

US EPA ARCHIVE DOCUMENT

SPCC and Industry Standards

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Key Theme - Industry Standards

- SPCC has 2 goals
 - Prevention
 - Emergency Response
- Industry standards are preventive
- There are hundreds of tank standards

The Link Pin - the PE

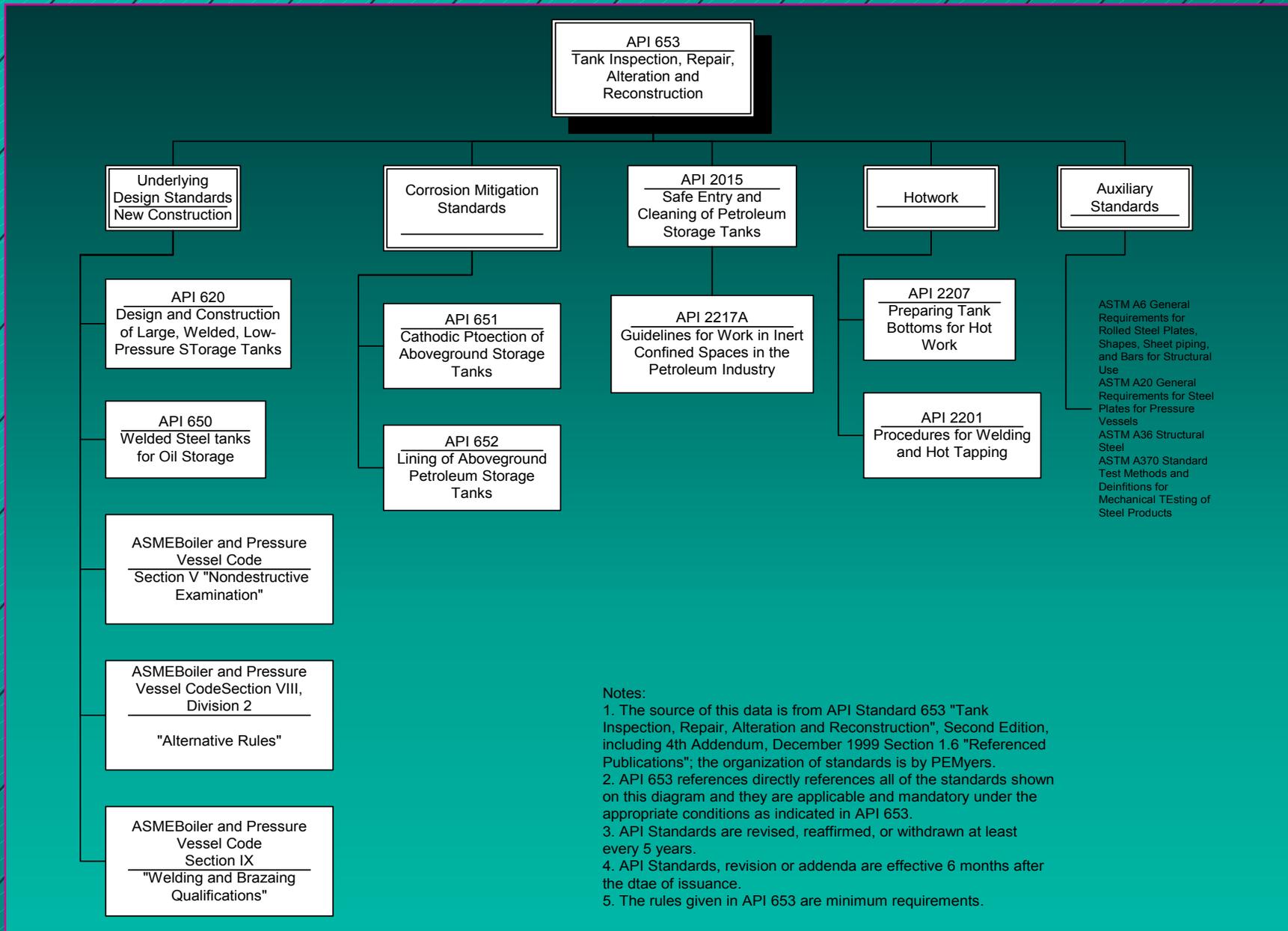
- Must be familiar with SPCC
- PE or agent has visited site
- Plan meets requirements
- Plan in accordance with “good engineering practice”
- Applicable industry standards have been considered

Industry Standards

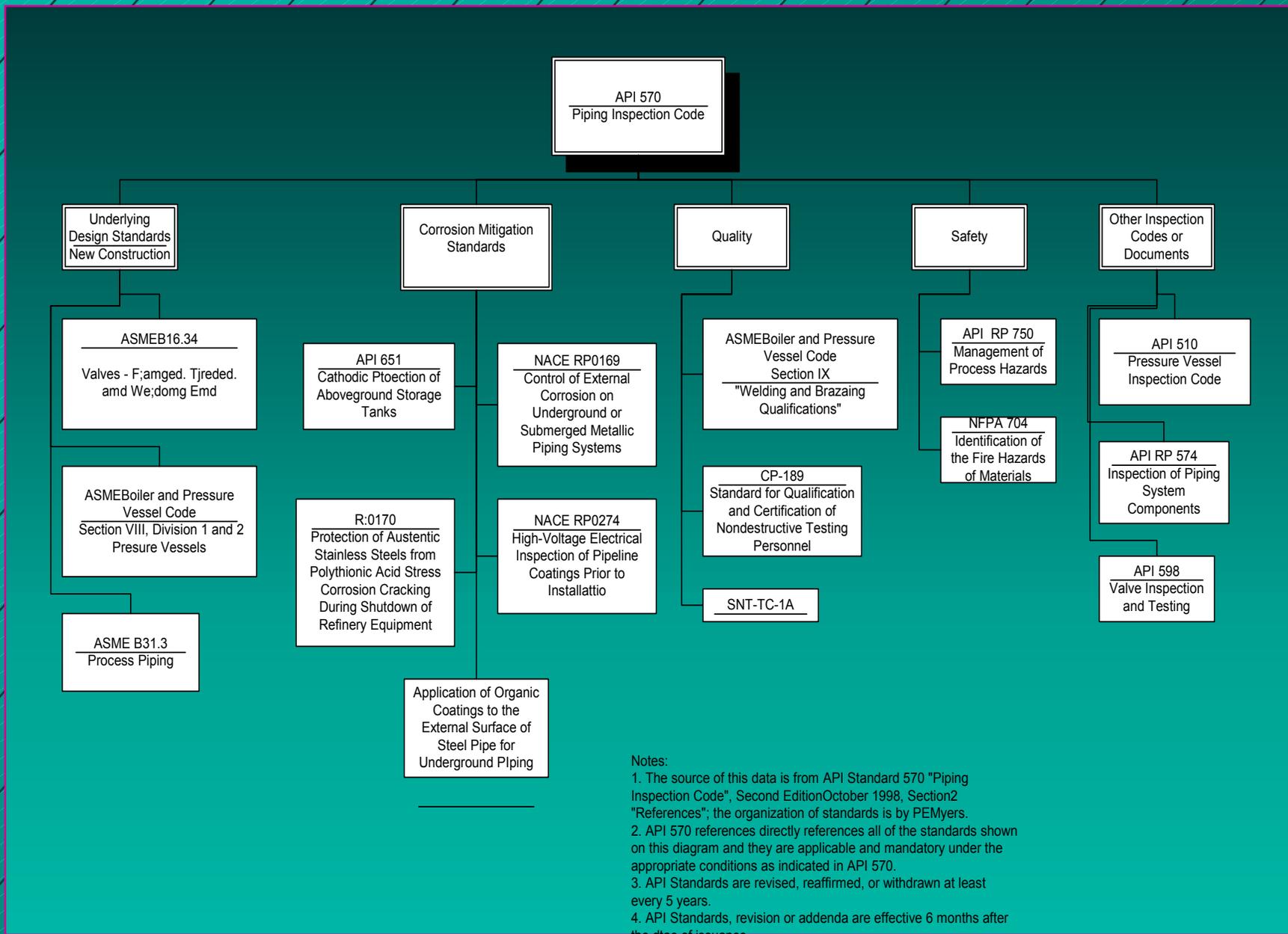
- 2 Key Resource Documents
 - API 2610 Design, Construction, Operation, Maintenance and Inspection of Tank and Terminal Facilities
 - API 340 Liquid Release Prevention and Detection Measures for Aboveground Storage Facilities

Existing Only (Major Simplification)

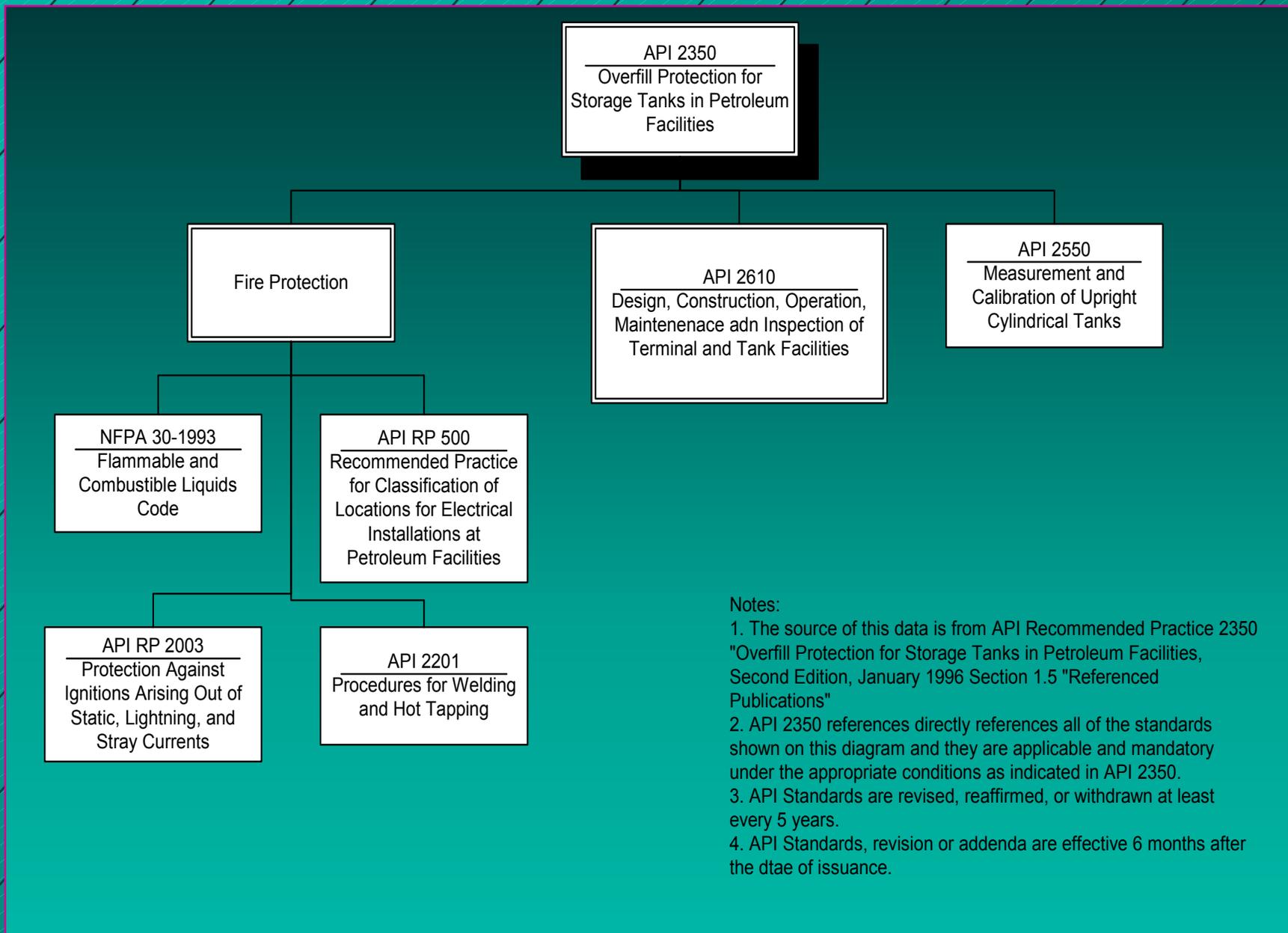
- Tank Inspection Codes
 - API 653 Tank Inspection, Repair, Alteration, and Reconstruction
 - STI SP001-00
 - API 12R1
- API 570 Piping Inspection Code
- API 2350



- Notes:
1. The source of this data is from API Standard 653 "Tank Inspection, Repair, Alteration and Reconstruction", Second Edition, including 4th Addendum, December 1999 Section 1.6 "Referenced Publications"; the organization of standards is by PEMyers.
 2. API 653 references directly references all of the standards shown on this diagram and they are applicable and mandatory under the appropriate conditions as indicated in API 653.
 3. API Standards are revised, reaffirmed, or withdrawn at least every 5 years.
 4. API Standards, revision or addenda are effective 6 months after the date of issuance.
 5. The rules given in API 653 are minimum requirements.



Notes:
 1. The source of this data is from API Standard 570 "Piping Inspection Code", Second Edition October 1998, Section 2 "References"; the organization of standards is by PEMyers.
 2. API 570 references directly references all of the standards shown on this diagram and they are applicable and mandatory under the appropriate conditions as indicated in API 570.
 3. API Standards are revised, reaffirmed, or withdrawn at least every 5 years.
 4. API Standards, revision or addenda are effective 6 months after the date of issuance.



Notes:

1. The source of this data is from API Recommended Practice 2350 "Overfill Protection for Storage Tanks in Petroleum Facilities, Second Edition, January 1996 Section 1.5 "Referenced Publications"
2. API 2350 references directly references all of the standards shown on this diagram and they are applicable and mandatory under the appropriate conditions as indicated in API 2350.
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Conclusions

- Prevention will protect the environment more than emergency response (spills are reduced)
- The stronger use of industry standards is exactly what is required (and implied by SPCC).
- The PE is the link pin holding it all together
- Owners must allocate resources and