

High-frequency communications

# WELCOME TO A NEW ERA OF HF

Clear, consistent communications  
in contested battlespaces



Collins Aerospace



# ADVANCEMENTS IN HF ARE YOUR OPERATIONAL ADVANTAGE

Advances in HF radio and Digital Signal Processing (DSP) technology have ushered in a new era for terrestrial-based, long-range communications capabilities. Together, these advancements provide a lower-cost alternative to SATCOM.

Collins Aerospace offers an easy-to-use modernized and software-defined HF radio that provides persistent communication, capable of clear digital voice. The capabilities are also jam resistant – a powerful advantage over expensive narrow-band SATCOM in contested battlespaces.

Because we know speed matters, today's Wideband HF (WBHF) can deliver rates that are 10 to 15 times faster, on average, than the best possible legacy rates. Today, radios equipped with our

standards-compliant WBHF can deliver: rapid, reliable transfer of large files, streaming video and other IP-based applications; real-time chat and conferencing; and high-quality digital voice.

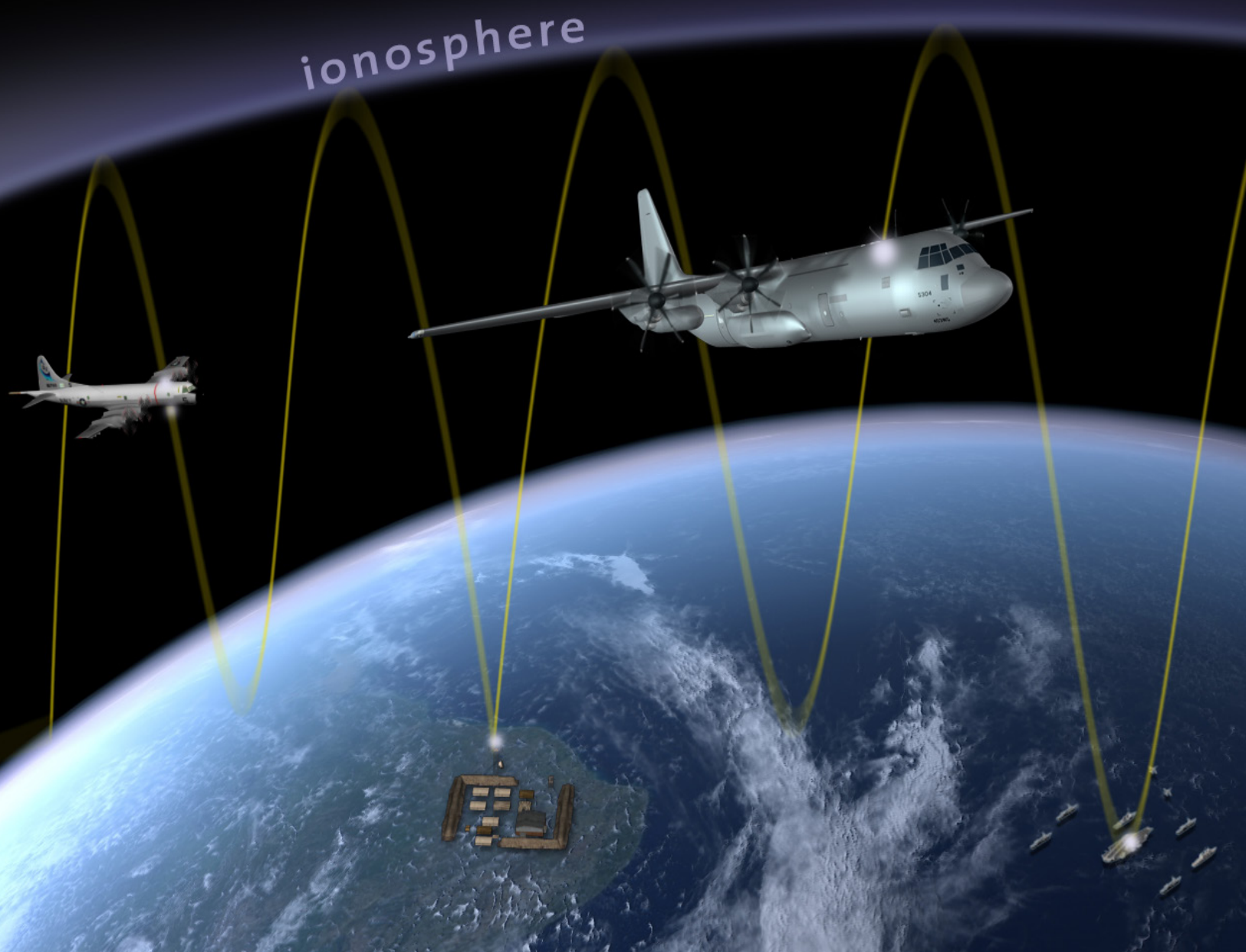
Airborne, land-based or shipboard, our modernized HF is primed to become the global, beyond-line-of-sight (BLOS) communications backbone for almost any military BLOS communications requirement, including:

- Tactical and strategic communications
- Remote network connectivity
- Air traffic control communications

## New HF solutions. A legacy of performance.

Since 1933, Collins Aerospace has been a leader in HF technology. We've been there for major events in history, including the Apollo 11 moon landing in 1969. The world was watching when our technology made it possible to see and hear Neil Armstrong utter his famous line, "That's one small step for [a] man, one giant leap for mankind."

Today, we're the preferred supplier of HF communications equipment to U.S. and allied military forces. In fact, we are the supplier of HF systems for HFGCS/COTHEN, as well as nearly all tanker and bomber assets used today.



## Advanced. Secure. Affordable BLOS communications.

When compared with other BLOS options, Collins' modernized HF brings significant capabilities and delivers on all requirements for both low-risk implementation and ongoing operational costs.

New-generation subcomponents easily integrate into current fixed, mobile and airborne HF systems, enabling operators to develop an upgrade path that best fits their needs and budget.

And because new-generation HF is largely software based, the systems will be more easily upgradable with new capabilities as they become available. This solves long-term obsolescence problems and provides outstanding growth potential.

### KEY BENEFITS

- Easier to use
- Increased throughput
- Low operating cost
- High resiliency
- Static-free digital voice
- Complies with industry standards

collinsaerospace.com



**Collins Aerospace**

800.321.2223 | +1.319.295.5100

fax: +1.319.378.1172

learnmore@collins.com

collinsaerospace.com

