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NATO Standardization Agency



Interoperability and Standardization within NATO

***Vice admiral Juan A. Moreno
Director, NSA***

- **New Threats**

- **Article 5 / Non-Article 5**

- **New Forms of Conflict**


- **New Security-Political Actors**

- **New Tasks and Operations**

- **Increased Speed of Technical Innovation**

- **Ongoing Transformation**





- **Multiple, suicide attacks against soft civilian targets -- maximum casualties**

- **Increased chance of terrorist act involving chemical, biological, radiological or nuclear weapons**

- **Nationalistic Demands**

Defined Region with National Forces in their designated Area of Responsibility



Relatively lower challenges for Interoperability and Standardization

Army Corps as National Entities



NATO in lead with Participants from PfP and other Nations

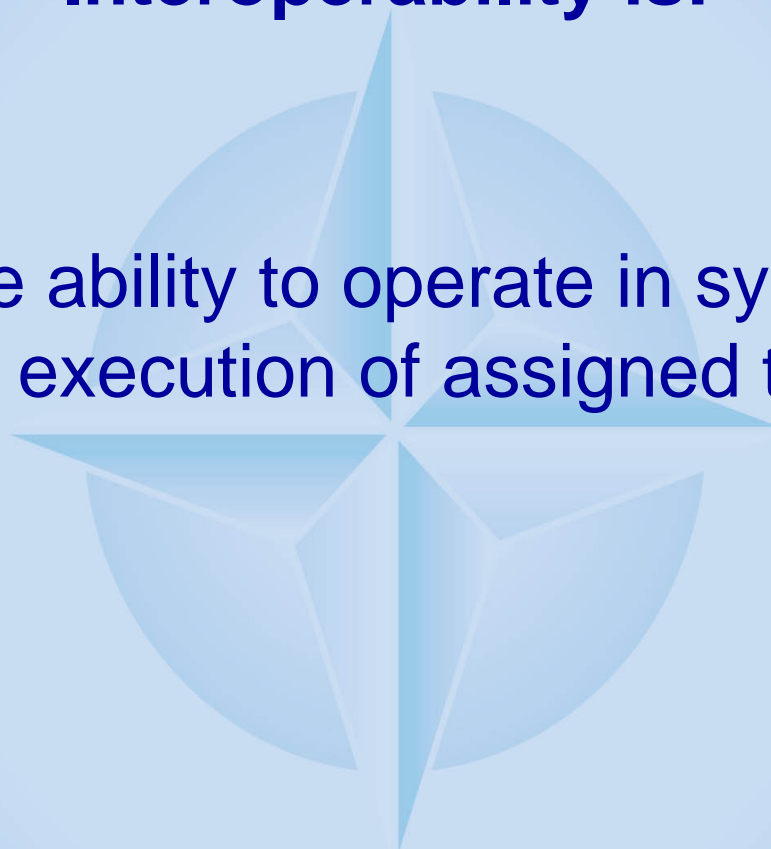
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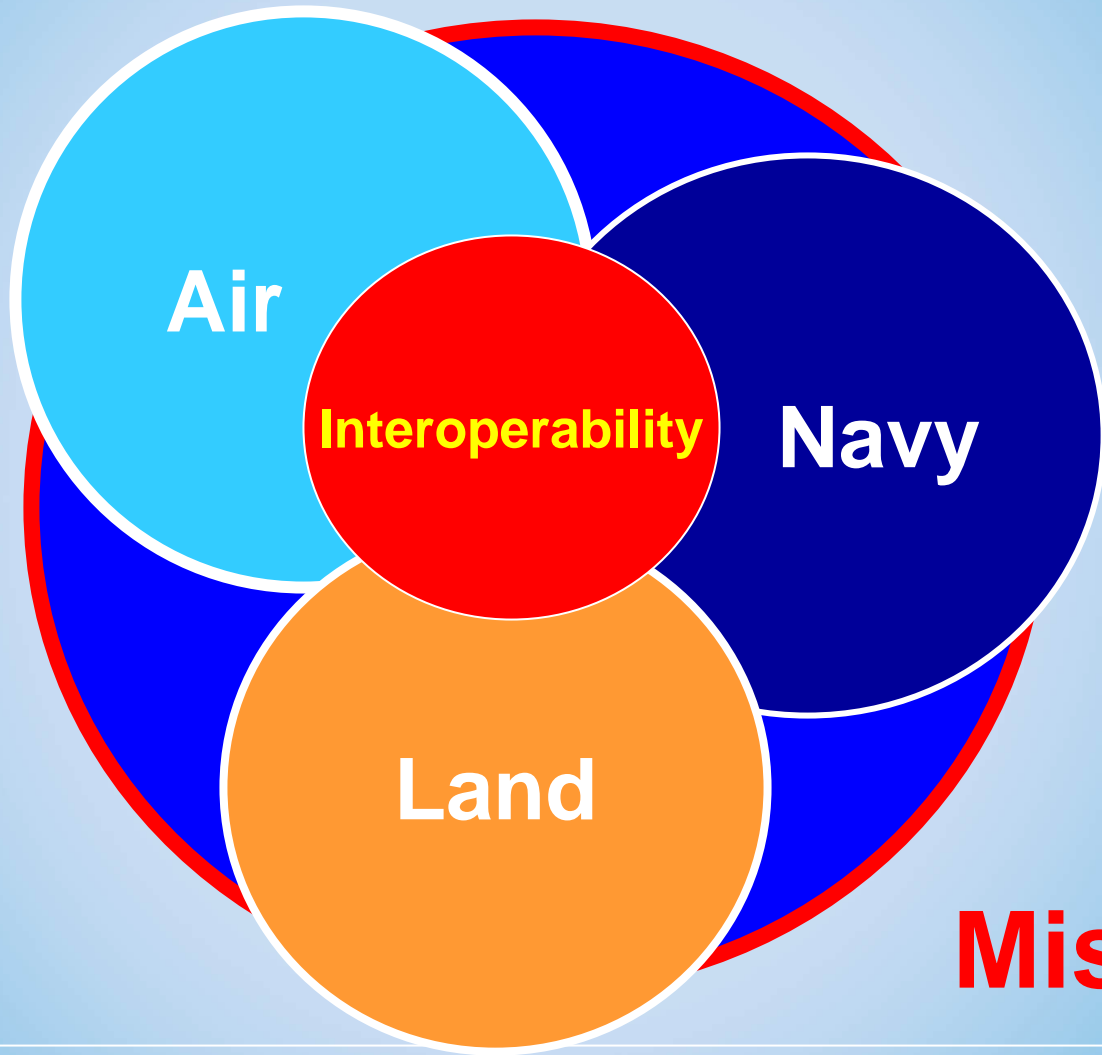
Considerably higher challenges for Interoperability and Standardization

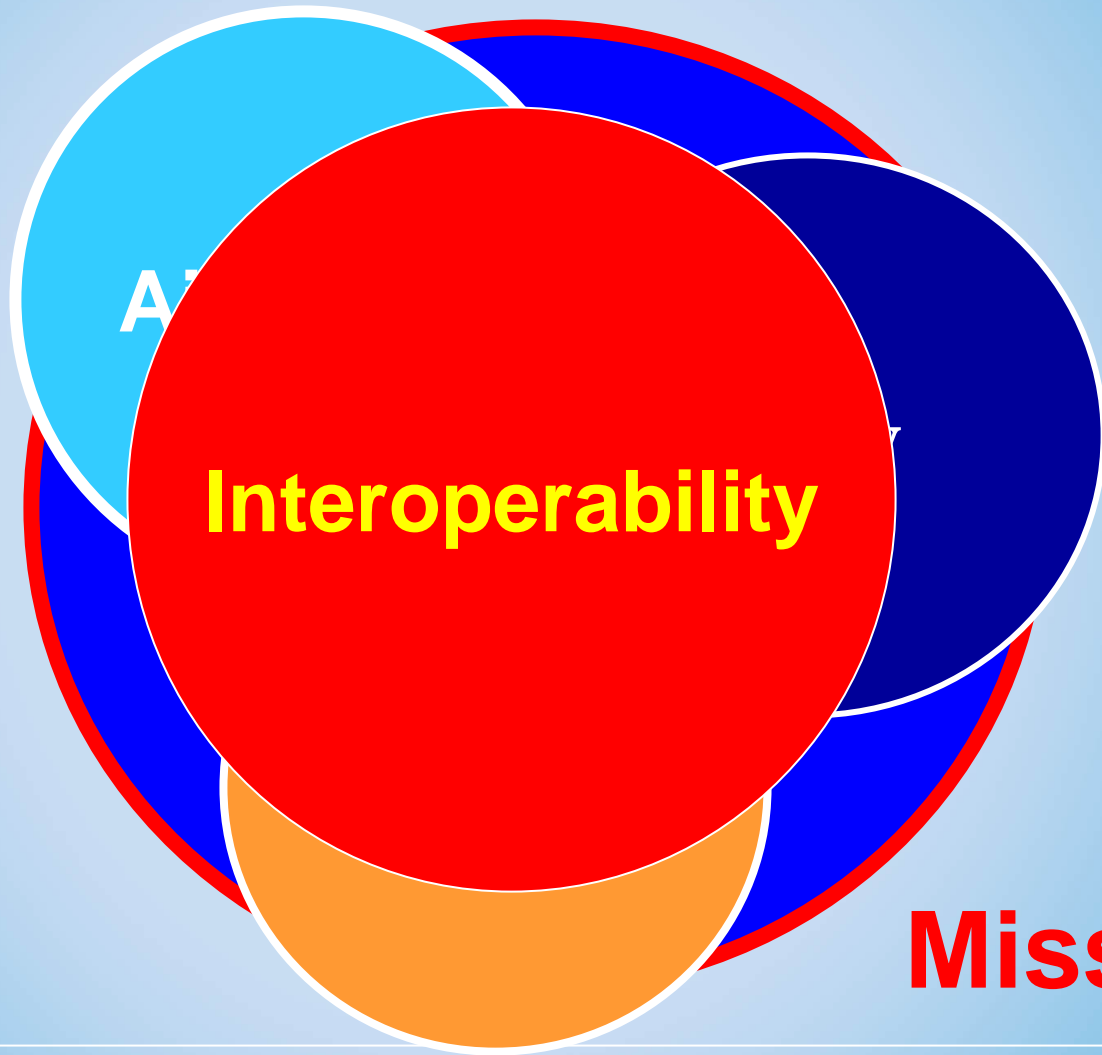


Interoperability is:

“Is the ability to operate in synergy
in the execution of assigned tasks”









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Now



Mission



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NO CAPABILITY WITHOUT INTEROPERABILITY

NATO Standardization is defined as:

“The development and implementation of **concepts, doctrines, procedures, and designs** to achieve and maintain the required levels of **compatibility, interchangeability or commonality** in the **operational, procedural, material, technical and administrative** fields to attain **INTEROPERABILITY.**”

Compatibility:

“The suitability of **products, processes or services** for use **together** under specific conditions to **fulfil** relevant **requirements** without causing **unacceptable** interactions.”

Interchangeability:

“The **ability** of one **product, process or service** to be used in place of **another** to fulfil the **same requirements**.”

Commonality:

“The **state achieved** when the **same doctrine, procedure or equipment** are used.

Aim of NATO Standardization

Enhance operational effectiveness through

Interoperability

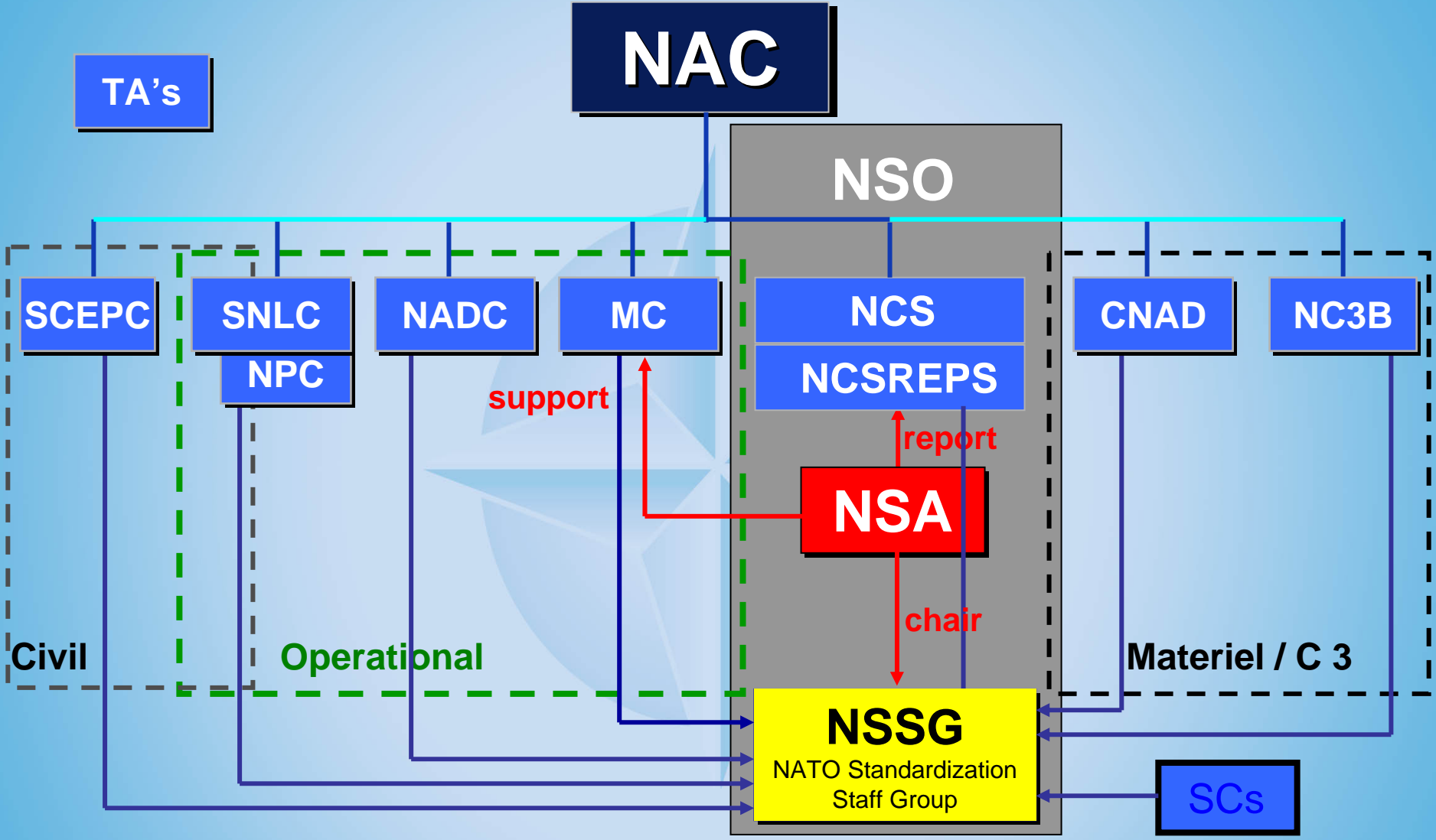
among Alliance forces, and between NATO forces
and forces

of Partners and other nations

Mission of the NATO Standardization Organization (NSO)

Is to harmonize and coordinate Alliance Standardization efforts with the aim of enhancing Interoperability and enable Alliance Forces to train, exercise and operate effectively together, and when appropriate, with Forces of Partners and other nations, in the execution of assigned missions and tasks.

Standardization in NATO

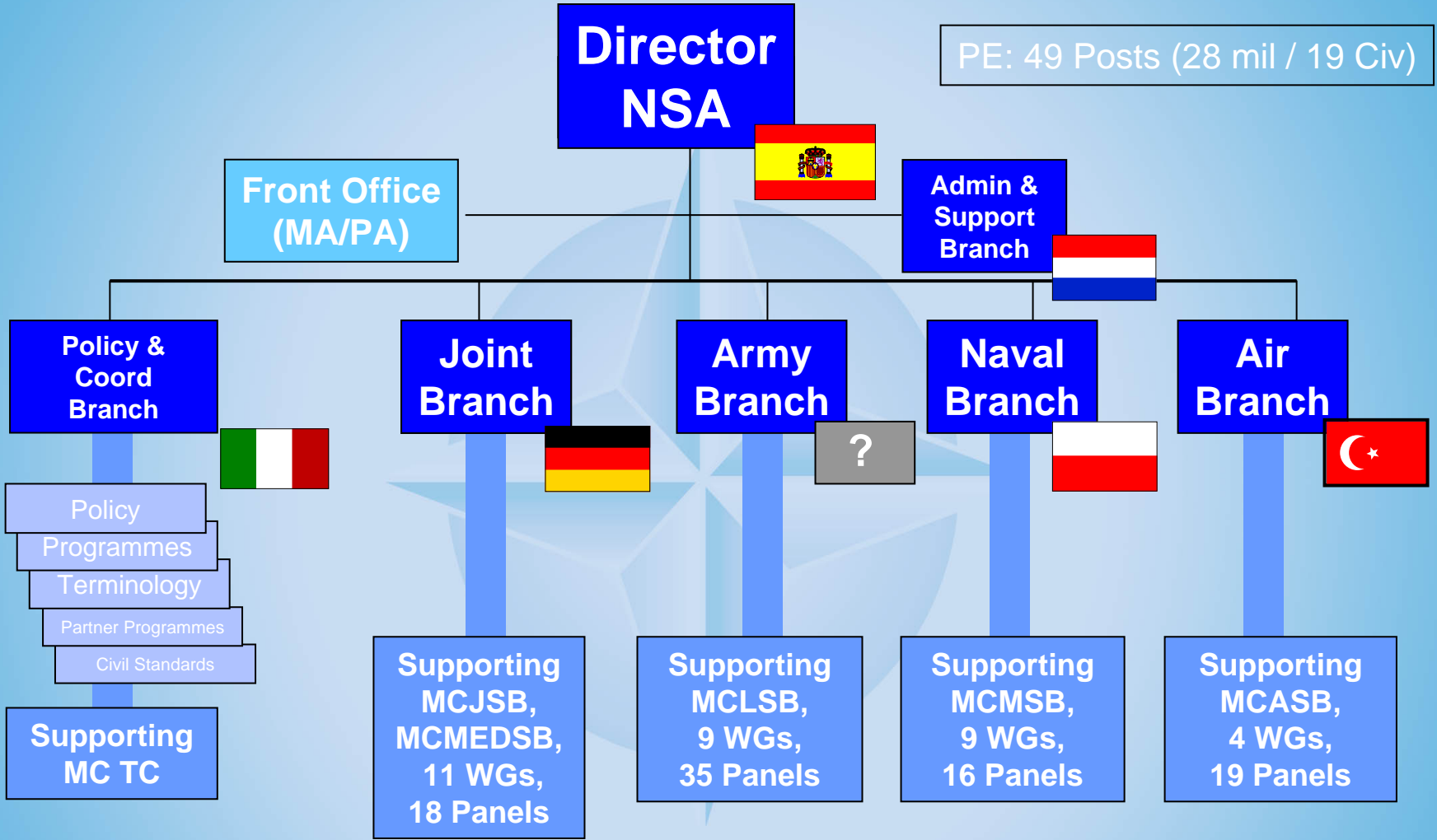


Mission

Initiates, coordinates, supports and administers

- Standardization and Interoperability policy for the Alliance under the authority of the NATO Committee for Standardization
- Operational Standardization and Terminology under the authority of the Military Committee
- Acts as the focal point of liaison with civil Standardization Organizations

PE: 49 Posts (28 mil / 19 Civ)



NATO **STANDARDIZATION AGREEMENT (STANAGs)**

“The record of an agreement among several or all member nations to adopt like or similar military equipment, ammunition, supplies, stores as well as operational, logistic and administrative procedures”.

ALLIED PUBLICATION (APs)

“An AP is an official NATO standardization document which some or all NATO nations agree to use as a common implementing document and which is distributed down to user level”.

Top-Down

- initiated when the Strategic Commands identify **Military Standardization Requirements** (MSR)

- part of the Force Proposals for nations participating in the Force Planning Process

⇒ **longer and slower**

Bottom-Up

- initiated by reporting standardization needs and/or deficiencies by Nations or NATO commands

- followed by **Standardization Proposals** (SPs), formulated by NATO Working Groups,

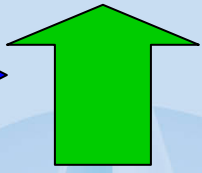
- validated by the appropriate Authority who has to confirm the SP before the development of STANAG/AP starts.

⇒ **react in short time to shortfalls/ interoperability gaps**

PURPOSE

INTEGRATION

CAPABILITY ORIENTATION

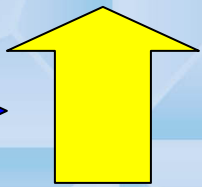


JOINTNESS

AIM

INTEROPERABILITY

STANAGs



APs

MEANS

STANDARDIZATION

Materiel

Operational

Administrative

COMMONALITY

INTERCHANGEABILITY

COMPATIBILITY

- **Contribution to the Comprehensive Political Guidance (CPG)**
- **NATO Interoperability Process**
- **Development of NATO Standards within substructure (Meetings, Working Groups) consisting of subject matter Experts of Nations**
- **Use of civilian Standards whenever possible**
- **Close cooperation with other standardization bodies (NAMSA, MSHT, ...)**
- **Voluntary to nations**
- **Use of NATO agreed Terminology**

