

THOR 101 A Review

- Leverage the extensive deployment of terrestrial fiber
 - ✓ Extend fiber to the theater via a mobile free space optical path
 - ✓ Provide broadband (fat pipe) communications into/and out of the theater
- Use improved technology within the context of a network to mitigate Mobile Free Space Optical limitations
- THOR strives to achieve, compared to the best current tactical RF link:
 - ✓ 40X improvement in data rate
 - ✓ 10X reduction in size, weight and power
 - ✓ at least a 10X reduction in cost
- Deployed on Demand
 - ✓ Where and when its needed
 - ✓ Extensible
- Augments the GIG
- Full Duplex
 - ✓ High bandwidth push / pull
 - ✓ Routing diversity
- Networked for Availability
 - ✓ Robust
 - ✓ Ad Hoc

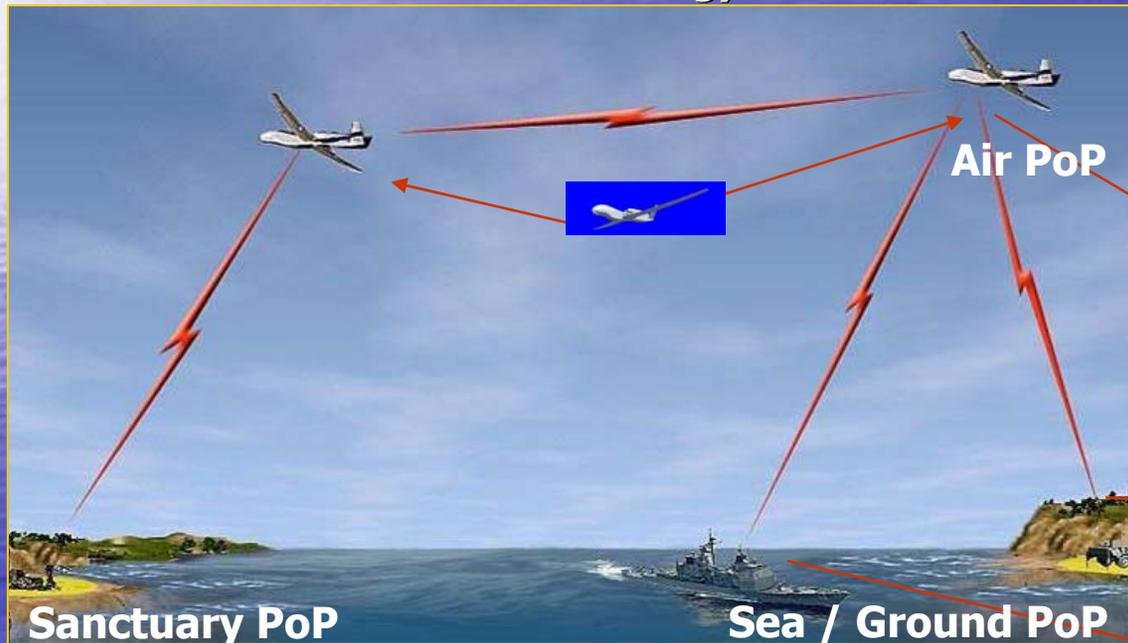
Where THOR Fits

Primary Dissemination

*Current Customer Base For
THOR Technology*

Secondary Dissemination

*Future Customer Base
For
THOR Technology*



Sanctuary PoP

Sea / Ground PoP

Air PoP

**Air Force
(DTIG/Etc)**

**Army
(WIN-T/FCS/Etc)**

**Navy/Marine Corp
(NMCI/IT-21/NFN/Etc)**

Notional PHASE 3 DEMONSTRATION Architecture.

This is NOT necessarily THE ops concept.