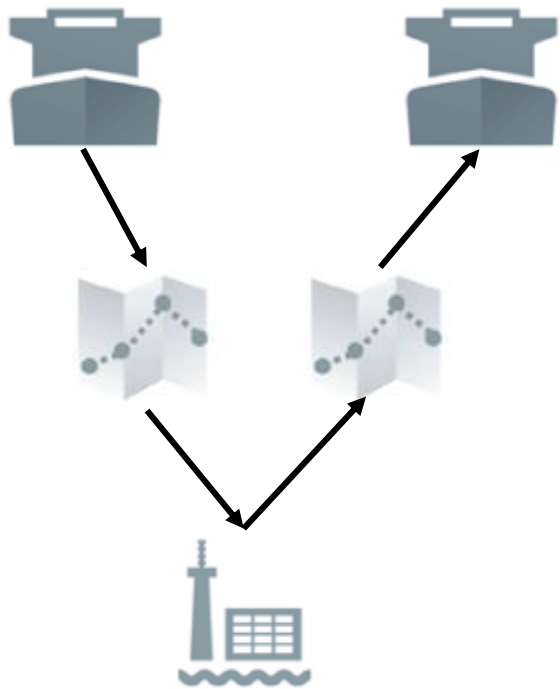


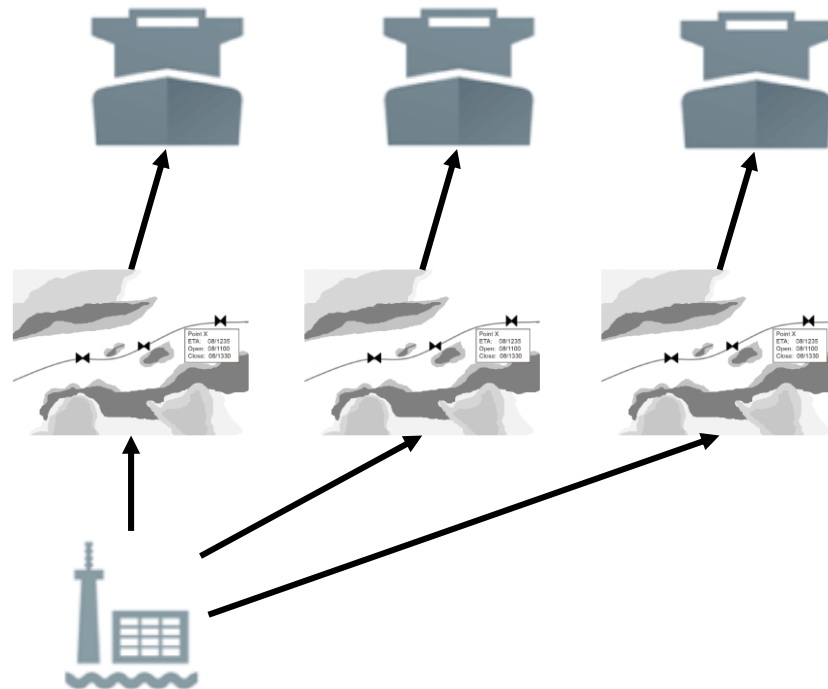
Use case of IHO S-129

Hannu Peiponen

S-129PT meeting
27th Jul 2023



Initial and refined Route planning
- Exchange of Route plan using S-421



Voyage monitoring
- Repeated transmission of S-129
from shore to onboard

Initial and refined planning

- ◆ Exchange of Route plans between shore and onboard
- ◆ Exchange format is S-421 described in IEC 63173-1
 - Published in 2021
 - Feature catalog and Portrayal catalog are part of S-421
 - ◆ Downloadable from <http://cirm.org/S-421>
- ◆ Exchange of route plans (for any purpose) is part of new IMO ECDIS rule for S-100 compliant ECDIS
- ◆ Test of IMO compliance is part of new 5th edition IEC 61174
 - Currently under progress by IEC TC80/MT7

Voyage monitoring

- ◆ Transmit of S-129 datasets from shore to onboard

- ◆ Feature catalog and Portrayal catalog are part of S-129
 - Already under progress by IHO S-129PT

- ◆ S-129 validation is needed at the shore side (publisher)
 - Under progress by IHO S-129PT ??