



**MARYLAND STATE POLICE  
AVIATION COMMAND  
YEAR IN REVIEW**

**EMS BOARD/SEMSAC JOINT MEETING  
JANUARY 15, 2025**





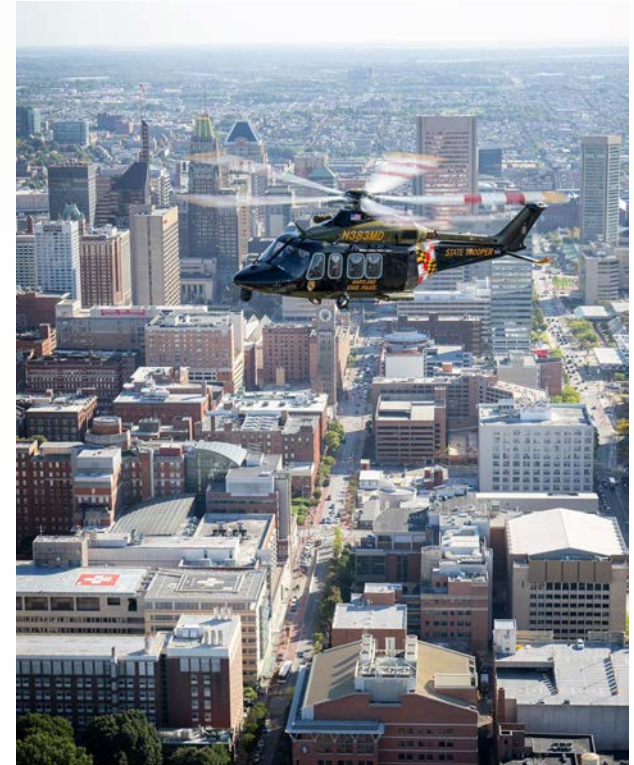
# MSPAC 2024 Mission Data

Total Completed Missions: 2867

- -32 or -1.10%
- 2023: 2899 missions

Total Flight Hours: 2520.3

- +81.5 or +3.3%
- 2023: 2438.8



Total Flight Training Hours

- 515 Missions
- 502.9 Hours





# MSPAC 2024 Mission Data

TROOPER 1	MISSIONS	HOURS
2024 TOTALS	486	404.3
2023 TOTALS	554	420.5
PERCENTAGE CHANGE	-12.3%	-3.9%

TROOPER 5	MISSIONS	HOURS
TOTALS	282	278.9
2023 TOTALS	273	268.5
PERCENTAGE CHANGE	3.3%	3.9%

TROOPER 2	MISSIONS	HOURS
2024 TOTALS	515	365.2
2023 TOTALS	536	360.9
PERCENTAGE CHANGE	-3.9%	1.2%

TROOPER 6	MISSIONS	HOURS
TOTALS	385	362.7
2023 TOTALS	343	304
PERCENTAGE CHANGE	12.2%	19.3%

TROOPER 3	MISSIONS	HOURS
TOTALS	477	405.3
2023 TOTALS	410	353.4
PERCENTAGE CHANGE	16.3%	14.7%

TROOPER 7	MISSIONS	HOURS
TOTALS	405	335.1
2023 TOTALS	430	344.2
PERCENTAGE CHANGE	-5.8%	-2.6%

TROOPER 4	MISSIONS	HOURS
TOTALS	317	368.8
2023 TOTALS	353	387.3
PERCENTAGE CHANGE	-10.2%	-4.8%





# Whole Blood Program

- Program Totals Since Inception: 211 Units/163 Patients
- 2024 Totals
  - Total # of Units of Blood Administered: 134
  - Total # of patients: 100
- Two patients received 3 and 4 units respectively before ever arriving at the hospital.
- 1,163 units rotated through without a single unit wasted.
- Dr. Floccare, F/Sgt Svites, Sgt. Heins and Cpl. Peterson were recognized at the annual SERMA conference and received the “Award for Heroism” for their dedication and work to implement the Whole Blood Program.





# Hoist Missions Statistics

- 2024 YTD: 14 (-4 or -0.22%)
- 2023: 18
- 2022: 10

APRIL 18, 2024

MSPAC participated in a collaborative joint training Drill in Frederick County with Local and State Agencies along the C & O Canal between Dam 3 and Brunswick. This joint exercise simulated a hypothetical emergency scenario requiring multi-jurisdictional aid and coordination. The purpose of this training was to enhance interagency cooperation and preparedness in response to potential emergencies. Participants included multiple local and state agencies, such as state and local fire and law enforcement departments, aircraft support, and specialty teams.





# NOTABLE EVENTS



2/5/24: Trooper 5 was requested to the scene of a car vs. tractor trailer with heavy entrapment on McMullen Highway in Rawlings, Allegany County. Recognizing the severity of injuries and extensive entrapment, the Shock Trauma GO-TEAM was deployed by Trooper 1 to the scene. Whole Blood was administered on scene, with additional airway management before transporting the patient and GO-TEAM to Shock Trauma in Baltimore.

3/10/24: Trooper 6 and Trooper 2 responded to the scene of a motor vehicle collision in Queen Anne's County. Queen Anne's County Fire and EMS personnel coordinated flawlessly with our crews to transport multiple patients to Shock Trauma in Baltimore.





# NOTABLE EVENTS

3/15/24: Trooper 3 - Frederick was requested by Frederick Co. Fire/EMS to hoist a hiker with a severe leg injury off of Chimney Rock at Catoctin Mountain Park in Thurmont. Trooper 3 deployed a Trooper Paramedic to awaiting Advanced Technical Rescue personnel, quickly packaged the patient and hoisted them into the helicopter. The hiker was flown to Meritus Medical Center for further treatment.



6/8/24: Trooper 5 - Cumberland section successfully hoisted an injured hiker from the Swallow Falls State Park in Garrett County, Maryland. Emergency personnel from Garrett County requested the assistance of Trooper 5 out of Cumberland to hoist the hiker from a set of rocks on the water. The crew of Trooper 5 successfully hoisted the hiker and flew them to UPMC Western Maryland in Cumberland for further treatment.





# NOTABLE EVENTS

11/1/24: MSPAC working together with Anne Arundel County Fire Department, the Go Team and others at the scene of an extended extrication on I-97. Trooper 2 responded to the scene, with Trooper 1 bringing the Go Team. After extrication by AACoFD, Trooper 2 transported the patient to Shock Trauma with the Go Team onboard.



11/28/24: Three MSP aircraft responded to St. Mary's County for a motor vehicle collision with four patients requiring medevac services. Trooper 7- Southern Maryland Section's flight crew provided advanced airway management and transported a patient to Shock Trauma. Trooper 2- Washington Section transported two patients to Medstar Washington Hospital Center in D.C and Trooper 4- Salisbury Section transported a patient to Tidal Health in Salisbury.







# NOTABLE EVENTS

6/21/24: First responders were at a separate accident scene in Harford County, MD when they heard two tractor trailers collide, heavily entrapping a subject. Trooper 1 Baltimore section responded to the scene, while Trooper 2 Washington section flew the Shock Trauma GO TEAM.



The patient was administered blood and flown to Shock Trauma after the extended extrication. The Shock Trauma GO TEAM is a team of doctors and nurses and is often utilized for patients with suspected life-threatening injuries when extrication times are estimated to exceed 1-hour.





# AWARDS

11/2/245: 2 Aircrews received the Shock Trauma Hero Award and many other recognized by local Hospital, EMS and Safety Programs.





# PERSONNEL

## 19% Sworn Vacancy Rate

- 9 Medic Upgrades from Rescue Technician to Crew Chief
- 3 New Trooper Medics in Training
- 3 Additional Trooper Medic transfers effective 1/22/25



- 2 Retirements in 2024
- 20 Sworn Vacancies





# PERSONNEL

## 11% Civilian Vacancy Rate

- 2024 Hires: 12
  - 7 Pilots/1 Chief Pilot
  - 3 Maintenance Division/1 Administrative Support Staff
- 2024 Reclassification: 8
- 2024 Internal Promotions: 12
- 2024 Retirements/Resignations: 5
- Current Vacancies
  - 7 Helicopter Line Pilots
  - 3 Maintenance Division Personnel
  - 1 Program Manager III (DFO)





# FLEET

## 5 Outsourced Maintenance Service Orders

09/25/2023	N383MD	4YR / 1200HR	\$694,461.39
12/06/2023	N386MD	4YR / 1200HR	\$474,628.4
02/22/2024	N384MD	4YR / 1200HR	\$536,689.49
05/28/2024	N390MD	1YR / 300HR	\$172,083.59
07/09/2024	N387MD	4YR / 1200HR	TBD

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**\$1,877,862.92**

4 Internal Maintenance Heavy Inspections completed by MSPAC





# FLEET

- \$2.6M Aircraft Fleet Radio and Axnes PNG Wireless Intercom System upgrades underway
  - 9/4/24 - 1st Aircraft upgrade completed
  - 9/5/24 – 2nd aircraft N387MD at vendor for installation
- \$1.2M Mission Management System (MMS) procurement underway with RFP's being accepted





# FY25 - Aviation Special Funds Projections

Object	Appropriated	Expended	Encumbered	Anticipated	Projected Surplus/Deficit
01 - Salaries	35,821,513	17,318,634	0	19,840,786	(1,337,907)
03 - Communications	56,015	32,831	0	32,831	(9,646)
04 - Travel	195,294	24,646	0	24,646	146,002
06 - Utilities	170,740	55,790	22,298	55,790	36,862
07 - Motor Vehicles	7,304,446	4,429,586	2,269,425	1,244,106	(638,671)
08 - Contractual Services	577,909	275,597	179,665	348,026	(225,379)
09 - Supplies and Materials	239,100	332,970	24,565	335,902	(454,338)
10 - Replacement Equipment	247,900	11,107	0	26,107	210,686
13 - Fixed Charges	598,455	387,718	0	282,864	(72,127)
<b>TOTAL</b>	<b>45,211,372</b>	<b>22,868,879</b>	<b>2,495,953</b>	<b>22,191,058</b>	<b>(2,344,518)</b>

MSP Budget Director meeting with DBM later this week to discuss funding allocation discrepancies





# Response to Key Bridge Collapse

- MSPAC deployed multiple aircraft in the initial response to the Key Bridge collapse to search for survivors and conduct damage assessments.
- At the onset of the incident, MSPAC was swift to provide aircraft overwatch, personnel and expertise in coordination with our local, state and federal partners.
- The MSP UAS Drone Team responded to the Key Bridge to assist with recovery efforts and conduct numerous reconstruction flights over the next several months.
- MSPAC deployed Command Staff and aviation personnel to support the Unified Command and function as the “Air Boss” for the remainder of the response.
- MSPAC personnel coordinated with the Federal Aviation Administration to establish a Temporary Flight Restriction (TFR) over the Key Bridge to allow responders a safe operational airspace to conduct response operations.
- Over 25 MSPAC personnel staffed the Aviation Branch watch desk controlling the airspace for all responder agencies conducting manned/unmanned operations.
- MSPAC personnel staffed the incident command center for a total of 53 days and over 1350 manhours.

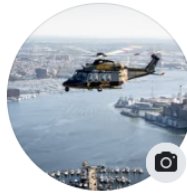






# MSPAC Social Media Footprint

- Facebook: 88K followers
- Instagram: 5K followers



**Maryland State Police - Aviation Command**

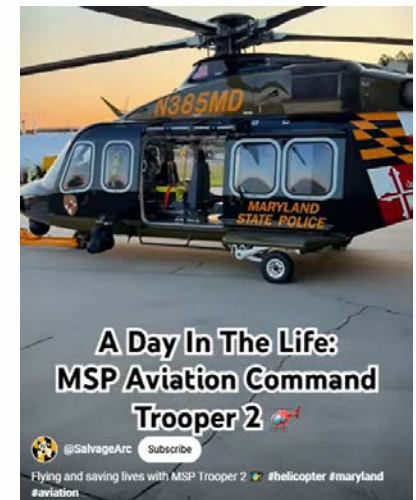
88K followers • 65 following



<b>Views</b> ⓘ <b>2,296,658</b>	<b>Reach</b> ⓘ <b>1,003,279</b>	<b>Content interactions</b> ⓘ <b>39,490</b>	<b>Follows</b> ⓘ <b>2,711</b>
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- MSPAC was highlighted in Vertical Magazine as one of the premier Law Enforcement Helicopter Medevac and Search and Rescue Program's in the country with 27K views on YouTube.



- MSPAC's program was featured in a media piece produced by social media influencer "TheDoctorMedic" with over 13K views on YouTube and other social media platforms.



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Questions