June 7th, 2011: “This is a milestone and a historic day for Norway. Our land borders and maritime boundaries are now all clearly established” said Foreign Minister Jonas Gahr Støre.
• Galileo ground station at SvalSat (78 N) inaugurated May 20th, 2011
  • Provides uplink capability for Galileo

• Galileo first two IOVs to be launched Oct 20th, 2011 (dual launch)

• Arctic coverage of augmentation systems still to be worked
  • ESA project ”Arctic Testbed” can be a valuable ”Step 1” in this process
  • An excellent opportunity for multi-national cooperation in the High North
Maritime navigation

• International Maritime Organisation
  – Subcommittee for navigation (NAV) discussing GNSS backup systems this week
  – Increased awareness of GNSS vulnerabilities
  – General scepticism on “local solutions” for backup systems

• Maritime dGPS (“IALA-dGPS”)
  – Operational in 30+ nations worldwide
  – Modernization projects ongoing in several countries, incl. Norway
    • IALA-dGPS will probably evolve into a “dGNSS” system
  – Will continue to have a role in the maritime PNT system of systems

• SBAS systems
  – Will WAAS / EGNOS / MSAS etc have a maritime role in the future?
EGNOS

• EGNOS Safety-of-Life declared operational March 2\textsuperscript{nd}, 2011

• EGNOS v3.0 definition ongoing
  – Multi-frequency
  – Combination with WAAS
  – Use of also non-GEO for integrity distribution?
  – A maritime role?
Kystverket tar ansvar for sjøveien

Kystverket er til stede langs hele Norges kyst og yter et mangfold av tjenester for alle typer brukere av norske farvann.