

# PHM Society- Panel on PHM Standards Experience for Manufacturing

The Benefits of Working on Standards

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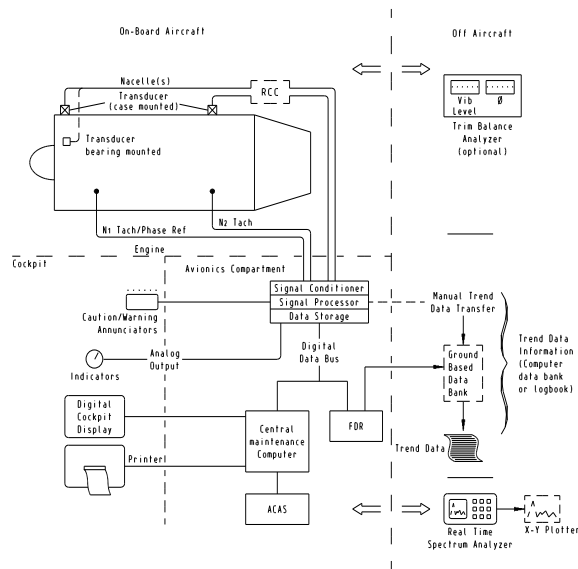
*drR<sup>2</sup> consulting*

# Why Develop Standards?

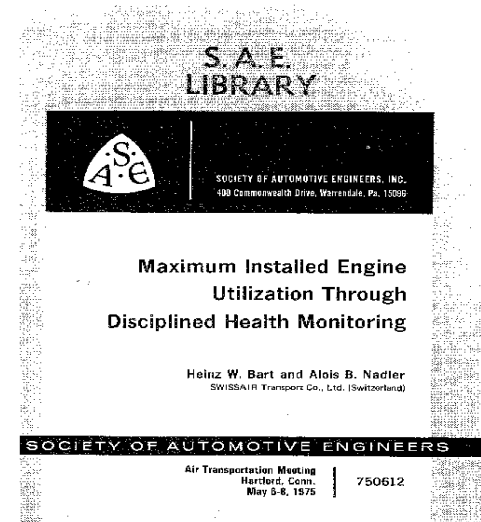
- Everything already mentioned +
- Because the industry needs them
  - Make communications easier
  - Reduce overall cost of doing business
  - Standardize tools
- Because external stakeholders request them
  - For example, to make certification or tool qualification easier (e.g. ARP4754)
  - or, document 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!