



PERFORMANCE VECTOR UNMANNED

Sharing the Skies with Unmanned Aircraft Systems

No aviation sector has grown more than the use of unmanned aircraft systems (UAS). In the United States, registered UAS now outnumber registered manned aircraft. Performance Vector Unmanned helps foster safe use by providing UAS operators with the tools to be fully compliant with all regulations. The program helps create a competent and responsible operator base for commercial UAS.



Available to UAS-Only Policyholders

Since UAS-only policies are not eligible for Performance Vector, we created a separate program specifically for these policyholders. We call it Performance Vector Unmanned. This evolving set of resources and services boosts the safety and compliance of USAIG-insured UAS operators. It refreshes with each policy renewal. Please check back, as PV Unmanned options will grow and advance in step with the needs of the dynamic UAS industry.

Performance Vector Unmanned Program Options

Policyholder options are summarized in the table on page 2 and described in greater detail in the paragraphs that follow.

<u>Service Package</u>	<u>Who Qualifies?</u>
<i>Online sUAS Ground School course</i> <i>FlyRight Package</i> Includes: sUAS SOP Template \$500 USI online training credit	Any UAS policyholder can get one (1) sUAS Ground School course enrollment OR choose the FlyRight Package instead
<i>SafetyPartner Package</i> Includes: sUAS SOP Template sUAS SMS Manual Template sUAS ARMOR FRAT & HAZREP access 45 min overview tele-consult w/ARGUS rep \$1500 USI online training credit	UAS policyholders that insure fifteen (15) or more unmanned aircraft with USAIG.
<i>SafeFlight Package</i> Includes: sUAS SOP Template sUAS SMS Manual Template sUAS ERP Template sUAS ARMOR FRAT & HAZREP access 45 min overview tele-consult w/ ARGUS rep ARGUS Unmanned Platinum Audit Standard \$3000 USI online training credit	UAS policyholders that insure thirty (30) or more unmanned aircraft with USAIG.

Our entry level of Performance Vector Unmanned safety support (FlyRight Package or Online sUAS Ground School) offers a valuable boost to any UAS operation's capabilities and safety posture. Our more advanced SafetyPartner and SafeFlight options help operations of increasing complexity and volume of UAS flight activity integrate best practices into planning and managing their UAS missions. It's important to note that every UAS policy is eligible for some level of Performance Vector Unmanned services. To activate this benefit, contact your insurance broker, who can assist with confirming your eligibility and submitting your Performance Vector Unmanned enrollment. The various components of Performance Vector Unmanned services are described in greater detail on page 3.

Our basic level of Performance Vector Unmanned safety support offers a valuable boost to any UAS operation's capabilities and safety posture. It **can be accessed for any UAS policy** by enrolling the policy in Performance Vector Unmanned. **Choose either** an enrollment for one trainee in the sUAS Ground School Course or the FlyRight Package.

Small UAS Ground School Course

Provides enrollment for one trainee in an online course that sets a sturdy foundation of required knowledge for remote pilots of UAS less than 55 pounds. The course addresses all pertinent aeronautical knowledge factors outlined by the FAA for the Unmanned Aircraft General (UAG) examination and augments those with safety concepts and practices to develop well-informed and responsible remote pilots. Students who successfully complete the course are well prepared to pass the UAG exam. Access is provided for three (3) months from the date of initial enrollment. Online quizzes are integrated at appropriate points to confirm retention of key concepts. Successful course completion (signified by earning at least 80% on an end-of-course exam) enables the trainee to print a course completion certificate. The course has eight units:

- Unit 1: Small UAS Foundations
- Unit 2: Unmanned Aircraft
- Unit 3: The Elements
- Unit 4: Regulations and Compliance
- Unit 5: Operating in the National Airspace System
- Unit 6: Human Factors of UAS and Crew Resource Management
- Unit 7: Aeronautical Decision Making
- Unit 8: Professionalism and Maintenance

FlyRight Package

The FlyRight Package supports safely standardizing and expanding sUAS operations. It includes a Standard Operating Procedures (SOP) manual template that the user customizes to fit the operation, along with a training credit that can be applied toward enrollment into online UAS operator training courses provided by the Unmanned Safety Institute (USI).

- The ARGUS Unmanned sUAS Standard Operating Procedures (SOP) Manual Template
 - Provides a standard and structure for improving internal processes in professional commercial UAS operations. The manual is provided in editable word-processor format so it can be easily edited and adapted to meet the requirements and complexity of each operator. Consultative assistance with customizing the manual is available for additional fees.
- A \$500 credit is provided for online training the policyholder can select from the Unmanned Safety Institute (USI), a leading provider of UAS training and operational resources.

SafetyPartner Package

Includes the basic services of the FlyRight Package (above) and expands on those with items to establish or strengthen a UAS Safety Management System (SMS). An SMS manual template is added, along with 12 months of access to ARGUS's ARMOR online tools to facilitate efficiently managing flight risk assessment and hazard/incident reporting processes. Additional training credit for Unmanned Safety Institute (USI) online UAS operator training courses is provided to support continuing education for existing remote pilots, or to help meet new remote pilot training needs as the operation expands. The package includes:

- The ARGUS Unmanned sUAS Standard Operating Procedures (SOP) Manual Template
 - Provides a standard and structure for improving internal processes in professional commercial UAS operations. The manual is provided in editable word-processor format so it can be easily edited and adapted to meet the requirements and complexity of each operator.

- ARGUS Unmanned sUAS Safety Management System (SMS) Manual Template
 - Based on ICAO SMS Structure in conjunction with UAS SME development support. The SMS manual outlines procedures to ensure the best results from utilizing a safety management system. The SMS manual ensures an organization's UAS operations are addressing Safety Policy, Risk Management, Safety Assurance, and Safety Promotion in order to reduce/manage risk and improve processes.
- A 45-minute tele-consulting session with an ARGUS Unmanned representative
 - Provide a familiarization with manual templates and recommended strategies to customize them effectively for organizational use. Additional contracted support for manual development is available for additional fees.
- One year (12 months) access to PRISM ARMOR sUAS Flight Risk Analysis (FRAT) & Hazard Reporting (HAZREP) software tools
 - ARMOR's intuitive FRAT and HAZREP system is easily accessible online, and reports can be submitted via iPhone® and iPad® worldwide 24/7. This comprehensive solution is customizable and fits the specific needs of an organization for operations both large and small.
- A \$1500 credit for online training the policyholder can select from the Unmanned Safety Institute (USI), a leading provider of UAS training and operational resources.

SafeFlight Package

Includes all elements of the packages shown on the previous pages and expands on those with an organizational Emergency Response Plan template and an increased allocation of training credits for Unmanned Safety Institute (USI) online UAS operator training. Additionally, it provides access to the ARGUS Unmanned Platinum Audit Standard to support the operation's implementation of best industry practices and progress toward earning that accreditation. The package includes:

- The ARGUS Unmanned sUAS Standard Operating Procedures (SOP) Manual Template
 - Provides a standard and structure for improving internal processes in professional commercial UAS operations. The manual is provided in editable word-processor format so it can easily be edited and adapted to meet the requirements and complexity of each operator.
- ARGUS Unmanned sUAS Safety Management System (SMS) Manual Template
 - Based on ICAO SMS Structure in conjunction with UAS SME development support. The SMS manual outlines procedures to ensure the best results from utilizing a safety management system. The SMS manual ensures an organization's UAS operations are addressing Safety Policy, Risk Management, Safety Assurance, and Safety Promotion in order to reduce/manage risk, improve processes.
- ARGUS Unmanned sUAS Emergency Response Plan (ERP) Manual Template
 - The Emergency Response Manual organizes the response to a UAS or personnel emergency to include contact information, insurance requirements, immediate response procedures, and specific standards for reaction. This in-depth ERP ensures emergencies that occur are properly and efficiently managed by the organization.
- A 45-minute tele-consulting session with an ARGUS Unmanned representative
 - Provides a familiarization with the manual templates and recommended strategies to customize them effectively for organizational use. Additional contracted support for manual development through ARGUS Unmanned is available for additional fees.
- One year (12 months) access to PRISM ARMOR sUAS Flight Risk Analysis (FRAT) & Hazard Reporting (HAZREP) software tools
 - ARMOR's intuitive FRAT and HAZREP system is easily accessible online, and reports can be submitted via iPhone® and iPad® worldwide 24/7. This comprehensive solution is customizable and fits the specific needs of an organization for operations both large and small.
- Access to the ARGUS Unmanned Platinum Audit Standard (Does not include audit to standard)
 - The ARGUS Unmanned Audit Standard is designed to provide Unmanned Aircraft Systems (UAS) operators with a comprehensive standard that can be used to evaluate UAS operations for compliance, safety, and the implementation of industry best practices.
- A \$3000 credit for online training the policyholder can select from the Unmanned Safety Institute (USI), a leading provider of UAS training and operational resources.