



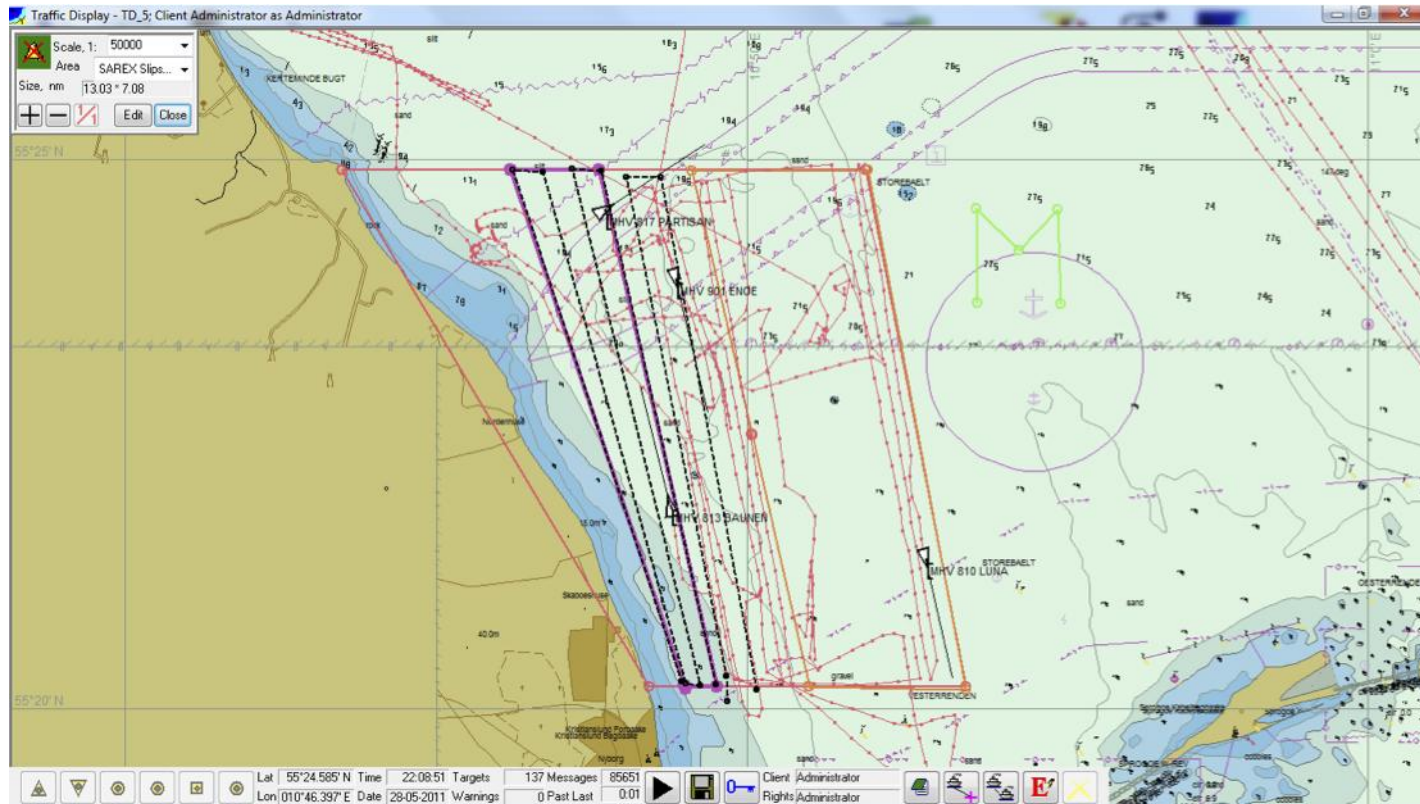
# TECHNOLOGY

AIS as the Keystone

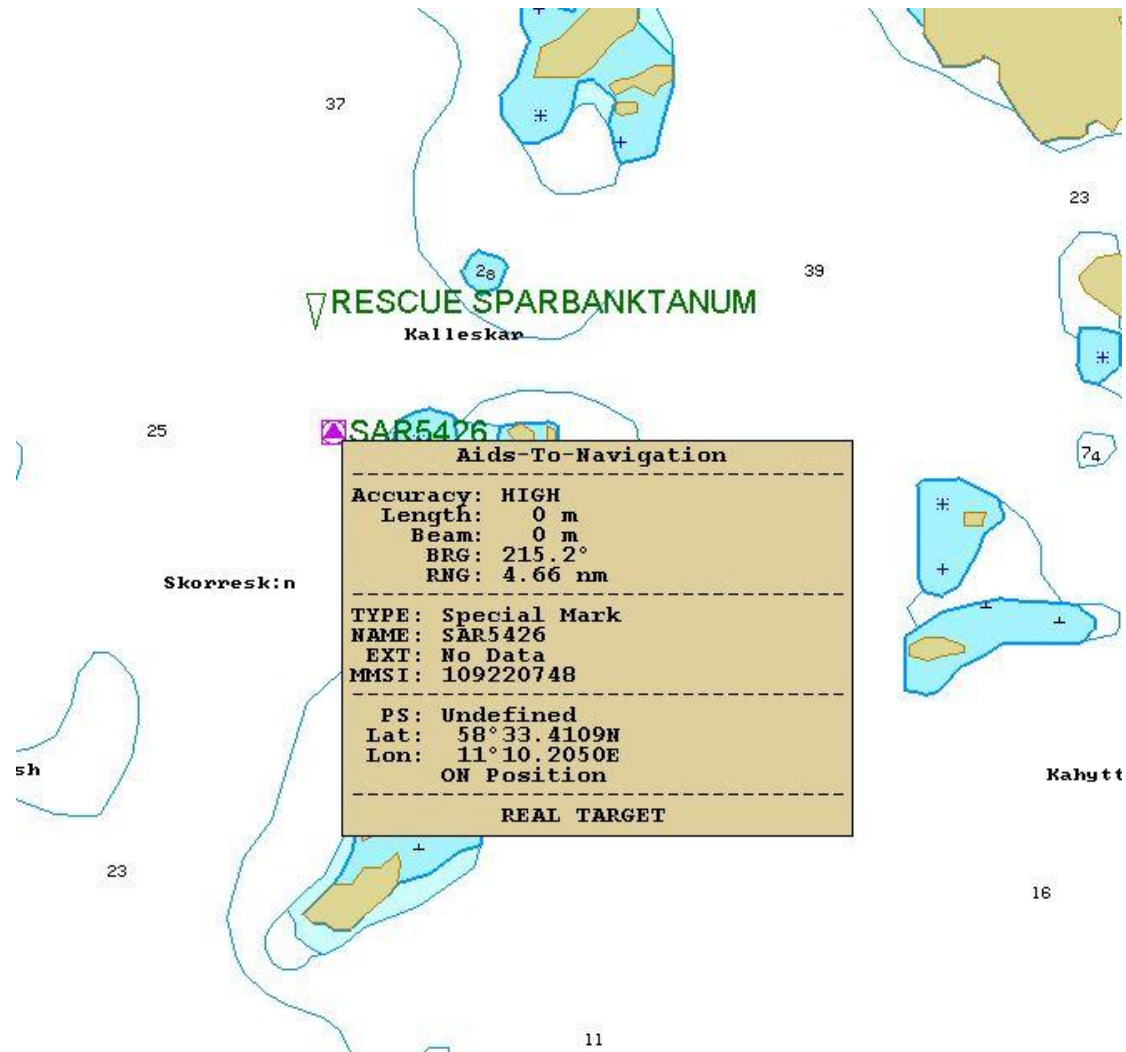
Binary Messages

Virtual- Aids to Navigation (AtoN)

# Search area transmitted via Binary Messages



# Virtual Aids to Navigation

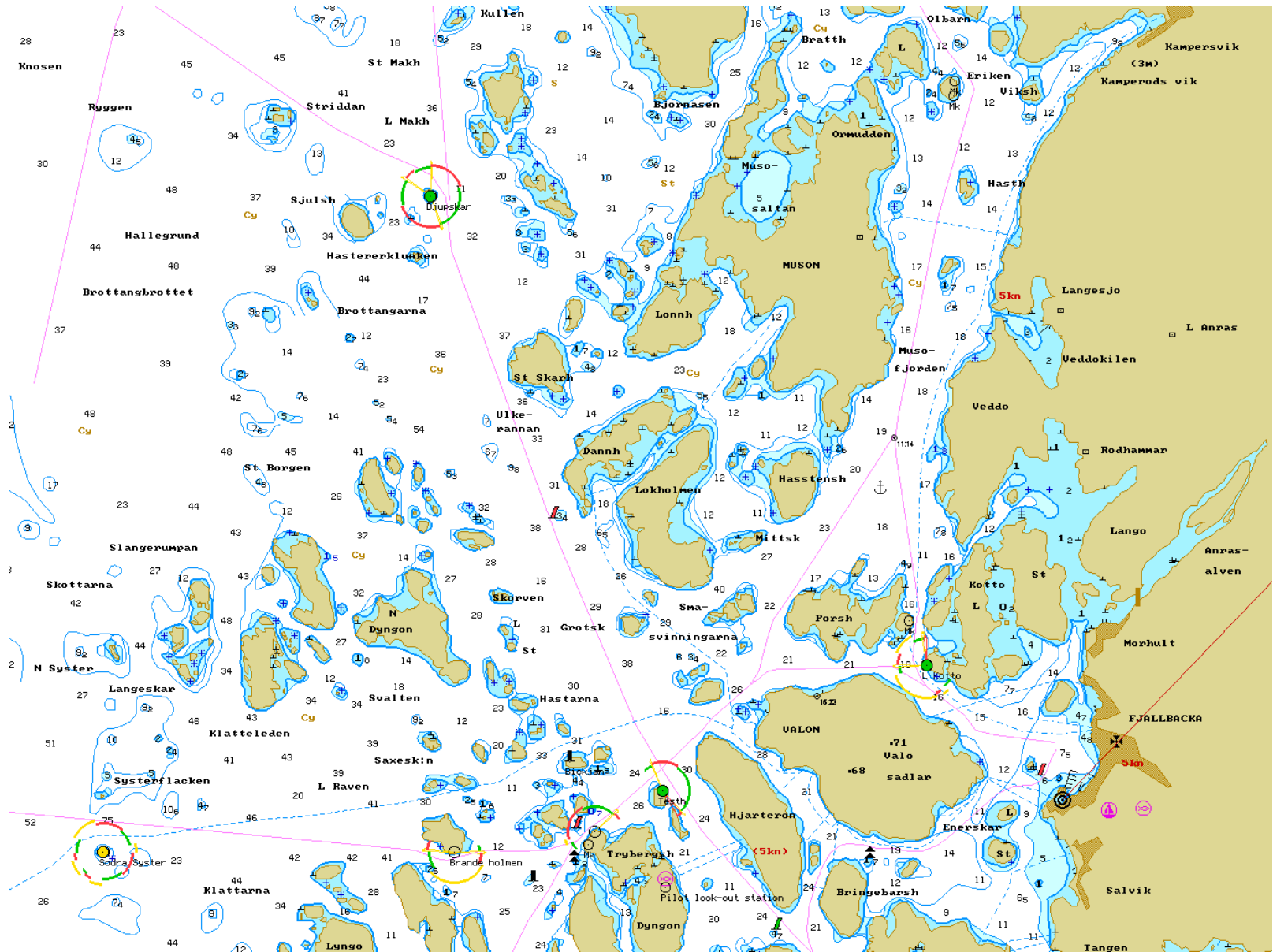


# Virtual Aids to Navigations in a search area on a ECS Display



# TRIALS

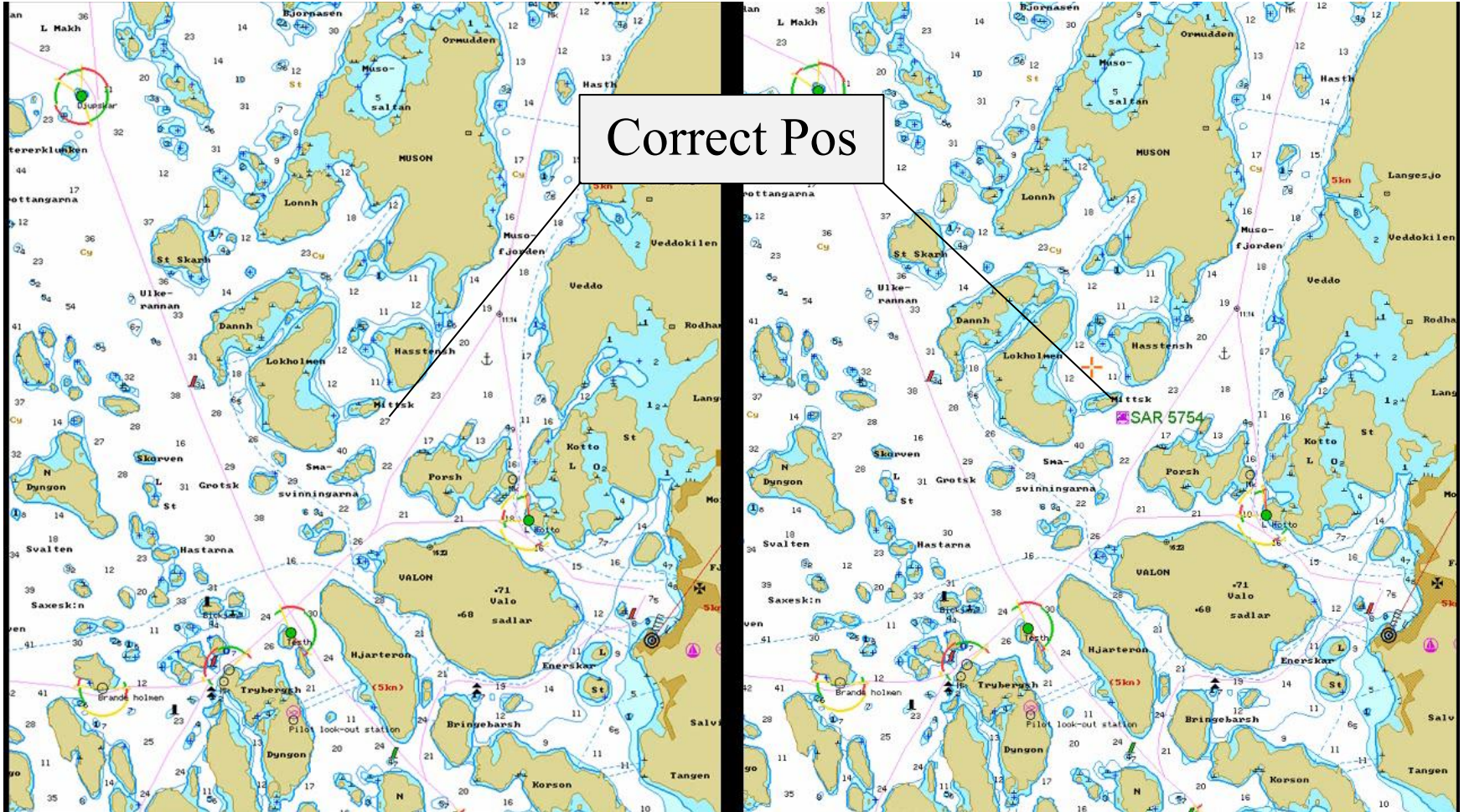
- Differences in time?
- The Aids effect on Humans
  - Situational Awareness
  - Workload
  - Stress



# Conventional

# Digital

Correct Pos

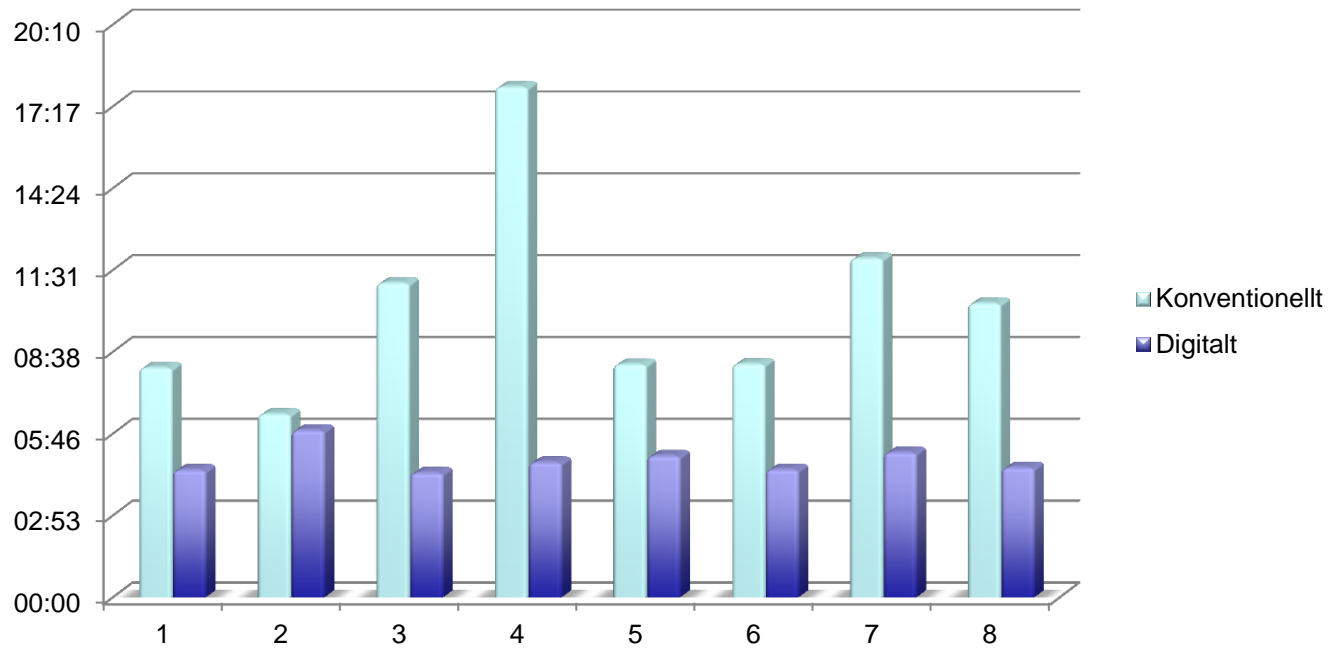


# Results

- Total profit in time, when using digital aids for communicating a position and a search area is about 7 minutes
  - The greatest profit was made during plotting and processing the search area

# Resultat

## Tid till sökstart



# Results

- Total profit in time, when using digital aids for communicating a position and a search area is about 7 minutes
  - The greatest profit was made during plotting and processing the search area
- The trend was positive results to all human factors
  - Situational Awareness
  - Workload
  - Stress