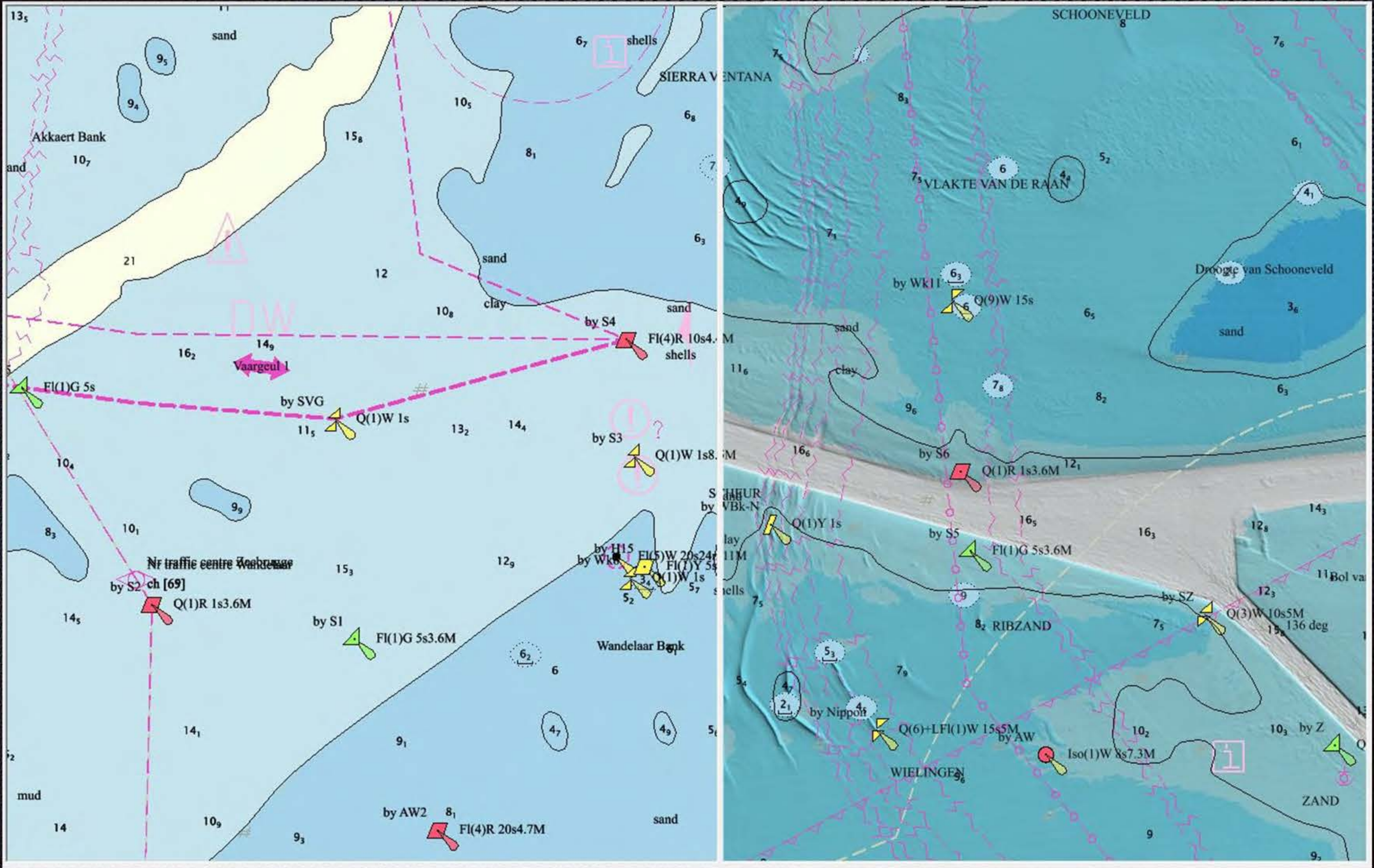


Wassertiefe (S-102) + Wasserstand (S-104) < Safety Depth
→ Darstellung in rot

Credits:

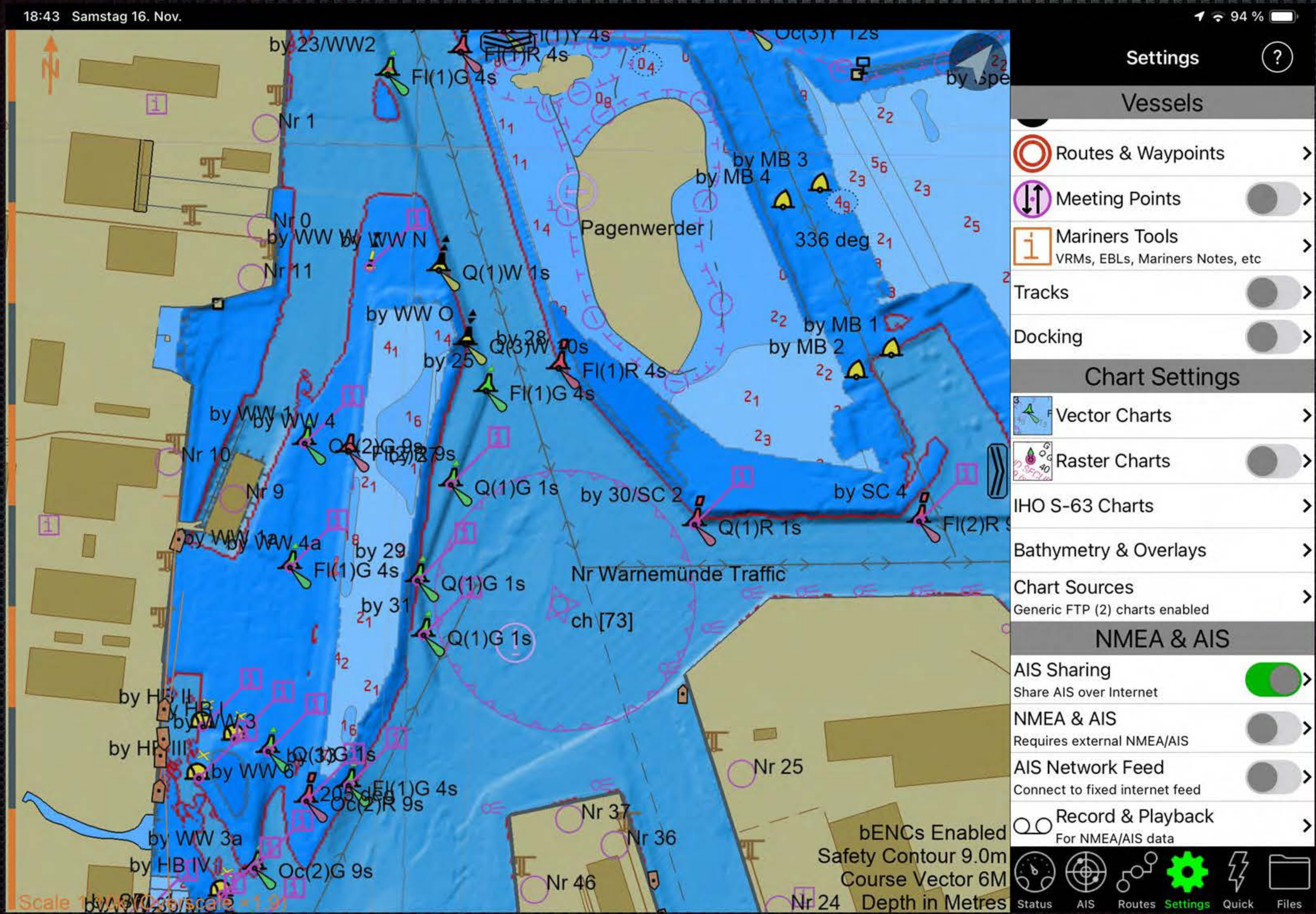
- KHOA
- https://docs.iho.int/mtg_docs/com_wg/S-100WG/S-100WG3/presentations/S-100WG3_8.4_Demo%20of%20No-go%20area%20with%20S-102%20and%20S-104%20Datasets%28Rev2%29.pdf

Elektronische Seekarte im Wandel



Credits:
• Belgian HO

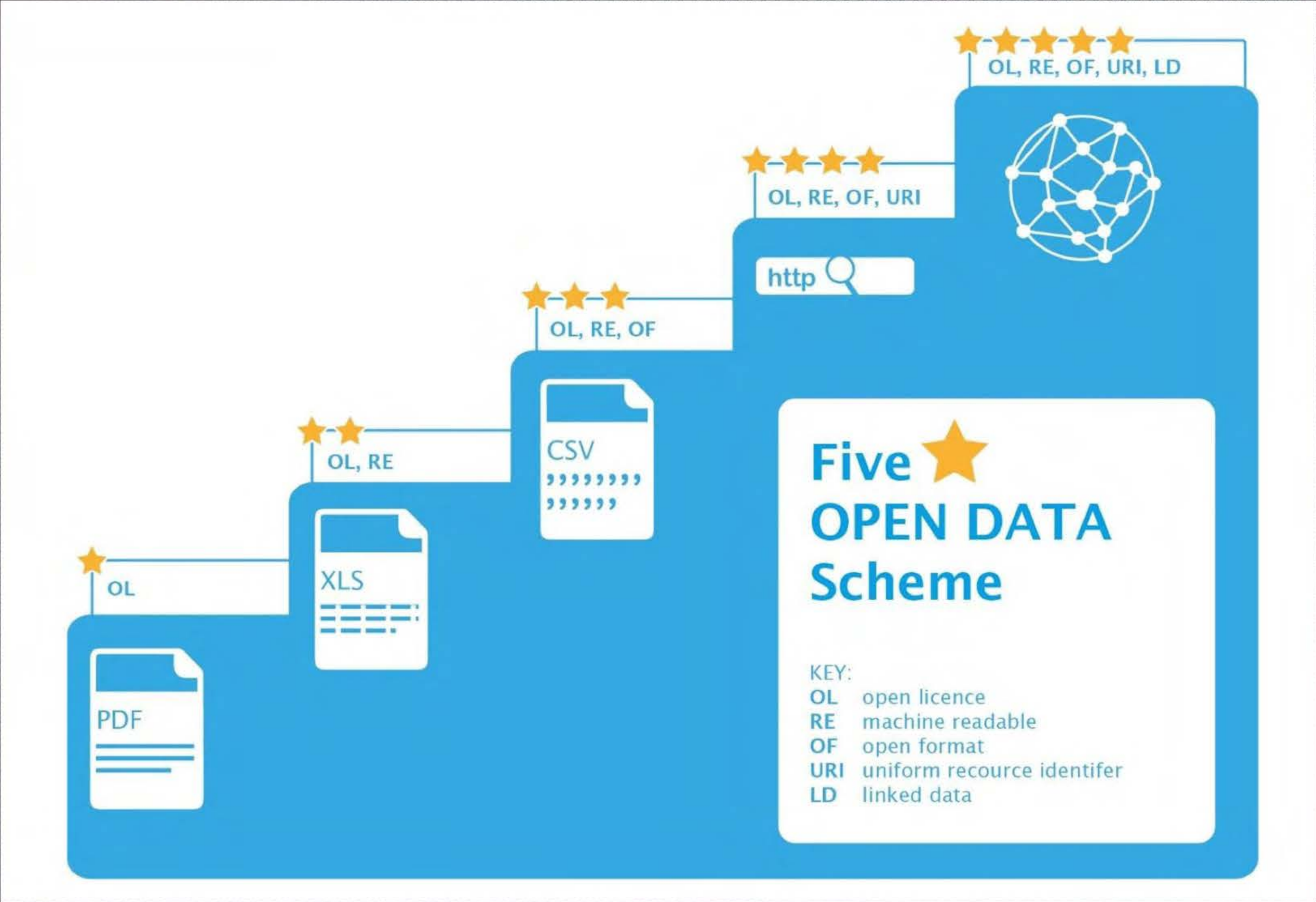
Elektronische Seekarte im Wandel



Credits:

- SealQ
- Some S-57 BSH data
- Some S-102 BSH data

Elektronische Seekarte im Wandel



A high-angle, slightly blurred photograph of a ship's deck during a rough sea. The ship's structure, including masts and railings, is visible in the foreground and middle ground. The ocean is a deep blue with white-capped waves crashing against the ship. The sky is a pale, overcast blue. The overall mood is one of intense action and danger.

A Ship is SAFE in harbour but ...

***That's not what
SHIPS are built for.***

Willam H Shedd