Sustainable Operations Through EMS and Teamwork

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Background

- Executive Order 13148
 - EMS principles integrated into all mission activities and functions
 - Change in operation culture, but not the focus on primary missions
 - Opportunity for mission enhancement linking EMS to installation readiness and training/testing range operations
 - December 2005 Deadline, is your installation ready?







DoD Status/Challenges going Forward

- DOD current status
 - Historic compliance not mission focused or easily integrated into operations
 - •Environmental programs must <u>support</u> operations and training
- DOD current challenges
 - Existing/improved systems
 - •EMS must be linked to existing and planned training missions for success







Textron - A year ago...

Textron Systems - 3 locations

 Wilmington specific - variety of activities: R&D labs, manufacturing, small machine shops, engineering prototype, testing, etc.

- ISO 9000 certified
- One year to implement system some resources available



Key Elements of a successful EMS

- Strong Internal auditing program
- Management Review (and buy-in)
- Strong Legal requirement focus
- Buy-in from all levels and functions





How to get Started...

- GAP Analysis/Cross-functional teams
- 3 examples of cross-functional team importance:
 - Purchasing
 - Engineering
 - Facilities



Developing Environmental Aspects/Impacts (Utilizing ISO 14001 tools)

- Again, Cross-functional team importance
- Include all areas affected (leave nothing out!)
- This is where compliance and test operations can come together
- Ranking of significance



EMS and DOD Installations

- Successful programs at DoD Installations Navy replacing Vieques Successful pollution prevention initiatives Centralized hazardous material Pharmacies USAF "Green Bases of the Future" EMS components in munitions design/testing Army implemented test program at Fort Bragg
- However, does not link environmental compliance programs with the Installations' mission – Accomplished thru EMS



EMS at DOD Installations

- EO 13148 gives initiative and administrative support to bring environmental compliance together with Installation's core mission.
- EMS Results = Environmental Accountability sustainability, reduced costs, increased public support, limited encroachment, and survival of BRAC 2005.





Textron Partnering with the DOD

- Conducted Army, Air Force installation reviews
- Coordinating with Army installation potential Environmental Impacts from subcontractor munitions testing
- Textron EHS compliance department working closely with Engineering and installations on test range issues such as:
 - Shipping Haz. Materials
 - Waste Disposal/Munition demil
 - Secondary containment

