



Locked Shields 2023

Patrik Fältström
Head of Security

Madelene Tivås
Security Expert

CCDCOE

- **MISSION:** support our member nations and NATO with unique interdisciplinary expertise in the field of cyber defence research, training and exercises covering the focus areas of technology, strategy, operations and law.
- **VISION:** foster cooperation of like-minded nations. We bring together NATO Allies and partners beyond the Alliance.
- 30 sponsoring nations, 9 contributing participants
- Located in Tallinn, Estonia
- One of the NATO Centres of Excellence



CCDCOE
NATO COOPERATIVE
CYBER DEFENCE
CENTRE OF EXCELLENCE

Sweden and CCDCOE

- *Sweden is a contributing participant since 2017*
 - *Sweden is represented in the Steering Committee*
 - *A seconded researcher (from the Armed Forces) at the Strategy Branch*
 - *Participates to varying extents in the centre's activities*
 - *Research, exercises, training*
- *The Swedish participation is coordinated by the Swedish Armed Forces Cyber Defence*



CCDCOE
NATO COOPERATIVE
CYBER DEFENCE
CENTRE OF EXCELLENCE

SWEDISH ARMED FORCES CYBER DEFENCE



SWEDISH ARMED FORCES

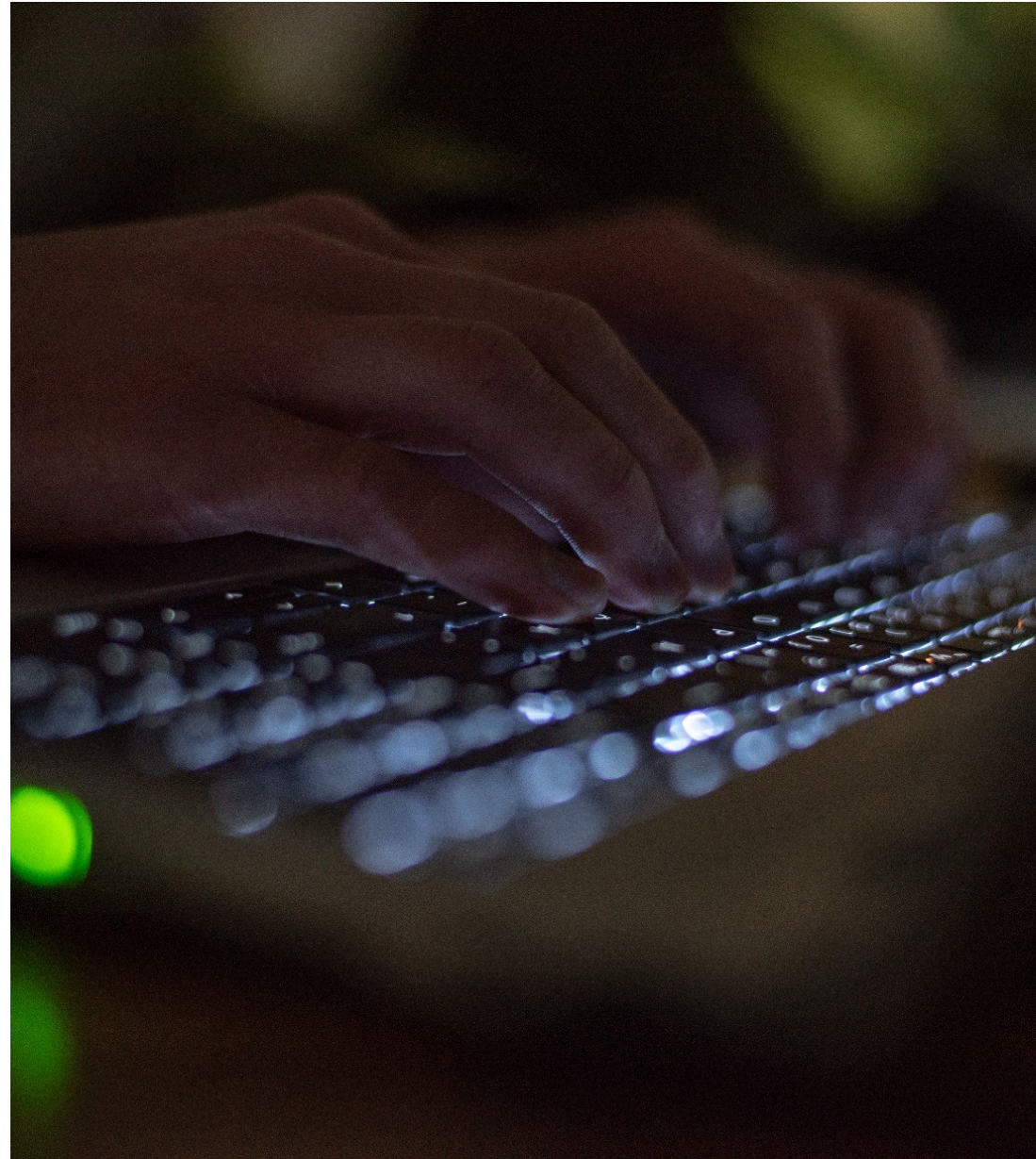
CYBER DEFENCE

- The Armed Forces have a leading role in the Swedish Cyber Defence
- Cyber Defence is one of the main priority tasks
- Able to protect systems both inside and outside of the Armed Forces
- Necessary to plan defence and total (civil) defence
- Cyber Security is an absolute necessity



EXERCISES

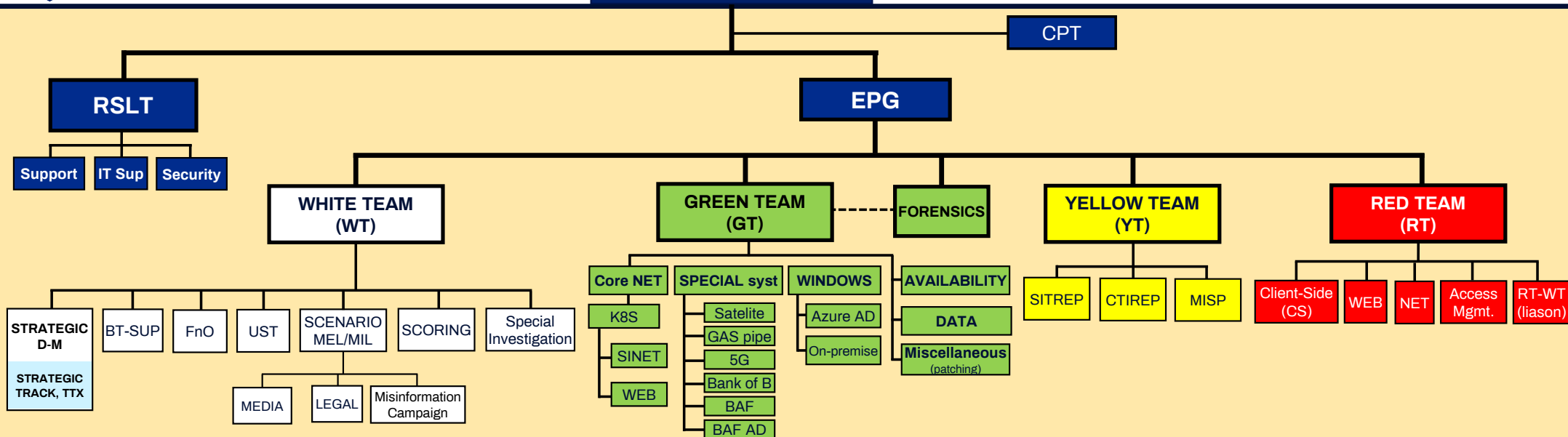
- It is important to practice realistic situations where competent threat actors test the participants
- Exercises are a natural part of the Armed Forces operations
- Can be carried out at different levels, e.g.:
 - Discussion exercises (Tabletop exercises)
 - Technical exercises
- Conducts both own exercises and together with national and international partners
























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- The Swedish Armed Forces led the Swedish team and participated in the exercise management in Tallinn
- Sweden cooperated with Iceland
- Participants came from the finance sector and the sector of electronic communication
- Focus was technical





BLUE TEAMS (BT), "Tech game", 19-20 APR 2023 (18 APR – , "Tech game" test open for BT)

BT 01 	BT 02 	BT 03 	BT 04 	BT 05 	BT 06 	BT 07  	BT 08  
BT 09   	BT 10 	BT 11 	BT 12   	BT 13 	BT 14  	BT 15 	BT 16 
BT 17  	BT 18  	BT 19  	BT 20  	BT 21  	BT 22  	BT 23  	BT 24 

STRATEGIC TRACK TEAMS – ST, 19 APR 2023 (11:00Z–15:00Z / 13:00–17:00 EET)

ST 01 	ST 02 	ST 03 	ST 04 	ST 05 	ST 06 	ST 07 	ST 08 	ST 09 	ST 10 	ST 11 	ST 12 	ST 13 	ST 14 	ST 15 	ST 16 	ST 17 	ST 18 	ST 19 
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SETUP

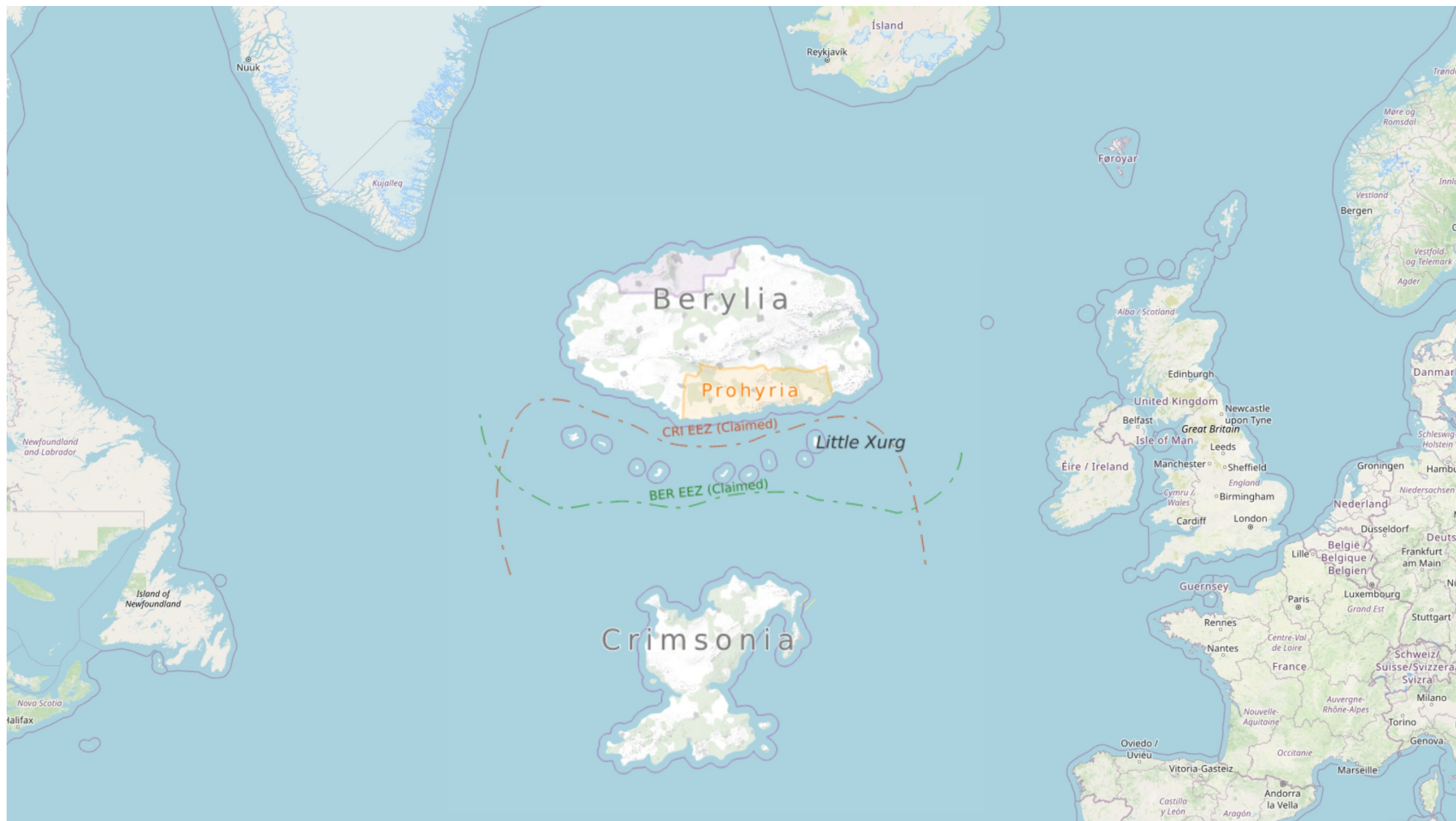
- 24 teams from 38 different countries
- Sweden/Iceland was at LedSS in Enköping
- Three days of preparation
- Two days of exercise
- Each day 8-16 local time
- Points deducted if services are not reachable, additions for good reports and end user support



TECHNICAL BACKEND

- The exercise was run in a crate at the organisation CR14 in Tallinn
- Technical platform
 - VMWare vCenter
 - 30 TB RAM
 - 15700 CPU Cores
 - 5500 Virtual servers
 - 2600 simultaneous VPN-connections







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netnod.se

Greta Garbos Väg 13, 169 40 Solna, Sweden

info@netnod.se