



Breaching operations in cold climate

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FORSVARET



*Ubique quo fas et gloria ducunt
- Where ever duty and honour leads us*

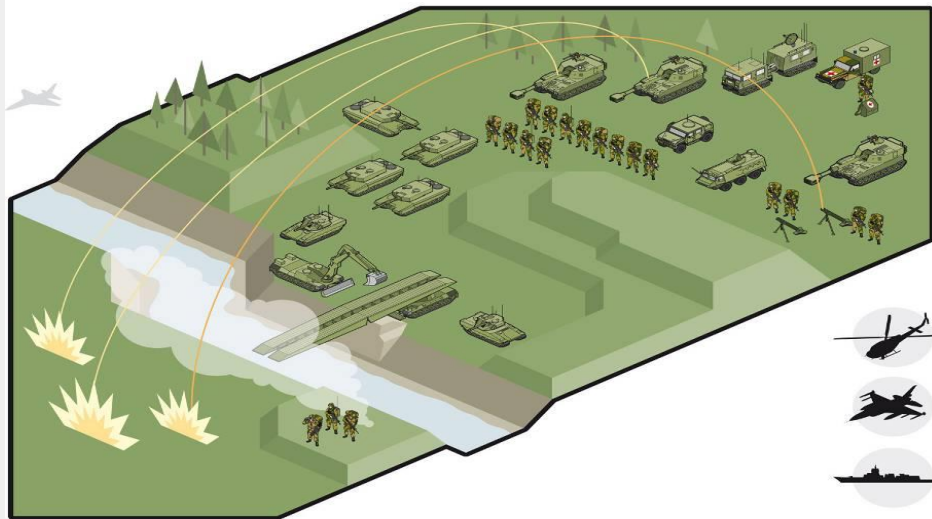
Agenda

- SOSRA and breaching fundamentals
- In depth breaching Minefields
- In depth mechanical breaching
- Time: 20 Minutes



Breaching tenets in cold climate

- Intelligence
- Breaching fundamentals (SOSRA)
- Organization
- Massing of effects
- Synchronization
 - PACE plan
 - Coordination



Breaching fundamentals in cold climate

- Suppress
- Obscure
 - Effect of smoke
 - Weather is often a very good obscuration
- Secure
 - Hampered mobility needs for close coordination
- Reduce
- Assault
 - Maintenance of lane through breachpoint



Breaching Minefields

- Detecting individual mines can be slow in deep snow
- Probing in frozen ground is difficult / impossible
- Time needed to reduce minefield manually generally increases
- Mineplows generally effective against mines placed in snow
 - Ineffective against mines buried in frozen ground
- MICLIC



Breaching mechanical obstacles

- Frozen ground does the breach more complicated
- Time needed to reduce the obstacle mechanical generally increases
- Snow walls cant be both easy and difficult to breach
- Use combat engineers to reconnoitre the obstacle before reducing it.
- There will be less frozen ground close to big trees.
- Mineplows is normally ineffective reducing dug in minefields



Orientation ends Questions?

(10 minutes maximum)



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