Precision Mensuration Manager (PMM)

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Operational Statement: The Precision Mensuration Manager (PMM) automates and distributes aimpoint generation tasking through database integration and agent technologies.
Project Overview (CONOPS)

JADOCS

Target nominated for precision mensuration

Precision targeting manager assigns analyst

Analyst mensurates target and returns results

Precision targeting manager approves points and updates JADOCS
PMM server integrates directly with the Joint Automated Deep Operations Coordination System (JADoCS) to provide the combatant commander’s targets of interest to the targeting group.

If these targets are designated for precision coordinate generation, PMM sends the request to a precision targeting manager.

Precision targeting manager who either assigns the target for further processing or rejects the target for aimpoint generation.
Program Details Continued

- Targeting manager is allowed to assign the target of interest to any available analyst
  - Analysts are automatically notified of any incoming aimpoint requests
  - Analysts have immediate access to the target’s description, latest tactical image, context map, and potential image solutions for mensurating the geo-coordinates
  - Cursor on Target (CoT) XML message is sent to initiate the Common Geopositioning Services (CGS) workstation’s CoT workflow
When working within a time sensitive environment, PMM sets expiration times on targets of interest while also prioritizing high value targets automatically.

Regardless of priority, a time stamp is applied to each step of the process; when an aimpoint request is received, assigned or rejected, accepted by the analyst, completed by the analyst, and approved by the manager.

After a targeteer completes an aimpoint, a CoT message is back to the target manager for review and approval.
Once approved, the JADOCS clients are updated with the mensurated coordinates (geo-coordinate, error) and the JADOCS target manager receives notification.
Conclusions

- Eliminates a key bottleneck in the time critical targeting process by coordinating and distributing the power of multiple targeteers working synergistically against a common threat.
- Bridges a communication gap between operators and the intelligence specialists supporting them.
- A viable solution for distributed and coordinated targeting within the time-sensitive environment.