

COMMUNICATIONS-APPLIED TECHNOLOGY

A Veteran-Owned Small Business

Secure Communications with Coalition Partners, Across Different Encryption Keys



Made in the U.S.A

ICRI Functional Diagram:

For secure communications between coalition partners

U.S forces 2-way radio(s)
transmit/receive frequency "X"
SECURE
U.S. only "key"



U.S forces 2-way radio
connected to ICRI
transmit/receive frequency "X"
(SECURE
U.S. only "key"



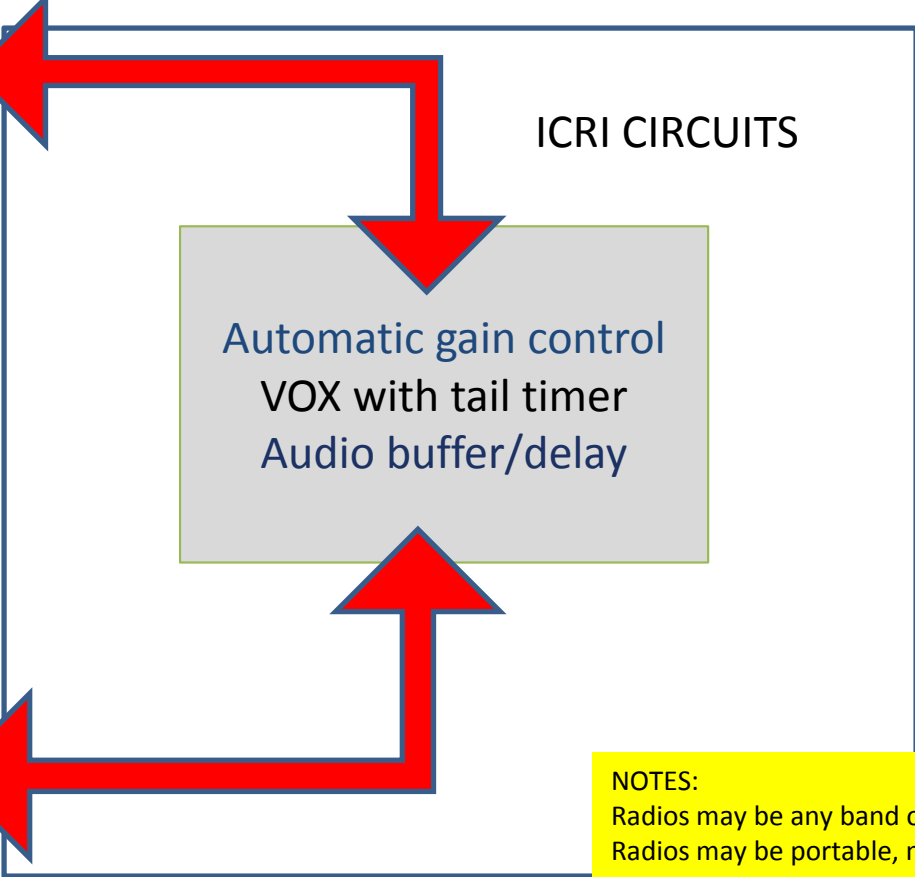
Coalition partner 2-way radio(s)
transmit/receive frequency "Y"
SECURE
Coalition partner-only "key"



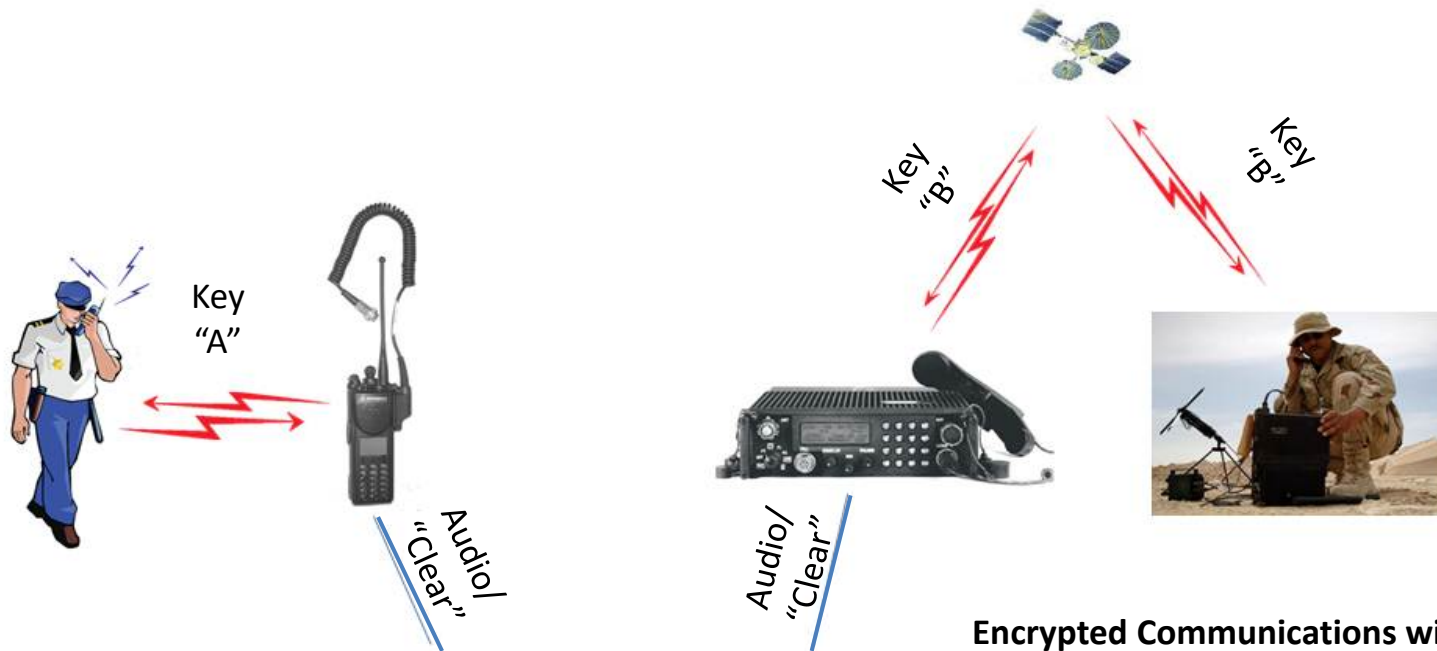
Coalition partner 2-way radio
connect to ICRI
transmit/receive frequency "Y"
SECURE
Coalition partner-only "key"



BLACK: RF, Message encrypted, U.S. only "key"
BLACK/GREY: RF, Message encrypted, coalition partner only "key"
RED: Message CLEAR*



NOTES:
Radios may be any band or wave form
Radios may be portable, man-pack, or fixed



Encrypted Communications without sharing "keys"



Public safety agency has encrypted communications, via key "A", between their remote radios and their local radio connected to the ICRI

Military unit has encrypted communications, via key "B", between their remote radios and their local radio connected to the ICRI

Audio passes between the local public safety and military radios, via the ICRI.

Local radios encrypt/decrypt any communications they send or receive to the corresponding remote public safety or military radios.

For Additional Information...

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