

# France priorities “Combat engagement”

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# AGENDA

- **The overall FRA context in six slides**
- **Combat Engagement “trends and examples”**
- **Conclusions**



# Overview of Context – “White Paper”

- **World has changed profoundly** since 1994 FRA studies
  - Globalization : increased circulation of information, goods and individuals
  - Hierarchy of powers in constant evolution
  - World is more unstable, less foreseeable
  - France and Europe in a situation of greater vulnerability:
    - Jihadism-inspired terrorism
    - by 2025, within the range of ballistic missiles developed by new powers
  - New risks : cyber-attacks, environmental crises...
- **Major innovation compared to previous White Paper :**
  - Security interests are appraised globally, i.e. **not limited to defense issues** but include :
    - Interior and civil security policies
    - foreign policy, economic policy...

# 5 Forces Systems (Capability Areas)

Deterrence



Command, Control & Info. Superiority



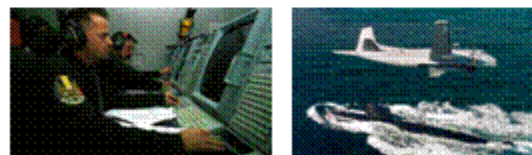
Projection, Mobility & Sustainability



Combat Engagement



Protection & Security



1. Though Deterrence, Knowledge and anticipation, Prevention and Protection are seen as top priorities,
2. A full “Combat engagement” capability is necessary



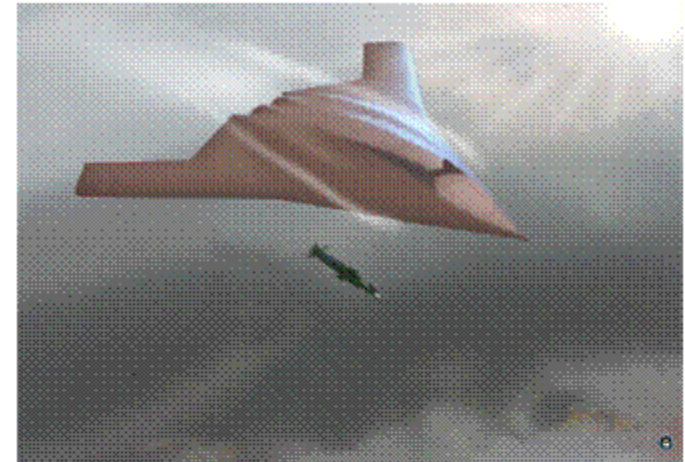
# A financial effort

- **Consistent with the priorities and choices made for our operational capabilities**
- **Cost reduction**
  - Decrease of staff
  - Reduction of operating cost
- **Savings from MoD restructuring will be reinvested in the procurement budget**

# A technology effort

## Individual operations

- to check, in representative conditions of real utilization, that a prescribed level of performance is attainable



## It contributes

- to reduce risks, delivery time and realization cost of future armament programs
- to motivate the teams on major projects
- to focus the co-operations on major projects



# An effort towards Industry

*Ensuring availability of key industrial capabilities*

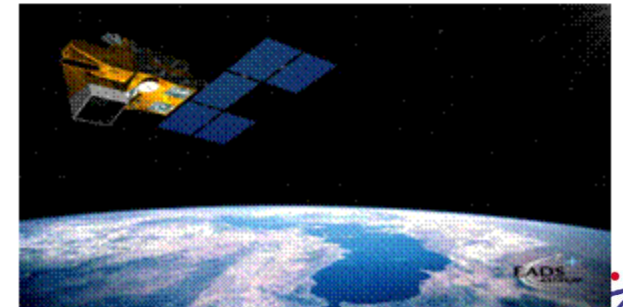
- **Fostering competition**
- **Management of 9 competitiveness poles**
- **Implementation of legal instruments dedicated to strategic SME's**

# A co-operation effort

- European Defence development
- Transatlantic relationships development
- Co-operation programmes :  
NH90, Tiger, A400M, FREMM, FSAF- PAAMS, ALTBMD, MIDS, ACCS...
- New co-operations :  
Advanced-UAV, MUSIS, Software Defined Radio (ESSOR), ATHENA-FIDUS...



**25% of budgetary resources set aside for co-operation programmes**





# ▶ Combat Engagement





# Trends “Combat Engagement”

- **Asymmetric conflict**
  - Precision of armament and control of their effects
- **Low density of forces**
  - Long range, precise and fast support
- **Avoid unnecessary soldier exposure**
  - Robotics, artificial intelligence, deep area intervention (cruise missile, stealth plane)

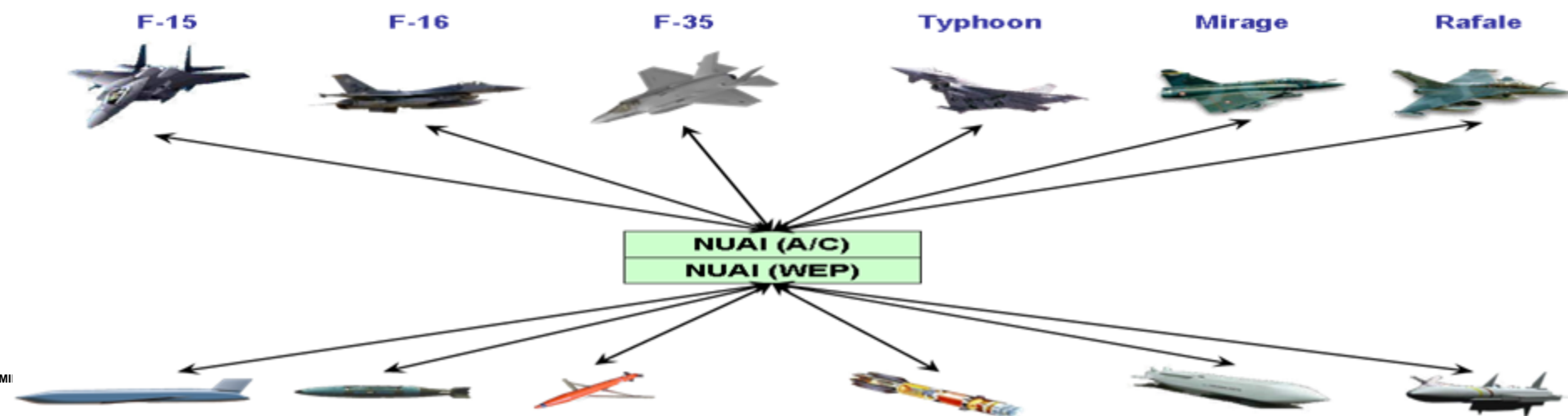
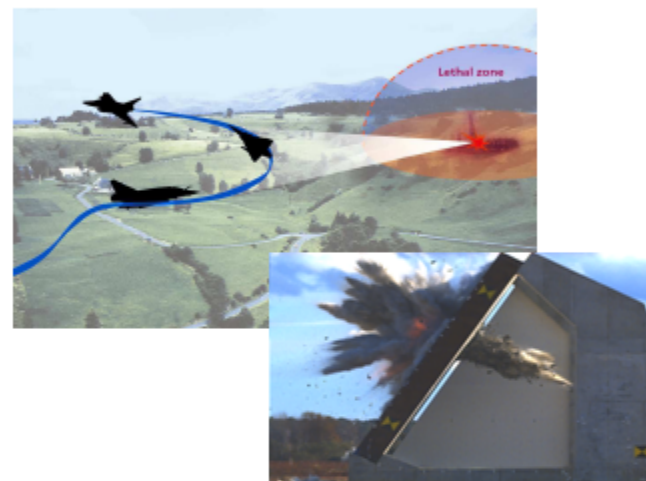


Caesar (NEXTER)

# Application to the Air Force

## ● Priorities

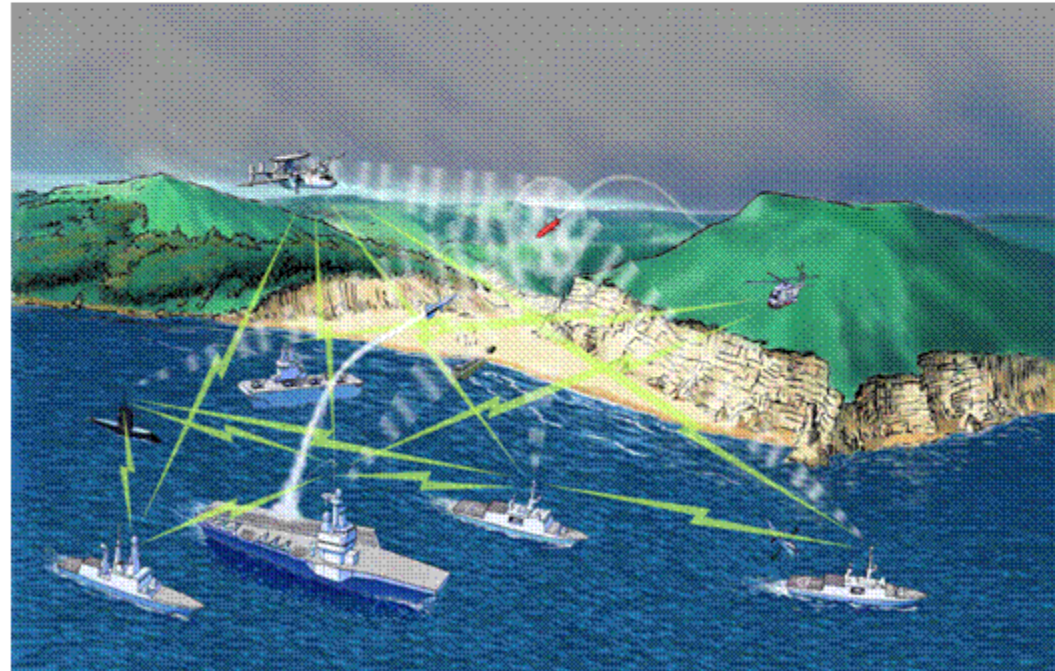
- Multirole and Configuration management
- Effect based solutions (identification and measure)
- Quick Retex capability
- *Interoperability*



# Application to the Navy

## ● Priorities

- Mine countermeasures
- Sensor Optimization
- *Networking Situation (Maritime situation awareness)*



# Application to the Army

## ● Priorities

- Protection IS KEY
- Robotics and automatism
- *Network architecture and interoperability*



# Conclusions

- **The context is changing rapidly**
- **Combat Engagement capabilities are still key assets in today's conflicts**
- **Interoperability/Cooperation among Allies is key in all domains of activities**

# Questions ?

