

# **CAS/CAIS History**

1991 - 1999

# Slide Show

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# Facility Management Order Evolution

CAMP	LCAM	RPAM
1992 – 1995	1995 - 2003	2003 - Present
Very Prescriptive	Laissez-Faire	Recommendations

# CAMP Era...DOE 4320.2

- Three Major Processes:
  - Life Cycle – A plan to determine life cycle processes.
  - Prioritization – Rating and rankings of projects.
  - Condition Assessment Surveys – provides for standardized inspection, assessment, and reporting of the condition of DOE property.
  - Required implementing the CAS program.

# CAMP Era...DOE 4320.2

- CAMP Requirements:
  - Required “the implementation of the Condition Assessment Survey (CAS) program.”
  - Field Mgmt was responsible for “developing and maintaining the CAS manuals, a Quality Assurance program for CAS, and CAIS.”

# CAS Program

## “Standardized Approach”

- Assess/Inspect Physical Condition of Assets
- Standardize Inspection Programs
- Identify Repair/Replacement Funding
- Develop Supportable Funding Requests

# CAS Contract Elements (1991-1996)

- Develop Def. Stds & Inspection Manuals
  - 12 Manuals
- State-Of-The-Art Technology
  - Inspection and Site CAIS Development.
- Pilot Testing
  - 5 Pilot Sites- ANL, LLNL, ORNL, LANL, Sandia
- Training
  - Site & Management Training
- Technical Support
  - Hotline Support for all CAS Elements
- Contract awarded to Parsons Brinckerhoff, KPMG Peat Marwick & Tenera on July 5, 1991.

# CAS Contract Cost

- Manuals - \$1.95 million
- CAIS Development - \$2.4 million
- Pilot Testing - \$1.3 million
- Training - \$3.4 million
- Handheld Computers - \$1.2 million
- Travel - \$692k
- Technical Support - \$1.1 million

# CAS Contract Cost

- Field Mgmt. Startup Funds - \$3 million
- Funded by Program Offices
  - Based on # of assets/PSO in RPIS/FIMS database
- Total Cost - \$18 million

# CAS By-Products

- FIMS Development in 1994-95 by KPMG Peat Marwick.
- NASA License
- HUD License
- CFC inspection tasks for NNSA.
- CAS QA program by Parsons Brinckerhoff.

# User Group Established

- Established in '94
- Provide CAS and CAIS development and implementation feedback by sites.
- Essential for CAS and CAIS success.

# LCAM Era Begins (1995-2003)

- CAMP's "Onerous" Reports
- LCAM requirements...specific mention of CAS was deleted only stated "the process for the operation and maintenance of physical assets shall ensure, as a minimum, the following (1) the identification, inventory, and periodic assessment of the condition of physical assets in the maintenance program."

# Maintenance Era

- CAS use declines due to LCAM
  - DOE Sites used CAS, a substitute program, or did nothing.
- Eight sites in the User Group.
- DynCorp takes over from Parsons Brinckerhoff.
- Summary Condition Report developed in '97-'98.

# Big Moments in the Maintenance Era

- FASAB Std #6 Deferred Maintenance Issued...1998
  - “determine & report deferred maintenance estimates.”
  - Applied to all Fed Agencies
  - Recommends condition assessments be used to capture DM data.
  - DOE identifies % assets above and below 5% Condition index. (acceptable condition)
  - CAS/CAIS meets FASAB requirements.

# Big Moments in the Maintenance Era

- GAO Report (NSIAD-99-100) for Armed Services Subcommittee.
  - “analyzed how services determine & prioritize maint. & repair requirements.
  - Identified promising practices.
  - Identified barriers to practices implementation.”
  - LLNL & BYU only two identified that have promising practices.

# CAS Legacy (1991 - 1999)

- CAS/CAIS designs continue to meet good stewardship practices for facilities management.
- HQ and site support continues for CAS/CAIS. (75% of assets using CAS process)
- User Group involvement continues in condition assessment and facility mgmt. product developments.

# CAS Legacy (1991 - 1999)

- Def. Stds. and Inspection Manuals continued use as guideline for doing condition assessments.
- CAS Condition Codes...Became the basis of the FIMS codes, FCI indices and performance metric in DOE order.
- Summary Condition Report...Essential mechanism for DM & condition index reporting.

**Maintenance Era Continues  
(1999 - Present)**