

Third Fixed Call for Proposals under the Requesting Party Activity (RPA) in Slovakia – SKR3

AM RPA vs. Optional Programmes

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Summary of the presentation



- Overview Calls and Activities
- AM RPA vs. Optional Programmes
 - Main Differences
 - Timelines (side by side)
- Final Remarks



Overview – AM RPA: Types of activities



The baseline activity types falling under the scope of the AM RPA are listed below. The selection and programmatic adaptation of these is decided, per call, by the RPA Board.

- Type A Research and Preparatory Activities (Technology Research Programme-like open call for Slovakia)
- **Type B** Flight and Ground segments R&D (preparation for future ESA programmes, a path to payloads)
- **Type C** Flight Opportunities (building flight heritage)
- Type D Space Science (path to inclusion in ESA science core team)
- Type E Satellite Development (preparation to build Slovakian satellite)
- Type F Space Applications (enter the market with space technology-based products, link with an early adopter)
- **Type G** Education Activities (development of qualified Slovakian workforce, academia-industry cooperation)
- **Type H** Space-Related Courses (development of key competencies)

Overview – AM RPA: Types of activities



The AM RPA is a preparatory programme targeting capability development towards the Optional Programmes. The baseline activity types falling under the scope of the AM RPA are listed below. The selection

- **ype G** Education Activities (development of qualified Slovakian workforce, academia-industry cooperation)
- **Type H** Space-Related Courses (development of key competencies)

Overview – Optional Programmes



As of Feb 2024

SCIENCE & EXPLORATION - Space Science

+ Scientific Experiment Development Programme (PRODEX)

SCIENCE & EXPLORATION — Human & Robotic Exploration

- + European Exploration Envelope Programme (E3P/Terra Novae)
 - Humans in Low Earth Orbit incl. SciSpacE
 - Humans Beyond Low Earth Orbit
 - Lunar Robotic Exploration
 - Mars Robotic Exploration
 - ExPeRT (Exploration Preparation, Research and Technology

APPLICATIONS - Earth Observation

- + Future EO Programme (FutureEO)
- + Copernicus Space Component Programme (CSC)
- + Aeolus-2 Programme
- + Earth Watch Programme
 - Earth Watch Truths
 - Earth Watch Climate-Space
 - Earth Watch Digital Twin Earth
 - Earth Watch InCubed 2

APPLICATIONS - Navigation

- + Navigation Innovation and Support Programme (NAVISP)
 - Element 1: Innovation
 - Element 2: Competitiveness
 - Element 3: Support to Member States
- + FutureNAV Programme
 - Component 1: LEO Positioning, Navigation and Timing
 - Component 2 GENESIS Mission



APPLICATIONS - Telecommunications

- + Advanced Research in Telecommunication Systems 4.0 Programme (ARTES 4.0)
 - Future Preparation (FP)
 - Core Competitiveness (CC)
 - Partnership Projects (PP)
 - Business Applications Space Solutions (BASS)*
 - Space for 5G/6G and Sustainable Connectivity
 - Space Systems for Safety and Security (4S)
 - Optical & Ouantum Communication Skylight
- + Moonlight Programme
- + Civil Security from Space (CSS)
- + ESA Programme Related to EU Secure Connectivity
 - Element 1: Governmental Infrastructure
 - Element 2: Commercial Services



ENABLING & SUPPORT - Technology & Engineering

- + General Support Technology Programme (GSTP)
 - Element 1: Develop
 - Element 2: Make
 - Element 3: Fly
 - EEE Space Sovereignty Component for Europe
 - ENDURE (EuropeaN Devices Using Radioisotope Energy)
 - SOLARIS (Space-Based Solar Power)



SAFETY & SECURITY - Space Safety

- + Space Safety Programme (S2P)
 - COSMIC (Core, Small Missions Incl. CREAM)
 - Cornerstone 1: Vigil Mission
 - Cornerstone 2: Hera Mission
 - Cornerstone 3: ADRIOS project



APPLICATIONS - Commercialisation

- + ScaleUp Programme
 - Element 1: INNOVATE
 - Element 2: INVEST

* BASS (under ARTES 4.0) is also implemented by the commercialisation team.



ENABLING & SUPPORT — Space Transportation

- + Launchers Exploitation Accompaniment Programme (LEAP)
 - Ariane 6 Exploitation Accompaniment
 - Vega Exploitation Accompaniment
 - Infrastructures
- + Ariane and Vega Product Adaptations and Exploitation Programme
 - Vega C Product Adaptations
 - Ariane 6 Product Adaptations
 - P120C Product Adaptations
 - VEGA E
- + Ariane 6 and P120C Transition Programme (A6TP)
- + Future Launchers Preparatory Programme
- Technology Disruptors and Space Logistics
- Prometheus Element
- Themis/Reusability Element
- Other Rapid Demonstrator Sub-Element
- + Space Rider Programme
 - Evolution Element
 - CSI Element
- + Commercial Space Transportation Services and Support Programme
 - Boost! 1: Commercial Space Transportation Services
 - Boost! 2: Support to Participating States
 - Boost! 3: Space Transportation Services Procurement 5



Overview – Optional Programmes for SK



Mandatory Activities

- Science Programme (Science missions and Core Technology Programme CTP)
- Basic activities (DPTD, TTP, SME, Education, Earthnet, Heritage Data...)*

Key Optional Programmes (highest level)

- General Support Technology Programme (GSTP) ►
- Element 1: Develop

Earth Observation (EO) ►

Future EO Programme (FutureEO)

- Advanced Research in Telecommunication Systems (ARTES 4.0)
- European GNSS Evolution Programme (EGEP)
- Navigation Innovation and Support Programme (NAVISP)
- Future Launchers Preparatory Programme (FLPP)
- European Exploration Envelope Programme (E3P)
- Space Safety Programme (S2P)
- ScaleUp Programme ►

Element 1: INNOVATE

AM RPA vs. Optional Prog. – Main Differences



- The goal is to strengthen the industrial base to prepare for optional programmes & attract newcomers
- Bottom-up activities in our calls, the idea
 or objective is proposed by the bidder
- Focus is on fostering and developing the Slovak space ecosystem
- 20% budgetary limit to non-Slovak entities
- RPA is implemented on behalf of 3rd parties so **not a part of the geographical return**

AM RPA (Requesting Party Activities)

- Each optional program has its own goals and specific scopes
- Top-down activities the objective usually comes from ESA (via SoW) (exception: GSTP)
- Focus is on fostering and developing the European space ecosystem
- Countries need to subscribe to gain access to the calls. Geo-return is calculated and ensured at programme level – in a nutshell, "each country gets back what it puts in"

OPTIONAL PROGRAMMES

AM RPA vs. Optional Prog. – Main Differences



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RPA MUST NOT BE CONSIDERED AS A REPLACEMENT FOR ESA OPTIONAL PROGRAMMES:

Any activity that can be done in ESA optional programme subscribed to by the AM is excluded from the scope (especially for act. type B)

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access

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AM RPA (Requesting Party Activities)

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OPTIONAL PROGRAMMES

Timelines for a Call – Side by Side



AM RPA Call is Open		Evaluation Period			Contract Awarding	
Call is issued	Call is closed	ТОВ	TEB	IPC	Debrief Negotiation	KOM
Optional Programme Call is Open		Evaluation Period			Contract Awarding	
Call is issued	Call is closed	ТОВ	TEB	IPC	Debrief Negotiation	KOM

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1					<u> </u>	Negotiatio	n
							roval is done TT is issued
	Tender Package includes a SoW (e.g. Future EO)	Different propos Permanent Op	· · · · · · · · · · · · · · · · · · ·		LoS from Dele required (e.g.		

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Call is issued	Call is closed	ТОВ	TEB	IPC	Debrief Negotiation	KOM
Two-phase process (i.e., pre-selection)	Different criter		ts (e.g., undeally in the cas		Debrief in summary of T	

Final Remarks



- Firstly, DO NOT PANIC: process-wise, there are more similarities than differences between the AM RPA calls and the Optional Programmes ones.
- Secondly, the good news:
 - + Typically higher budget (plus no limitations for non-SK partners)
 - + More prestigious (establish and strengthen your position in the industry)
- However, these calls are not restricted to SK entities, which means:
 - More competition (expect a lower rate of acceptance)
 - And thus a higher level of maturity and quality is expected

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This afternoon you'll have the opportunity to speak 1-on-1 with ESA experts from GSTP and Future-EO. Use this opportunity to get information on <u>future calls</u> and to get <u>guidance/advise on your next proposal idea.</u>

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Questions?



For questions related to specific projects or issues use the one-on-one sessions. In the one-on-one sessions please **do not ask general questions** – they are very limited in time.



For issues **DIRECTLY** related to this Call, contact the **Contract Officer**:

Email: ysee.douenne@ext.esa.int

For issues **NOT** related to this Call, feel free to contact the **Country Desk Officer**:

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