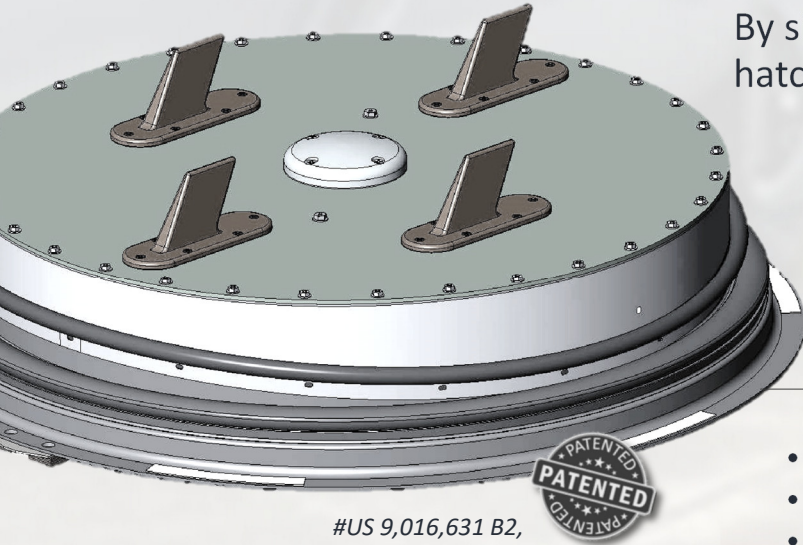


C-130 Direction Finding (DF)

MPHS

Multi-Purpose Hatch System

The Direction Finder (DF) Multi-Purpose Hatch System (MPHS) was developed as part of the Joint Threat Warning System (JTWS) on various C-130 platforms. It consists of four (4) L-Band omni directional antennas that are specifically configured along mounting locations with impedance and phased matched cabling. It also includes a Dual-band L1/L2 GPS antenna providing a low-noise coverage at 1227.6 MHz and 1575.42 MHz and 40 dB gain LNA that includes additional filtering for significant out of band rejection and reduced possibility of saturation by non-GPS signals.



#US 9,016,631 B2,
FAA STC #ST02495LA and DoD certified.

By simply replacing the existing forward escape hatch, R4's patented MPHS provides rapid "Roll On/Roll Off" (RO/RO) installation, without modification to the aircraft. It is proven to meet any critical communication needs.

ANTENNA FEATURES AND SPECS

- BILLET ALUMINUM CONSTRUCTION
 - NO MODIFICATION TO AIRCRAFT
 - FIELD REPLACEABLE SEALS AND HARDWARE
 - FULLY FAA/DoD CERTIFIED
- | | |
|-------------------|-----------------------|
| • FREQUENCY RANGE | 890 – 1375 MHz |
| • VSWR | 1.5:1 max; 1.2:1 typ. |
| • GAIN | +6 dbi |
| • POLARIZATION | Linear |
| • POWER HANDLING | 250 WCW |
| • IMPEDANCE | 50 Ohms |



850.226.6913
info@r4-integration.com

R4 Part #0009A3000-10-910