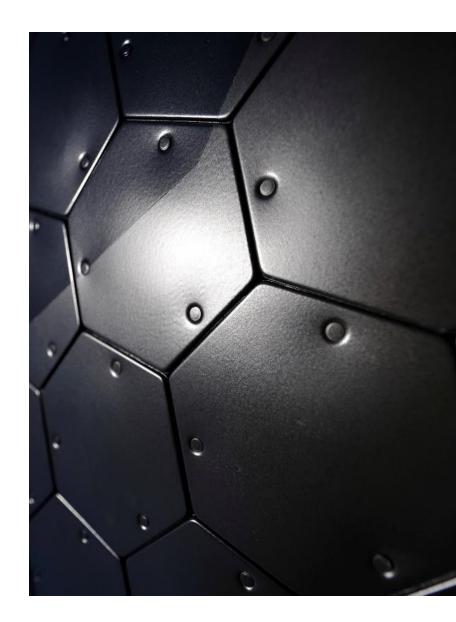
DSEI 2019 The Value of Shared Experiences The CV90 User Group

Dan Lindell Director Combat Vehicles 10 September 2019

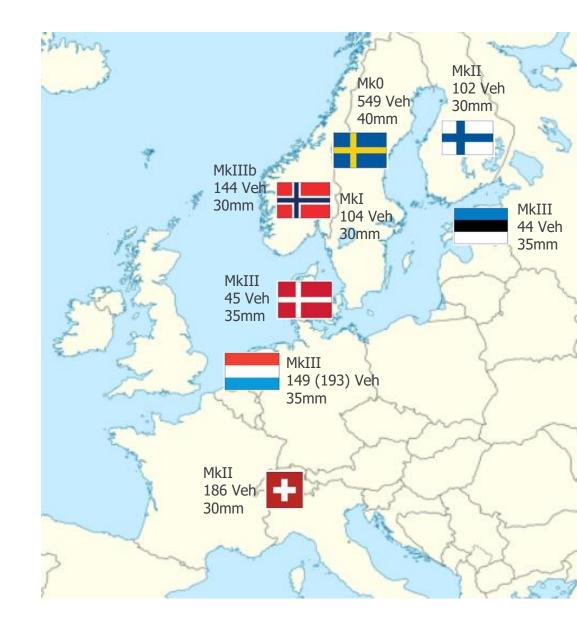
Topics

- Cv90 Family
- Evolutionary Development
- CV90 User Group
 - Why?
 - How?
 - What?
- Achievements



CV90 Overview

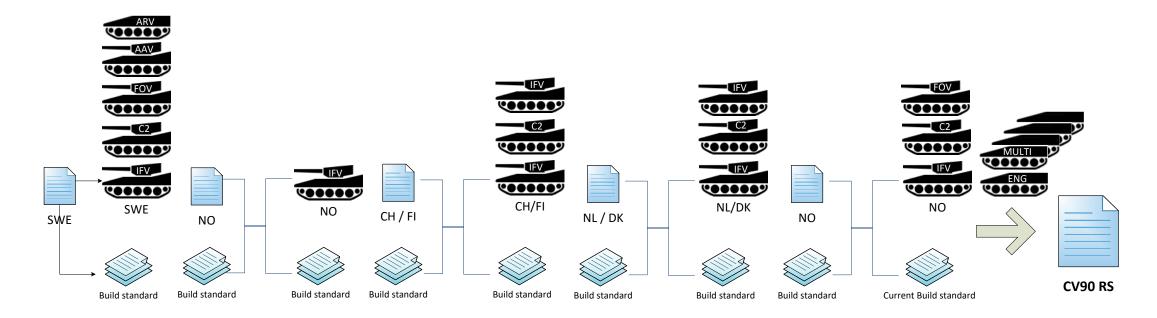
- 7 countries
- 1280 Vehicles
- 70000 days in combat operations
- 4 500 000 R&D hours invested
- 8 000 000 km covered by the fleet





Evolutionary development

CV90 – evolution through delta development



CV90 RS: CV90 Requirement Specification



Why?



- Increase availability
- Reduce support costs
- Share experiences
- Upgrade capabilities







The CV90 Club – User perspective

Increased availability

- Shared Through-Life experience
- Maintenance level harmonisation
- Large scale Prognostics





Reduce support costs

- Common obsolescence planning
- Shared training and simulator facilities
- Spares economy of scale













Sharing experiences

- Tactics
- Operations
- Maintenance











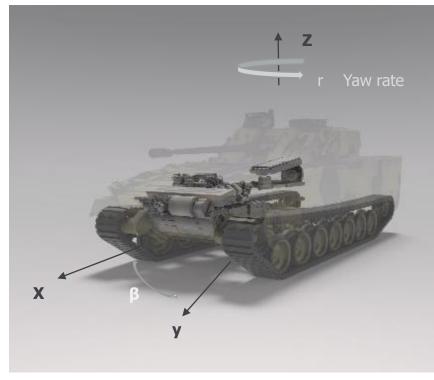
Upgraded capabilities

- Survivability
 - Mine & KE
 - DAS
 - Stealth
 - Hard-kill
- Mobility
 - Rubber tracks
 - Active Damping
 - Upgraded drive train Mk0-MkIV

- Lethality
 - ATGM
 - Target Driven MMI
 - Anti-Air
 - Target Sharing
- Electronic Architecture, Gen 1-4
 - BattleView Sight
 - GVA/NGVA
 - NATO Secret network
 - Combined Arms









CV90 Variants



GRKPBV90 (Granatkastarpansarbandvagn 90) or as we call it: CV90 Mjölner

Design Goals

Simple. Robust. Fierce.

"In peace time only simplicity is possible, in war time not even that".

Move existing mortar system onto CV90 with minimum impact on the external interfaces such as ammunition supply, command structure and fire control.

Increased capabilities:

- Mobility
- Protection
- Deployability
- First round hit probability

Sustained features:

- Stock ammunition
- Retained organization
- Reused Fire Control System



General Performance

- Adaptable protection level
- 56 standard mortar rounds in turret bustle
- Fast to deploy and re-deploy
 - Ready to fire within one minute
 - Ready to scoot immediately after fire
- Rate of fire
 - Initial firing; 4 rounds within 10 seconds
 - Maximum rate of fire; 16 rounds per minute
 - Sustained rate of fire; 10 rounds per minute
- Range
 - Ammunition dependent, approx. 8 km
- Fire Control System
 - Inertial navigation system
 - Traditional sight as backup, under armour
- Manual laying system
 - ±35° in Azimuth
 - 0° to 85° in Elevation
 - Prepared for electric laying system







Summary CV90 User Group

Stronger than ever, ensuring long term fleet relevance and readiness

Kick starter for operational capabilities

A great contributor in securing the European community







