

BSH ENC gridding

Experiences gained during the ENC gridding process

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Rational and objective

Importance of MSDI to HOs

Aspects seeking MSDI

Third party data incorporation

- Standardised paper chart scales and coverages
- Start of bENC production
- Flexibility, no overlaps
- Suitable for North Sea and Baltic Sea
- Easy to understand naming convention
- Future S-100 proof

Traditional Role of the HOs

Gridding strategy

Aspects seeking MSDI

Third party data incorporation

- Basis is bENC regular 2'x2' grid
- Coordinate origin is near the northwesternmost point of the German EEZ in the North Sea
- Approach ENC is a multiple of the bENC 2x2 minutes' grid. The Approach ENC grid schema forms the basis of the entire ENC grid for German waters.

Experiences gained during the ENC gridding process

Traditional Role of the HOs

Gridding strategy

Aspects seeking MSDI

Third party data incorporation

- Every Approach ENC has an extent of 10x20'
- Every Coastal ENC has an extent of 60x80'
- Application to Overview, Harbour and Berthing ENCs are scheduled for 2023/2024
- Overlapping to neighbouring countries 5 metres



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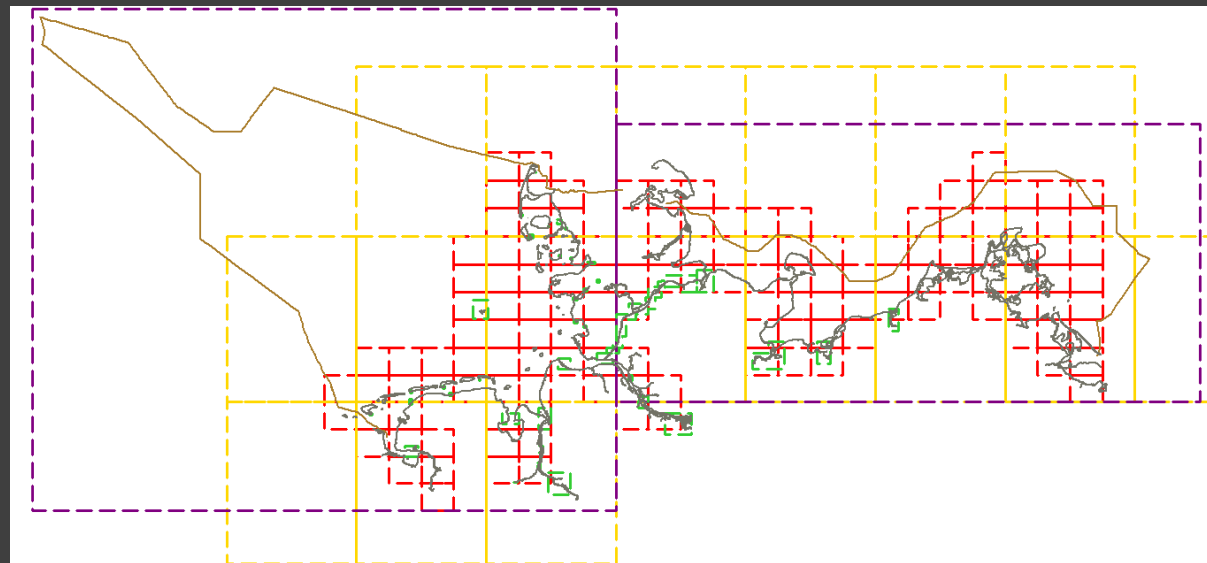
Experiences gained during the ENC gridding process

Traditional Role of the HOs

Gridding strategy

Aspects seeking MSDI

Third party data incorporation



2 General
17 Coastal (60'x80')
136 Approach (10'x20')
110 Harbour

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Traditional Role of the HOs

Importance of MSDI to HOs

Nomenclature

Third party data incorporation

- One Approach ENC DE4NO14P
 - DE - producing agency (BSH).
 - 4 – Usage Band Approach
 - NO - North Sea
 - 14 - row in the grid
 - P -column of the grid.



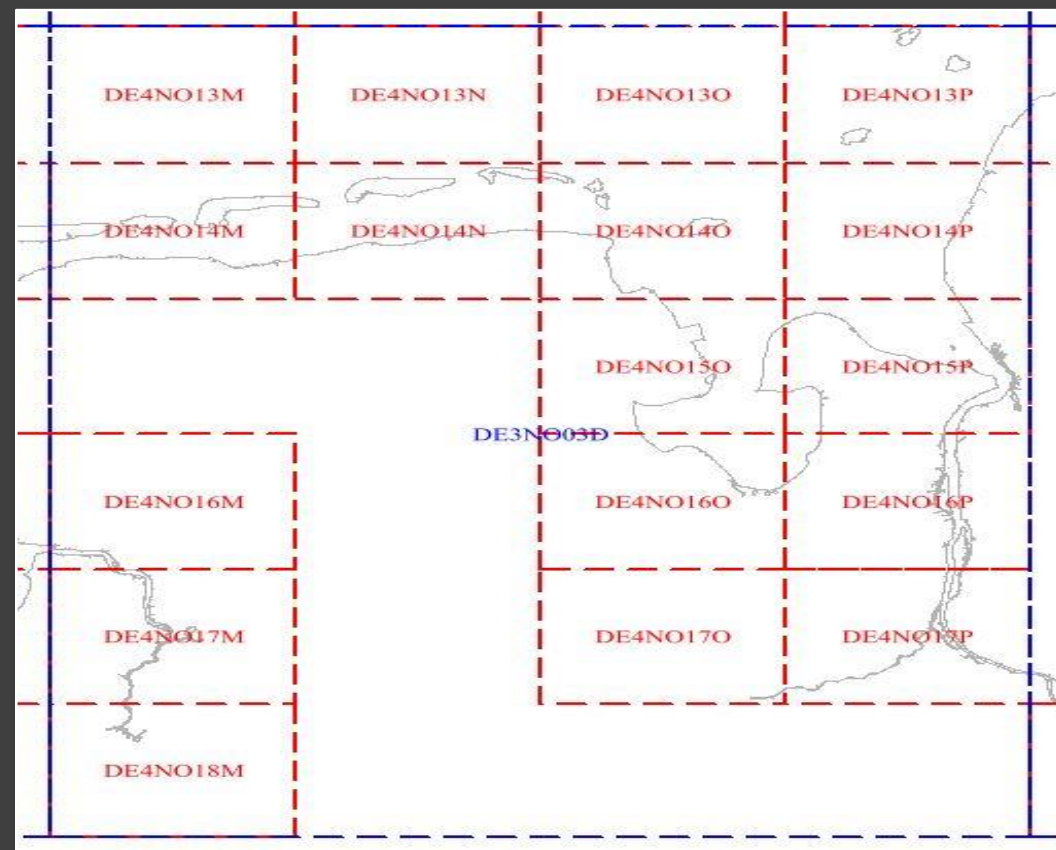
Experiences gained during the ENC gridding process

Traditional Role of the HOs

Importance of MSDI to HOs

Nomenclature

Third party data incorporation



Experiences gained during the ENC gridding process

Traditional Role of the HOs

Importance of MSDI to HOs

Aspects seeking MSDI

Implementation

- Start with North Sea in one big step
- Continuation with Baltic Sea iteratively
- Close consultation with IC-ENC

Traditional Role of the HOs

Importance of MSDI to HOs

Aspects seeking MSDI

Implementation

- North Sea schedule

- Launch week = T
- T-7 months finalising the change setup plan
- T-6 months tuning work items and schedule with IC-ENC
- T-5 months start of new ENC preparation
- T-8 weeks stop source data updates
- T-6 weeks source data are all on “VERIFIED” status
- T-3 weeks final compare of new ENC’s (NtM corrections), forwarding new ENC’s to IC-ENC
- T-2 weeks resuming source data updates, IC-ENC check of new ENC’s
- T Preparing cancellation updates and distribution if IC-ENC check was positive

Experiences gained during the ENC gridding process

Traditional Role of the HOs

Importance of MSDI to HOs

Aspects seeking MSDI

Implementation

- Baltic Sea schedule
 - More complex and over a longer period of time
 - Less staff involvement
 - Less coordination efforts for both BSH and IC-ENC



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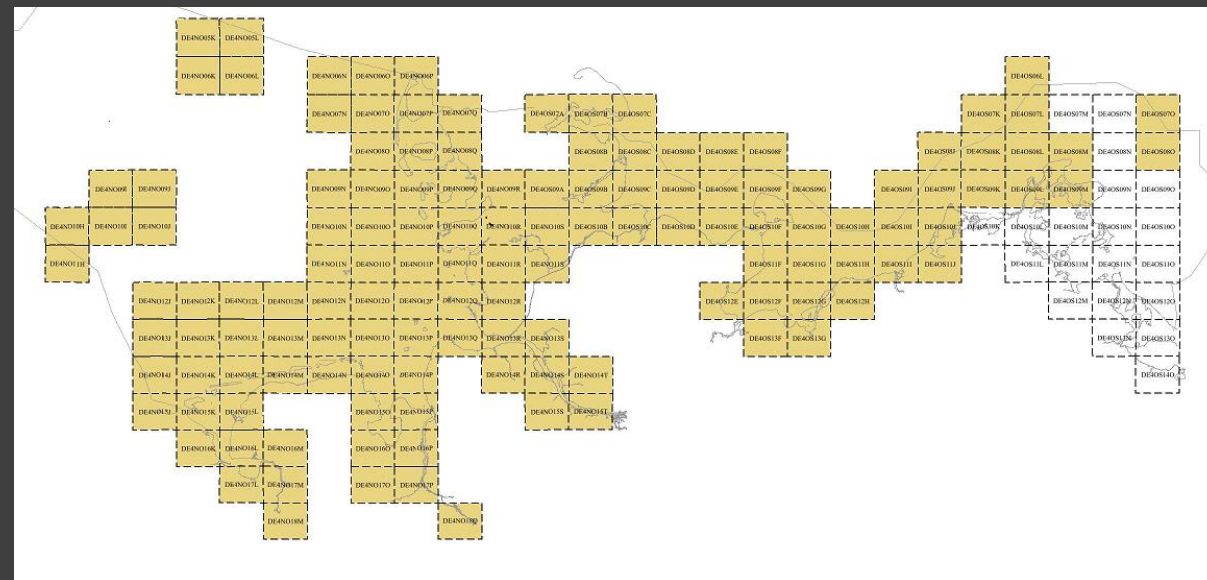
Traditional Role of the HOs

Importance of MSDI to HOs

Aspects seeking MSDI

Implementation

- Progress overview (approach)



As of Feb 2023



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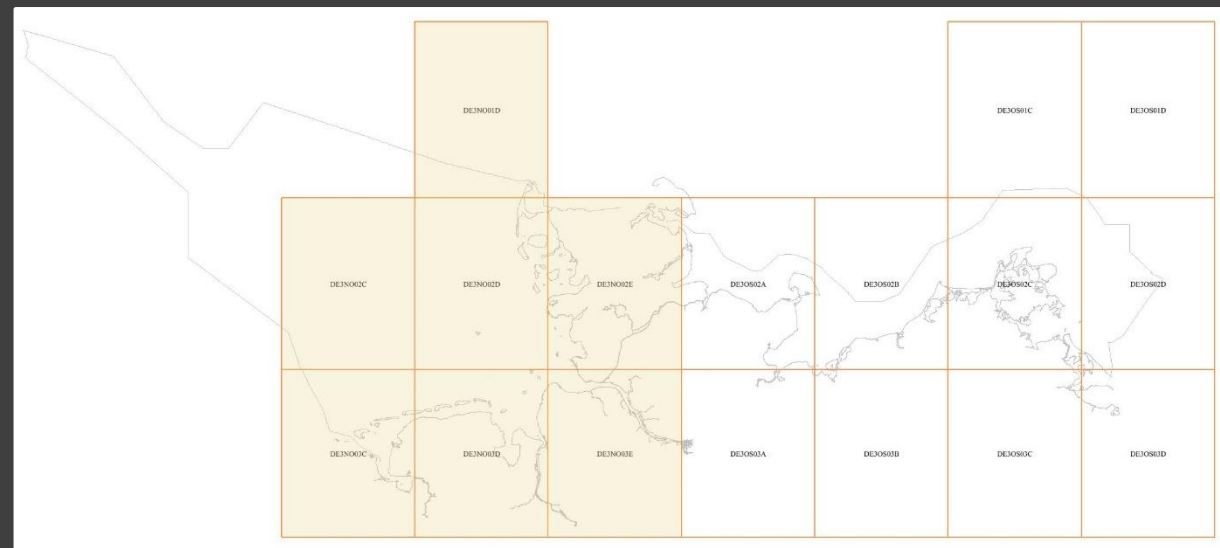
Traditional Role of the HOs

Importance of MSDI to HOs

Aspects seeking MSDI

Implementation

- Progress overview (coastal)



As of Feb 2023