

# **API 1164 Standard Revision**

April 10, 2008

# Background – Why Revise?

- API - 1164 published September 2004
- Rapid technology changes
- Advances in cyber-security research, techniques and accepted processes

# Overview of Process and Changes

- Review team includes broad spectrum of member to include industry and national laboratory
- Gap analysis involving reviews
  - Other industry standards
  - Technology advances
  - Government documents such as *Catalog of Control System Security Requirements*

# Overview of Process and Changes

- Added a section of SCADA personnel roles and responsibilities
- Expanded definitions section (41 – 49)
  - Biometrics
  - Operator Work Station
  - VPN
  - VOI/IPT
- Revise reference drawings
- Access Control Section changes include
  - Biometrics
  - Disabled Non-Required Services
  - Operating System and Application Updates

# Overview of Process and Changes

- Access Control Section changes - continue
  - Business Continuity Planning
- Integrity Section changes –
  - Expanded intrusion detection services
- Availability Section changes –
  - Modified Router and Switch to Network Equipment

# Overview of Process and Changes

- Network Design Section changes –
  - Restructured for an external to internal data flow configuration
  - Added Network Monitoring and Management sections
  - Added sections on
    - VoIP/IPT
    - Instant messaging
    - Wireless Networking
    - Audio/Video Conferencing
    - Video Surveillance

# Overview of Process and Changes

- Management System Changes –
  - Added section a separate section on Security Policies and Change Management
- General format restructure

# Next Steps

- Review Team Finalize Revision Efforts ~ May 2008
- Revision Team Submit to API for OTC (which is comprised of both AOPL and API) vote (6 week time period)
- Comment solicited from voters (OTC) and non-voters (other interested parties) during the ballot period
- After the ballot closes, committee to resolve any received comments (2-4 weeks).
- If technical changes occurs, as a result of the comment resolutions, then the document needs to be re-balloted (another 6 weeks).
- If no technical changes document goes to publication for formatting and release (this takes from 1-2 weeks).