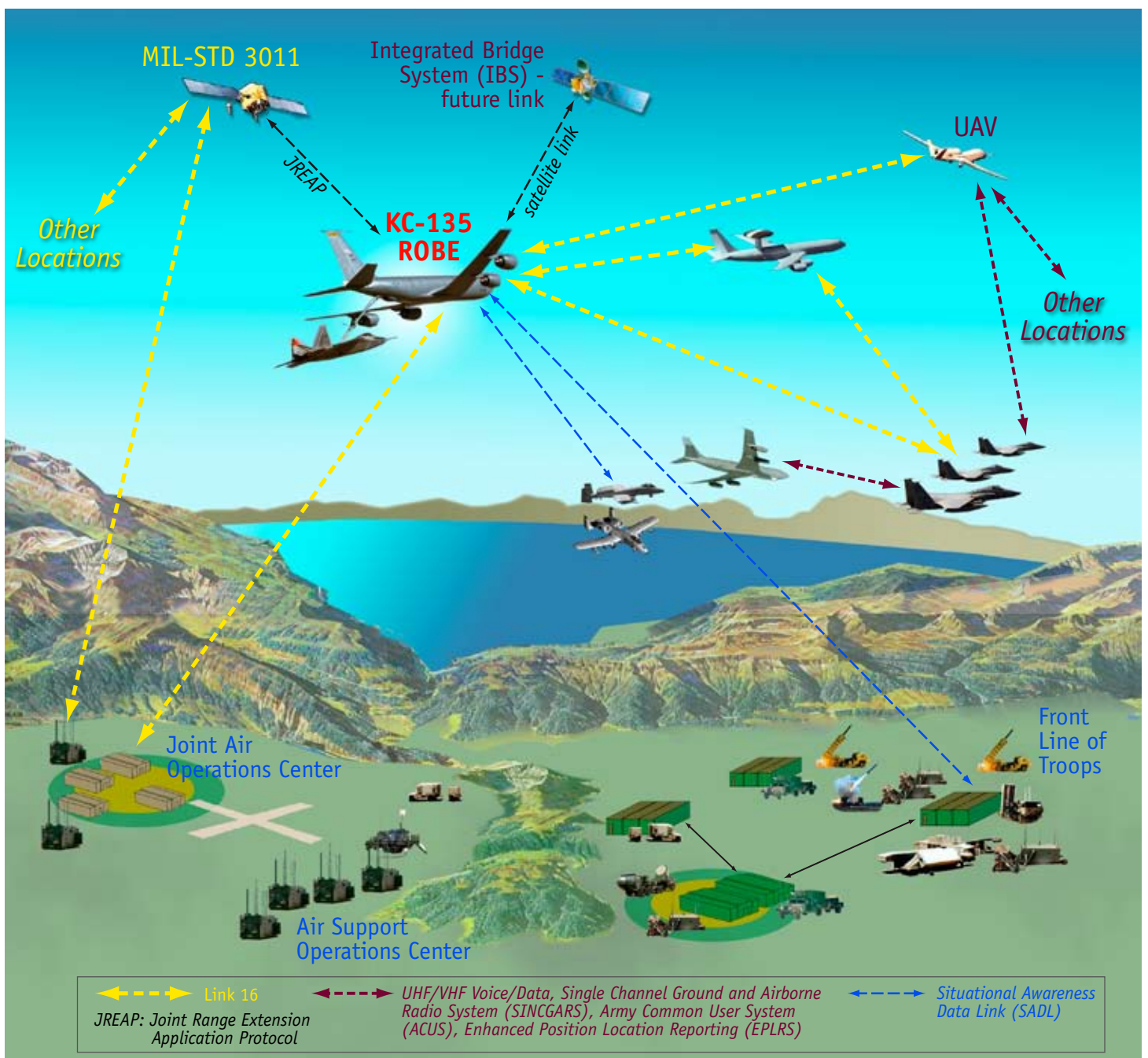


▼ Roll-On Beyond-Line-of-Sight Enhancement (ROBE)

Premier mid-altitude, in-theater gateway provides significantly increased situational awareness



The ROBE system dramatically increases the reach of tactical communications for global connectivity.

Roll this rapidly installable and transportable tactical data link (TDL) node onto a tanker aircraft. Instantly, the tanker is a communications center, able to relay command decision-making information anywhere in the world. Using an existing operational asset, the tanker can provide this powerful relay capability economically.

Developed by Northrop Grumman in 2003, ROBE is a certified communications system that provides a seamless and secure distribution of information to the warfighters, local commanders and higher headquarters.

ROBE Benefits

- ✓ Extends communications range
- ✓ Uses existing airborne assets and missions as a force multiplier
- ✓ Assured and protected access for warfighters
- ✓ Authorized to Operate (ATO)

ROBE Capabilities

ROBE is the premier mid-altitude, in-theater gateway providing significantly increased situational awareness, resulting in reduced kill chain and increased targets. As integrated with the associated systems installed aboard



ROBE hardware provides rapid installation of a non-integrated TDL node for the KC-135 platform, and provides Link 16 LOS datalink support, BLOS gateway and SADL network support, chat and text messaging, user interface features, and FalconView and Gateway Manager (GM) situational awareness capabilities.

the tanker, ROBE provides the capability to distribute command and control data flow, and situational awareness information in near time using FalconView and the Gateway Manager system. ROBE provides situational awareness, retasking, and retargeting information directly to the tactical displays of warfighters equipped with a tactical data link. ROBE delivers information for any or all of three requirements:

- Inter-zone connectivity between Beyond-Line-of-Sight (BLOS) tactical data link networks
- Intra-theater reach-forward and reach-back
- Connectivity to geographically remote relay

ROBE provides airborne BLOS and Line-of-Sight (LOS) Link 16 Relay as well as the Situational Awareness Data

Link (SADL) relay and gateway. Forty aircraft have been modified to host 20 roll-on communications suites on the KC-135, the ROBE host platform.

ROBE Features

- ✓ Link 16, SADL, JREAP, IBS, BLOS UHF and communications
- ✓ A-Kits installed in KC-135 tankers
- ✓ Roll-on, roll-off B-Kits mounted in transit cases for flexibility

To learn more, please contact:

**Northrop Grumman
Information Systems**
9326 Spectrum Center Blvd
San Diego, CA 92123

Product Sales: 858-514-9204
datalink-interop@ngc.com

Product Support:
1-877-784-HELP (4357)
cis.productsupport@ngc.com
<http://tacticalnetworks-ngc.com>

"ROBE ensures I have the total air picture available as the air component commander ... so that our Airmen overhead can work with the ground forces successfully."

– Lt Gen Gary North, AFCENT Commander,
(USAF news release, Mar 20, 2009, 376th Air Expeditionary Wing Public Affairs)



USAF Photo 2004, A1C F.J. Perkins

www.northropgrumman.com

©2011 Northrop Grumman Systems Corporation
All rights reserved.
155210611DSD

NORTHROP GRUMMAN