European Industrial Co-operation

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Chairman Steering Committee
CEPA-11

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**European Industrial Co-operation**

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**ABSTRACT**

**SUBJECT TERMS**

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I am Col Jaap de Die, working in the RNLA in the Directorate of Procurement. My department is taking care of the Simulation and Training Systems. I am also the national representative in the NMSG.

I am grateful to have the opportunity to give a presentation. I and my Steering committee are welcoming the new initiatives of Panel II.

For many years CEPA-11 is using and updating its strategy but I didn’t receive any reaction from the RTMC or the Panel in those years about the strategy paper.

I would like to introduce Mr Fokko de Boer. He is my co-partner as the chairman of the industrial group of CEPA-11. He is working in a Dutch industry named Dutch Space former called Fokker Space.
WEAG Panel II Structure

West European Armaments Group
National Armament Directors of 15 nations

PANEL II
Research & Technology Management Committee

WEAO
Research Cell
Brussels

CEPA-1
Radar

CEPA-4
Modular Avionics

Steering Committee
CEPA-11
Modelling & Simulation

CEPA-15
Missile, UAV and Robotics

CEPA-16
Electrical Engineering
PROCEDURES

- **EUCLID**
  - official - requirements pull

- **EUROFINDER**
  - industry - technology push

- **THALES**
  - official initiative - laboratories
EUROFINDER - EUCLID

EUROFINDER

- Bids prepared by industry
- Formulation of national views on programme and budget
- Selection of winner
- Selection of winner
- Contract let

EUCLID

- Projects from government needs
- RFP preparation
- Selection of winner

common steps
CEPA-11 Vision

- Define, prioritise and allow the demonstration of modelling and simulation technologies that can cost effectively fulfil European military and other defence needs and requirements by providing the best state of the art technology.
CEPA-11 Goals

- Maintain the leadership in developing European M&S research collaboration
- Enhance the relationships between national and European M&S research
- Stimulate partnership in Europe to promote investments in simulation based applications
- Stimulate defence industries and encourage industry/government collaboration
- Promote the progress in M&S technologies
CEPA-11 Research Topics

- Methodologies
- Low Cost Simulators
- SBA
- VV&A
- Embedded training
- Synthetic Forces
- Networked Simulation
RTP 11.12
Simulation and visualisation of

- virtual BVR air combat scenarios
- with on-board computer generated targets (CGFs)
- their detection and targeting with on-board simulated own weapon system (sensors and weapons) to include
  - ECM / EPM and
  - Ground - Air - Threat (SAM)
- Initially for fighter aircraft (adaptation to A/G later on)
- in known operational MMI (HUD, HDD, HOTAS)
The AerMacchi MB 339 CD
RTP 11.13 addresses the development of **Distributed Simulations**

This briefing addresses a security issue which CEPA11 group may be able to advise on.

It starts with a short introduction of the RTP11.13 study and the selected development approach for Synthetic Environments.
11.13 Security Repository Population

User view repository

Repository & its Population

[Map of Europe with connections indicated]
We will see:

Repository(ies) populated with

Unclassified Information
Classified Information

For all Users to See and Use for the development of SE’s (depending on their Access Rights)
SEDE CONCEPTUAL FRAMEWORK
(Synthetic Environment Development Environment)

1. Analyse User’s Needs
2. Define Fed. User Requirements
3. Define Fed. System Requirements
4. Design Federation
5. Implement Federation
6. Integrate & Prepare Federation
7. Execute Federation
8. Evaluate Results

Repository

SE Management Tool
European Industrial Co-operation

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