

PM RADARS S1000D JOURNEY



Vernetta Mitchell

Technical Writer

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PM Radars S1000D Story

- **History**
- **Challenges**
- **Decision Process**
- **Way A Head**
- **Question**



PM Radars History

- **Four Major Systems**

- AN/TPQ-37 (V)9 w/ xxxx manuals, xxxx pages
- AN/TPQ-36 (V)8 w/xxxx manuals, xxxx pages
- AN/TPQ-48, Lightweight Counter Mortar Radar (LCMR)
- Enhanced EQ36



AN/TPQ-37 V9 Radar

- **AN/TPQ-37 V9 Radar**
 - detects and locates long range enemy artillery and rocket weapons to permit rapid engagement with counter-fire.
- **Components**
 - Antenna-Transceiver Group
 - Shelter
 - 400Hz Generator Set





AN/TPQ-36 V10

- **AN/TPQ-36 V10 Radar**
 - is a range –gated pulse Doppler weapons locating radar that is designed to detect Mortar, artillery, and rocket projectiles across a wide front.
- **Components**
 - Antenna-Transceiver Group
 - Lightweight Multipurpose Shelter
 - 400Hz Generator Set





AN/TPQ-48

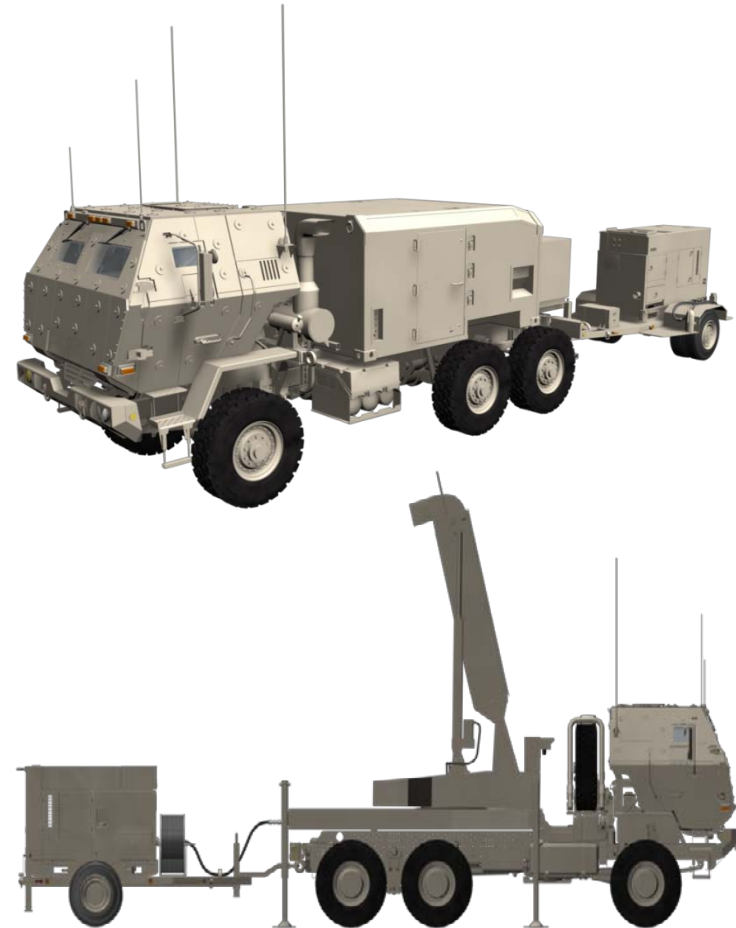
- **AN/TPQ-48**
 - is a lightweight counter mortar radar. The radar will provide continuous 360-degree surveillance to detect, locate, and report friendly and enemy indirect mortar, artillery, and rocket fire systems.
- **Components**
 - Phased Array Antennas
 - AN/TPQ48 (V)2 uses 28VDC
 - AN/TPQ48 (V)3 uses 110VAC





ENHANCED EQ-36

- **EQ-36**
 - is a counterfire target acquisition radar. The radar is a system technology upgrade of the AN/TPQ-37 radar that provides a 360 degree capability with improved range and accuracy in a clutter environment.
- **Components**
 - Antenna-Transceiver Group
 - Shelter
 - 60 Hz Generator Set





PM Radars History

- **Four Major Systems**
- **Managing 23 manuals**
- **Managing XXXX pages**
- **Three Tech Writers, One XML SME, One Training Lead**



PM Radars History

Developed IETPs will consolidate the following ETMs:

AN/TPQ-36(V)

TM 11-5840-380-10
TM 11-5840-380-23-1
TM 11-5840-380-23-2
TM 11-5840-380-23P
TM 11-5840-354-30-1
TM 11-5840-354-30-2
TM 11-5840-354-30-3

AN/TPQ-37(V)

TM 11-5840-355-10
TM 11-5840-355-20-1
TM 11-5840-355-20-2
TM 11-5840-355-20-3
TM 11-5840-355-30-1
TM 11-5840-355-30-2
TM 11-5840-355-30-4
TM 11-5840-355-23P
TM 11-5840-364-30-1
TM 11-5840-364-30-2
TM 11-5840-364-30-3
TM 11-5840-364-23P



PM Radars History

- **June of 2006 an effort was started at PM Radar to bring training and publications into the XXI Century**
- **Funding was acquired**
 - To Update the school house
 - To Develop Interactive Multimedia Instruction (IMI)
 - To bring all the old legacy manuals and new manuals into one viewer using S1000D specification



PM RADARS SUCCESS STORY

**Coming together is a beginning, staying together is progress, and working together is success.
Henry Ford**





CHALLENGES

- **Education.....**
 - Our Own Team is still learning
 - PM Staff and Support personnel
 - School House Instructors
 - Soldiers
 - OEM Contractors



CHALLENGES

To To Provide the Soldier a robust vehicle to view PM Radar manuals

Change is the growth in going from page turners to develop publications that allow for reuse of data while providing the user a robust vehicle to view PM Radars manuals



CHALLENGES

- **Selecting a Viewer.....**
 - PTC Matrix
 - SiberLogic
 - Inmedius
 - NAVAIR
 - O'Neil
 - Others...



CHALLENGES

- **Army Business Rules**
 - Many Rules do not support large systems
 - MACs in one DM
 - Group Number linking
 - Info codes were not available for HR manuals
- **PM Business Rules**
 - Just the development process for 4 different Radars under one set of rules
 - International Traffic in Arms (ITAR) statement in the body of Data Modules



Decision Process

- **Has always been a group process of PM Radars**
 - Tech Writers
 - XML SME
 - Training Lead
 - Logistics Manager



Decision Process

- **Has always been a group process and often involves our partners.**
 - Raytheon, TRS
 - FSED
 - Northrop Grumman
 - AKIMA
 - IDSI
 - Corsair



Way A Head

- **Continuing Education**
- **Maintaining a solid team at PM Radar**
 - Sustaining team members
 - Sustaining the Energy for creative solution
- **Always Remember that the Warfighter (Soldier) is the user!**
- **This is just our Beginning**



QUESTIONS

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Primary Point of Contact

- **Vernetta Mitchell (Publication Lead for Radars)**
 - AN/TPQ-37 (V)9 Radar & AN/TPQ-36 (V)8 Radar
 - LRC, IEW&S Division, (Team Radars)
 - Com (732) 532-1273
 - DSN 992-9853
 - Vernetta.Mitchell@us.army.mil
- **Heather Hamilton**
 - AN/TPQ-48, Lightweight Counter Mortar Radar (LCMR)
 - LRC, IEW&S Division, (Team Radars)
 - Com (732) 532-1432
 - DSN 992-1432
 - Heather.N.Hamilton@us.army.mil
- **Kurt Leon**
 - Enhanced EQ36 Radar
 - LRC, IEW&S Division, (Team Radars)
 - Com (732) 532-3386
 - DSN 992-3386
 - Kurt.Leon@us.army.mil



Technical Point of Contact

- **Danny McWilliams**
 - ILS Manager, Legacy AN/TPQ-36(V)/37(V)
 - (732) 532-4524
 - Danny.McWilliams@us.army.mil
- **Susanne Heaton**
 - Computer Sciences Corp. (CSC)
 - (732) 532-1147
 - sheaton2@csc.com