

# USAFE

- Maj Dean “Vitamin” Blankenbeker
  - MAAP Chief
- Mr Eugene Metcalf
  - Comm

- MTK Status
  - 1.1
  - 1.2
  - 1.2+
  - 1.3
  - FastMAAP
  - Future
- TBMCS inclusion
- USAFE's Austere Challenge Exercise
- MTK issues

# MTK

- Pulls in FROB, EOB, ACO, TNL to build ATO shell
- Planners build missions in MTK
  - Planners print out worksheet
- Missions exported via FTP to TAP
- MSN #'s, Callsigns, codes put in
- ATO published via TBMCS

# MTK 1.1

- Currently fielded at FTU, Centcom, others
- Taught during FTU to fam level
- Used in Centcom
  - mostly as QC tool
  - Limited capabilities
- Not liked by most users, so used little operationally
- Being fielded with current Falconer install
- Biggest limfac – no refueling planning
- Biggest plus – user friendly

# MTK 1.2

- Integrated into TBMCS 1.1.3
  - Just had regression test, DT in Sept, OT in Oct
  - Installed next Falconer update
- Obviously better capabilities, queries, more stable
- Still no ARTK capability
- Possible server problems with adding MTK to TBMCS server

# MTK 1.2+

- SCORE!!!
- AR toolkit added to MTK
- Several other improvements
- Saves time by allowing parallel planning
- Used during Austere Challenge
- Prelude to 1.3

# MTK 1.3

- Being tested at JEFX
- Full up MTK with ARTK
- Planned for TBMCS 1.1.4
  - Possibly added sooner if ready and certified
- Should be put on fast track and fully supported!
- Needed ASAP in AOC's
- Need to sell it to everyone

# FastMAAP

- Separate program that will use MTK to build complete plan using certain criteria
- Being tested now
- Funded
- Can be used to supplement or substitute current MAAP planning
- Quality control will be challenge

# Future MTK

- Replace some TBMCS functions for ATO production
  - Do everything in MTK
    - No longer just a planning tool
    - Callsigns, codes, msn numbers, etc
    - Produce ATO straight from MTK
    - Monitor Ops using MTK

# TBMCS inclusion

- Starting with TBMCS 1.1.3, MTK will be included with the baseline system rather than a stand-alone system
- Great concept but potential problems
  - Huge drain on common servers
  - Slows down Ops side when heavy planning
- Advantages
  - On SIPR
  - Accessible by Ops to see original plan
  - Ops accessible during planning process
  - Certified/supported

# Austere Challenge

- Held in USAFE Feb-Mar 04 – 2 separate weeklong phases for MAAP cell
- Certification for AOC at end
- Full up Blue Flag type exercise with about 1000 missions, 400-500 DMPI's per ATO
- Mostly Augmentees, 37 in MAAP cell
- MTK 1.2+ installed on own server
  - Code writers support during both phases
  - ARTK introduced

# Training

- One week training on MTK for major players before exercise by contractor
- One hour training on MTK for Augmentees
  - One full up 12 hour shift before startex
- First 5 day phase- lots of problems with hardware, software, ARTK, MAAP players
  - No Ops play, low mission count, buildup phase, 3 ATO's planned
  - Several experienced Navy planners in MAAP

- Second phase – slow start but huge curve
  - Mostly new augmentees, but only 2 Navy augs
  - Fixed most of the software issues, no fix to hardware issues until end
  - Contractor support CRITICAL
    - Mutually beneficial
  - Once hardware (LAN, TBMCS) issues were solved by last day, MAAP process took 5 hours from start to finish, ATO finished 1 hour later

# Lessons Learned

- Hardware reliability key
- With MTK+ARTK – need less time/players for MAAP process
- Augmentee training shorter and easier

# **Amplified Issues Austere Challenge 2004**

- **Most connections to database were made during the period 1000PM-0300AM (during ATO cycle)**
- **Checks revealed over 100 active sessions with oracle database at 0700AM**
- **Connections remain even though user logs off**
- **Some connections remained active after five hours**
- **Why does the active session remain after log-off?**
- **Was this a problem in the recent regression testing of MAAPTK?**