Enhanced Autonomous Condition-Based Network

Parametric CBM Data Transfer

Upon return from a mission, automatic download of recorded parametric data ensures regular, reliable collection of essential parameters. When a vehicle or vessel returns, EACBN automatically authenticates and triggers a secure wireless transmission of all collected CBM data from the platform to the CBM repository.

Automates and removes the human from the loop in tactical condition-based maintenance applications

Operational Platform Health Monitoring

Remotely monitor the health and status of a tactical platform from the operations center, using existing LOS tactical radio links or SATCOM links. EACBN uses standards-based data for seamless integration with existing situational awareness applications.

Whether on mission or after, EACBN features autonomous triggering and platform health monitoring, ensuring decreased time to actionable information.
Interfaces

- EACBN provides the following optional kits for system implementation:
  - **Vehicle Kit MTVR (KIT-05008) or Vehicle Kit JLTV (KIT-05009)**
    - Includes Customized On-Board Vehicle Processor, Processor DAQ Cable, Processor Power Cable, GPS/Wireless Vehicle Antenna with 20’ cables, RFID Tag Backer Plate, Custom Shipping Case
  - **Motor Pool Processing Kit (KIT-05010)**
    - Includes Rugged Laptop, Rugged Maintenance Tablets, RFID Reader, RFID Antenna, RFID Tags, Custom Shipping Case
  - **Motor Pool Wireless Kit (KIT-05011)**
    - Includes Mobility Controller, Wireless Access Points, Outdoor rated 100’ Ethernet Cables, Requisite Licensing, Custom Shipping Case
  - **Motor Pool Wireless Expansion Kit (KIT-05012)**
    - Includes Wireless Access Point, 100’ Outdoor rated Ethernet Cable, Associated Licensing
  - **Motor Pool Server Expeditionary Kit (KIT-05013)**
    - Includes EACBN server, Rugged Maintenance Tablet, RFID Reader, RFID Antenna, RFID Tags, Wireless Access Points, Custom Expeditionary Case

Capabilities

- Web-Based Configuration Interfaces
- Remotely Configurable
- Ability to connect to multiple units
- Supports J1939-based vehicles with existing data loggers (Parametric)
- Supports J1939-based vehicles with existing tactical communications links (Operational)
- Supports J1939/NMEA2000-based vessels/craft with existing data loggers

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