



# SPOLOČNÉ PROJEKTY NATO

## Stratégia zdieľania informácií s priemyslom SR

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**OPV SEMOD MOSR**

*Stretnutie s priemyslom SR 2020, Trenčín, 10. september 2020*

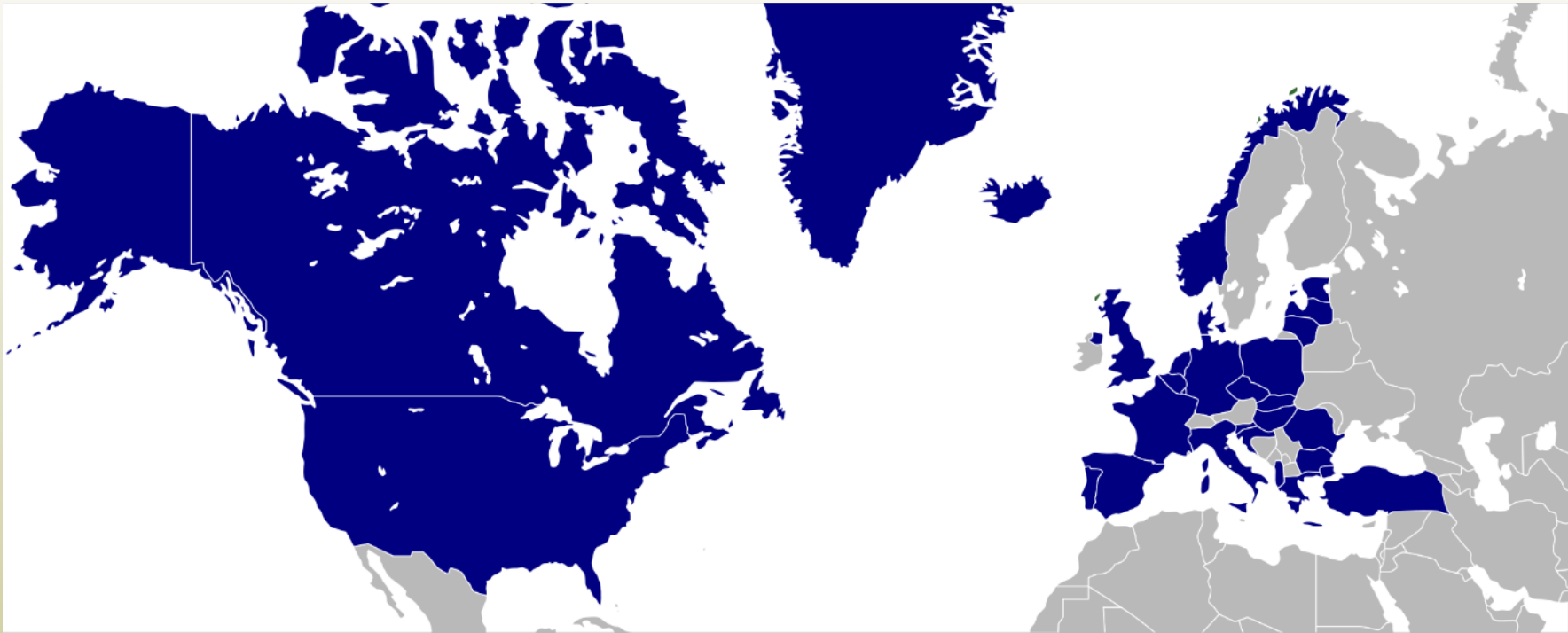


## Hlavné témy:

- I. Štruktúra NATO a postavenie agentúr NATO
  - II. Spoločné projekty NATO vo vyzbrojovaní
- + Príležitosti pre zapojenie SVK priemyslu
  - + Systém nastavenia výmeny informácií
  - + Optimalizácia štruktúr



# I. Štruktúra NATO a postavenie agentúr NATO



**Doména vyzbrojovania: Zabezpečenie politických a programových podmienok Aliancie s cieľom budovania spôsobilostí na odstrašenie, obranu a odvrátenie hrozieb.**





# Dohľad nad Agentúrami NATO a budovaní spoločných spôsobilostí

## Agency Boards

### NCIO ASB

NATO Communications and Information Organization Agency Supervisory Board



### NSPA ASB

NATO Support and Procurement Agency Supervisory Board



### NAPMA Board

NATO AEW&C Programme Management Agency Board



### NAGSMA Board

NATO Alliance Ground Surveillance Management Agency



### NAHEMA Board

NATO Helicopter Design and Development Production and Logistics Management Agency Board



### NETMA Board

NATO Eurofighter 2000 and Tornado Management Agency Board

## Programme Bodies

### JISR PG

Joint Intelligence, Surveillance, Reconnaissance Programme Group



### AFSC SPC

Alliance Future Surveillance and Control Support Partnership Committee



### AGS SPC

Alliance Ground Surveillance Support Partnership Committee



### BMD SC

Ballistic Missile Defence Steering Committee



### AirC2 SC

Air Command & Control Steering Committee





# Porovnanie kľúčových agentúr NSPA a NCIA

## **NSPA: Agentúra NATO pre podporu a obstarávanie**

- sídlo: LUX, FRA, HUN
- financovanie zákazníkom
- podpora (logistika) aj obstarávanie
- VTM, PHM, preprava
- obrat cca 4,4 mld. ročne
- rozloženie: 88% ČK / 12% SF
- zamestnanci: 1500 + ext.
- NSPA/NAGSMA databáza

## **NCIA: Agentúra NATO pre komunikačné a informačné systémy**

- sídlo: BEL, NLD, POR
- financovanie zákazníkom
- podpora (logistika), čiastočne obstarávanie
- C3, cyber, space, IT služby
- obrat cca 1,2 mld. ročne
- rozloženie: 10% ČK / 90% SF
- zamestnanci: 1600 + 800 + ext.
- NSIP



## II. SPOLOČNÉ PROJEKTY NATO

### A. „Spoločne budované“ spôsobilosti NATO

- 1. Protiraketová obrana NATO (BMD C3I)**
  - FOC 2030, BMD ADD 4.1 (NCIA/ACO-ACT), AirC2IS
- 2. ACCS (SVK ASBE) AirC2IS**
  - Alternatívy 4Q 2020
- 3. AGS, pozemný prehľad Aliancie**
  - 4x UAV SHAPE ITA, EIOC 1Q2021, NSPA, SVK priemysel
- 4. AWACS / AFSC, vzdušný prehľad Aliancie**
  - LC 2035, NSPA, etapa2/fáza3, SVK priemysel



Major planned NCI Agency procurements 2020-2021



Project	Proposed Procurement Method	Sole Source Justification	Planned Sole Source Supplier	Estimated Investment - 0 (EUR)	Provisional Contract Award Date
ACCS Addendum 3 - WP8: Proof of Concept x86 Rollout ARS Poggio Renatico	Sole Source	Already authorized by the IC. Allows to transfer risk of validation / verification of new system baseline of first ARS site to the ADD3 SA Contractor before initial ADD3 System Adaptation contract is closed.	TRS AMDC2 (FRA)	€ 4,400,000	Q4 2020
Integrated Test Bed (ITB) Build 6	Full competition			€ 10,891,447	Q2 2021
BMD SE&I Recompetition	Full competition			€ 59,145,057	Q2 2021
NATO Common operational Picture Increment 2 (NCOP Inc 2) - WP 1 - core features	Sole source	Already authorised by the IC. Will be based on NCOP-1, reusing both its design and technical solution. Sole source THALES will allow to maximize NCOP-1 experience and expertise and readily available Thales background IPR.	Thales (FRA)	€ 12,186,928	Q4 2020
NATO Common operational Picture Increment 2 (NCOP Inc 2) - WPs 4 and 7 - Training and Implementation ICB1 LPTC	Full competition			€ 5,300,000	Q1 2021
NATO Joint Targeting System (NJTS)	Full competition			€ 7,782,279	Q4 2021
Provide Information Administration Services and Upgrade NATO Information Portal (IAS) - ICB	Full competition			€ 9,600,000	Q2 2021
New NATO Messaging System (NNMS)	Full competition			€ 17,000,000	Q3 2020
Information Exchange Gateway Type C (IEG-C)	Full competition			€ 7,839,608	Q3 2021
Tech Refresh of Balkan IT Infrastructure - AOM ICB	Full competition			€ 13,668,828	Q4 2020



Project	Proposed Procurement Method	Sole Source Justification	Planned Sole Source Supplier	Estimated Investment - 0 (EUR)	Provisional Contract Award Date
CIS Security Services Area A Tech Refresh- Forensive Investigative Tools (FIT)- WP1B	Full competition (BOA)			€ 3,000,000	Q3 2020
CP122 Crypto services - Key and Certificate Management	Full competition			€ 22,000,000	Q4 2021
Intelligence Functional Services (INTEL-FS) - Spiral 2 and BMD functions in INTEL-FS - Front End	Full competition			€ 7,010,000	Q4 2021
Intelligence Functional Services (INTEL-FS) - Spiral 2 and BMD functions in INTEL-FS - Back End	Full competition			€ 10,713,000	Q4 2021
Provide DCIS Equipment for Small NRF HQ	Full competition			€ 51,933,958	Q3 2020
WP1- Secure UHF TACSAT radios and their ancillaries	Limited competition through FMS			€ 50,846,553	Q2 2021
WP 1 - Provide Dual-band Transportable Satellite Ground Terminals (TSGTs) for DCIS	Full competition			€ 56,513,557	Q4 2021
WP1 - Provide Multiband Deployable Satellite Ground Terminals (DSGT) Pool - COTS (LPTC ICB)	Full competition			€ 8,844,071	Q4 2021
WP 1 & WP2 - Provide SATCOM Ground Segment Baseband Systems (SGSBS)	Full competition (BOA)			€ 10,706,046	Q2 2021
Provide SATCOM Ground Segment Electronic Protective Measures (EPM) Modem System	Full competition			€ 22,288,006	Q3 2021
Provide BRE1TA Software and Beyond Line of Sight Access Point with Remote Monitoring Diagnostics and Training Capability	Full competition			€ 6,854,000	Q3 2020
CUR 2031 - Modernise Deployable CIS (DCIS) Inventory for Resolute Support (RS) - Increment 2 - WP2	Full competition (BOA)			€ 6,200,000	Q3 2021



## II. SPOLOČNÉ PROJEKTY NATO

### B. Medzinárodná spolupráca EMC a Smart Defence

1. Smart Defence, riadenie vz. zapojenie priemyslu
2. EMC1
  - LBDM, A2G PGM, R-SOCC
3. EMC2
  - GBAD – Modular GBAD, C2, IFF
  - CBRN v rozpracovaní
4. NIAG a SaT
  - Štúdie spoločného financovania



# High Visibility Projects (HVPs)

*AIM2S*



**Accelerated Interim  
Multinational MPA Solution**

*Modular GBAD*



**Modular Ground Based  
Air Defence**

*C-RAM*



**Rapidly Deployable Mobile  
Counter Rocket, Artillery  
and Mortar**

*NGRC*



**Next Generation  
Rotorcraft Capability**

*NFTE*



**NATO Flight  
Training Europe**

*MUS*



**Maritime Unmanned  
Systems**

*C-SOCC*



**Composite Special  
Operations Components  
Command**

*R-SOCC*

**Regional Special  
Operations Component  
Command**

*MBDM*



**Maritime Battle  
Decisive Munitions**

*LBDM*



**Land Battle  
Decisive Munitions**

*A2G-PGM*



**Air-to-Ground  
Precision Guided  
Munition**

*MRTT-C*



**Multi Role Tanker and  
Transport Capability**

*MSAP*



**Multinational Special  
Aviation Program**



# NATO-Industry FORUM

**ROME**  
**Italy**  
10-11 March  
2021





## NIAG Studies: EGM & KOM - Conducted/Planned (1/2)

How it is launched?	SG number	Sponsor	Study title	Open to Partners?	EG (C / VC / R)	KOM
Phase 2	230	CASG	STANAG study for a joint safety and suitability for service evaluation process of components used in <b>guidance system of Gun Launched Guided Munitions (GLGM)</b>	Y	No EG (Phase 2) (GE / IT / BE)	KOM 22/01
Phase 2	238	NAAG /JCGGBAD	<b>GBAD Operations</b> against the 21st Century Peer Nation Cruise Missile and Unmanned Aerial Systems (UAS)	FIN/SWE/SWI	No EG (phase 2) (UK / FR / UK)	v/KOM 29/04
Face to Face NATO HQ	247	NNAG /AWWCG	Future <b>Naval Electronic Warfare</b> design	N	3/03/2020 (SP / IT-US / BE)	v/KOM 29/04
Virtually launched	248	ACT	NATO <b>Core Comms Network</b> Development Study	IP	12/05/2020 (US / UK / US)	v/KOM 12/05
Virtually launched	249	NAAG /JNLWCG	Low-Collateral Damage <b>C-UAS Effectors</b> Other than Jammers	Switzerland	17/03/2020 (TU / BE / BE)	v/KOM 27/04
Virtually launched	250	NNAG /UWWCG	<b>Sonobuoy</b> Secure Telemetry	N (Final Report potentially open to AUS, JPN, NZL, SK)	24/03/2020 (UK / FR / BE)	v/KOM 27/04
Virtually launched	251	ACT	<b>Data Centric Security</b>	IP	27/03/2020 (FR / BE / CA)	v/KOM 27/04



## NIAG Studies: EGM & KOM - Conducted/Planned (2/2)

How it is launched?	SG number	Sponsor	Study title	Open to Partners?	EG (C / VC / R)	KOM
Virtually launched	252	CNAD	<b>Emerging Disruptive Technologies (EDT)</b> in the context of Emerging Powers	N	8/4/2020 (UK / FR / UK)	v/KOM 13/05
Virtually launched	253	NAAG /LCGDSS	Assessment of <b>Human Augmentation Technologies</b> for Exploitation in Battlefield	IP and Singapore	9/4/2020 (IT / GE / GE)	v/KOM 19/05
Virtually launched	254	ACT	<b>5<sup>th</sup> Generation International Mobile Telecommunications</b> for NATO operations	IP	29/4/2020 (FR / BE / UK)	v/KOM 08/06
Virtually launched	255	ACT	<b>Provision of Software Components by Industry</b>	IP	4/5/2020 (SP / GE / ES)	v/KOM 04/06
Virtually launched	256	NNAG /UWWCG	<b>Overarching C2 for Unmanned Underwater Vehicles (UUV) Systems</b>	IP	5/5/2020 (GE / UK / ES)	v/KOM 10/06
Virtually launched	257	NAFAG /ACG2	<b>NATO's targeting and interoperability challenges for Network Enabled Weapons (NEW) in the 2035 threat environment</b>	SWE only	12/5/2020 (GE / FR / BE)	<b>v/KOM 29/06</b>
Virtually launched	258	NNAG /AWWCG	<b>Requirements for the next generation Above Water Warfare (AWW) targets</b>	(AUS, JPN, SWE, NZL)	22/6/2020 (GE/NE/US)	<b>KOM 28/07</b>
Virtually launched	259	ACT	<b>Testing, Evaluating, Verifying and Validating (TEVV) of Systems embedded Autonomous Functions (SAF)</b>	IP	19/5/2020 (BE / GE / BE)	v/KOM 22/06



# Analýza toku informácií z NATO a EÚ pre priemysel ČR

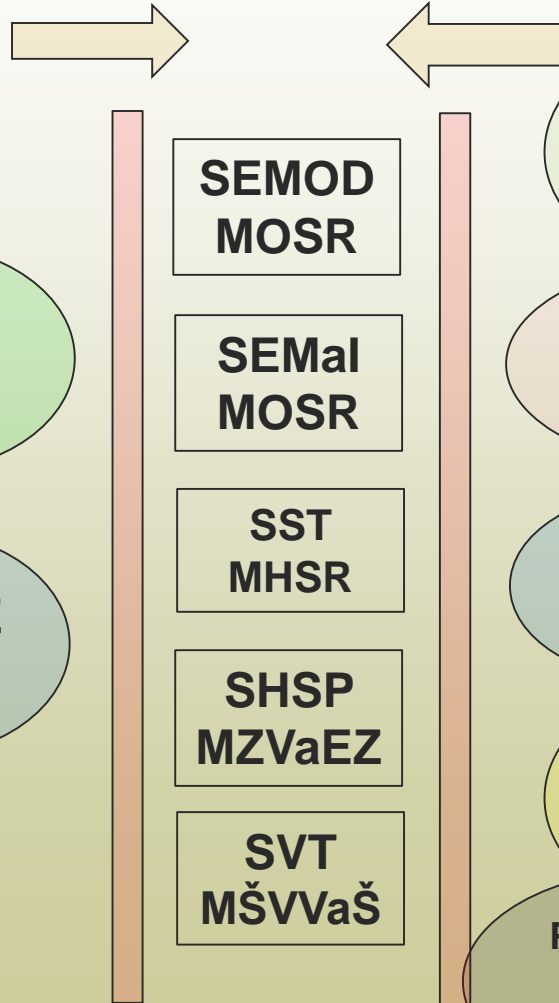


NSPA  
NCIA  
IC/NSIP  
SaT  
NIAG  
CNAD

SVK  
SD pri  
NATO

SVK SZ  
pri EÚ

EC  
EDA  
COMPET  
ČK



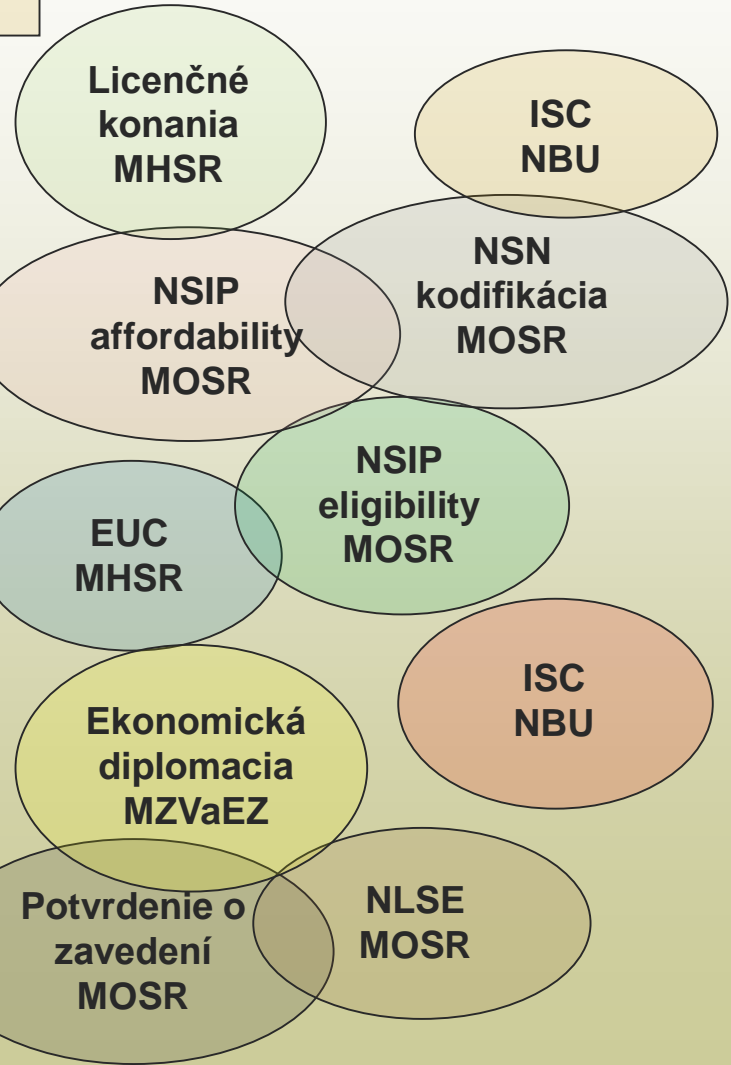
SEMOP  
MOSR

SEMAl  
MOSR

SST  
MHSR

SHSP  
MZVaEZ

SVT  
MŠVVaŠ



Licenčné  
konania  
MHSR

ISC  
NBU

NSIP  
affordability  
MOSR

NSN  
kodifikácia  
MOSR

EUC  
MHSR

NSIP  
eligibility  
MOSR

Ekonomická  
diplomacia  
MZVaEZ

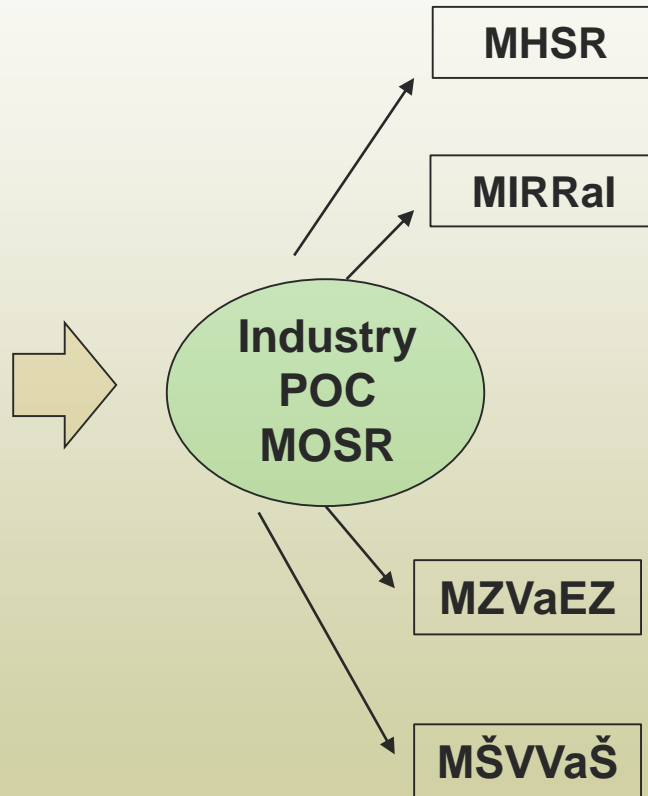
ISC  
NBU

Potvrdenie o  
zavedení  
MOSR

NLSE  
MOSR



## Optimalizácia štruktúr



### Podpora podnikom pre splnenie kvalifikačných požiadaviek:

- Vytvorenie centrálneho POC/MOSR pre spoluprácu s priemyslom
- Zdieľanie a výmena informácií na úrovni ÚOŠS (MHSR, MZVaEZ ...)
- Jednotná databáza podnikov MOSR
- Obojstranná výmena informácií v prostredí NSPA a NCI/NSIP
- Kodifikácia (NSN)
- Podpora pri zabezpečení OUS – priemyselná bezpečnosť
- Ad hoc využitie diplomacie pre podporu národného priemyslu
- Obdoba systémových opatrení pre SaT



# OTÁZKY ?

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