WIRELESS MILES

ENGAGEMENT SIMULATION SYSTEM

PAN: An Innovative Wireless Solution for Live Instrumented Training

Cubic's next-generation MILES man worn system – the wireless Personal Area Network (PAN) – has significantly reduced the burden of TES equipment on the soldier. Designed with independent, small, lightweight components, the wireless PAN system can be easily adapted and fitted to all webbing and body armour configurations worn by soldiers on current operations. Major features include:

- Industry-standard wireless technology, replacing traditional harnesses and cables
- The elimination of cables, connectors and vests has reduced the cost of ownership
- Fully interoperable with all current in-service instrumented live systems
- The SAT is aligned to the weapon and therefore eliminates the need to external alignment devices
- The transit case has a built-in battery charger

PAN incorporates the latest wireless technology, whilst incorporating Cubic's vast experience gained from fielding over 140,000 MILES systems around the world.

WIRELESS TECHNOLOGY

- PAN network utilises IEEE802.15.4 standard, in licence exempt 2.4GHz band
- PAN components easily fit onto both the soldier and COEFOR clothing and equipment
- Designed to be easily upgraded as software develops

MAINTENANCE

- Modules have integrated batteries
- Easily transported in a Smart Transit Case
- Smart Transit Case has a built-in battery charger, reducing the logistic burden
- Improved quality control, with the Smart Transit Case enabled to conduct and records the diagnostics tests

PAN MANWORN HALO

- Laser and RF enabled, allowing integration of mines, grenades and IEDs into exercises. Also enables tethering to vehicle and building instrumentation

CUBIC™
Enabling a Safer World

PAN MANWORN DETECTOR MODULE

- Laser and RF enable medical serials to be incorporated into exercises
- Easily mounted onto the soldier and equipment

PAN Manworn Detector Module

PAN MANWORN DISPLAY MODULE

- Integrated visual and sound effects for ease of use by the soldier

PAN Manworn Display Module

SMALL ARMS TRANSMITTER (SAT)

- Dual IR (for initial directionalassociation) and RF link
- Weapon simulation

Small Arms Transmitter (SAT)

PLAYER UNIT INSTRUMENTATION

- GPS and RF link to existing EXCON infrastructure
- RF Link into Manworn PAN

Player Unit Instrumentation

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