

**AVT PANELİ DEVAM EDEN/PLANLANAN FAALİYETLER**

<b>SIRA NO</b>	<b>FAALİYET KODU</b>	<b>FAALİYET KONUSU</b>	<b>FAALİYET TÜRÜ/DÖNEMİ</b>	<b>DURUMU</b>
1.	AVT-380	Ground Vehicle Ride Quality Testing and Analysis with Complex Terrain	RTG MSM (Ocak 2024- Aralık 2026)	Devam Eden
2.	AVT-381	Maintenance Modeling in UxV Design for Improved Readiness & Endurance	RTG MSM (Ocak 2024- Aralık 2026)	Devam Eden
3.	AVT-382	Dynamic Reconfigurable Mission Planning for Improved Readiness of Autonomous Military Vehicles	RTG MSM (Ocak 2024- Aralık 2026)	Devam Eden
4.	AVT-386	Assessment of Vortex-Vortex Interaction and Cavitation Inception	RTG PSF (Ocak 2024- Aralık 2026)	Devam Eden
5.	AVT-387	Common Research Wind Tunnels for CFD Verification and Validation	RTG PSF (Ocak 2024- Aralık 2026)	Devam Eden
6.	AVT-388	Operation of Unmanned Aerial Vehicles (UAVs) in Icing Environments	RTG PSF (Ocak 2024- Aralık 2026)	Devam Eden
7.	AVT-389	Understanding Risk due to Reynolds Scaling Effects on the Stability and Control for Future Combat Aircraft Development	RTG PSF (Ocak 2024- Aralık 2026)	Devam Eden
8.	AVT-390	Vortex Flow Predictions for Stability and Control of Missile Airframes	RTG PSF (Ocak 2024- Aralık 2026)	Devam Eden
9.	AVT-392	Assessment of numerical methods for complex flow over marine control surfaces	RTG PSF (Ocak 2024- Aralık 2026)	Devam Eden
10.	AVT-395	Enhanced weapons performance through new energetic molecules/formulations/processing	RTG PPS (Ocak 2024- Aralık 2026)	Devam Eden
11.	AVT-399	Assessment of Experiments and Prediction Methods for Naval Ship Transient Maneuvers in Calm Water and Waves	RTG PSF (Ocak 2025- Aralık 2027)	Devam Eden
12.	AVT-MSG-401	Augmented Reality in land operations: Balancing risks and chances in technical and human systems challenges	RTG MSM (Ocak 2025- Aralık 2027)	Devam Eden

SIRA NO	FAALİYET KODU	FAALİYET KONUSU	FAALİYET TÜRÜ/DÖNEMİ	DURUMU
13.	AVT-402	Active Flow Control Applied to Air Inlets for High-Speed Propulsion Systems	RTG PSF (Ocak 2025- Aralık 2027)	Devam Eden
14.	AVT-404	Enhanced Design Processes of Military Vehicles through Machine Learning	RTG PSF (Ocak 2025- Aralık 2027)	Devam Eden
15.	AVT-SCI-405	Conceptual Aggregated Design of Hypersonic Glide Vehicle (HGV)	RTG PSF (Ocak 2024- Aralık 2026)	Devam Eden
16.	AVT-406	Innovative Solutions for Micro-Propulsion Systems for Small Spacecraft	RTG PPS (Ocak 2024- Aralık 2026)	Devam Eden
17.	AVT-413	Physics and modeling of Separated Flows Around Smoothly-Curved Bodies	RTG PSF (Ocak 2025- Aralık 2027)	Devam Eden
18.	AVT-414	Acoustic Mission Planning and Environmental Impact Analysis for UAS and UCA (<5000kg)	RTG PSF (Ocak 2025- Aralık 2027)	Devam Eden
19.	AVT-415	Advanced Noise Reduction Methodologies and Design Efforts for Aircraft	RTG PSF (Ocak 2025- Aralık 2027)	Devam Eden
20.	AVT-SET-417	Materials for Thermal Infrared Camouflage – Development and Characterization	RTG MSM (Ocak 2025- Aralık 2027)	Devam Eden
21.	AVT-428	Integration Benefits of Novel Engine Concepts for Future Aircraft	RTG PPS (Ocak 2025- Aralık 2027)	Devam Eden
22.	AVT-430	Methods and Tools for Qualification of Advanced/Emerging Propulsion Systems	RTG PPS (Ocak 2025- Aralık 2027)	Devam Eden
23.	AVT-431	Digital System Models for Integrated Propulsion, Power & Thermal Systems for Military Aircraft Design and Performance Avaluation	RTG PPS (Ocak 2025- Aralık 2027)	Devam Eden
24.	AVT-SET-HFM-SAS-433 (Cross Panel)	Electro-optic scatterometry–application in computational platform signature modelling	RTG MSM (Ocak 2025- Aralık 2027)	Devam Eden

SIRA NO	FAALİYET KODU	FAALİYET KONUSU	FAALİYET TÜRÜ/DÖNEMİ	DURUMU
25.	AVT-418	Sustaining Energetic Materials Capability for The Future	RTG PPS (Ocak 2026- Aralık 2028)	Yeni Başlayacak
26.	AVT-419	Demonstration of Novel Control Allocation Methods	RTG PSF (Ocak 2026- Aralık 2028)	Yeni Başlayacak
27.	AVT-420	End-to-End Framework for Signature Modelling of Advanced Weapons Systems	RTG PSF (Ocak 2026- Aralık 2028)	Yeni Başlayacak NATO SECRET
28.	AVT-423	Quantum-Aided Design for Military Applications	RTG PSF (Ocak 2026- Aralık 2028)	Yeni Başlayacak
29.	AVT-424	Mission Led Design of Air Vehicles With Active Flow Control	RTG PSF (Ocak 2026- Aralık 2028)	Yeni Başlayacak
30.	AVT-426	Three-Dimensional Unsteady Flow Interactions with Rigid Wings	RTG PSF (Ocak 2026- Aralık 2028)	Yeni Başlayacak
31.	AVT-427	Environmental Technologies for Sustainable Live-Fire Military Ranges in a Climate Change Context	RTG PPS (Ocak 2026- Aralık 2028)	Yeni Başlayacak
32.	AVT-436	Stability & Control and Loads Predictions of NATO Military Vehicles	RTG PSF (Ocak 2027- Aralık 2029)	Yeni Başlayacak
33.	AVT-437	Modeling and Simulation of Shipboard Uncrewed UAS	RTG PSF (Ocak 2027- Aralık 2029)	Yeni Başlayacak
34.	AVT-439	Predicting Hypersonic Boundary-Layer Transition in realistic conditions	RTG PSF (Ocak 2027- Aralık 2029)	Yeni Başlayacak
35.	AVT-440	Active Flow Control and Buffeting Alleviation for Fighter-Type Configurations	RTG PSF (Ocak 2027- Aralık 2029)	Yeni Başlayacak
36.	AVT-442	Experiments And Modelling of High-Reynolds Number External and Internal Turbulent Hypersonic Flows	RTG PSF (Ocak 2027- Aralık 2029)	Yeni Başlayacak
37.	AVT-443	Operationalizing Additive Manufacturing for NATO Operations and Logistics	RTG MSM (Ocak 2027- Aralık 2029)	Yeni Başlayacak

SIRA NO	FAALİYET KODU	FAALİYET KONUSU	FAALİYET TÜRÜ/DÖNEMİ	DURUMU
38.	AVT-444	Life-Cycle Assessment as a Strategic Tool for a Sustainable Defense	RTG MSM (Ocak 2027- Aralık 2029)	Yeni Başlayacak
39.	AVT-445	Characterization, Modelling and Experimental Analysis of Ablative Materials for High Temperature Applications	RTG MSM (Ocak 2027- Aralık 2029)	Yeni Başlayacak
40.	AVT-449	Time Critical Strike – a Trade Off for Available and Future Systems	RTG PPS (Ocak 2027- Aralık 2029)	Yeni Başlayacak NATO SECRET
41.	AVT-ET-262	Towards 100% SAF Approval on NATO Aircrafts: Challenges and Hurdles	ET PPS (Ocak 2026- Aralık 2026)	Yeni Başlayacak

Faaliyetlerin içeriğine ilişkin ilave bilgi ve sorularınız için Fiz.Müh.Şeyda YILMAZ ([seyda.yilmaz@msb.gov.tr](mailto:seyda.yilmaz@msb.gov.tr)) ile irtibata geçebilirsiniz.

- \*ET-Exploratory Team: Ön Araştırma Timi
- \*RTG-Research Task Group: Araştırma Görev Grubu
- \*RLS-Research Lecture Series: STO Ders Serisi
- \*RSY-Research Symposium: STO Sempozyumu
- \*RSM-Research Specialist's Meeting: STO Uzmanlar Toplantısı
- \*RWS-Research Workshop: STO Çalıştayı
- \*RTC-Research Technical Course: STO Teknik Kursu
- \*RST-Research Specialist's Team: STO Uzmanlar Timi