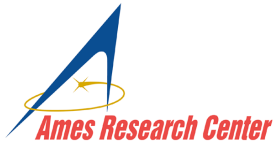


# **LIFTING DEVICES**

## **FACILITIES MAINTENANCE SERVICES**

**NASA Ames Research Center  
MOFFETT FIELD, CA 94035-1000**



# NASA ARC LDEM

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## WHAT IS LDEM?

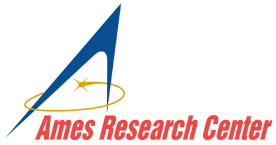
- Lifting Device Equipment Manager

## WHO IS THE LDEM?

- Robert S. Munoz

## RESPONSIBILITIES?

- Establish and manage the Ames Research Center Lifting Device Equipment Program in accordance with NASA-STD-8719.9



# INDUSTRY GOVERNING REGULATIONS

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- NASA-STD 8719.9 NASA Standard For Lifting Devices and Equipment
- CFR 1910.179 Overhead and Gantry Cranes (Federal)
- ASME B30.2 Overhead and Gantry Cranes
- ASME B30.5 Mobile Cranes
  - Grove 8.5 Ton

# CRANE TYPES

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1. Remote, pendant and cab operated
2. Overhead Gantry (35/75 Ton)
3. Overhead Bridge (1/35 Ton)
4. Jib (1/2 Ton)

# HOIST TYPES

1. Chain (manual)
2. Electric
3. Pneumatic

# INSPECTIONS, TESTING, AND MAINTENANCE

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1. Monthly (wire rope/block)
2. Quarterly
3. Annual (top to bottom/rated load ck +5 -0)
4. Critical (Yearly)
5. Non-Critical (Quadrennial)
6. Labeling/tagging (hard tags)

# TESTING REPORTS/CERTIFICATIONS

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1. Electronic/Written (anomalies/inadequacies)
2. Dated
3. Signed
4. Review Status - Discuss Corrective Action With LDEM