



US

Sweden

Then

Strategic

Technology

Co-operation

Now

Interoperability/coalition
Technology

Interoperability/coalition
Technology



US/SW Agreements

**MoU Committee
SNR**

**MIEA 1997
Exchange R&D
Information**

**TRDP 1997
“Projects”**

**ESEP 1992/98
Exchange Engineers
and Scientists**

Gov-Gov Agreement 1952

**MoU 1962
DoD-FMV
(SNR)**

**Protection of
Information 1981
(Security)**

**MoU
1987
DoD-Fö
(Trade)**

10/15/2003

Lars Jäderblom

**Declaration of
Principles, 2003**



Declaration of Principles for Enhanced Cooperation in Matters of Defense Equipment and Industry

- Harmonization of Military Requirements and Acquisition Processes
- Research and Development
- Meeting Security of Supply Requirements
- Sales and Export Procedures
- Security of Information
- Ownership and Corporate Governance
- Technical Information
- Promoting Defense Trade



Steering Committee, MoU

	SNR Army	SNR Navy	SNR AF
SNR C4I			
SNR S&T			
		<i>Tools!!</i>	

- IEA (Information Exchange agreements)
- PA (Project Agreements)
- Exchange Programs Engineers



Overall Status, SNR Navy

Existing DEA/IEA

- 16 DEA/IEA under MIEA (2 expired)
- 1 Proposed IEA (Surface Warfare)
- Proposed change in “Way Ahead”

Project Agreements (PA) under TRDP

- LCS/ YS Ny (Surface Combatants) (Proposed)
- IR Measurements (Proposed)
- Underwater Warfare (Torpedoes) (Proposed)



Way ahead, Navy

Possible areas of enhanced cooperation

- **Network Centric Warfare**
 - Implementation
- **Next generation Surface Combatant Ship (LCS and YS NY)**
 - R&D and S&T demonstrator program
- **Marines**
 - Transformation in US and Sweden on Extreme Littoral Warfare Capabilities
- **Sensor Systems and Sensor Fusion**
 - Development
- **Multifunctional Antenna Systems**
 - R&D and development
- **Link 16 and Ra 90**
 - Navy to Navy implementation
- **MCM Concepts**
 - R&D and development
- **US SSG and Swedish Study Group**
 - Exchange on implementation of Network Centric Warfare



SNR (Army) Status

Existing DEA/IEA

- 15 DEA/IEA under MIEA
- 3 Proposed IEA

Project Agreements (PA) under TRDP

- TCM (/XM982)
- M&S of C41 Sensor & Survivability Technology PA
- Environmental Toxicology of Chemical Warfare Agents (Proposed)

Field Army air defense Weapons
Equipment and materiel for defense against CBR Warfare
Armored Combat Vehicles
Communications and data processing for the field Army
Camouflage
Armor Defeating Ammunition and Countermeasures
Artillery and Mortar Weapon systems and munitions
Counter barrier Warfare
Mine Laying systems and land mines
Combat Clothing and related individual equipment
Proving Ground Techniques
Vulnerability, Lethality Methodology and Assessments
Night Vision and Electronic Warfare Issues
Power Sources
Modeling and Simulation R&D



SNR (Army) Planned

Next SNR (A) proposed in USA Spring 2004:

Goals:

- Review Sweden and US Future Procurement/ Transformation Plans
- Sign Environmental Toxicology PA
- Status of TCM PA and TCM MOU (if applicable)
- Amend M&S of C4I PA
- Sensors IEA proposal status
- Mine, Countermine and Demolition Technologies IEA proposal status
- Battlefield Management Systems IEA proposal status
- Discuss other opportunities for Cooperation:
 - ETC Gun
 - New Carl Gustaf Antitank Ammunition

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SNR (Air Force) Status

Existing DEA/IEA

- 6 DEA/IEA under MIEA

Latest meeting Aug 2003



SNR (Air Force)

Way ahead

MoS FOI/FLSC and AFRL/Mesa

Pulse detonation engine

Fuel cells

Micro scale secondary flow

(Datalinks and NBD)

Technology/ Operational/ Industry



SNR (C4I) Status

Existing IEA

- 5 IEA under MIEA

Communications Systems
Information Assurance
Information Systems
Strategic Management Systems
Architecture and Process

Project Agreements (PA) under TRDP

- No existing PA

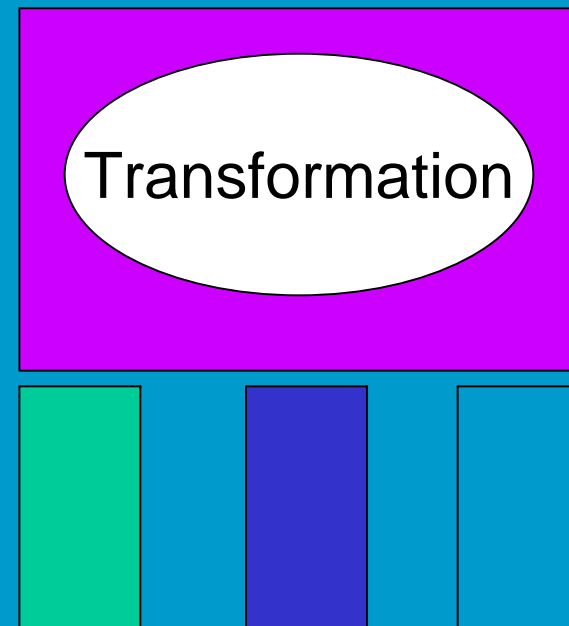
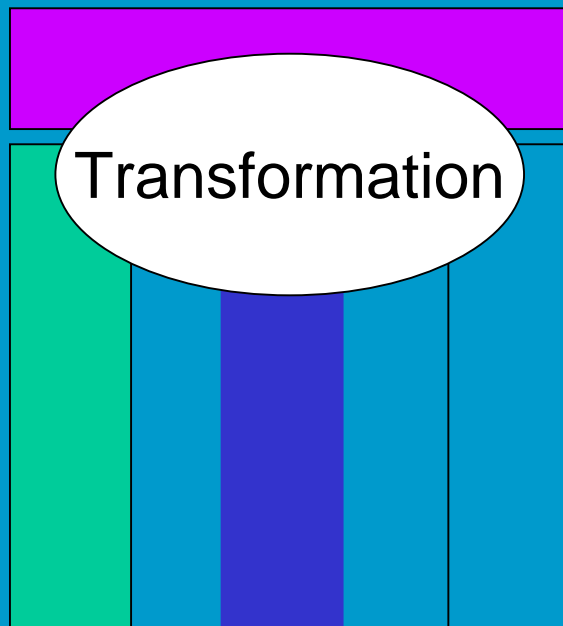


SNR (C4I) Planned

- **Network Centric Warfare (DEMO 05)**
- **Interoperability – further discussions**
- **Coalition Interoperability through Standard-Based Simulation Environment (CISE)**



Transformation





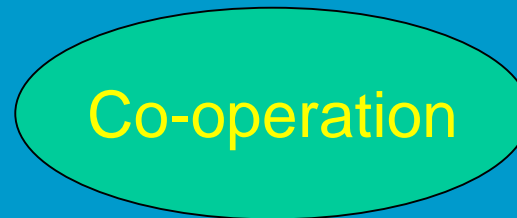
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