



# COAT Communications Assessment

Christian Carling  
Swedish Defence  
Research Agency

[carling@foi.se](mailto:carling@foi.se)

# The Problem

→ The customers problem

“I need comms”

→ The analysts problem

“What is the contribution of system X to Force Effectiveness?”

→ The methodologists problem

“What is the relation between MoP and MoFE?”

# The Real Problem

❖ "What is a good method we can follow, since we must find out the specific relation separately in each case?"

# On Assessment

- ❖ "The act or result of judging the worth or value of something or someone"
- ❖ Ultimately subjective
- ❖ Context-dependent
- ❖ Our focus: outside, independent role

# New Challenges

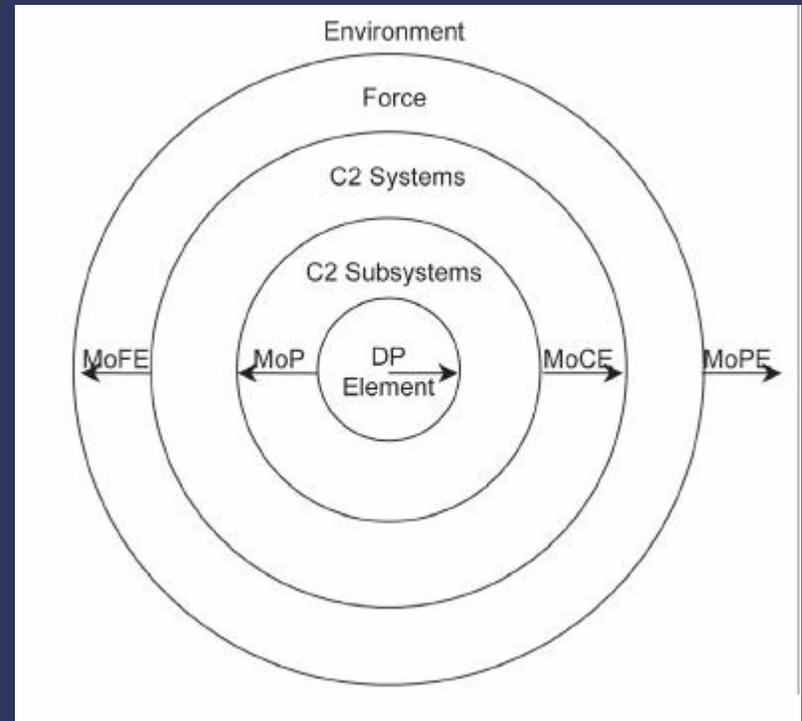
- Integration and networking of C2 systems
- Interoperability requirements
- Larger number of users
- Richer services
- Mobility
- (your own favourite here...)

# COBP for C2 Assessment

- A guiding framework for our efforts

- True to spirit of COBP, with limited scope

- Between DP and MoCE, bridge-head into MoFE



# The COAT Approach

- **Customer dialogue**
- **Planning and preparation**
- Analysis
- **Synthesis**
- Reporting and archiving

# Customer Dialogue

- The System, the Context and the Question
- Prioritised assessment areas, key MoM
- Multiple interviews with Customer representatives and Subject Matter Experts
- What is the purpose of the assessment?
- How will the result be used?

# Planning and Preparation

- Documentation plan
  - Data, assumptions, sources, methods, results
- Quality Control issues
  - Analytical approach, internal/external review
- Military context - scenarios and vignettes
- C2 context – system environment
- Target system modelling

# Synthesis

- All things considered,
  - What is the overall result?
  - How sure are we of that result?
  - How general is that result?
- Does it really answer the question?
- Quality control, assurance
- Qualitative variations

# Pilot Assessments

- Repeated limited objective tests
- Comprehensive yearly tests
- Real systems in realistic scenarios
- Roles and relations
  - Fictive customer and supporting roles "played"
  - Wide range of team expertise
  - Tactical and technical SMEs

# Further Work

- Final test
  - Assessment of communications system for Nordic Battlegroup 2008
- Implementation, dissemination
  - Participation in future studies
  - Training, Education
- Validation, peer-review
- Further development, with new partners

# ORBAT NBG

May 2007

**FCdr**   
**DFCdr** 

**(F)HQ**

  
 50  
 10  
 4  
 3  
 1  
 1  
 1

**GEO**   
 (6)(6)

**CIMI**   
 (3)

**PSYOPS**   
 (17)

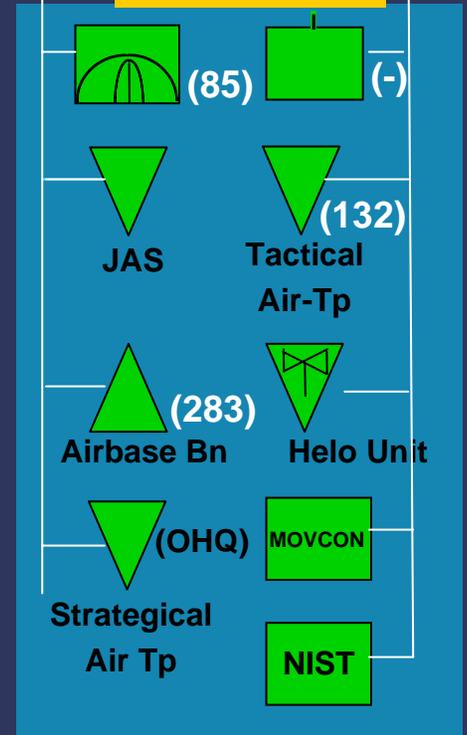
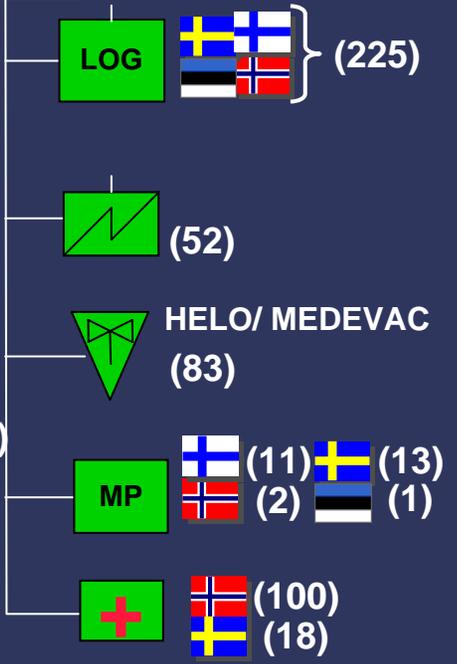
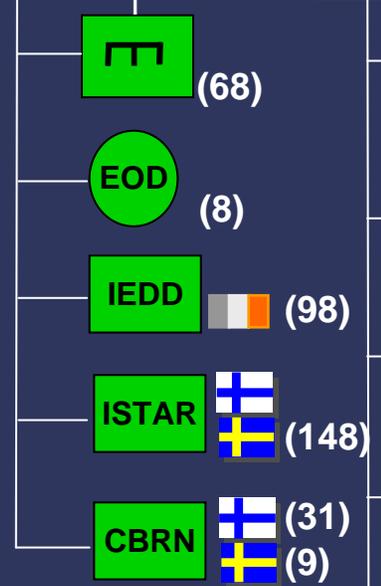
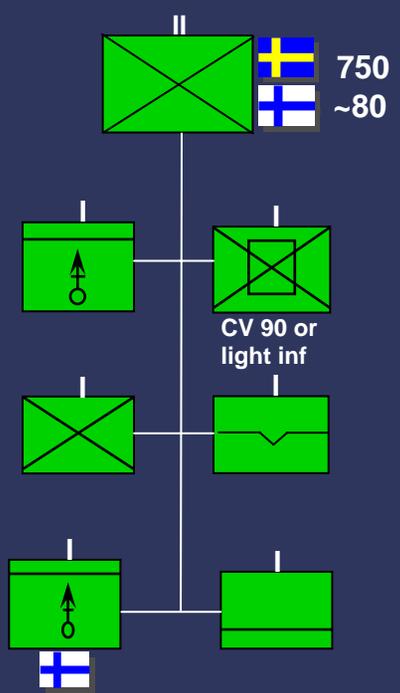
 (17)  
 (107)  
 (~45)

## 41. RRBN

## CS

## CSS

## ENABLERS



**Nordic Battlegroup  
 Force Commander**

*Pol.* Though this be madnesse,  
Yet there is Method in't.