



# BIOGRAPHY



## UNITED STATES AIR FORCE

### COLONEL TIMOTHY M. HELFRICH

Colonel Timothy M. Helfrich is the Senior Materiel Leader (SML) for Cyber Systems, which falls under the Program Executive Officer (PEO), Command, Control, Communications, Intelligence and Networks (C3I&N) Directorate, Air Force Life Cycle Management Center, Air Force Materiel Command. He leads a team of over 700 military, civil service, and contract support personnel to develop, acquire and sustain cyber systems for the United States Air Force, sister services, and United States Cyber Command. As the SML, Colonel Helfrich manages a budget of \$4.2B for cyber programs, including offensive capabilities, defensive capabilities, command and control, and platforms. Additionally, he oversees Platform One, the official DevSecOps Enterprise Services team for the Department of Defense.



Col Helfrich was born in Indianapolis, Indiana. He received his commission from the United States Air Force Reserve Officer Training Course, Detachment 220 at Purdue University in May 2002. Previously, he served as the Materiel Leader for the Battlefield Airborne Communications Node (BACN). Additionally, he has served in a variety of acquisition positions at an Air Logistics Center, the Air Force Research Laboratory, a flight test squadron, Air Staff, the Defense Advanced Research Projects Agency, and a classified program office. Col Helfrich has combat experience from Operation IRAQI FREEDOM, where he was the Detachment Commander for a joint flying unit that provided airborne command and control to logistics patrols across Iraq. In addition, he deployed as the SOCCENT Forward Headquarters Commandant, providing all life support functions for Special Operations Forces personnel in the CENTCOM AOR.

### EDUCATION

- 2002 Bachelor of Science in Aeronautical and Astronautical Engineering, Purdue University, West Lafayette, IN
- 2002 Air and Space Basic Course, Maxwell Air Force Base, AL
- 2006 Master of Science in Aeronautical Engineering, Air Force Institute of Technology, Wright-Patterson Air Force Base, OH, Distinguished Graduate
- 2006 Squadron Officer School (Correspondence)
- 2007 Test Project Engineering Course (Class 132), U.S. Naval Test Pilot School, NAS Patuxent River, MD, Distinguished Graduate
- 2008 Squadron Officer School, Maxwell Air Force Base, AL, Distinguished Graduate
- 2012 Air Command and Staff College (Correspondence)
- 2014 Legislative Studies Certificate Program, Government Affairs Institute at Georgetown University, Washington, D.C.
- 2016 Program Manager's Course, Defense Acquisition University, Ft Belvoir, VA
- 2019 Master of Science in National Security Strategy, National War College, Ft McNair, DC, Distinguished Graduate

### ASSIGNMENTS

1. June 2002 – August 2004, A-10 Systems Engineer and Mature & Proven Aircraft Sustainment Engineer, Mature and Proven Aircraft Directorate, Hill AFB, UT
2. August 2004 – March 2006, Graduate Student, Air Force Institute of Technology, Wright-Patterson AFB, OH
3. March 2006 – November 2006, Deputy Director for Pulsed Detonation Research, Air Force Research Laboratory, Wright-Patterson AFB, OH

4. December 2006 – December 2007, Student, United States Naval Test Pilot School, NAS Patuxent River, MD
5. January 2008 – October 2010, Flight Commander and Instructor Airborne Test Director, 413<sup>th</sup> Flight Test Squadron, Hurlburt Field, FL
6. October 2010 – June 2011, Executive Officer to the Commander, Air Armament Center, Eglin AFB, FL
7. June 2011 – August 2012, Director of Test for Advanced Technology, Agile Combat Support Directorate, Wright-Patterson AFB, OH
8. August 2012 – July 2013, Program Manager for Test and Evaluation, Fighter/Bomber Directorate, Wright-Patterson AFB, OH
9. July 2013 – December 2014, Legislative Fellow at the Defense Advanced Research Projects Agency and in the office of Congresswoman Niki Tsongas, Washington D.C.
10. December 2014 – July 2016, Chief, Strategic Communications and Congressional Branch and Program Analyst, Acquisition Strategy/Plans Division, Acquisition Integration Directorate, Office of the Assistant Secretary of the Air Force for Acquisition, Washington D.C.
11. July 2016 – July 2018, Materiel Leader, Communication Systems Quick Reaction Capability Branch, Space Aerial and Nuclear Networks Division, Command, Control, Communications, Intelligence and Networks Directorate, Hanscom AFB, MA
12. August 2018 – June 2019, Student, National War College, National Defense University, Ft McNair, D.C.
13. June 2019 – July 2020, Deputy Director, Aerospace Projects Office, Defense Advanced Research Projects Agency, Arlington, VA
14. July 2020 – Present, Senior Materiel Leader, Cyber Systems, Cryptologic and Cyber Systems Division, Command, Control, Communications, Intelligence and Networks Directorate, Joint Base San Antonio - Lackland, TX

#### **SUMMARY OF JOINT ASSIGNMENTS**

1. June 2019 – July 2020, Deputy Director, Aerospace Projects Office, Defense Advanced Research Projects Agency, Arlington, VA, as a lieutenant colonel and colonel

#### **FLIGHT INFORMATION**

Non-rated Aircrew

Flight Hours: More than 800 hours (over 500 combat hours)

Aircraft Flown: CV-22, C-130E, UH-60L, and 25 other aircraft types

#### **MAJOR AWARDS AND DECORATIONS**

Defense Meritorious Service Medal with oak leaf cluster

Meritorious Service Medal with two oak leaf clusters

Air Medal with oak leaf cluster

Air Force Aerial Achievement Medal with two oak leaf clusters

Air Force Commendation Medal with two oak leaf clusters

Army Commendation Medal

Air Force Achievement Medal with two oak leaf clusters

#### **OTHER ACHIEVEMENTS**

2008 AFMC Military Tester of the Year

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2012 AFMC Special Programs Test Manager of the Year

2016 AFMC Field Grade Officer of the Year

2017 Air Force Acquisition Category II Program Manager of the Year

#### **EFFECTIVE DATES OF PROMOTION**

Second Lieutenant May 2002

First Lieutenant May 2004

Captain May 2006

Major June 2012

Lieutenant Colonel January 2016

Colonel March 2020

**ACQUISITION PROFESSIONAL CERTIFICATIONS**

Systems Planning, Research, Development and Engineering – Level 3

Test and Evaluation – Level 3

Program Management – Level 3

Acquisition Logistics – Level 1

Science and Technology Manager – Level 1

(Current as of August 2020)