

# AFCEA INDUSTRY DAYS 2009

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AUGUSTA - FORT GORDON CHAPTER

C4ISR/GNEC : CONCEPTS TO REALITY ... FASTER!!



## GNEC OPVAL 18<sup>th</sup> Fires Brigade 2009 Lessons Learned

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# Mission

Test the ability of the Joint Network Node (JNN), Satellite Traffic Terminal (STT) and Command Post Node (CPN) to provide local Non-Secure Internet Protocol Router (NIPR) and Secure Internet Protocol Router (SIPR) connectivity while seamlessly transitioning from CONUS to OCONUS.



# Concept of Operations

- Provide Battle Command Common Services (BCCS)
- Provide Network Company to obtain Master Reference Terminal (MRT) Push Package from PEO C3T/PM WIN-T
- Provide Defense Switched Network (DSN), Voice over SIPR (VoSIP), NIPRNET, and SIPRNET connectivity



# Systems Integration

- Provided Global Network Enterprise Operations.
- Integrated the Battle Command Common Services Version Three.
- Established firewalls continually filtering the incoming and outgoing IP addresses.
- Coordinated point of contact between Network Enterprise Center (NEC) aka DOIM and the unit.



# Satellite Cross Strap

- Incorporated MRT into brigade network.
- Developed three carriers Time Division Multiple Access (TDMA) mesh.
- Coordinated network switching between tactical and garrison.



# Lessons Learned

- Include NEC to ensure de-confliction of the network and it's operation.
- Adequate training for the unit.
- Request contracting support during initial planning phase.



# SUMMARY

- Opportunities for improvement for OPVAL II:
  - Improve Command and Control (C2) (in that a clear chain of command and contact information is given to all parties)
  - Polish the script and Access Service Request\Satellite Access Request (ASR\SAR) process
  - Coordinate with all support and participating units
  - Synchronize timeline to allow for all operations to include the NEC
  - Train unit participating in the exercise on systems prior to mission execution

**The overall mission was a success in that 18th Fires BDE was able to provide the Army's first Private Virtual Circuit (PVC) integration, which will provide Global Network Enterprise Operations**



# QUESTIONS