

Mary Ashley Stanton

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EDUCATION

MS, Operations Management, Air Force Institute of Technology, OH, 2020

MS, Aeronautical Science with Specializations in Aeronautics and Human Factors, Embry-Riddle Aeronautical University, FL, 2011

BS, Mathematics, USAFA, CO, 2006

PRIMARY RESEARCH

Autonomous delivery, optimizing last mile, crowdsourcing delivery, and retail sourcing and returns.

PEER REVIEWED PUBLICATIONS

1. Stanton, M.A., Anderson, J., Dickens, J., Champagne, L., 2022, "Supply chain resilience: how autonomous rovers empirically provide relief to constrained flight line maintenance activities," Journal of Defense Analytics and Logistics, Vol. 6, No. 1.
2. "Innovating the Flight line of Today," Logistics Officers Association's Exceptional Release Journal (Summer 2020 Edition).

ACADEMIC AWARDS

Major General Hugh J. Knerr Exceptional Author Award (FGO level), 2021

Honor Graduate Award (top 20%), Air Force Institute of Technology, 2020

Distinguished Graduate (top 10%), Instructor Pilot (C-21A), 2010

Distinguished Graduate (top 10%), Joint Specialized Undergraduate Pilot Training, 2008

PROFESSIONAL AFFILIATIONS

Aircraft Owners and Pilots Association

Airlift/Tanker Association (A/TA)

Decision Sciences Institute

IRONMAN

Logistics Officer Association (LOA)

The Ninety-Nines, Inc

USA Triathlon

MILITARY EDUCATION AND TRAINING

2021 Air War College, correspondence

2020 Air Force Institute of Technology, Master of Science, Operations Management

2020 School of Advanced Study of Air Mobility (ASAM), top 20% academics

2016 Air Command and Staff College, correspondence

2011 Embry-Riddle Aeronautical University, Master of Science, Aeronautical Science

2011 Squadron Officer School, resident

2011 Squadron Officer School, correspondence

2008 Joint Specialized Undergraduate Pilot Training, top 10%

2006 Air and Space Basic Course, resident, top 3rd flight

2006 US Air Force Academy, Bachelor of Science, Mathematics

PROFESSIONAL EXPERIENCE: U.S. Air Force Officer (Lt. Col.), Evaluator/Instructor Pilot

Overview: Served 17 years in the US Air Force, rank is Lieutenant Colonel, flight rating is Senior Pilot with 3,384 hours in the C-17A and C-21A aircraft, including more than 660 combat hours and 447 days deployed to Qatar (2008/2009/2012/2013/2014/2015) in a joint environment sustaining

combat operations for both US and coalition fielded forces. Served in multiple leadership roles including division chief, assistant director of operations, and flight commander.

2020-Present at Scott AFB IL: **C-17A Command Manager, AFWERX Fellow, A3B Military Deputy/DOD Commercial Air Carrier Ops Evaluator.** Managed USAF C-17A training program, Autonomy Prime liaison working with AMC Chief Scientist to automate the AF flight line with civilian autonomous products. Lead aviation operations safety auditor providing oversight of Department of Defense contracted cargo and passenger carriers. Federal Aviation Administration (FAA) licensed Jumpseat evaluator conducting flight assessments.

2019-2020 at Joint Base McGuire-Dix-Lakehurst NJ: **Intermediate Development Education (IDE) Student, Advanced Study of Air Mobility.** Student in the Air Force Institute of Technology's Master of Science Degree in Operations Management. Led and organized class's NY/NJ Port Authority and AmazonGo behind-the-scenes immersions

2015-2019 at Altus AFB OK: **Chief, Command Post, Operations Group Executive Officer, Commander, Student Affairs Flight, and C-17 Flying Training Unit Instructor Pilot.** Led 15 enlisted members running base's 24/7 emergency operations center conducting base-wide notifications, exercises, and decoding and reporting time-critical emergency action messages. Led \$336,000 system upgrade, coordinated with 8 organizations and increased strategic capabilities. Investigating officer for an aircraft safety mishap board causing \$217,000 in damages. Led 10 person staff managing and directing correspondence and annual reports across 5 squadrons and over 850 personnel. Led two groups comprising of 320 military aviation trainees, military personnel, and civilian employees.

2012-2015 at Joint Base Charleston SC: **Squadron Assistant Director of Operations, Wing Flight Safety Officer, Squadron Operations Support Assistant Flight Commander and C-17 Instructor Aircraft Commander.** Directed 152 Airmen operating \$2.5 Billion in C-17 aircraft. Flight safety auditor, trained by the Line Observation Safety Audit (LOSA) Collaborative a NASA research group, detecting and reporting threats and error management of pilots. Advised the 437th Air Wing Commander (Colonel) on flight safety issues, developed Wing safety policies, and investigated aircraft mishaps. Built and briefed over 300 aviators on latest Air Mobility Command mishaps. Ignited dialog to halt future mishaps. Transporting cargo, equipment, and personnel in support of the President of the United States, Department of Defense, aeromedical evacuations and humanitarian operations.

2008-2012 at Joint Base Andrews MD: **Squadron Chief of Safety, Squadron Standardization Evaluation Liaison Officer, Squadron Training Officer, and C-21 Instructor Aircraft Commander/Evaluator Pilot.** Airlifted key civilian and military leaders worldwide, to include a lifesaving aeromedical evacuation, and advanced U.S. diplomacy by delivering key personnel to Haiti following catastrophic earthquake. Instructed and evaluated 25% of the squadron's aviators, trusted flying general instructor pilot, and elite functional check pilot for aircraft returning to service from maintenance overhauls. Combat aviator in OPERATIONS ENDURING FREEDOM, IRAQI FREEDOM, and HORN OF AFRICA.

2006-2008 at Vance AFB OK and Travis AFB CA: **Undergraduate Pilot Training Student, and Command Post Prime Knight.** Pilot ground, simulator, and flight training courses.
