Safe and secure unmanned aircraft system (UAS) command and control data link for UAS operations in shared airspace.

Safe UAS operation is key to operations in shared airspace. Reliable communications between the control station and the aircraft are essential for operators to have positive control. The CNPC-1000 data link implements the Control and Non-Payload Communications (CNPC) waveform in an optimized package for the small to large unmanned aircraft.

The CNPC-1000 evolved from our proven commercial VHF and robust military data links to solve the challenges of high-density unmanned aircraft operations in a safe environment. It provides both point-to-point communications and growth to fully networked communications for unmanned aircraft control, and can be installed in either the aircraft or the control station.

It operates within the L-band (growth to C-band) terrestrial aviation safety spectrum, cooperatively with ADS-B transponders and other systems operating simultaneously on the unmanned aircraft.

The CNPC waveform supports command-and-control services between a single control station and a single unmanned aircraft, in addition to providing higher bandwidth weather radar and video downlink services.

The waveform supports point-to-point modes between a single control station and a single unmanned aircraft, as well as network modes. The network modes enable positive handoffs of the aircraft between multiple control stations or multiple ground towers, and communications with multiple unmanned aircraft from a single ground data link.

**KEY FEATURES/ BENEFITS**

> Provides safe and secure communications in the aviation safety spectrum
> Offers full CNPC waveform functionality in a package optimized for sUAS, but delivers the performance required for the large unmanned aircraft
> Supports both point-to-point and networked communication modes
> Provides control, telemetry and higher-bandwidth weather radar and video downlink services
Building trust every day.

Rockwell Collins delivers smart communication and aviation electronic solutions to customers worldwide. Backed by a global network of service and support, we stand committed to putting technology and practical innovation to work for you whenever and wherever you need us. In this way, working together, we build trust. Every day.

For more information, contact:

Rockwell Collins
400 Collins Road NE
Cedar Rapids, Iowa 52498
+1.800.321.2223
+1.319.295.5100
fax: +1.319.378.1172
email: learnmore@rockwellcollins.com
www.rockwellcollins.com