

Swedish Armed Forces



...and the future network based defence systems...



How it started



SWEDISH ARMED FORCES
HEADQUARTERS



SWEDISH ARMED FORCES
HEADQUARTERS

Changed security environment

Changing threats

Non-state actors

- terrorism
- criminal
- cyber

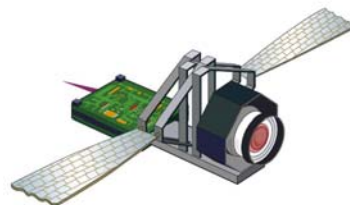
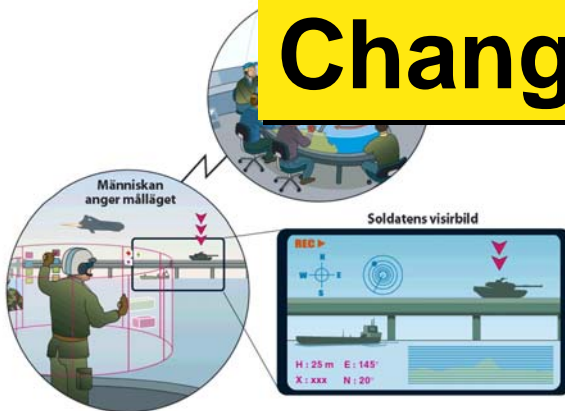
State actors

- access
- scarcity
- spillover conflicts

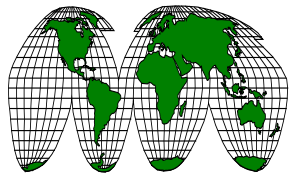
Changing Society

Globalization
Information
Mass-media

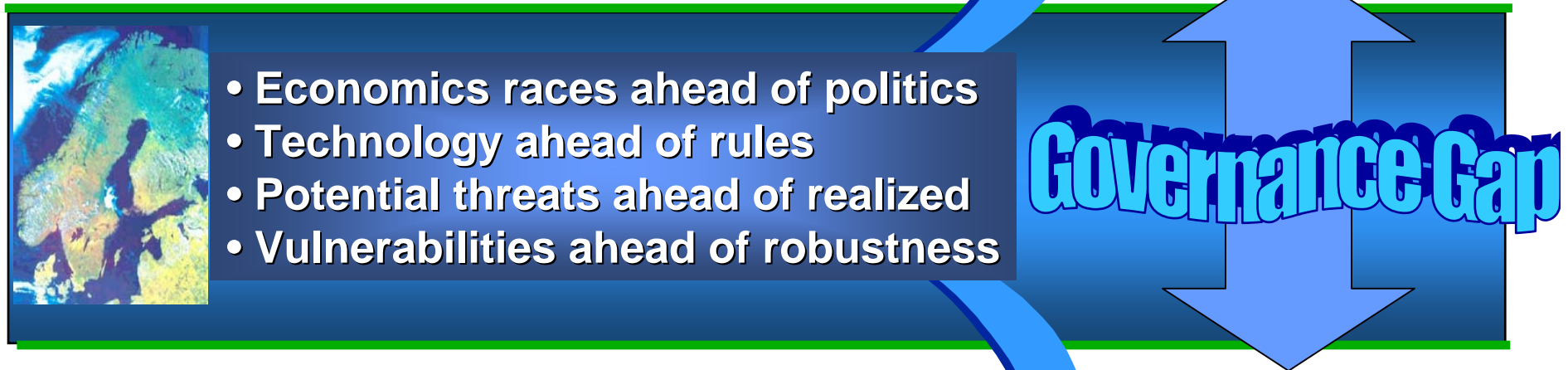
Changing technology



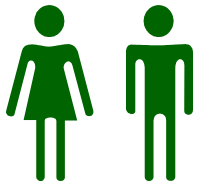
Violence in the Globalization Era



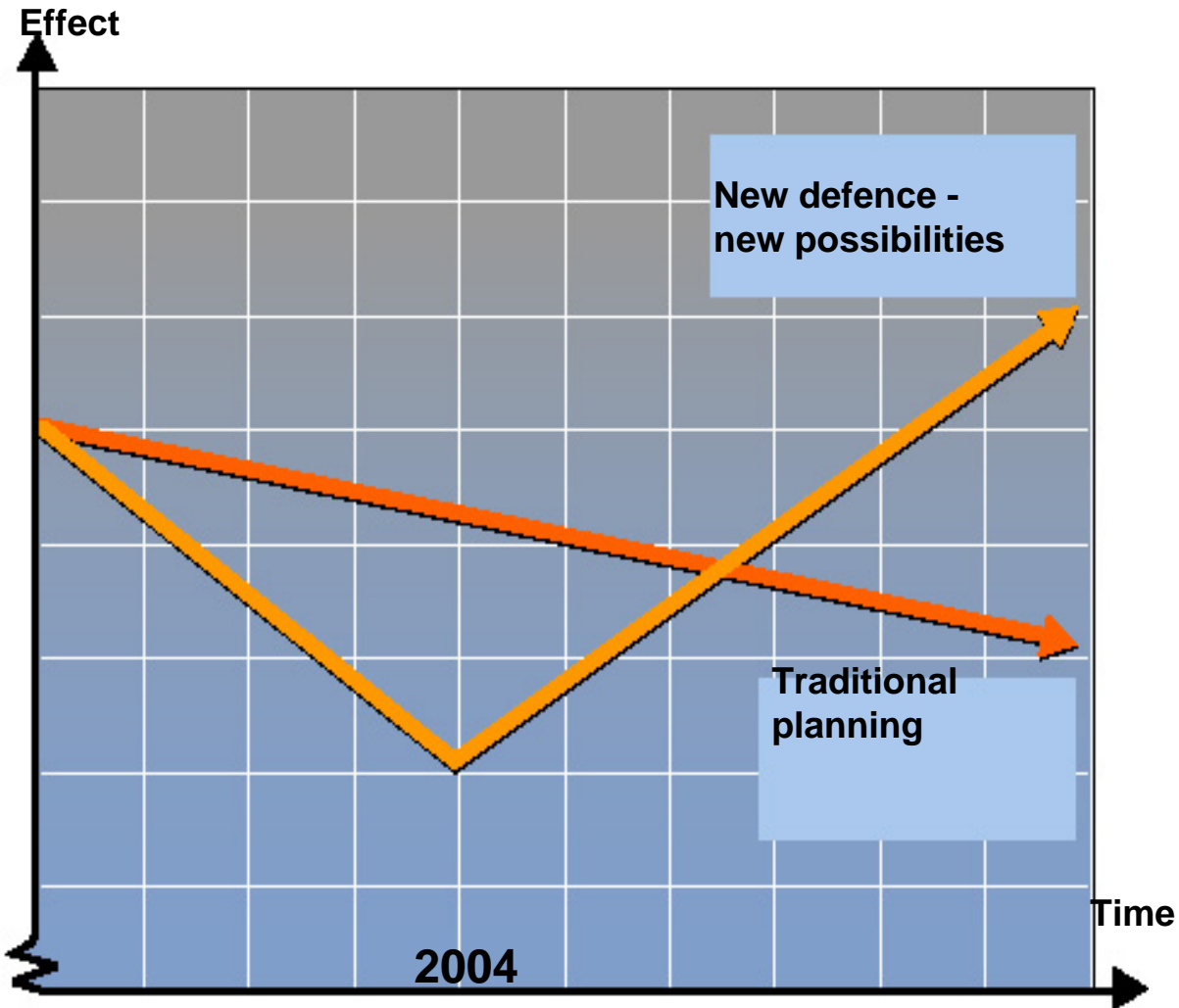
But most of system's power and competition are up here . . .



. . . and most of the violence and “threats” are down here



A strategic opportunity



Dynamic Engagement

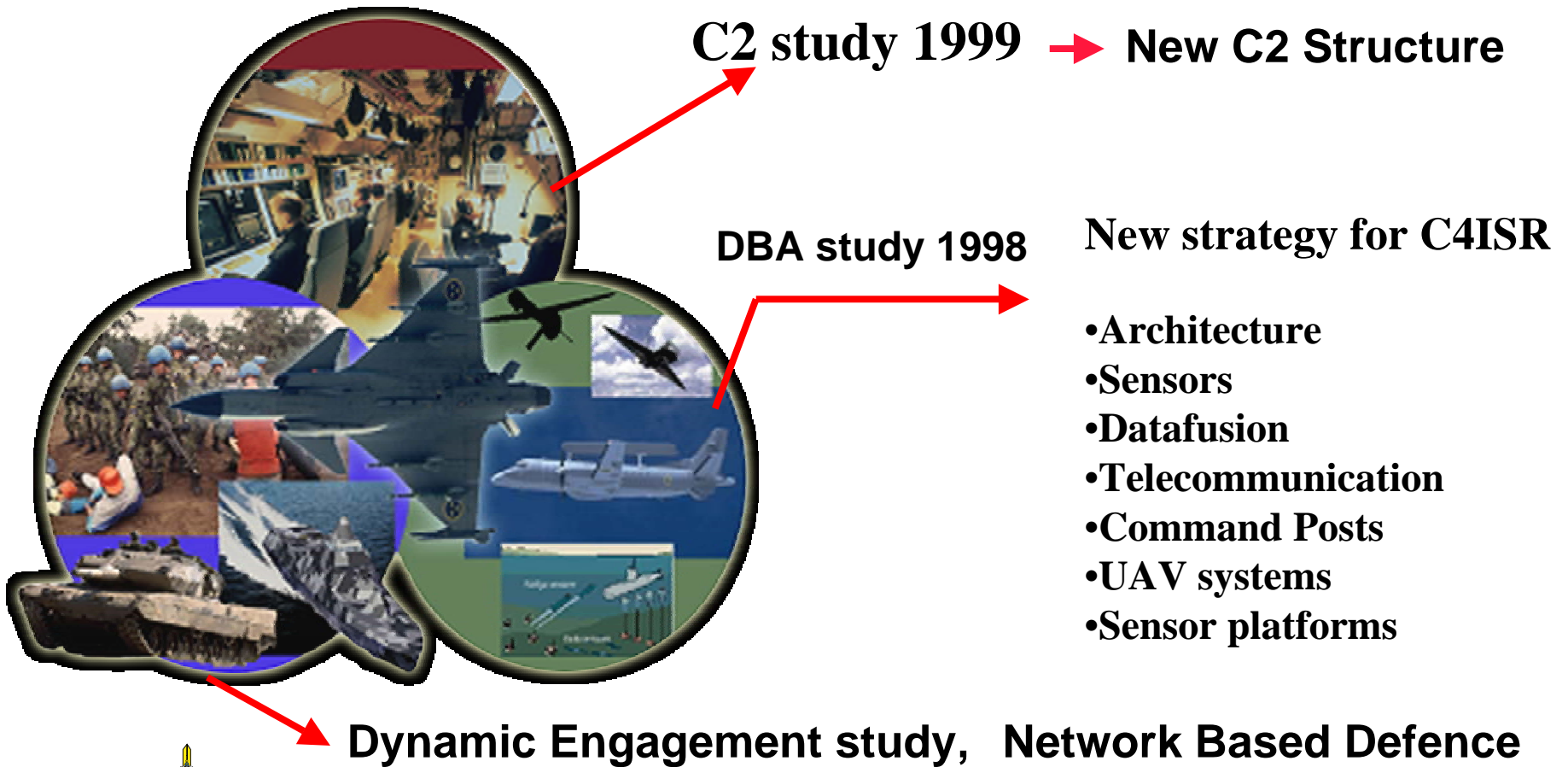
Platform-centric force
Massing Forces



Network-based force
Massing Effects



What We Have Done



Swedish Armed Forces development Strategy

is

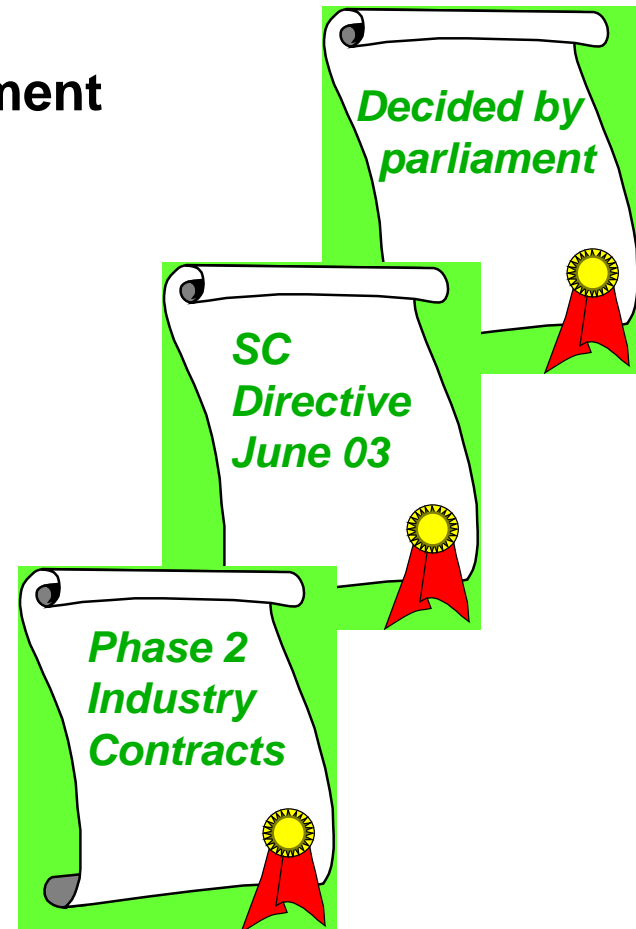
based on Network Based Defence concept

- **Backed up by the Parliament and Government**

- **Supremes Commanders directives and guidelines to the organization**

- **Deliverables 2003-2006**

- Doctrine & C2 methods
- Joint Architecture
- Design principles
- Demonstrations
- Experimentations
- Training & Exercises

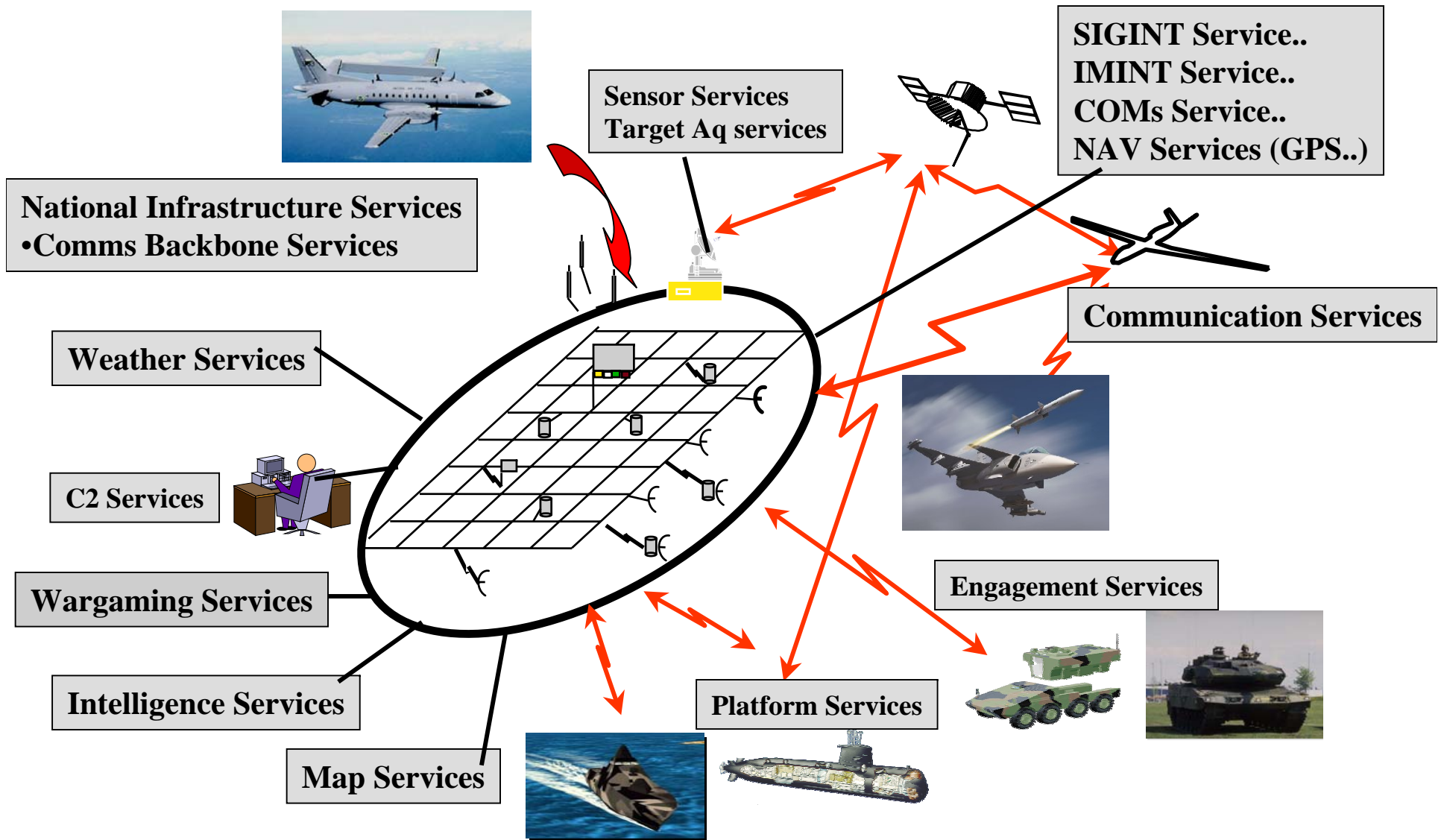


Networked characteristics

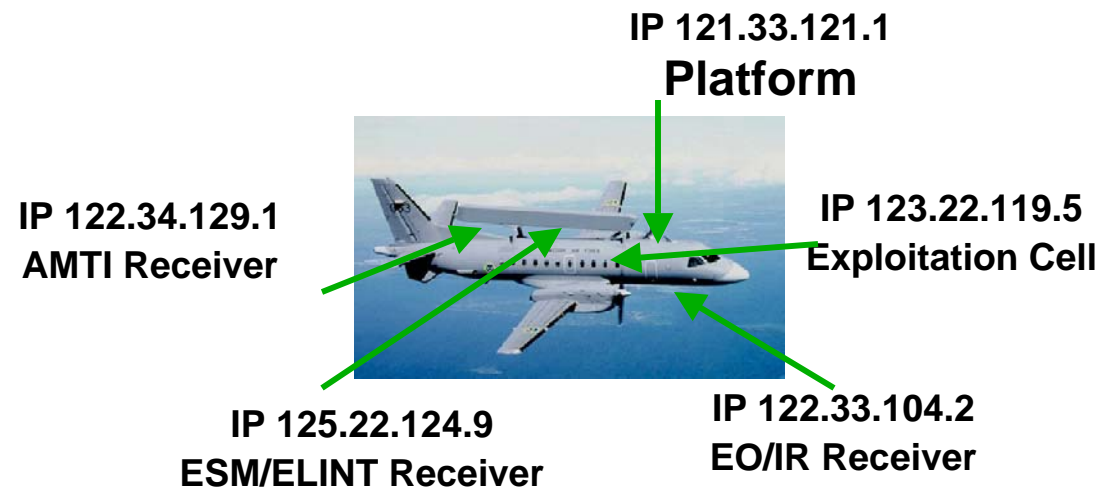
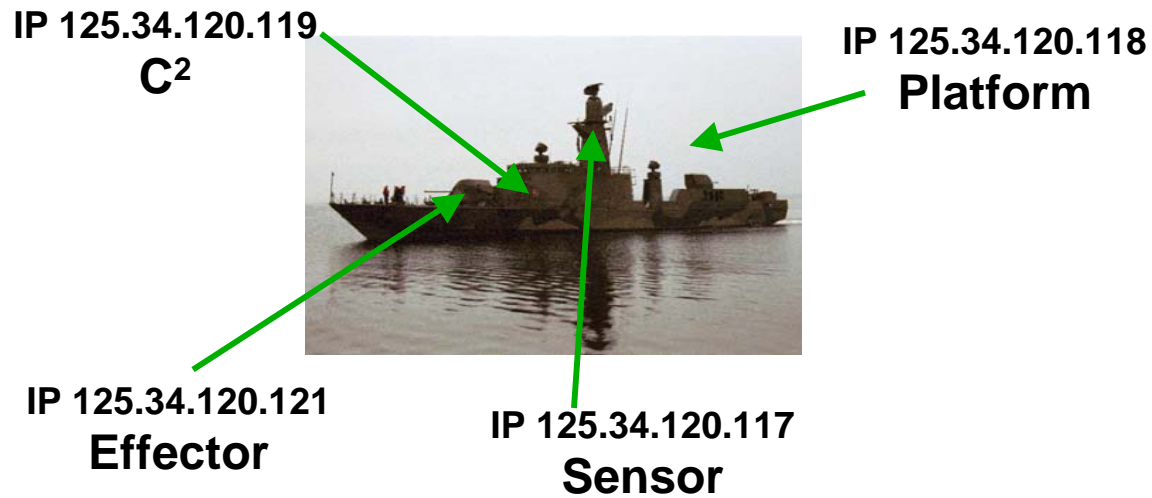
- Distribution of resources for a significantly changed modus operandi
 - **Move information not physical objects**
 - **Create self synchronized systems**
 - **Market behavior – not rigidity**
 - **Value in the combinations and relations not in “things”**
- Create a shared understanding to create innovation



A Service Based Defense Concept

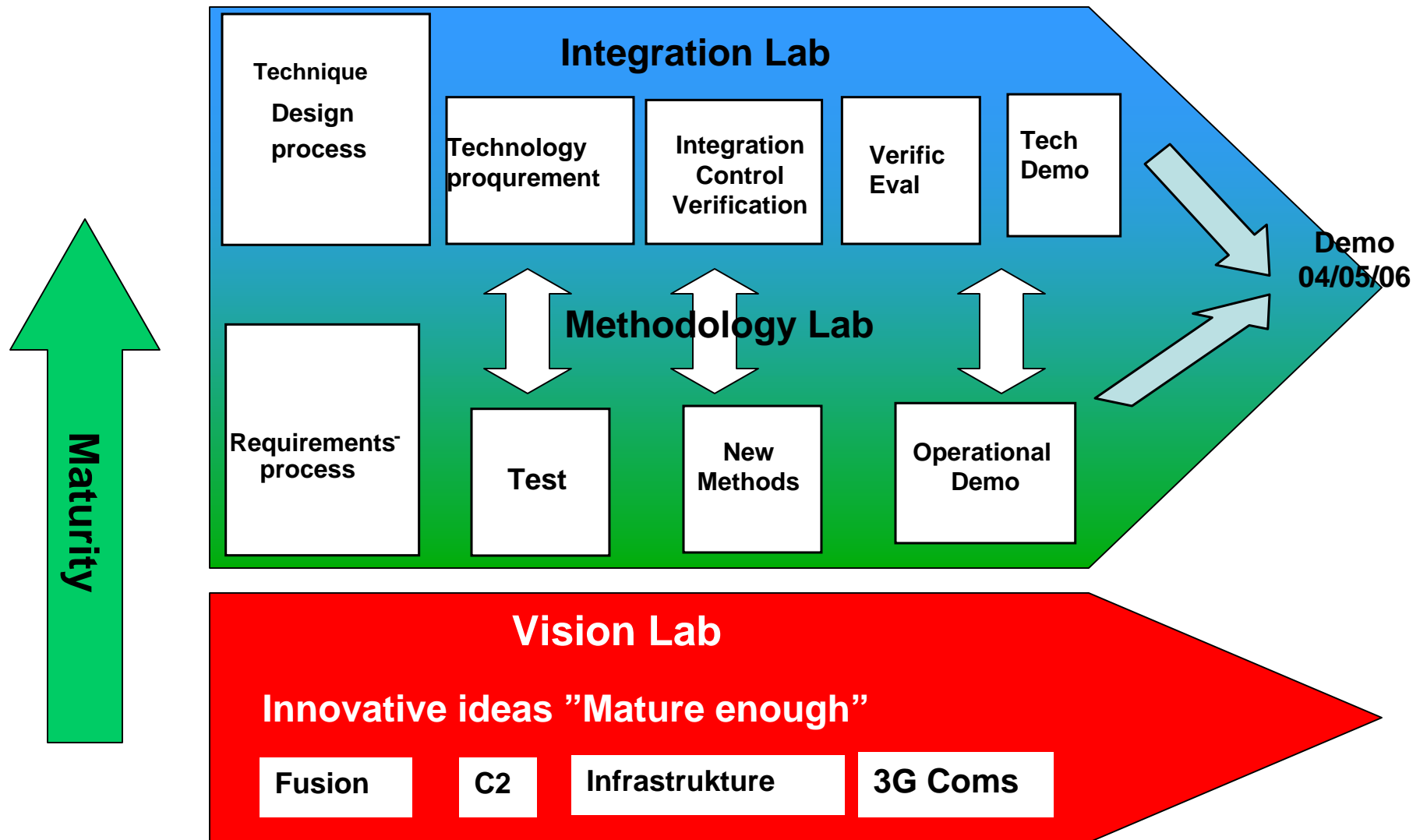


....Individual Addressability to access NBD effects from platform....



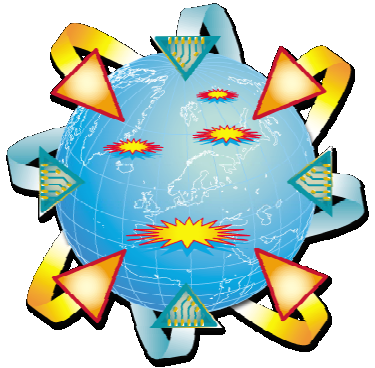
IP Addresses are Notional

Demonstration and Experimentation Building Blocks



Global and Regional Trends for Conflict

*These Trends Demand New Thinking,
New Education, and New Training*



Common Capabilities

Common Forces

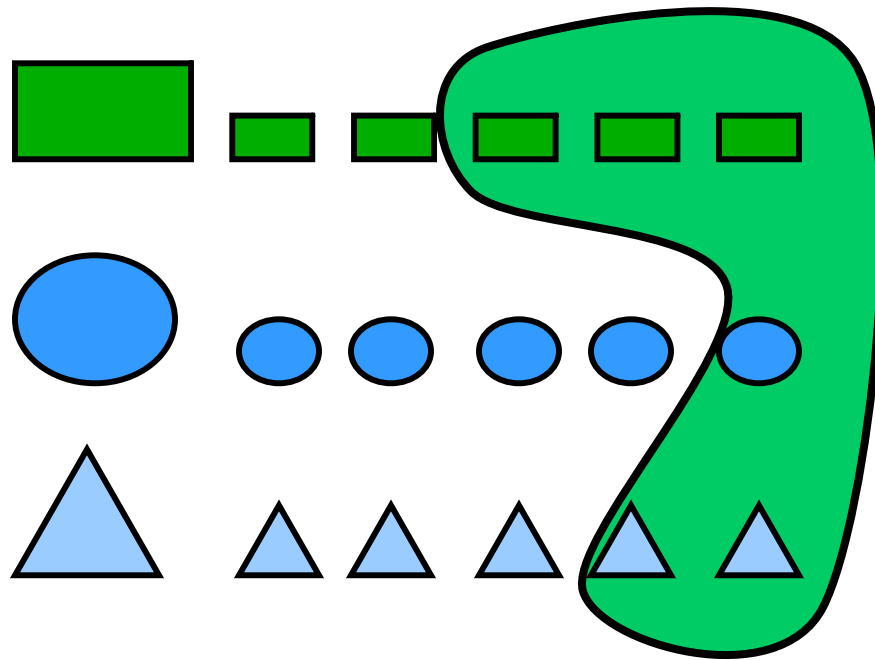
Infosphere Forces

Battlefield Forces

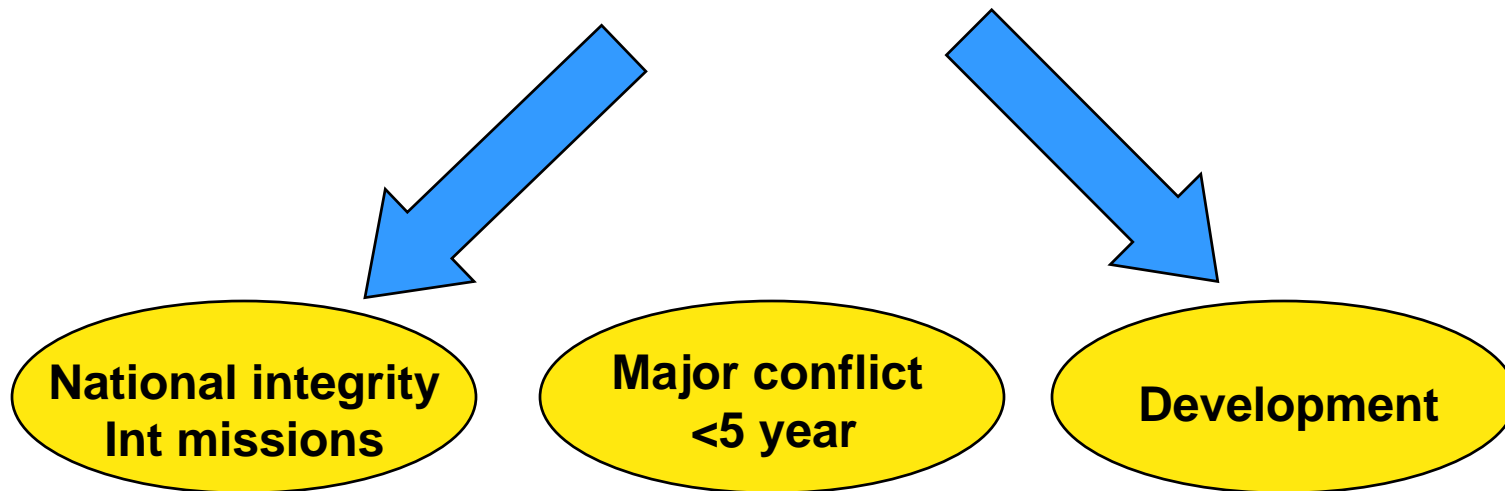
Tailored Effects

Operational Focus

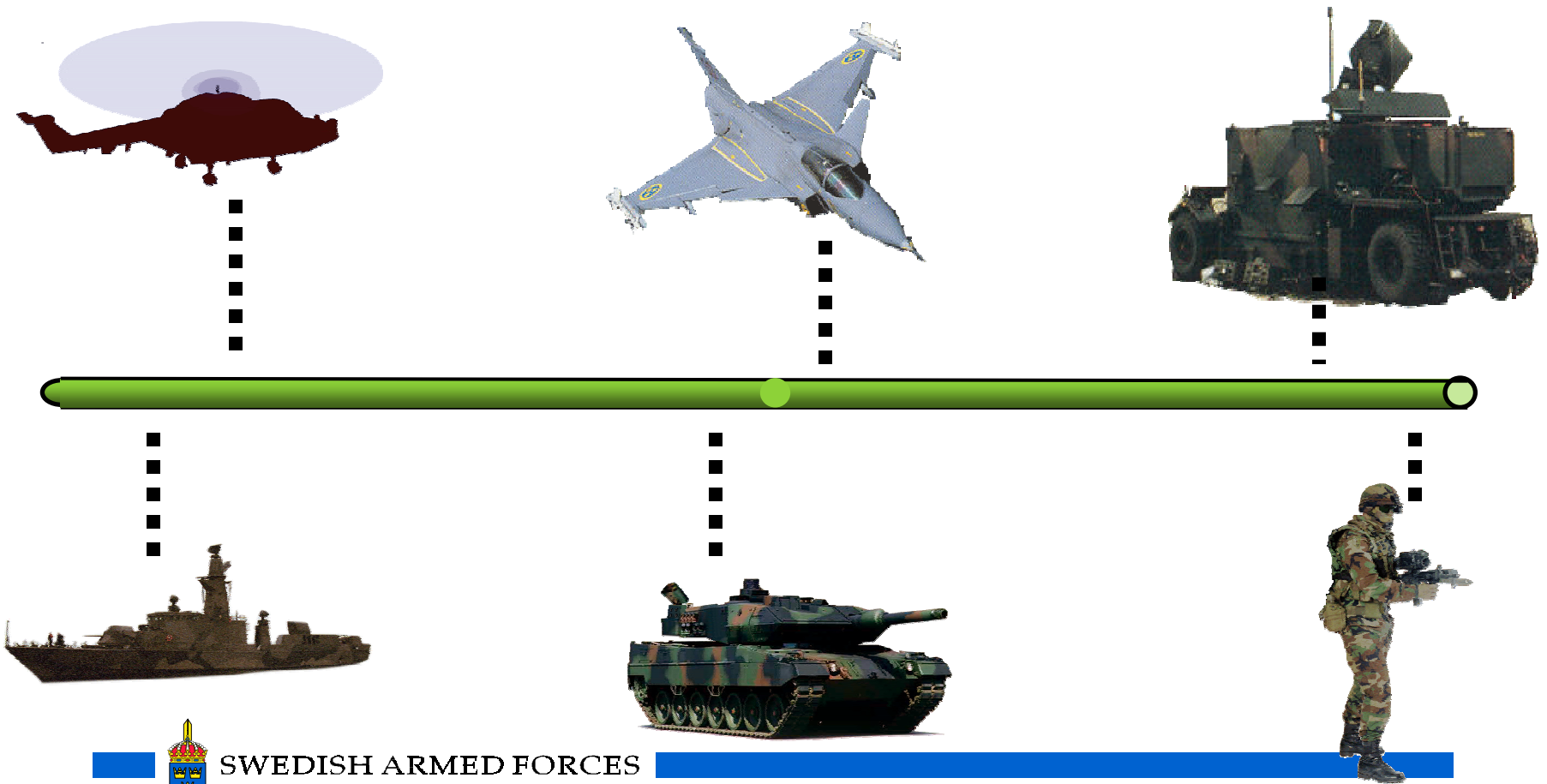
Flexible Joint Taskforces



Future Capabilities

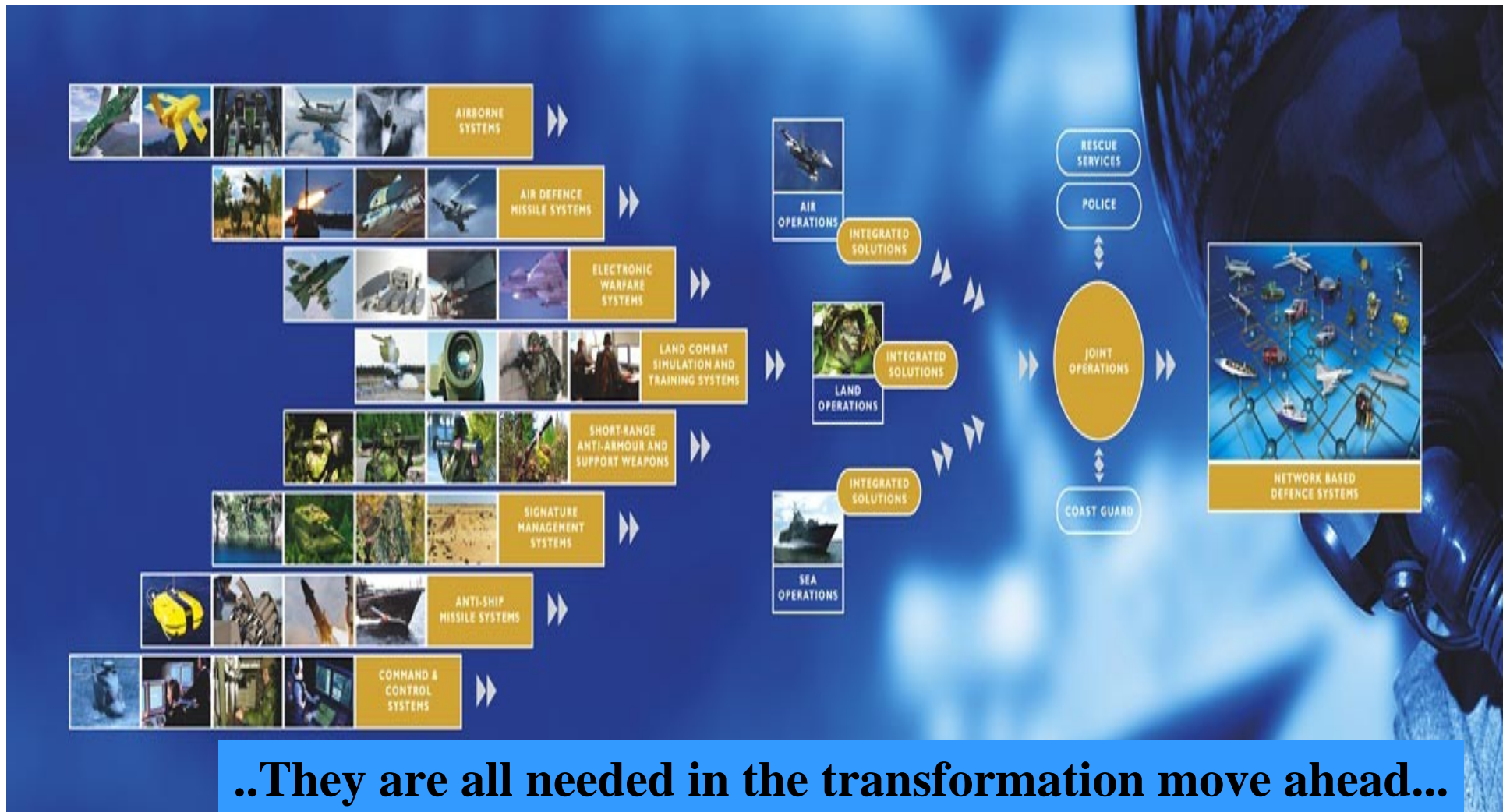


Horizontal integration based on the NBD architecture



SWEDISH ARMED FORCES
HEADQUARTERS

...People, Doctrine, Platforms, Organisation...



SWEDISH ARMED FORCES
HEADQUARTERS





Looking ahead..

NBD

the Swedish method
for creating
flexible forces

**Precision
engagement**

insatser
liktskalan.

**Inter-
operability**

**Decision
superiority**

multipartets.

**Överlägsen
En gemensam
pro...
awareness**

It is about people enabled by technology

Thankyou

**Continuous and
rapid development**

...Staying ahead