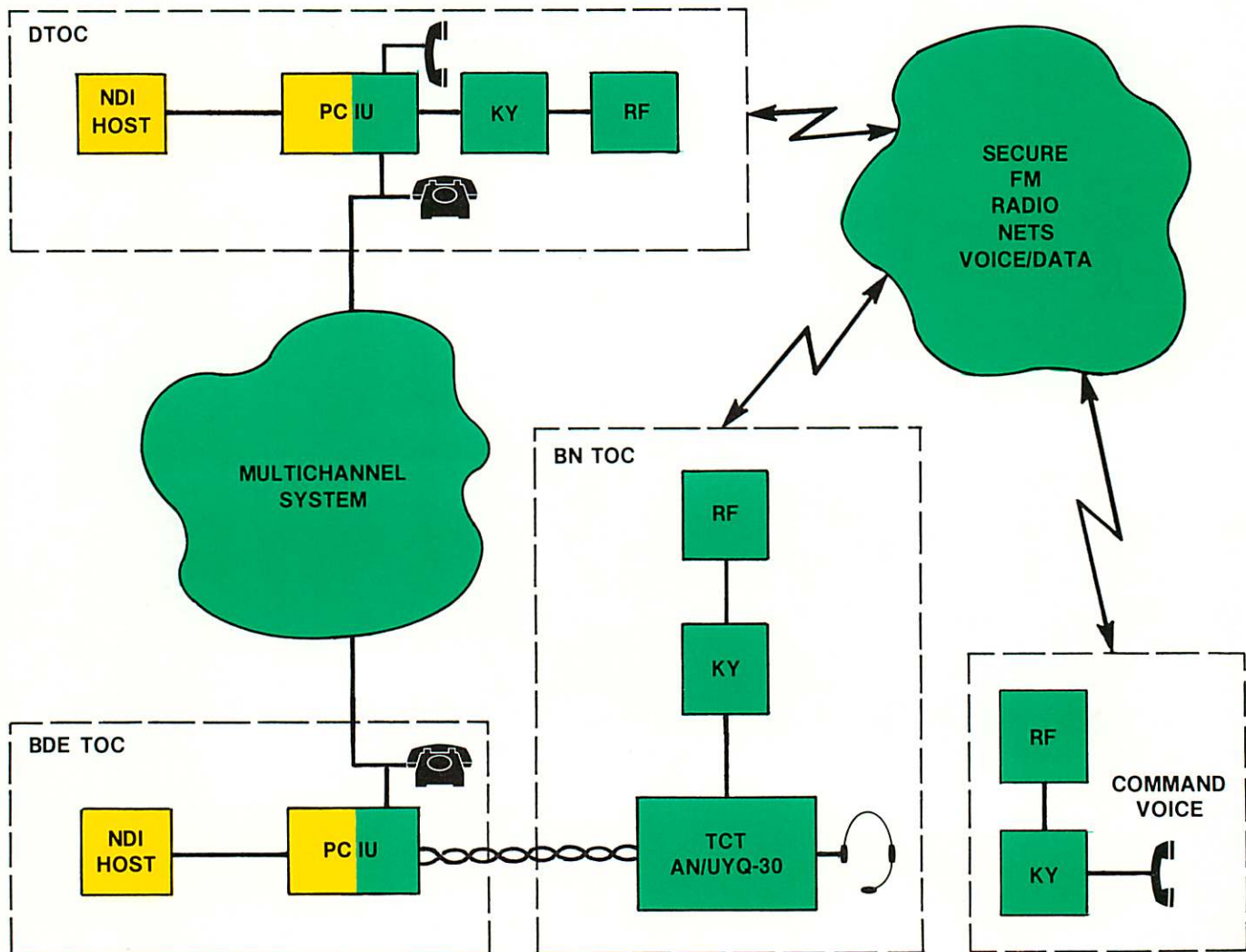


**DEMONSTRATION
OF THE
PROGRAMMABLE COMMUNICATIONS
INTERFACE UNIT (PCIU)
FOR
TACTICAL C³ SYSTEMS
WITH
NON-DEVELOPMENTAL ITEMS**

Librascope

a division of The SINGER Company

LIBRASCOPE PCIU DEMONSTRATION FOR ADEA AT FT. LEWIS, WA.



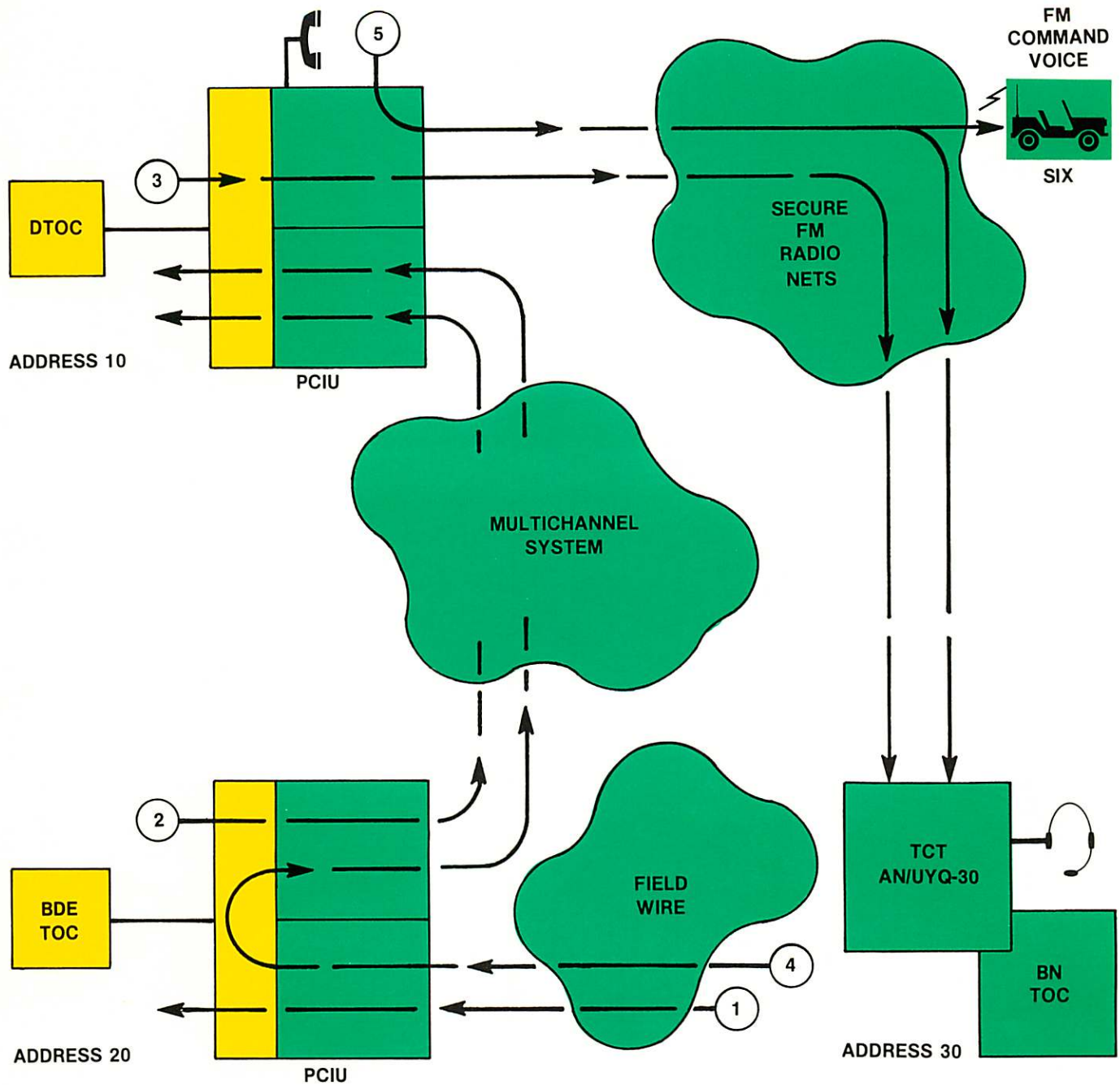
PROGRAMMABLE COMMUNICATIONS INTERFACE UNIT (PCIU)

- 4 Cards with three MC68000 Microprocessors
- 512 K bytes of Onboard RAM
- Programmed in Ada®
- Two Comm Channels
- Downloading or Uploading
- Message Relaying/Error Control
- Two RS-232-C I/O PORTS
- Card Slot for IEEE 488 Bus
- Ruggedized
- NDI Item for MCS
- C² Protocols
 - MANEUVER CONTROL
 - TACFIRE, DMD, BCS or MLRS FDS, FIREFINDER, RPV
 - NATO (HEROS, WAVELL)

COMMUNICATIONS INTERFACES

- Field Wire
- AN/VCR-12 or SINCGARS-V with VINSON/VANDAL for Data and Voice
- Multichannel System
 - AN/TRC-145
 - AN/TRC-145 (TD-1065)
 - AN/TTC-41 (SB-3614)
- PLRS/JTIDS HYBRID
- TRI-TAC (DLED, DSVT, DGM)
- AUTODIN (RS-449)
- Mobile Subscriber Equipment
- Teletype (AN/UGC-74A(V)3)

DEMONSTRATION MESSAGE FLOWS



- ① Battalion to Brigade - Field Wire
- ② Brigade to Division - Multichannel
- ③ Division to Battalion - Net Radio
- ④ Battalion to Division - Relay
- ⑤ Division Command Voice

NOTES:

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