PHM Society-
Panel on PHM Standards Experience for Manufacturing

The Benefits of Working on Standards
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Why Develop Standards?

• Everything already mentioned +
• Because the industry needs them
  – Make communications easier
  – Reduce overall cost of doing business
  – Standardize tools
• Because external stakeholders request them
  – For example, to make certification or tool qualification easier (e.g. ARP4754)
  – Or, document the state-of-the-art in a specific area (e.g. AIR6212)
• Because it helps foster personal growth!
A Specific Example

Need for vibration monitoring

Need for engine rotor unbalance indicating system.

Led to airlines adopting advanced monitoring practices (e.g. Swiss Air) and SAE standards
Advantage of Being There First

- This industry need created a requirement for standards
- The SAE established a technical committee to address the need
- Some suppliers jumped into the fray and helped develop these standards
- Their products were guaranteed to conform to these practices since they helped author them!