



The French Armed Forces partner

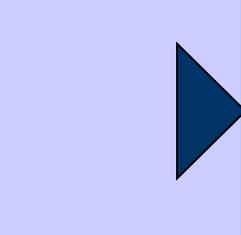
# Logistics support: The current challenges

IN BUILDING  
TOMORROW'S DEFENCE



# Outline

- **Significant changes**
- **Through life management implementation**
- **Data management:**  
**Closing the loop with lessons learnt**
- **Organization:**  
**Government decisions continuity**



# Significant changes



# Military operations



- From “cold war” to “counter-insurgency warfare”
- Out-of-area multinational deployments
- Variety of missions



# Materiel performances

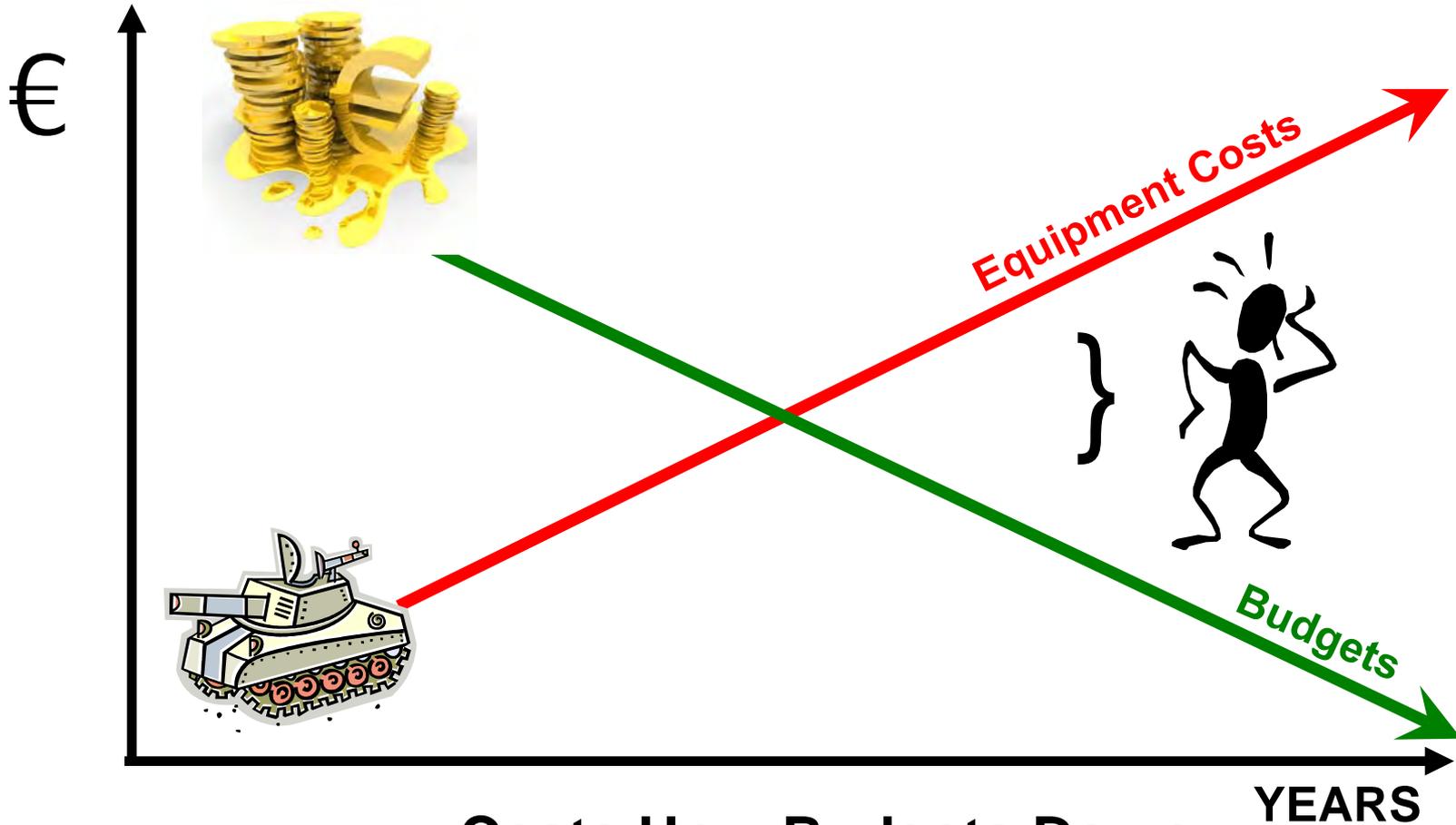
- Requirements must be met rapidly
- Equipment availability must be good
- But costs must be controlled





# The budget Pressure

Need to get best value from limited resources



**Costs Up ~ Budgets Down**



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# New actors, new regulations

Government



National



Defense exemptions

- Responsibilities shared between Government and Industry
- Development of acquisition through collaborative programs
- Legal framework strengthened
  - Contracting legislation,
  - Labour legislation,
  - Forbidden chemical substances
  - Airworthiness

Industry



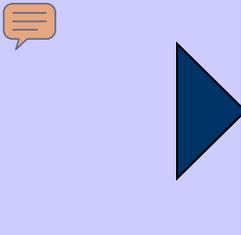
Multinational



Regulations



*Contracting legislation*



# Through life management implementation





# A single contracting strategy for the support

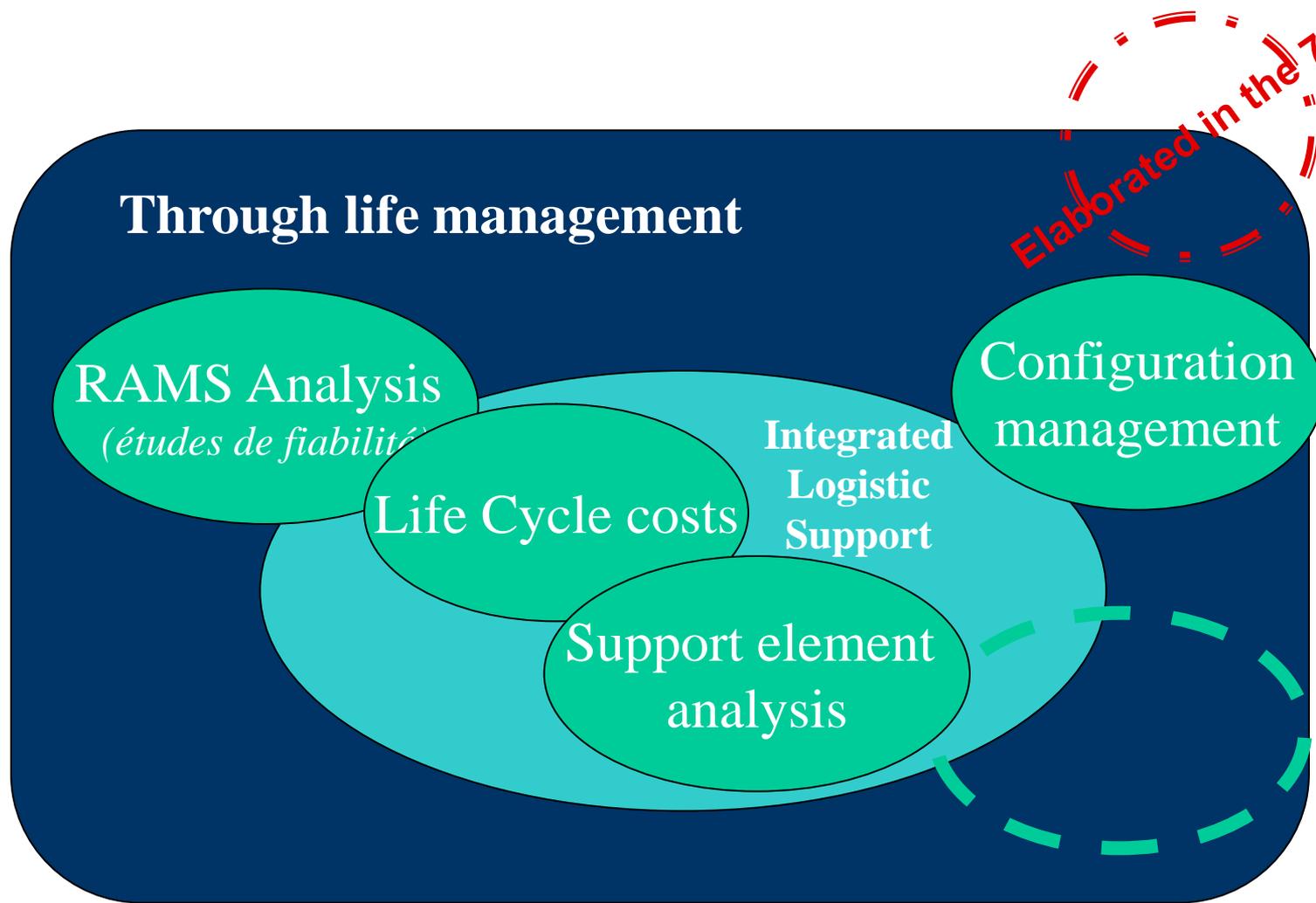
## Support strategy: a key document

- Acquisition support strategy

- Envisages main support options
  - Responsibilities sharing between State and industry
  - Cross cutting activities
  - Cooperation or not
  - Planning
  - ...
- Drafted before design stage and valid after
- Envisage several possibilities
- Agreed by all the stakeholders



# Traditional management concepts: **Still valid**



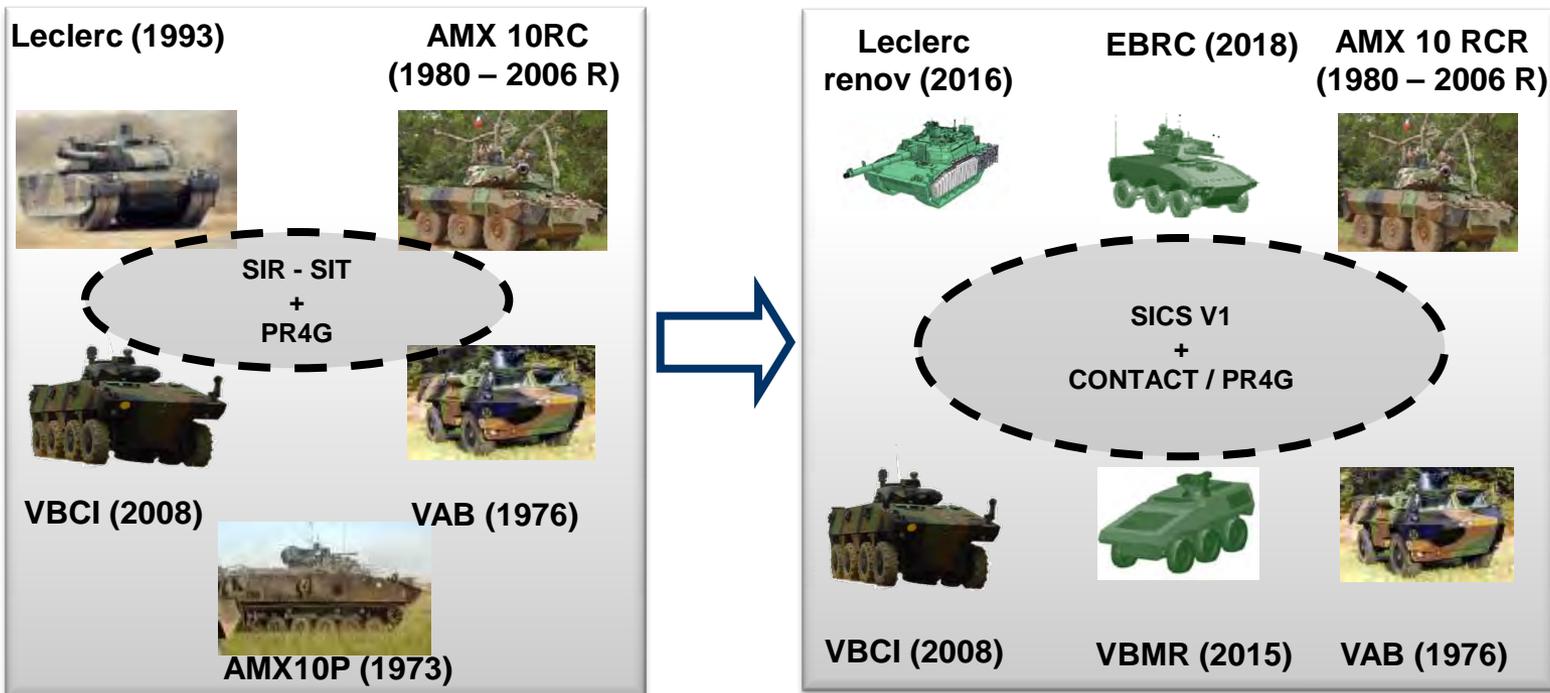
# ▶ Life Cycle Cost control

## Life Cycle costs estimates

- To get a clear view of various costs all along life cycle (acquisition, support, in operation, ...)
- To perfectly know the costs of current equipment to direct design of new equipment and benchmark estimates
- To envisage several options and not only in the technical field
- To take decisions regarding long term-cost consequences
- To share risks with industry all along the system life cycle



# Example: Cost estimates implementation



Replacement of the fighting armoured vehicles from the 70's

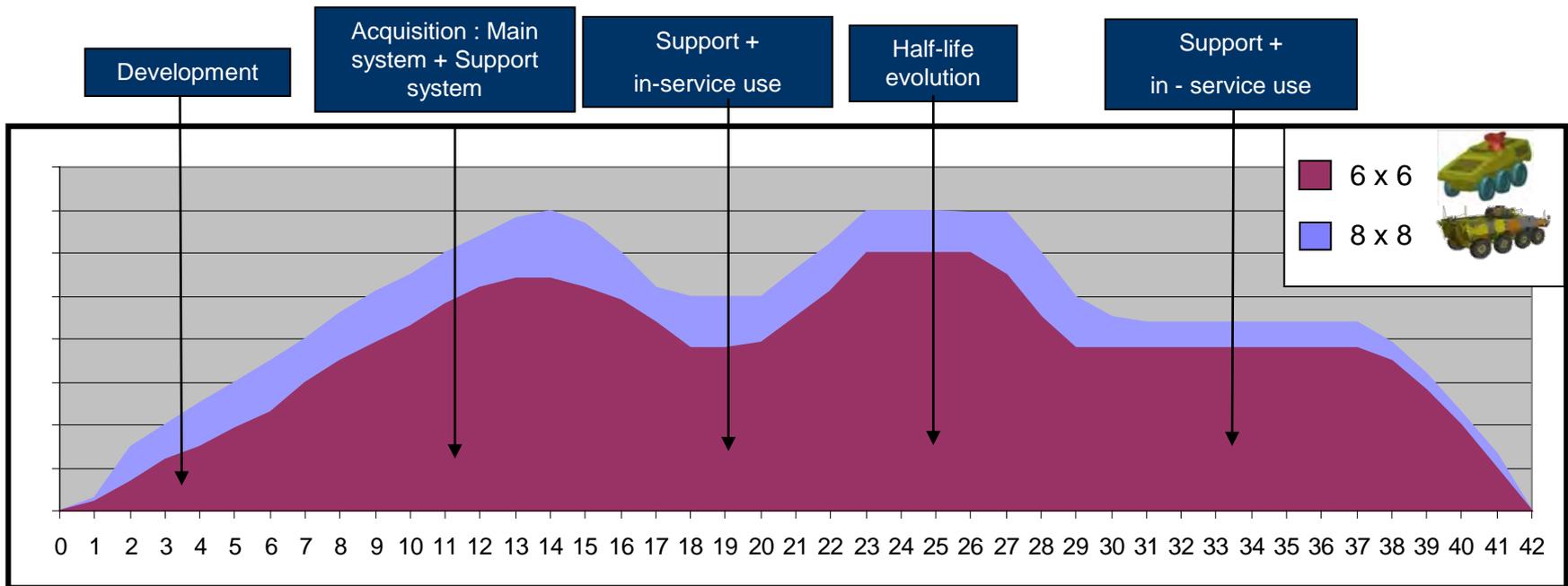
Soldiers protection improvement

Fighting and information technology tools interconnection

# Example: Cost estimates implementation

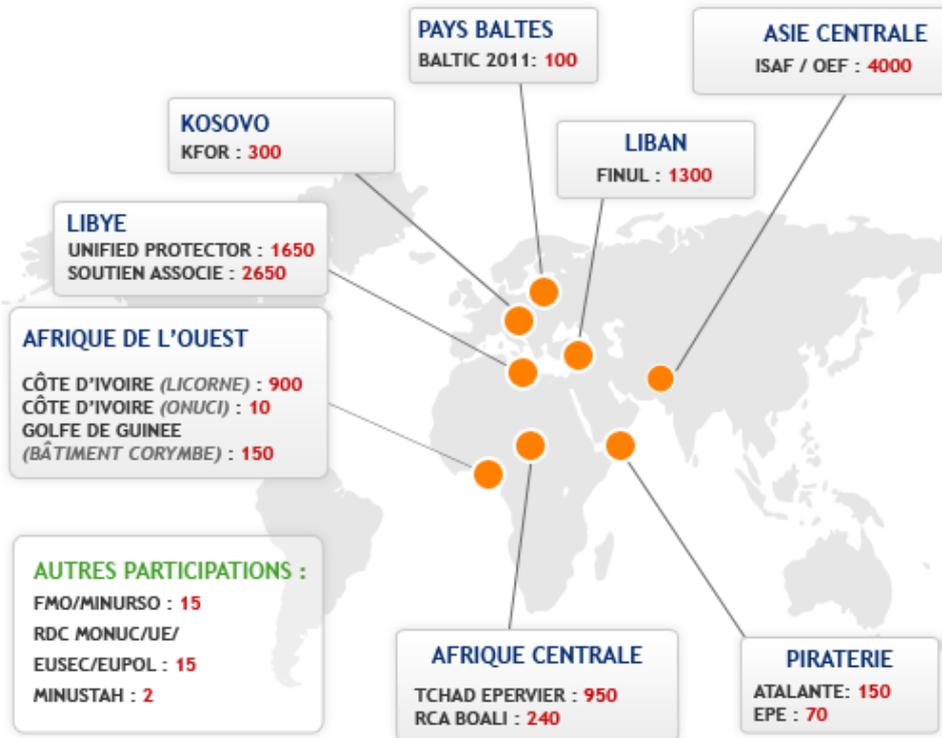


- Prior to programme approval:
  - Life Cycle Cost benchmarked on existing vehicles
  - Support cost is acknowledge as a key design parameter





# Micro fleets management



- **Convenient to** fit with short notice operations needs
  - at limited costs
  - without affecting metropolitan fleet management
- **But** potentially lead to management issues of mixed fleets (configurations, maintenance, ..)



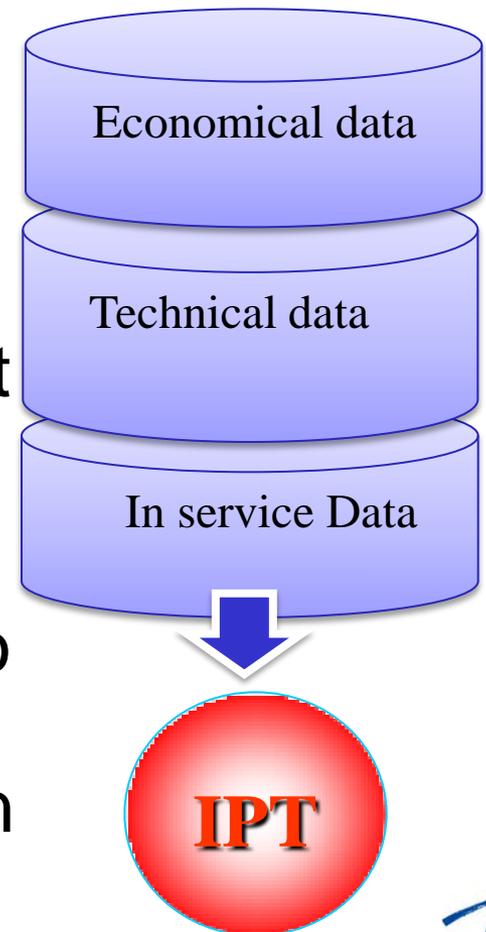
# Data management: Closing the loop with lessons learnt



# ▶ A long term trend

A real policy regarding data exchanges between all the partners have to be implemented

- Current equipment will remain in service for many years
- Technical data collected on such equipment is vital to control current costs and planning new programs
- A growing demand from industry to have a better return of information on the equipment they sold, both in the operational support field

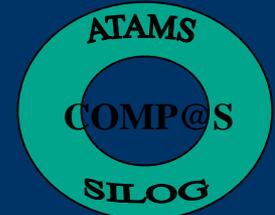


# New tools: Information control, the key issue

## ASD Standards



Information  
technology tools



## HUMS



Built-in test of  
new generation

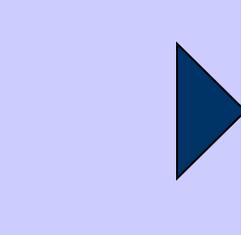
Lessons learnt  
data collection

e Maintenance



Information control:

- New technologies implementation
- Rationalization of existing tools



# Organization: Government decisions continuity

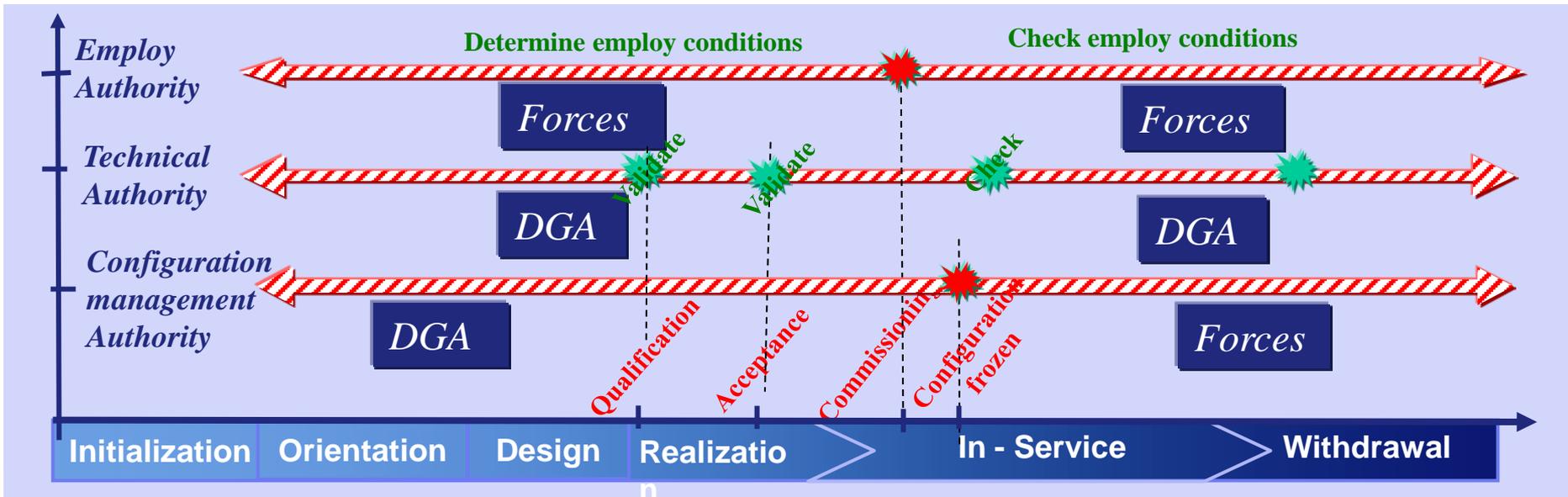




# Responsibilities clearly identified within governments structures

## Legal framework strengthened

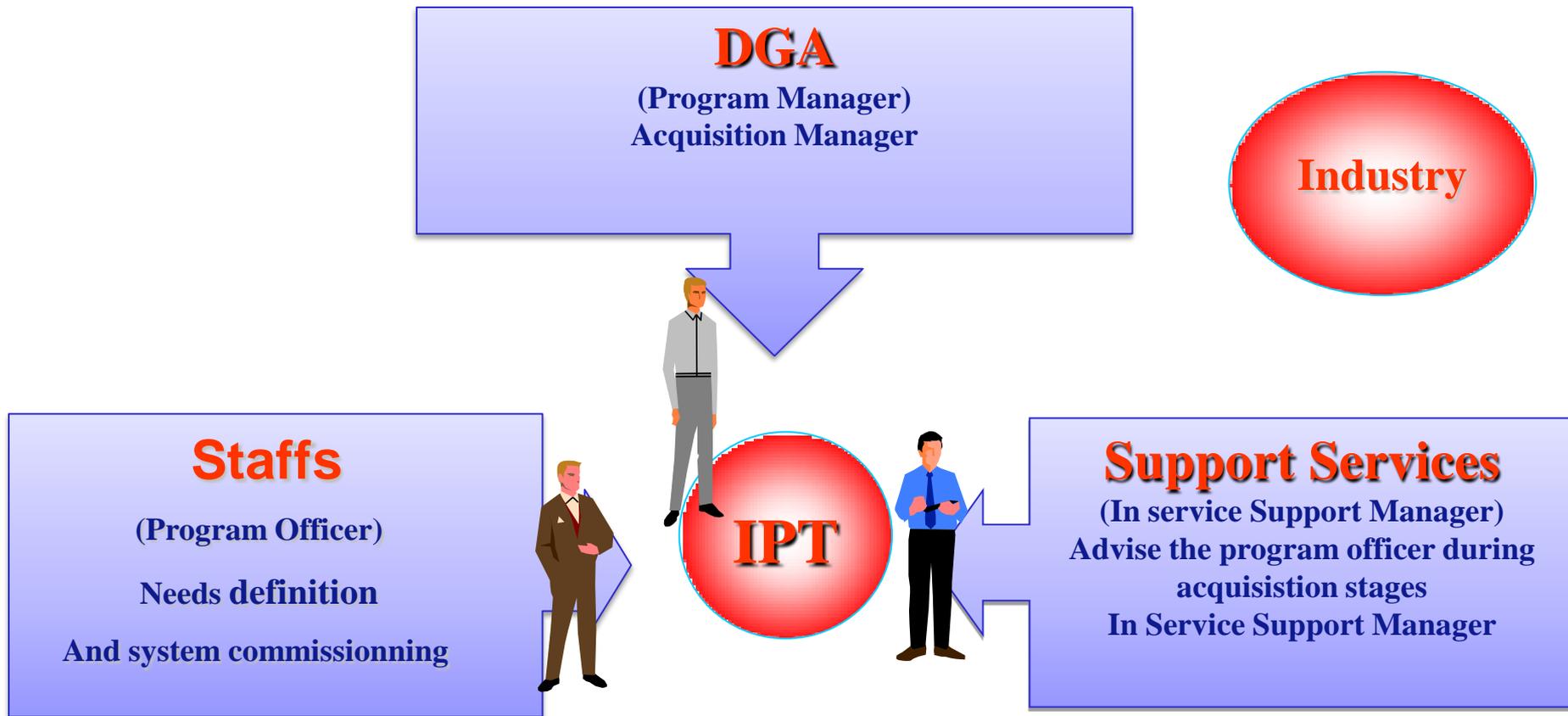
- Safety responsibilities still valid all along the life cycle
  - Technical authority: responsible of equipments safety, carry out expertise when necessary
  - Employ authority:
    - Gives usage conditions
    - Ensure the effective system usage is compatible with the one of design stage





# A single Integrated Program Team

To ensure decisions traceability



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# ▶ Conclusions

- Current context and especially economical constraints **challenges** the current program armament management in order to maintain / develop military capabilities,
- Classical methods and new technologies offer real opportunities in that way,
- ... But set up changes is not an easy way !
- It implies to jointly manage actions through clearly identified responsibilities