

Marine Corps Tactical Systems Support Activity

Test and Certification Group
Configuration Management
Advanced Planning Briefing to Industry
(APBI)

Automation and Process Improvement

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MCTSSA Configuration Management Overview

- **Support Events Executed in the MCTSSA Labs**
- **Focus on**
 - Test Bed Integrity
 - Repeatability, Reliability and Integrity of the Test
- **Customers**
 - Marine Corps Systems Command
 - Test Team
 - Warfighter, Our Most Important Customer
- **Labs**
 - Rapidly Configurable
 - Replicates the Operational Environment



CM Process

- P-E-A-R
- **Planning**
 - Create Engineering Workspace
 - Create Configuration Management Plan
 - Establish Baseline
 - Physical Configuration Audit



CM Process

- **Execution**
 - Change Management
 - Capture Anomalies
 - Collect Test Incident Reports
 - Final Physical Configuration Audit



CM Process

- **Analysis**
 - Initial and Final Audit Compare
 - Resolution of Deltas
 - Test Incident Reports
- **Reporting**
 - Capture Audit Results
 - Collect Artifacts
 - Create Event Description Document
 - Controlled Repository - Final Closeout/Lockdown
 - Physical Library



Library/Data Management

- **Manage Online CM Controlled Spaces**
 - Engineering Workspace
 - Event Data Repository
 - Distribution
- **Urgent Delivery of Electronic and Hard Copy Media**
- **Protection of Data**
 - Digital Access Control
 - Controlled Access to CM Library
- **National Archives/Records Management**



Event Data Repository

- **Locked Online Repository**
- **All Files Used or Generated in Support of an Event**
- **Backup/Archive Master Maintained in the CM Library**
- **Easily Accessible**
- **Readily Available**
- **Controlled Access**
- **Available Online for 3 years**



National Archives/Records Management Assistance

Over 16000 Pieces of Media for Review/Transfer/Destroy

- Ground Level
- Large Task
- Process Development Ongoing
- Desire to Have Processes in Place and Executed by the end of the year
- NARA Will Not Accept Paper After 2022
- Slow Transfer of Paper May Result in Costly Scanning Requirements



Tools Support Assistance

- **Quality Tools that are Easy to Use**
- **Configuration Status Accounting Tool**
- **Network Discovery Tool**
- **Capability to Reach All Services Across the Network**
- **Quick Capture of Lab Baseline Configurations**
- **Quality Metrics**
- **Automated Reporting**
- **Change Management**
- **Optimize Labor Hours**



Administrative Support Assistance

- **Increase Types and Sample Size of Audits**
 - Process Audits
 - CM Documents
 - CM Library/Data Management
- **Assist With Task Load Distribution for Test Directors**
 - Meeting Scribe
 - Database Management and Data Entry
 - TIR Tracking
 - Action Items Tracking and Reporting



Industry Best Practices Assessment Assistance

Review Business Processes and Procedures for Potential Enhancements to the CM Process for Testing.



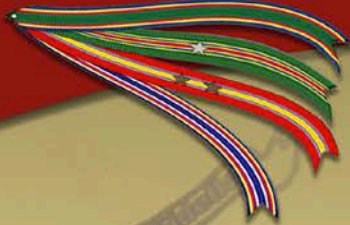
Summary

Solutions are being sought in the areas of CM technical expertise, CM tools, process automation, and test support.

- **Process Improvement**
- **Automated CM Tools**
- **Limited Operator Intervention**
- **Task Streamlining**
- **Technical Support**
- **Test Support**
- **Secret Clearance Required**

MARINE CORPS TACTICAL SYSTEMS SUPPORT ACTIVITY

Technical Excellence...Tactical Value



Thank You

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