



Science and Technology Organization (STO) Collaborative Programme of Work Overview

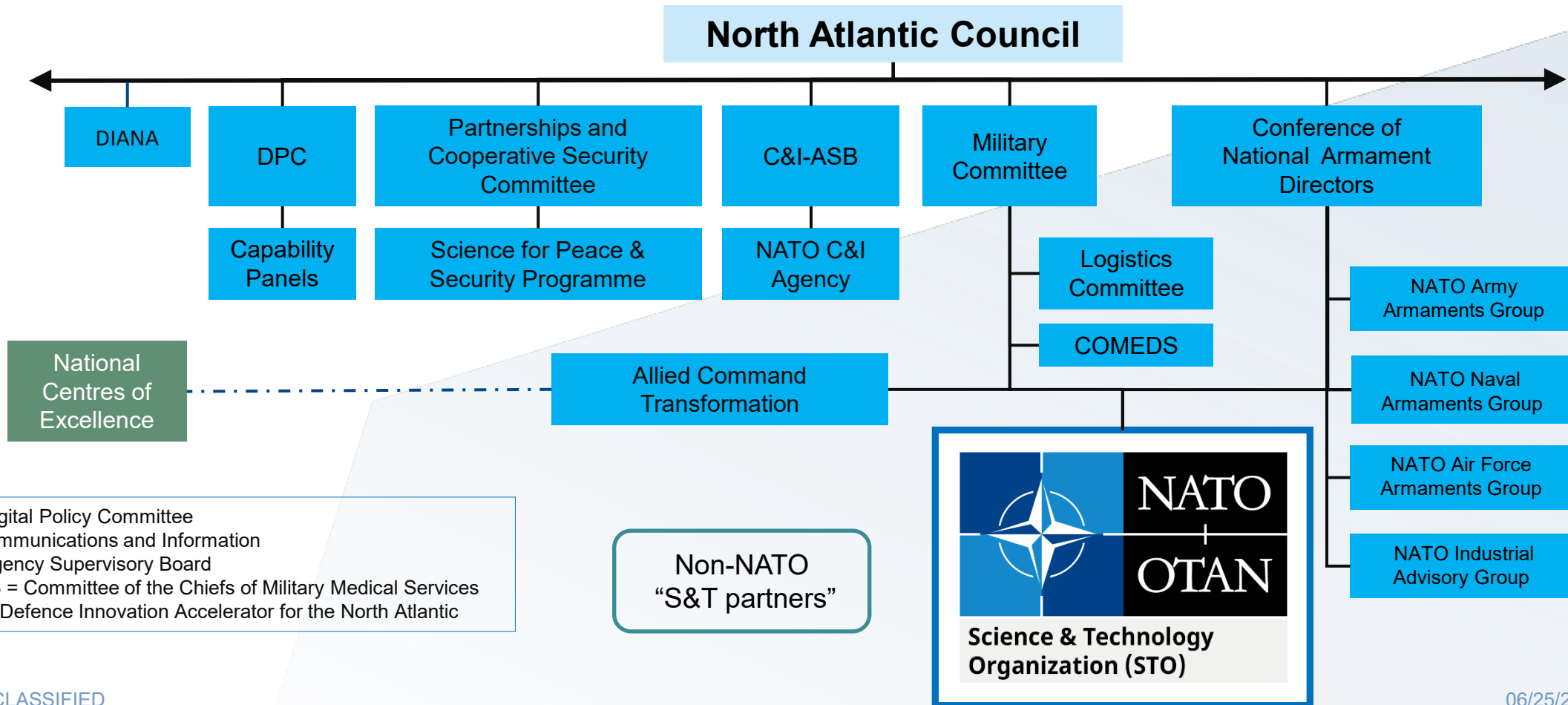
Dr. Timothy Povich

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“Empowering NATO’s technological edge”

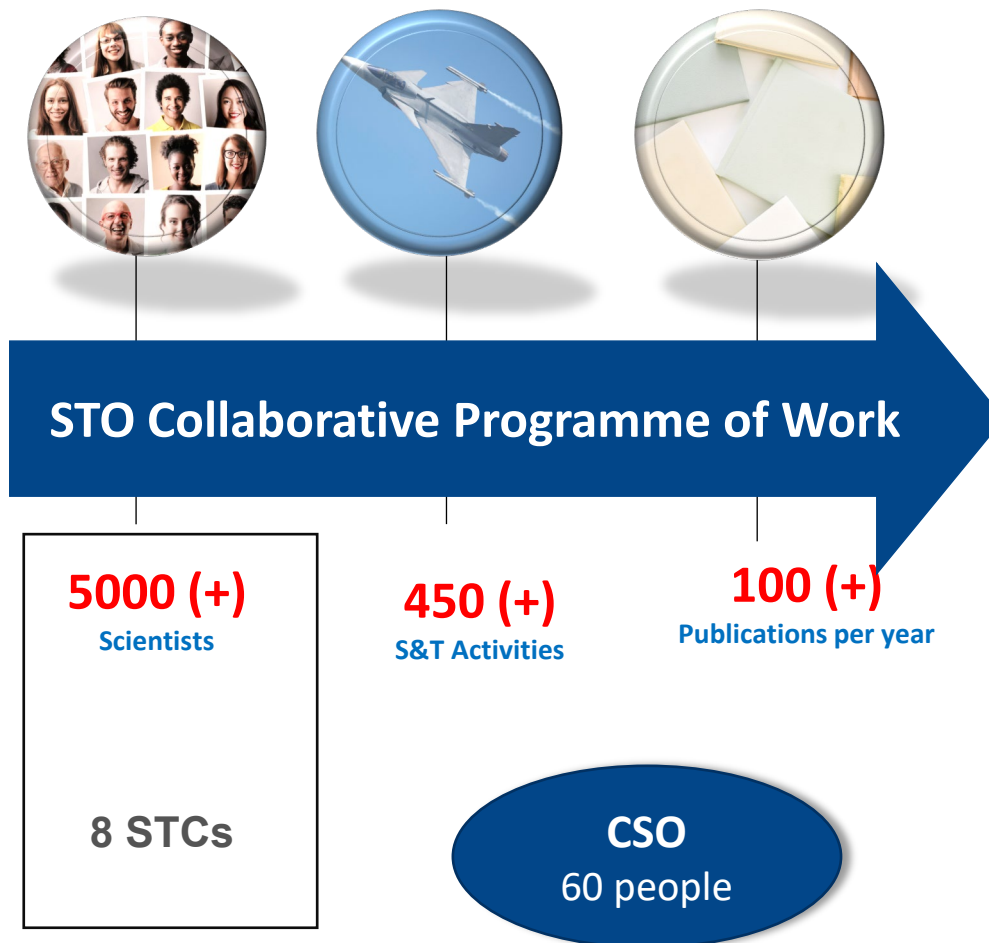
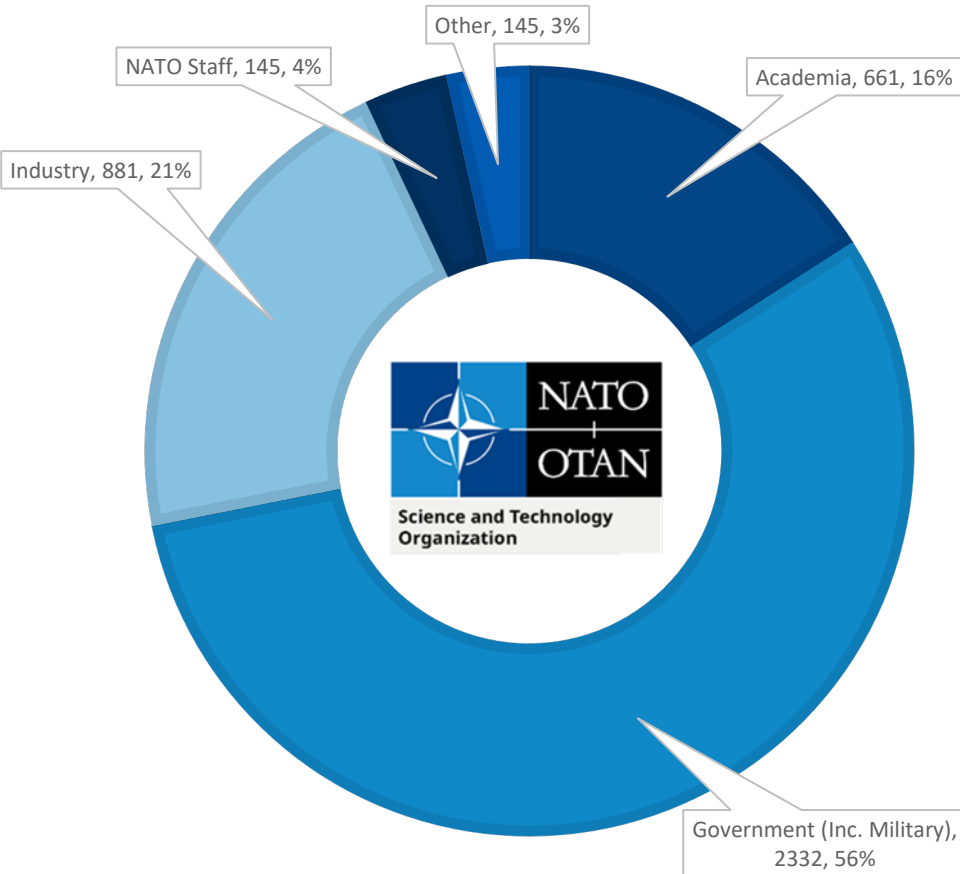
- The NATO STO collaborative framework brings together Nations to **collaborate on S&T, sharing resources and knowledge**
- World’s largest collaborative network for defence-focused S&T research
 - **5,000+** scientists, engineers and researchers from academia, industry and government
- Research covers broad range of **military-relevant S&T fields** (AI, quantum, sensors, bioengineering, etc.)
 - **~450** activities per year

The NATO S&T Community



DPC = Digital Policy Committee
C&I = Communications and Information
ASB = Agency Supervisory Board
COMEDS = Committee of the Chiefs of Military Medical Services
DIANA = Defence Innovation Accelerator for the North Atlantic

Empowering NATO's technological edge



**32 Allies +
5 Partners**



**10:1 Return-on-
investment**

How the Collaborative Programme of Work adds value

for national leaders

- 
- Increases return on S&T investments
 - Supports and accelerates capability developments
 - Informs leaders on emerging technologies
 - Strengthens national R&D base
 - Builds partnerships

for national scientists

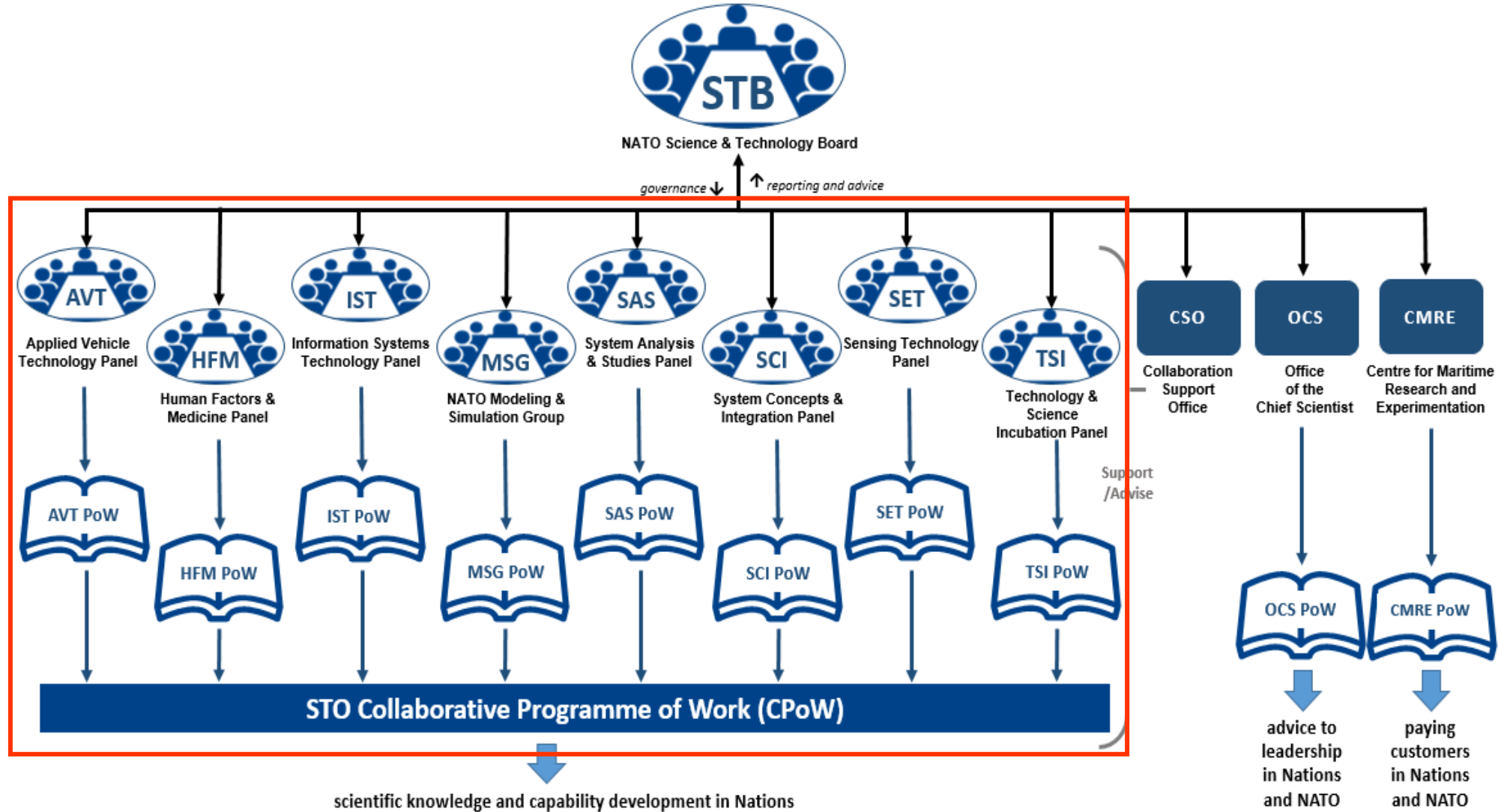
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- Shared S&T knowledge
 - Access to international collaboration
 - Opportunity to work with NATO
 - International S&T networking and trust building

CPoW Activity Example: Detection/location of landmines and IEDs

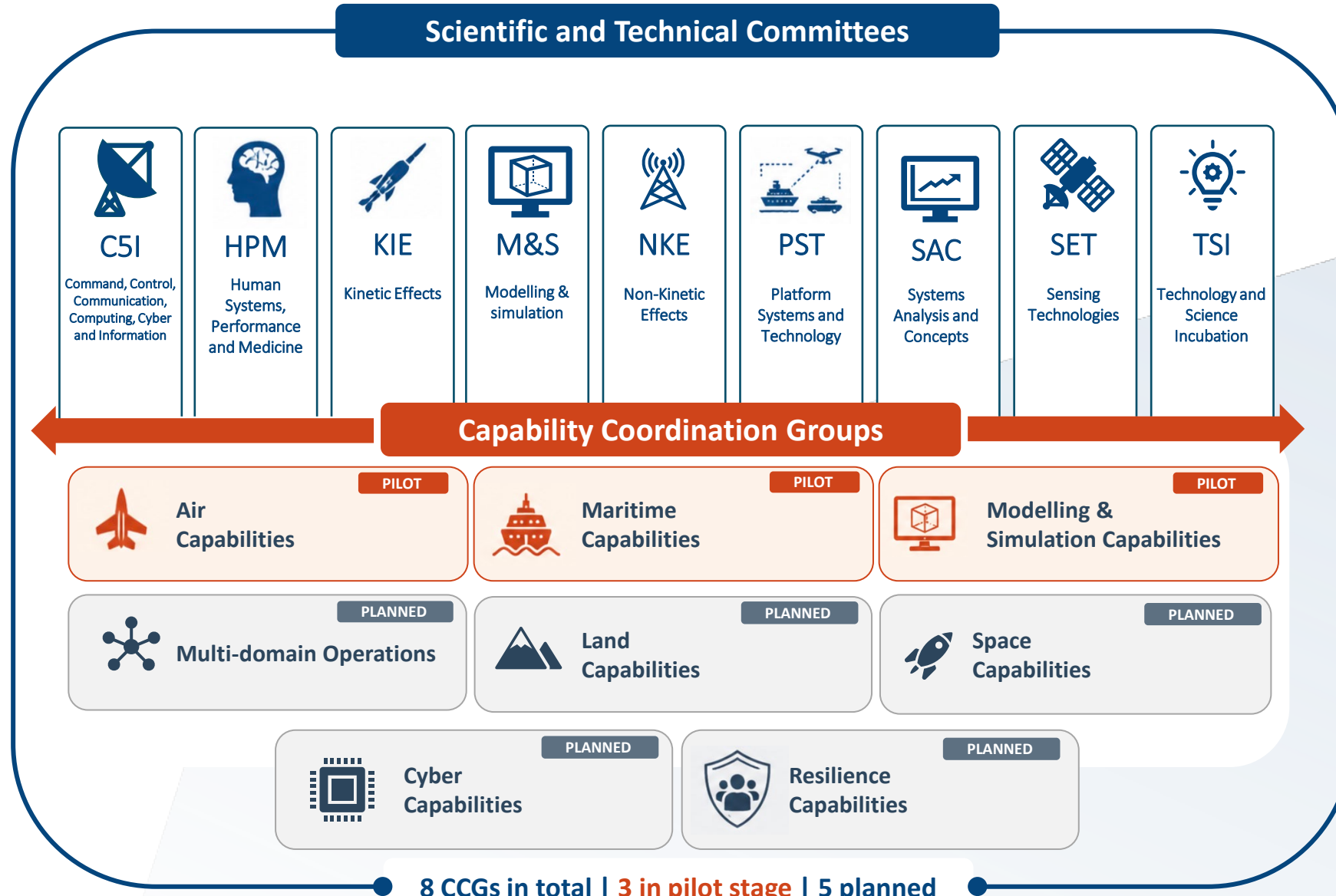
- **Tactical Threat:** Agility of military campaigns
- **NATO Requirement:** Protection of dismounted soldiers
- **NATO S&T Solution:** Use of uncrewed aerial vehicles (UAVs) for target detection and location in military search operations
 - 39 scientists & soldiers
 - 10 NATO Nations
 - 1 Partner Nation
 - 1 Center of Excellence (C-IED)
- **Results:**
 - Verification of sensor technology capabilities
 - Use of UAVs as carrying platform for sensor integration



STO Structure today

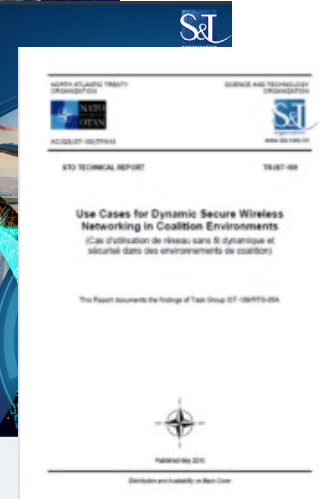


New CPoW Structure 1 July 2026 – IOC*



CPoW S&T Products

- Publications
 - Technical reports
 - Meetings Proceedings
 - Educational Notes
- Standards
 - Through the NSO - NATO Standardization Office
- Cooperative Demonstrations of Technology
- Field Trials
- Courses



Download all publications on the [STO website](#)



NORTH ATLANTIC TREATY ORGANIZATION
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