




The Norwegian Navy

Organizational Overviews

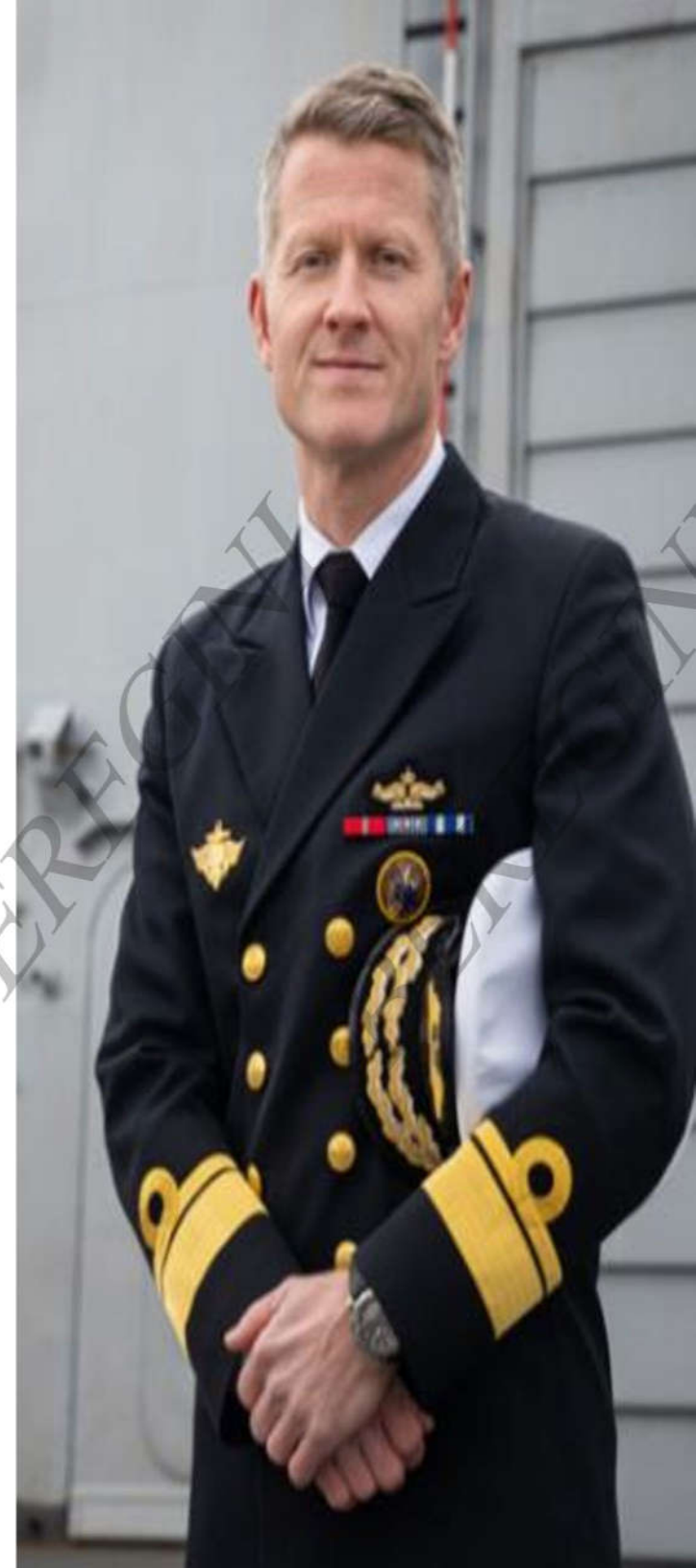


Royal Norwegian Navy (RNoN)

- Chief of the Navy
- Naval Staff
- Norwegian Fleet
- Coast Guard
- Frigate Service
- MCM Service
- Corvette Service
- Submarine Service
- Coastal Ranger Commando
- Naval EOD Command

Royal Norwegian Navy (RNoN) –

- *MARKAP* – Norwegian Defence Materiel Agency (NDMA) Naval Systems
- *MARCSS* – Maritime Combat Service and Support
- *Saniteten i Sjøforsvaret* – Norwegian Navy Medical Branch
- *Sjøkrigsskolen* – Royal Norwegian Naval Academy (RNoNA)
- *KNM HH /befalsskole* – Officer Candidate School / NCO school
- *KNM Tordenskjold* – Norwegian Naval Training Establishment
- *Verneplikt* – conscription / mandatory military service
- *Marinejegerkommandoen* – Naval Special Operations Command (NORNAVSOC)





NAVAL TRAINING ESTABLISHMENT



MKS

SSS

DFS

SITS

NAVKOMP

UVBS

TØE

Marinens krigføringssenter

Senter for skipsteknikk og sikkerhet

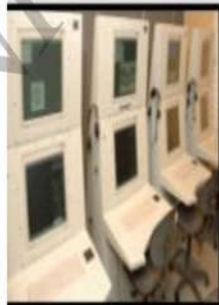
Dykker- og froskemannsenteret

Sjøforsvarets Idretts- og treningsenter

Navigasjon kompetansesenter

Ubåtskolen

Trening og evaluering



• EDUCATION • TRAINING SUPPORT / MUSTERS / EVALUATION / DEPLOYMENT • IMPROVEMENT / CONSULTATION

CAPABILITY PRODUCTION



Norwegian Maritime Warfare Centre

Warfighting capabilities through timely and relevant competency





FORSVARET

HNoMS Tordenskjold - Maritime Warfare Centre

Maritime Warfare Centre

- One of 8 centre's under Norwegian Navy's Weapons School - HNoMS "Tordenskjold"
- Norwegian Navy's centre for maritime warfighting
- On behalf of COMNORTRAINEST, Maritime Warfare Centre is to:
 - Manage regulations and documentation on subject matters related to maritime warfare
 - Develop doctrines, tactics, techniques and procedures iaw best practice
 - Educate students in maritime warfare, conduct individual- and collective training in warfighting competencies (knowledge, skills and attitude)
 - IOT enable warfighters the competencies required to win the battle should it come
- Vision: «Warfighting capabilities through timely and relevant competency»



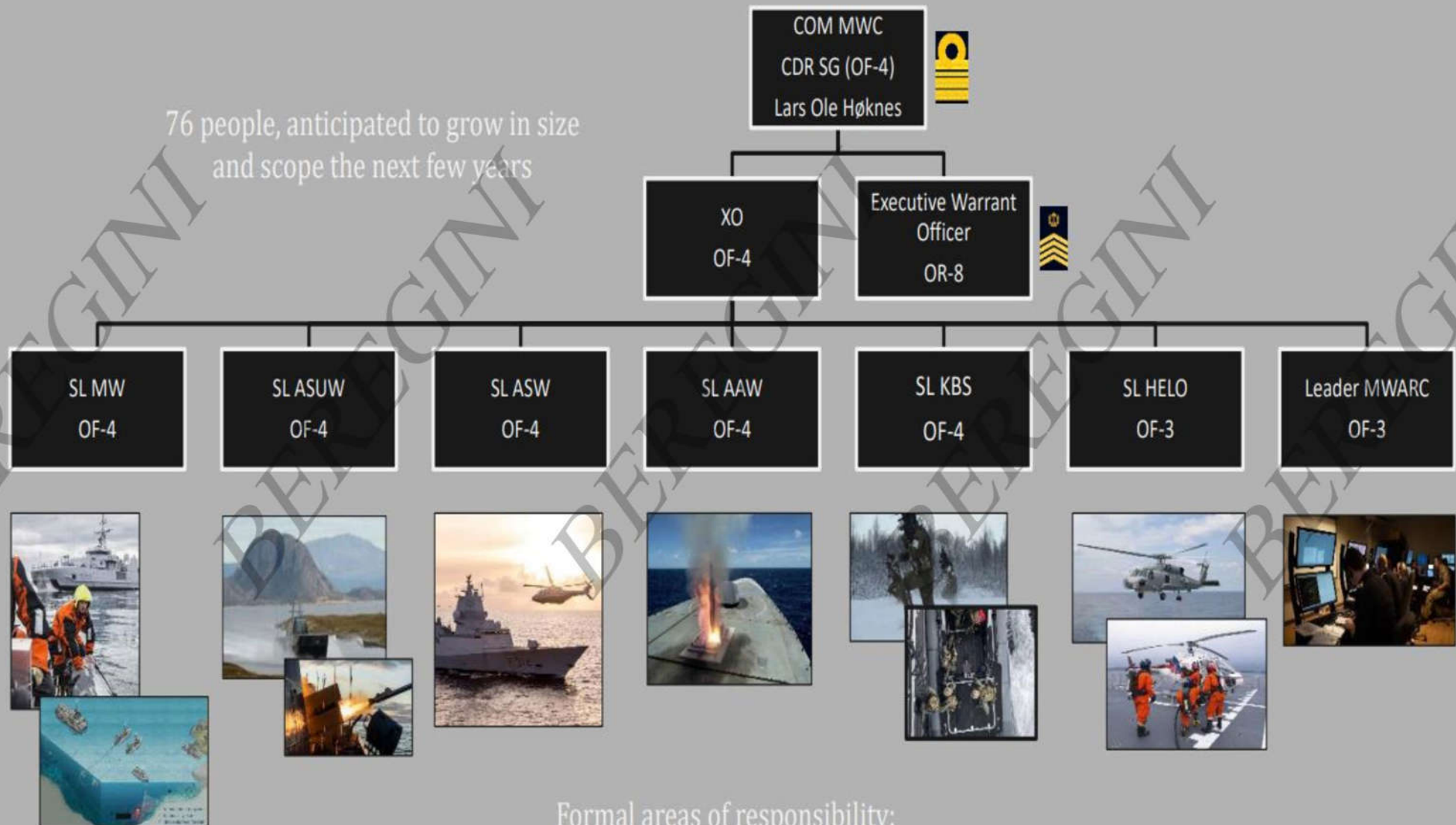
(U) Haakonsværn Naval Base (1960's)

Norwegian Maritime Warfare Centre

Warfighting capabilities through timely and relevant competency



76 people, anticipated to grow in size
and scope the next few years



Formal areas of responsibility:

MW, ASUW, ASW, AAW, CIC (MIW),

HELO Ops (SAC and Flight deck), MSO, Coastal Ranger Ops



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HNoMS Tordenskjold - Maritime Warfare Centre

Maritime Warfare Centre

2 locations

- Trondenes (Harstad)
 - A small group from the Coastal Ranger, Boarding and Force Protection section
 - Co-located with Coastal Ranger Commando
 - Coastal Ranger Courses
- Haakonsvern (Bergen)
 - Tordenskjold-building
 - School and simulator facilities
 - Maritime warfare sections AAW, ASUW, ASW and MW
 - Helo section
 - Coastal Ranger, Boarding and Force Protection section



(U) Norwegian Armed Forces bases (2024)



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HNoMS Tordenskjold - Maritime Warfare Centre

Maritime Warfare Centre

Mission summarized to four main areas of effort:

1. *Regulations, publications, manuals and other documentation*
2. *Individual competency*
3. *Collective competency*
4. *Subject matter expertise, counselling and support to future development*



(U) Admiral Peter Wessel Tordenskjold (1719)

Regulations, publications, manuals and other documentation

- Revisions by 1 january (regulations) and 1 July every year (manuals)
- 15 documents, e.g.
 - Norwegian Maritime Tactical Instructions and Procedures (NOMTAC)
 - NSM Tactical Guidelines
 - Maritime Artillery Tactical Guidelines
 - Regulations for helicopter operations from Norwegian Navy's ships
 - Handbook for Tactical Maritime Planning (TAMP)
- Manuals for every class of ship in the Fleet



Individual competency

- Majority of our time
- To name a few courses
 - Maritime Warfare Course; Common-, Core- and Advanced modules
 - Shipborne Air Controller and Flight Deck Officer courses
 - Coastal Ranger Courses
 - MSO; boarding and visitation courses
 - TG Communications courses
 - Link courses
 - Maintainer (WE) and operator (WE/OPS) of sensors and weapons courses (e.g. C4IS, IFF, radar, sonar, link, artillery 12.7mm, 76mm...)
- Students from NOR, SWE, DNK, GER
- Some courses are supported by instructors from abroad, or by sending students abroad



(U) Coastal Ranger Basic Training

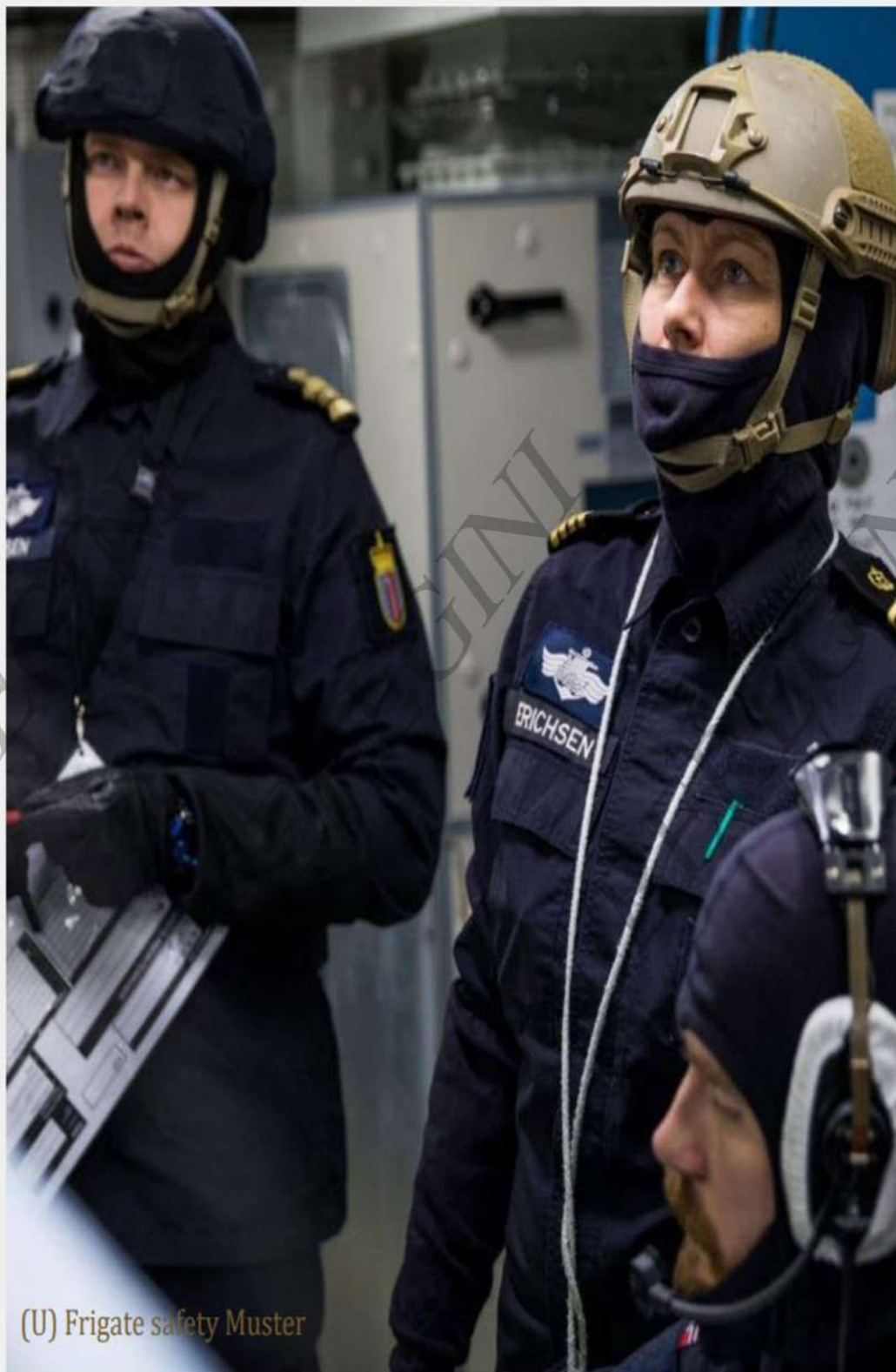


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HNOMS Tordenskjold - Maritime Warfare Centre

Collective competency

- Provide seariders and subject matter experts for workups and musters
- Provide tactical and combat technique training and evaluation of individuals and teams, general and mission specific
- Provide subject matter experts to exercise planning groups



(U) Frigate safety Muster

Subject matter expertise, counselling and support to future development

- International
 - MAROPS and other NATO WG
 - Steering committee CJOS COE
 - Steering committee CWO COE
 - Bilateral Training and Tactical WG (USN-RNorN only)
 - NSM User Forum
 - MTMD Forum
- National
 - Custodian of Norwegian Navy Tactical WG and Council
 - Navy's representative in Norwegian Armed Forces Military Doctrine Council
 - Member of Reference Board for next generation surface missile (3SM)
 - Member of several projects for future developments



(U) SME at work

Where do the Maritime Warfare
Centre navigate from here?

Continue doing what we do, and...

Prepare for growth in numbers and competency, including:

Next generation long range precision weapons

Unmanned and Counter-unmanned systems

Underwater Warfare including seabed operations

Minelaying

