

API



**Operations & Technical
Committee
"OTC"**

Larry J. Davied

OTC Chair – 2007 & 2008

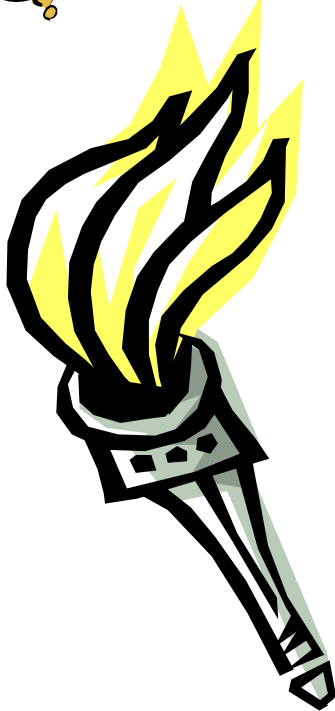
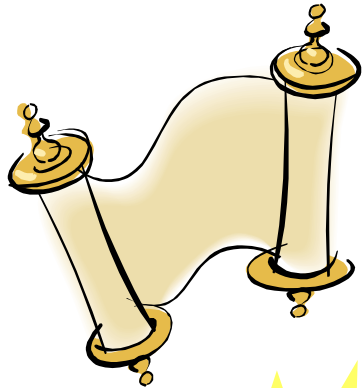
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OTC Primary Focus Areas



OTC Subcommittees

- **Cybernetics**
- **Pipeline Integrity**
- **Operator Qualification**
 - **Review Agendas, Areas of Focus, Reports**
 - **Consult/Advise**
 - **Monitor Results**



OTC Interaction

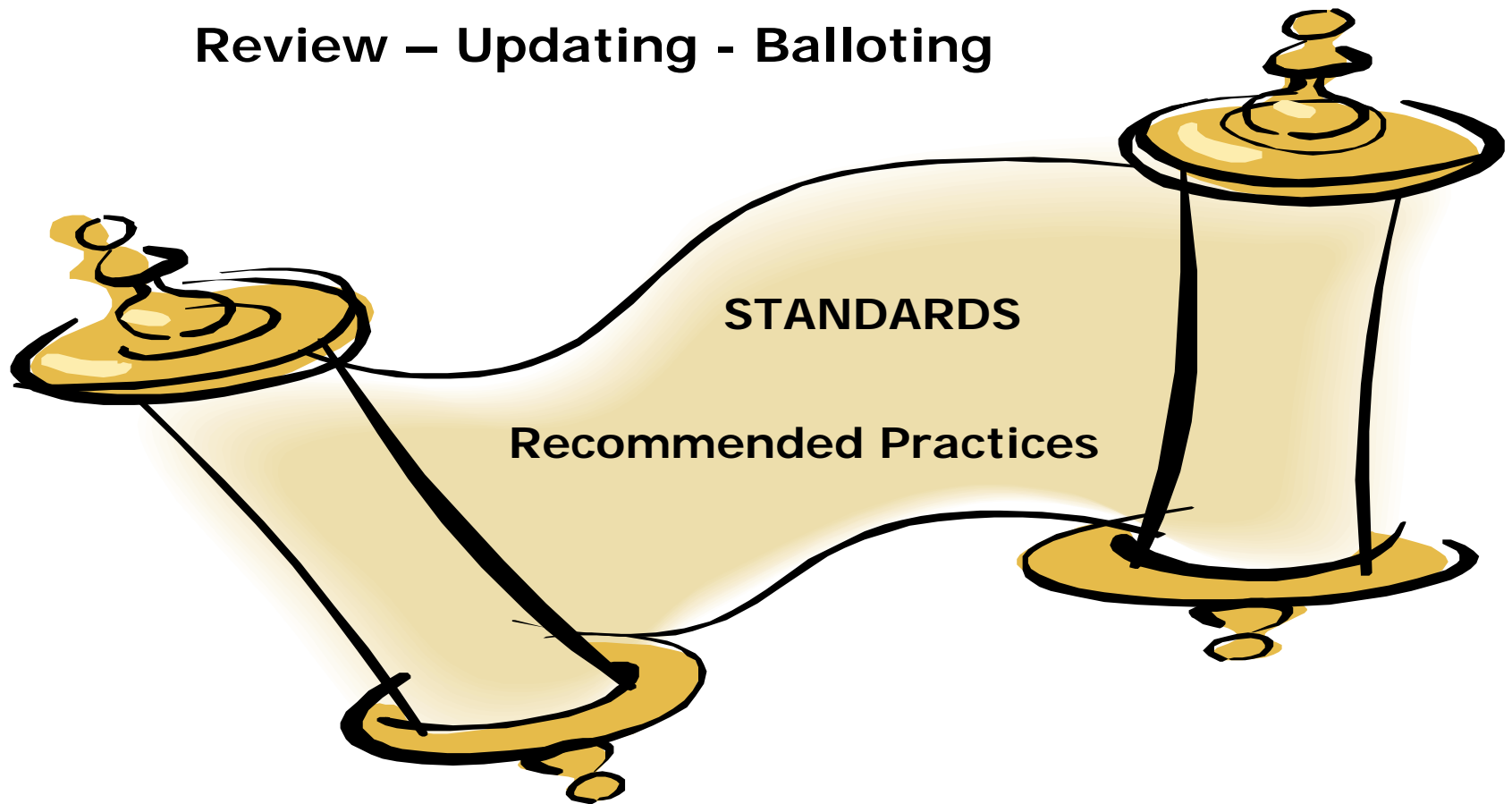
□ Alignment & Interaction with:

- CEHS
- PET
- API Leadership
- AOPL
- PHMSA

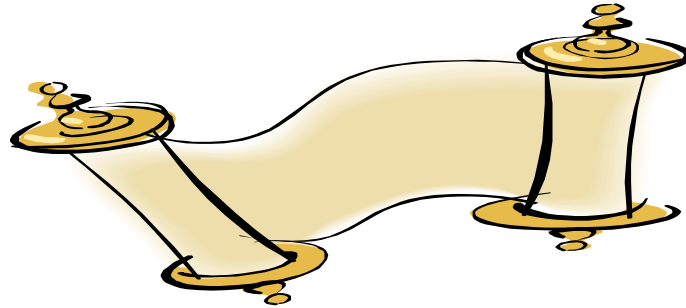


API Standards

Review – Updating - Balloting



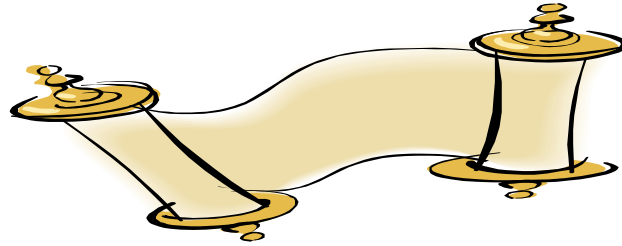
Pipeline Standards - Closed



- **API 1104** **Welding of Pipelines and Related Facilities**
- **API 1133** **ILI Systems Qualifications**
- **API 1130** **Computational Pipeline Monitoring for Liquids P/L's**
- **API 1163** **Guidelines for Onshore HC P/L's Affecting High Consequence Floodplains**

- **RP 1110** **Pressure Testing of Steel P/L's**
- **RP 1113** **Developing a P/L Supervisory Control Center**
- **RP 1114** **Design of Solution Mined Storage Facilities**
- **RP 1115** **Operation of Solution Mined Storage Facilities**
- **RP 1165** **Pipeline SCADA Displays**
- **RP 1166** **Excavation Monitoring**

Pipeline Standards – Under Review



- **STD 1160** **Managing System Integrity for Haz Liquid P/L's**
- **STD 1164** **SCADA Security**

- **GD 1161** **Qualification of Liquid Pipeline Personnel**
- **RP 1102** **Steel Pipelines Crossing RR's and Highways**
- **RP 1109** **Marking Liquid Petroleum P/L Facilities**
- **RP 1111** **Design, Construction, Operation, and Maintenance of Offshore HC P/L's and Risers**

- **RP 1117** **Movement of In-Service Pipelines**
- **RP 1162** **Public Awareness Programs for P/L Operators**
- **RP 1167** **Alarm Management**
- **RP 1168** **Control Room Management**
- **RP 2200** **Repairing Pipelines**

Research & Development

- Review and Prioritize emergent and ongoing R&D projects
- Coordinate with API Leadership Committee to align priorities
- “Vote” AOPL \$'s for PRCI Projects



R&D – 2008 AOPL PRCI Balloting

Project Categories – 14 Total

- ❑ BioFuels – P/L Transportation
- ❑ Damage Prevention
- ❑ Facility Integrity
- ❑ Mechanical Damage Assessment
- ❑ P/L Leak Detection – Low Volume/Rate Releases



R&D – 2009 Project Considerations

- ❑ Ethanol in Pipelines/SCC
- ❑ Detection of Small Leaks in Liquid Pipelines
- ❑ ROW Monitoring
- ❑ Facility Integrity – Risk Based Tools
- ❑ Pipeline Longitudinal Seam Defect Characterization
- ❑ Pipeline Crack Growth and Re-Inspection Intervals
- ❑ AC Interference Detection with ILI
- ❑ Repair/Mitigation of Disbonded Coating
- ❑ Remote Station/Facility Monitoring
- ❑ New Technology for Inspection of non-piggable P/L's
- ❑ Longitudinal Seam Weld Corrosion



OTC Member Roundtable

- ❑ Basic tone is that Pipelines are one community, and that negative events have broad Operator/Regulator impact
 - Strong Benefits in Sharing Lessons Learned
 - Roundtable Discussion Benefits
 - ❑ Raise Awareness of Potential Issues
 - ❑ Avoid Common Mistakes
 - ❑ Early Discovery of Emergent Events
 - ❑ Reduction of Leaks
 - ❑ Improved Safety
 - ❑ Protection of Public and Environment
 - ❑ Respect Confidentiality



(~ 25 Participants)

OTC “Hot Topics”

- ❑ Facility Integrity
- ❑ Damage Prevention
- ❑ Operating Practices Forum
- ❑ Operational Leading Indicators
- ❑ Alignment with PHMSA Priorities

