

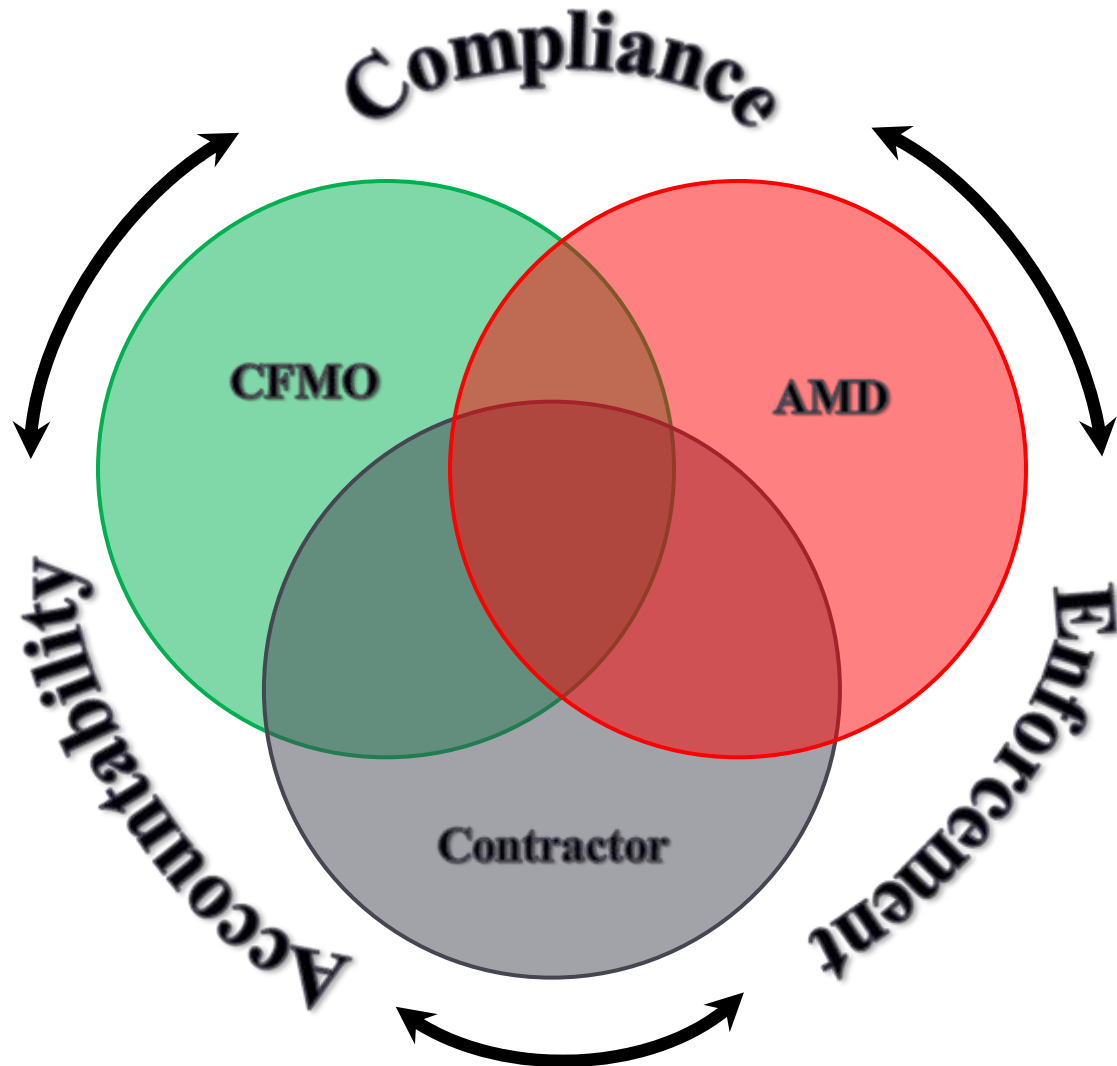
NIST Construction Safety Program

CFMO -- October 6, 2008

Scope of Construction Program

- ▶ In FY2008 approx. 450 contracts totaling over \$150M
- ▶ Repairs and renovations
 - ▶ 75 major repair projects averaging \$200-\$500K
 - ▶ 275 smaller repair projects ranging from \$1K - \$200K
 - ▶ 265 lab renovation projects ranging from \$1K - \$3.5M
- ▶ Major Construction of Research Facilities
 - ▶ Central Utility Plant and Site Utility Distribution System (\$34.9M)
 - ▶ Building I Extension (\$66.0M)
 - ▶ NCNR Expansion (\$21.5M)

Construction Safety Management



Compliance

- ▶ All construction contracts require that contractor comply with:
 - ▶ OSHA 29CFR1926, Safety and Health Standards for Construction
 - ▶ OSHA 29CFR1910, General Industry Occupational and Safety Health Standards
 - ▶ Federal Acquisition Regulation 52.236-13 on Accident prevention
 - ▶ NIST Health and Safety Instructions, as applicable
 - ▶ Other job specific code and permit requirements
- ▶ Major Project contracts also require that contractor:
 - ▶ Submit Project Safety and Health Plan for review and approval by the COTR

Enforcement

- ▶ **Pre-construction meetings**
 - ▶ Review safety requirements
 - ▶ Define safety process, roles, responsibilities and expectations
- ▶ **Daily Field Inspections by CFMO staff**
 - ▶ Violations documented in the field and aspect of job stopped
 - ▶ Violations reported to the Contracting Officer and Project Manager
 - ▶ Violations evaluated and follow-up inspections conducted to ensure correction
- ▶ **Regular meetings between Government & Contractors (weekly for major projects)**
 - ▶ Discuss safety violations and concerns
 - ▶ Review causes and corrective actions taken
 - ▶ Monitor Contractor Safety & Health Plan, if applicable
- ▶ **Construction Warning Signage Posted at Jobsites**
 - ▶ Keeps non-contractors out
 - ▶ List the PPE needed to enter

Accountability

- ▶ Contractor required to manage Safety and Health Plan (Major Projects)
 - ▶ Contractor required to have Safety Manager
 - ▶ Part-time or full-time Safety Representative required
- ▶ Written cause and corrective action required for violations
- ▶ Unsafe work practice stops immediately until corrected
- ▶ Immediate removal of personnel from the project for life threatening violations
- ▶ Removal of personnel from job for repeated violations
- ▶ Stop Work orders issued by Contracting Officer

Pending Improvements

▶ Compliance

- ▶ More clearly establish requirements and expectations in contract
- ▶ Develop contract language to require contractors to implement a written worker protection program as part of their project specific Safety and Health Plan (major projects)

▶ Enforcement

- ▶ Implement safety checklist to review contractor Safety and Health Plan
- ▶ Develop contract language for defaulting contractors based on poor safety performance
- ▶ Develop contract language requiring contractor to document safety and job-skill related training and certification for project work activities

Pending Improvements (cont.)

▶ **Accountability**

- ▶ Develop contract language for incentives and penalties
- ▶ Develop contract language that allows government to stop work if contractor fails to document training or provide certifications
- ▶ Document safety performance in “Past Performance Information Reporting System”

Want to do more...

- ▶ **Notify contractor's insurance carrier of:**
 - ▶ All safety violations and incidents
 - ▶ Projects completed without violations or incident
- ▶ **Reference checks with contractors' workers comp insurance company**
 - ▶ Review experience modification rating
 - ▶ Review significant subcontractors
- ▶ **Direct contractor on safety without financial penalty to government (i.e. claims for change orders)**

Addressing Safety in Facilities Repairs

A	B	C	D = A x C
Weight (1 to 10)	Rating Categories	Ratings (0 to 5)	Scores (0 to 50)
10	Sequencing (1st Project in Related Series)		
8	Program Effectiveness		
10	Imminent Failure		
10	Personnel Safety		
10	Life Safety		
10	Environmental and Personnel Health		
10	Rules, Codes, or Laws		
10	Energy Efficiency		
5	Asset Protection		
8	System Functionality		
9	System Capacity		
(Total = 100)	Total for each Project		

