



# TruLink<sup>®</sup>

## Wireless Voice Communications (Aircraft Operations and Maintenance)

- **Enhance mission safety with clear communication**
- **Increase safety and mobility by eliminating restrictive communication cords that physically connect maintainers and aircrew to the aircraft**
- **Eliminate misinterpreted visual hand signals**
- **Maximize aircraft turnaround through higher efficiency**

TruLink<sup>®</sup> Wireless Intercommunication System (ICS) is a military qualified voice intercom system that provides *full-duplex conversation* among multiple users. The system is *adaptive-VOX activated* enabling *hands-free operation* and is designed to *operate in the high ambient noise environment* of an aircraft flightline. TruLink can be used as a stand-alone system or interface to the aircraft intercommunication system so wired and wireless systems can communicate.

TruLink has been evaluated and used by the Army, Navy, and Air Force to support critical aircraft operation.

TruLink was chosen by the USCG, FBI and Miami Dade Fire Rescue to increase mission effectiveness and support Home Land Security operations.

### Applications

#### **Operations**

- Medical evacuation
- Search and Rescue
- Cargo loading and unloading
- Aircraft tow, pushback and wing walking
- Hot refueling
- Aircraft radio monitoring

#### **Maintenance**

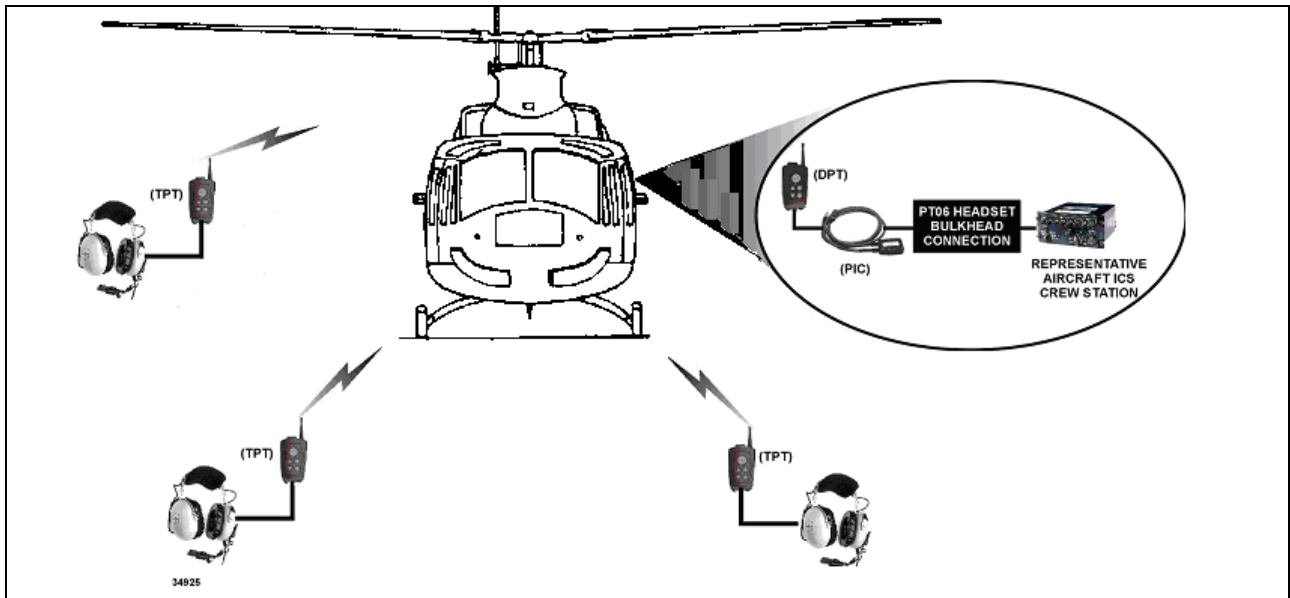
- Aircraft launch and recovery
- Aircraft inspection and repair
- Avionic, hydraulic and electrical system servicing
- Fuel system overhauls/Engine runs



#### **Typical Configuration**

Users connect their existing headsets to a TruLink Portable Transceiver (TPT) for wireless intercommunications between each other and the aircraft. A Dual Port Transceiver (DPT) is a stand-alone unit that connects to any aircrafts existing wired Intercom System (ICS) Crew Station via a Platform Interface Cable (PIC). The DPT/PIC combination is temporarily connected during the operation to function as a

“roll-on/roll-off” wireless access point that acts as a communication bridge to the aircrafts wired ICS. A representative configuration to enable three (3) users for wireless connection to each other and the aircraft intercom system is as follows:



Item	Part Number	Qty	Photo	Notes
TruLink® Portable Transceiver (TPT)	780-1000-001-0076	3		Plug in existing maintainer/aircrew headset to TPT
Dual Port Transceiver (DPT)	780-1000-003-0076	1		Stand alone unit connects to existing aircraft wired ICS
Channel Select Cable	CC6658-M7	1		Enables initial DPT setup – not used during operation
Platform Interface Cable (PIC)	JB6856-M7 or M8	1		Open ended Electret (M7) or Dynamic (M8) Mic interface
TPT Pouch	AMTC-P1109-UC	4		Optional holder for TPT or DPT

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