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# Enterprise Architecture in DGA

Régis Dumond

DGA

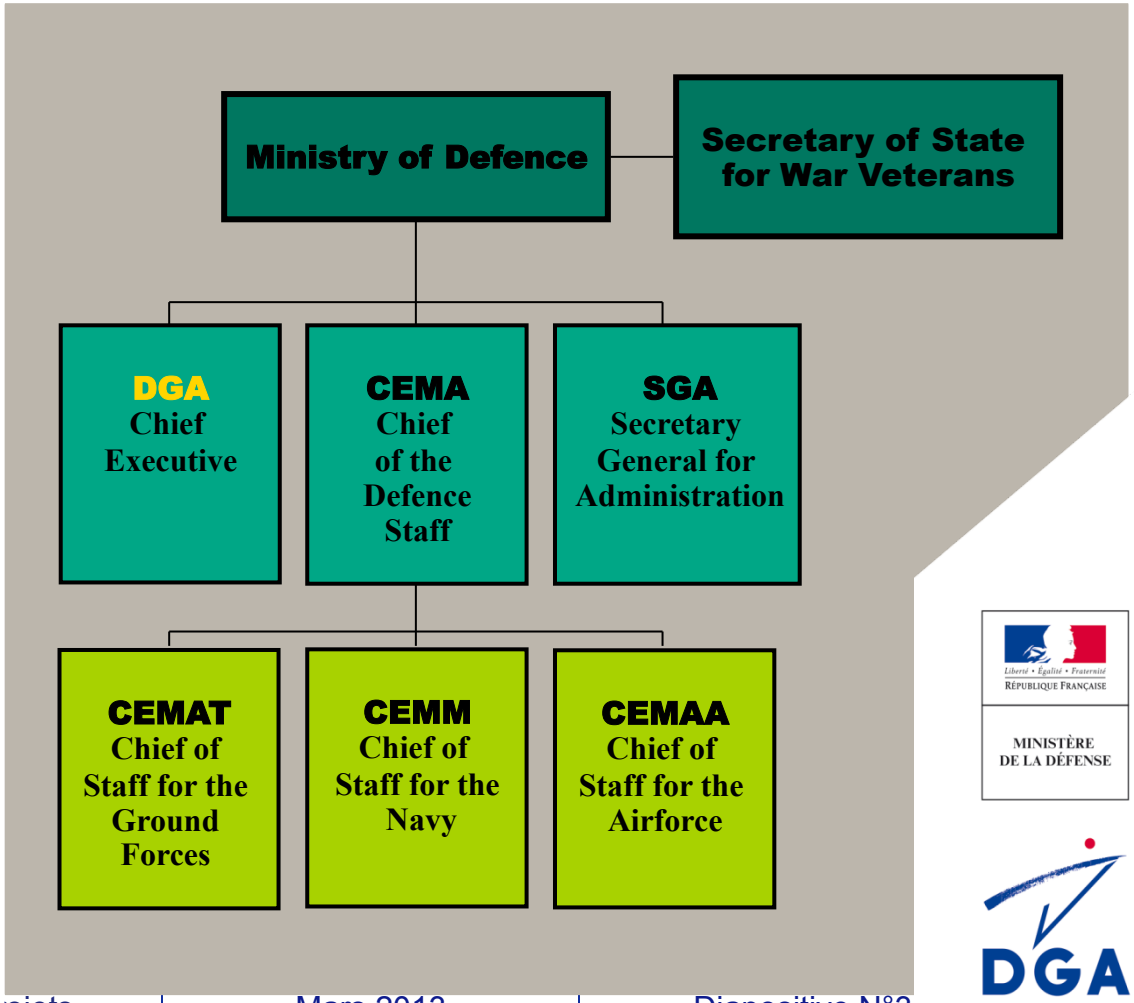
DIRECTION GÉNÉRALE DE L'ARMEMENT

# AT THE CORE OF THE MINISTRY OF DEFENCE

**THE 3 MISSIONS OF THE DGA:**

- Preparing the future of Defence systems
- Equipping the Armed Forces
- Promoting Defence equipment exports

The Chief Executive of the DGA is one of the three main subordinates of the Ministry, with the Chief of the Defence Staff (CEMA) and the Secretary General for Administration (SGA)



# UNIQUE SKILLS AT THE SERVICE OF THE STATE

- An **overall overview** of armament systems to ensure global coherence
- An ability to **manage the risks** associated allows us to steer complex projects and to respond to emerging threats
- **Independent expertise and testing capabilities,** unique in Europe
- **A policy that focuses on industry and technology** in the European context
- An active partner for the **development of innovation, defence industry and SMEs**
- Equipment and methods that meet **the highest international industry standards**

**" The DGA, an agile, responsive and effective instrument for policy making**

RÉPUBLIQUE FRANÇAISE
MINISTÈRE DE LA DÉFENSE

DGA

# Enterprise Architecture in Defence

- Original focus on equipment acquisition and support domain, with a strong systems engineering focus
- Main purpose of Enterprise architecture is about shared awareness
  - Identifying existing capabilities, organisation, technology, information and processes
  - Describe the systems landscape
    - Interfaces
    - Functions
    - Standards
    - Governance
      - Who is responsible ?
- With multiples challenges:
  - Several acquisition projects in different phases and different contexts (NATO, EDA, coalition partners, etc.)
    - Agreed standards
    - Maturity levels
  - A lot of stakeholders and roles with a high turnover

# Architecture Framework

- Abandon of our national architecture framework called AGATE for the NAF some years ago
  - Common language
  - No National constraints
  - Industry adoption
- Establishment of collaborative NAF modeling tools  and a shared architecture repository
- But several issues remain
  - NAF is inconsistent and is no longer maintained for years
  - Interoperability
    - Need a standard data format for architectural interoperability
    - Nations and industries using different tools and data formats
  - Methodology
    - No real methodology/process
  - Adoption
    - Heterogeneous competencies

# The Approach (1)

- Adoption
  - EA must be integrated in the day to day processes of our organisation, where architecture decisions are made
    - Create sponsorship from executive level.
    - Use a language that is understandable for the different stakeholders (decision makers, co-workers, etc.)
    - Exploit examples that are easy to understand and adopt
  - Training to develop the right competencies
  - Guideline
  - Methodologies and tools support teams
  - Managing a technical group on Entreprise Architecture with defense industries, academics and tool vendors in order to communicate about architecture (AF, methodologies, tools, best practices, etc.)
- Methodology
  - Development of a methodology based on TOGAF ADM and AMN Process Architecture

# The Approach (2)

- Interoperability
  - Use of a **NAF Interoperability Environment** to exchange data and diagrams between EA modeling tools
  - France fully supports the convergence of DoDAF, DNDAF, MODAF and NAF into a single **Unified Architecture Framework (UAF).**
- About NAF
  - France proposes to update NAF
    - Supports the proposal to use **MODEM** as initial replacement for NAF Meta Model
    - Participates to the replacement of the current NAF Chapter 3 (the methodology/process)
    - Provides resources to update NAF into a new version

# Questions ?