NCI Agency - Directorate Air and Missile Defence Command and Control

Capability Priorities and Business Opportunities in the Area of Air Command and Control and Missile Defence

Sources Sought – Industry Participation in next Phase of AMDC2 Programmes
Air and Missile Defence Command and Control (AMDC2)

“Providing C2 Services and Systems for Air Superiority of NATO and Nations”

Striving jointly with the Ballistic Missile Defence Directorate towards Integrated Air and Missile Defence, Command and Control
Air and Missile Defence Command and Control

351 staff (MIL/CIV)

80 contractors

3 locations

Main location in The Hague, Netherlands and Glons, Belgium -> consolidation in The Hague by end 2018

Delivering to and supporting over 600 user sites throughout NATO and Partner Nations

±40.000.000 EURO Annual financial revenue

Annual management of ±220M of investments

Portfolio of over 100 projects

In support of external customers
24/7 Standing NATO Mission requires Dedicated Professional Support

Real Time Processing for Air and Missile Defence paired with NATO-wide Air Planning requires Specialized Services

Cost effective and efficient using Industry best practice and NCI Agency experience
Integrated Air and Missile Defence Roadmap

- Interim AirC2
- Interim TBMD
- ACCS IOC
- BMD IOC
- Integrated AD/MD&C2
- IAMD Service in the NATO Cloud

Timeline:
- 1995
- 2000
- 2010
- 2015
- 2016
- 2019
- 2025

Support & Maintain

- Bespoke Systems
- Bespoke SW COTS HW
- Layered Architecture COTS Infrastructure
- Open Architecture Services Infrastructure
- Weapons System in the Cloud
Integrated Air & Missile Defence (IAMD) Operational Sites 2020 – 2025 based on ACCS

NATO Command Structure sites:
- HQ AIRCOM (Air Policing Cell, BMDOC, SADC Back Up, Main JFAC)
- North Region CAOC: SADC / D-AOC
- South Region CAOC: SADC / D-AOC
- DACCC (incl. JFAC Training): D-AOC, DARS

NATO Force Structure sites
- Validation procurement
- Replication procurement
- ASBE procurement
- National procurement

ACCS IAMD footprint
- 40+ instances
Roadmap:
- Sources Sought
- AirC2 Industry Conference
- Bilateral engagements
- Competitive Environment
Summary

• Directorate AMDC2 responsible for:
  • Air Command and Control capabilities for NATO and Nations
  • Delivering AirC2 capabilities to NATO Ballistic Missile Defence

• The Agency is on the road towards IAMD Services in the NATO Cloud
  • Specialized Large Data and Real Time Applications
  • Using Industry Best Breed Cloud Infrastructures

• In close cooperation with Industry towards competition
AMDC2 Business Opportunities

- Air Command and Control System (ACCS) – In Service Support
- Capability Package (CP) 5A-0109 Addendum 2 – ACCS Software Based Elements
- CP 5A-0109 Addendum 3 – Site Installations
- CP 0A-1303 ACCS for Ballistic Missile Defence (BMD)
- CP 0A-1303 AirC2 Information Services (IS) for BMD
- CP 9C-0107 AirC2IS Increment 2
- CP 5A-0109 Addendum 4 & 5
- Single European Sky ATM Research Implementation
NCI Agency Role

Air and Missile Defence Command and Control:

• Ensures the harmonized planning, implementation, evolution and support of the NATO Air Command and Control capability, related Missile Defence capabilities and legacy AirC2 assigned programmes;

• Provides full life cycle management of the AirC2 core and the peripheral, legacy and interim solutions from locations in The Hague, Glons, and Brussels.

• ISO 9001:2015 certified organization.
ACCS In Service Support

Opportunities:
- Provide in service support to the ACCS entities (competition)

Scope:
- Customer support including first line support, second line support, warranty and delivery
- Operational support including system status and statistics, interoperability, liaison, management of operational database
- Engineering including system, safety, security, software, data, hardware, bearer communications and network, deployable equipment, obsolescence and documentation

Status:
- Capability Package approved by NAC
- Support from Industry was included in the financial authorisation in 1999 to facilitate transition

Key Project Data
- **Project:** Capability Package 5A0109
- **Funding Range:** €20M per year
- **Timeline:** 2020 - 2024
- **POC:** Colonel Bernhard Broecher
  - Phone: +32 4 289 9200
  - Email: Bernhard.broecher@ncia.nato.int
ACCS Software-Based Elements

Opportunities:

- To extend the ACCS implementation to 11 additional Nations (sub-contracted)

Scope:

- Procurement of COTS Software, Hardware, Voice Communication Systems (VCS), Link 11 equipment, cryptographic material and implement minor adaptation civil works
- Wide variety of procurement methods which are dependent on the Host Nations’ preference for International Competitive Bid (ICB), National Competitive Bid (NCB), Basic Ordering Agreement (BOA) and/or sole source for different parts of projects

Status:

- Cost Estimates for VCS & Civil Works approved
- Strategies for implementation of C2 part under analysis

Key Project Data

- **Project:** Capability Package 5A0109 Addendum 2
- **Funding Range:** €110M (75% NATO common and 25% national funding)
- **Timeline:** 2017 - 2025
- **POC:** Dr Tibor Papp
  - **Phone:** +31 (0) 70 374 1841
  - **Email:** tibor.papp@ncia.nato.int

NCI Agency
Capability Package 5A0109 Addendum 3

Opportunities:
• ACCS adaptation to implement the new NATO Command Structure (sub-contracted)

Scope:
• To include a wide variety of procurement methods including Basic Ordering Agreement (BOA), International Competitive Bid (ICB), National Competitive Bid (NCB) and/or sole source for different parts of projects

Status:
• Capability Package approved by NAC

Key Project Data
Project: Capability Package 5A0109 Addendum 3
Funding Range: ~ €225 M
Timeline: 2017 onwards
POC: Mr François Bocle
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Capability Package 0A1303 Rev1 ACCS BMD1

Opportunities:
• ACCS adaptation for Territorial Ballistic Missile Defence (competition)

Scope:
• Real Time and Non Real Time adaptations to the Air Command and Control System (ACCS) and the Defence Design System (DDS)

Status:
• Capability Package approved by NAC
Capability Package 0A1303 Rev1 ACCS BMD2

Opportunities:
• ACCS adaptation for Territorial Ballistic Missile Defence (competition)

Scope:
• Real Time and Non Real Time adaptations to the ACCS and the Defence Design System (DDS)
• Site adaptation and installation

Status:
• Capability Package approved by NAC
Capability Package 0A1303 Rev1 AirC2IS BMD1

Opportunities:
• Air Command and Control Information System (AirC2IS) adaptation for Territorial Ballistic Missile Defence (competition)

Scope:
• Software enhancements to AirC2IS for Territorial Ballistic Missile Defence
• Site installation

Status:
• Capability Package approved by NAC
Capability Package 0A1303 Rev1 AirC2IS BMD2

Opportunities:
• Air Command and Control Information System (AirC2IS) adaptation for Territorial Ballistic Missile Defence (competition)

Scope:
• Software enhancements to AirC2IS for Territorial Ballistic Missile Defence
• Site installation

Status:
• Capability Package approved by NAC

Key Project Data
Project: Capability Package 0A1303REV1 ACCS BMD2
Funding Range: ~ €30 M
Timeline: 2020 onwards
POC: Mr Christophe Gallard
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Email: Christophe.gallard@ncia.nato.int
Capability Package 9C0107 AirC2IS Inc2

Opportunities:
• Air Command and Control Information Services (AirC2IS) enhancements for AirC2 and Air Defence (competition)

Scope:
• Enhancements to AirC2IS for AirC2 and Air Defence

Status:
• Capability Package approved by NAC

Key Project Data
Project: Capability Package 9C0107 AirC2IS Increment 2
Funding Range: ~ €20 M
Timeline: 2018 onwards
POC: Mr Christophe Gallard
Phone: +31 (0) 70 374 1845
Email: Christophe.gallard@ncia.nato.int
Summary

Opportunities:
• Air and Missile Defence related Enhancements and Support to AirC2 capabilities including ACCS & AirC2IS

Status:
• Capability Packages approved by NAC
• Funding Total: ~ €900M
• Timeline: 2018 - 2025