SMG
SUNDANCE MEDIA GROUP
UAS EDUCATION AND CONSULTING

NIGHT UAV FLIGHT

Night Flight Training

This one-of-a-kind training session will provide information that will allow pilots to understand the safety issues and physical challenges presented when flying UAVs at night. This course will ensure a best-practice process to sidestep these challenges, while properly assessing and managing the risks associated with night flight (as waived per Part 107.29). You'll also learn the foundation of applying for a COW/COA for night flight from an experienced night-flight pilot. We will also discuss acclimating your eye for night flight. We will also cover the use of lights to illuminate our subjects and how to avoid "light contamination" in our eyes.

After a comprehensive classroom theory session (approximately 2.5 to 3 hours), we will then head out to a pre-agreed upon location for the practical component of this night flight training. Our instructors will present different types of visual illusions that commonly occur at night. In this practical hands-on class, we will discuss visual illusions as well as best practices for night flying. We will cover Autokinesis and Night Landing Illusions and how to avoid them.

Format

Session Description – One Day Training Session	Training Time
Classroom Training & Testing	2.5 - 3 hours
Practical In-Field Training**	3 - 4 hours
Total Session	**5.5 – 7 hours**

** One instructor + assistant for every 5 attendees

Includes

- 1 Certificate of night flight training
- 1 Red light flashlight
- 1 Night Flight Manual

*Includes SMG's UAVs outfitted with FAA required lighting.

Introduction to Sundance Media Group

Based in Henderson, Nevada and West Jordan, Utah, Sundance Media Group (SMG), has been producing training for trade events for over 30 years. Instructors from SMG have taught, presented workshops, and have participated in panels worldwide. Over the years, SMG's area of focus has been audio, video and software applications for production and post-production.

Today SMG serves as a consultant within the sUAS industry, offering training and speaking engagements on sUAS topics ranging. Our instructors have undergone FITS training and have taught, presented workshops and participated in panels, conferences, and private instruction events worldwide. Our team also offers drone services for a variety of industries.

The SMG team is *vendor neutral,* where we collaborate with manufacturers, service providers, and software developers, and share forward our clients' needs. SMG has been working and training UA/drones since 2010 from a variety of perspectives, including product development with manufacturers and the development of vertically specific marketing content. This unique ecosystem of communication has evolved into knowledge of best-practices for the industry.

Additionally, SMG assists in standing up sUAS/UAV programs for corporations and public safety agencies with services ranging from creation of policy documents to operational standards, and vertically-focused practical instruction. With an intimate knowledge of the FAA FARs and FSIM; our collective experience with instructors and sUAS pilots nationwide are our foundation for creating a best-practices for everything UA/drone/sUAS.

BIOS OF UAV INSTRUCTORS

Douglas Spotted Eagle

Douglas has a long history in aviation; he is one of two FAI International Judges in the USA, a USPA National Judge, with ratings as a USPA Instructor/Examiner, and one of a few Safety and Training Advisors at Large in North America, in addition to sport pilot ratings. With over 350 hours of flight time, over 6,000 skydives, and having completed numerous aerial cinematography projects, Douglas has an intimate knowledge of the FAA FARs and FSIMs. Douglas is an FMC instructor with 18 years of experience teaching Sony, Apple, Adobe, and production hardware and software practices. Skydiving, flying, video, and music are Douglas' passions.

(Kevin) Brady Reisch

Brady moved to Las Vegas to pursue a career in architectural drafting and quickly incorporated aerial photography into the architecture firm and discovered his passion for sUAS (drones). In order to combine his love for videography, cinematography, and sUAS, Prone to Drone was brought to life. As the owner/operator of Prone to Drone, Brady is an sUAS field service provider and proudly holds a class B-authorization for the Las Vegas strip. Beyond being a field service provider, Brady also trains and educates other sUAS pilots to safely and legally operate in the National Airspace System (NAS). Brady is committed to risk mitigation, safe sUAS flight practices, and legal flight requirements and is excited to share his knowledge and experience with others.

David Martel

David's 24-year career in law enforcement began while serving his country in the United States Air Force. After serving his country, he became a police officer with the Las Vegas Metropolitan Police Department. David was able to create and establish the sUAS Program for the LVMPD and is one of the pioneers in establishing sUAS use in public safety here in the State of Nevada. In April of 2017, he was appointed to the NFPA Technical Committee for Unmanned Aircraft Systems and currently still serves as a committee member. Martel currently sits on the Board of Directors for the Las Vegas Police Protective Association as well.

John Kuch

John is a retired detective from Fairfax County Police Department. He retired after 26 years of service having served in undercover narcotics, major crimes investigations and the last 17 years being spent in the Electronic Surveillance Section. He was also on the Underwater Search and Recovery Unit.

John has been flying drones since 2015, flying, at first, for personal use and then transitioning into using them for work. He received a certificate for ground school from Unmanned Vehicles University and then received his Nighttime certification, Instructor certification as well as Risk Mitigation certificate from Sundance Media Group. John has used his Part 107 certificate for flying drones in several contracted exercises, video for a restaurant and wine bar webpage, creating 3D mapping of facilities to be used in training scenarios and videography of several private events. He has also been involved in testing rapidly deployed communication links via drones.

Brent Hannig

Brent Hannig is a 27-year veteran with the Henderson Fire Department in the Las Vegas Valley. He has been a Firefighter, Fire Engineer, and a Fire Captain for the last 13 years and is currently a Training Captain in the HFD Training Division. In 2017, Brent took a position in the training division, where one of his responsibilities was to continue the progression of the Henderson Fire Department sUAS program.

Daniel "Scott" Marek

Daniel "Scott" Marek is a visionary with UAVs within the public safety sector. Scott advocated the use of UAVs within law enforcement in 2015 and can proudly claim ownership on the first UAS program for first responders in the state of Nevada. Scott continues to seek new time-saving-ways to apply UAS technologies into public safety scenarios, including, but not limited to accident scene reconstruction, search and rescue, and overwatch scenarios. Scott keeps his finger on the pulse of UAS technology, working closely with manufactures in the development of hardware and software specific to first responder needs. He is actively assisting other agencies to train first responders as UAV pilots and consults on how best to standup UAS programs.