
DOE Accelerated Aging & Reliability in PV Workshop II Denver, Colorado April 1-2, 2008

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Accelerated Aging & Reliability Workshop II



- Welcome to All Participants
- Why is reliability important to DOE?
 - Meet Solar America Initiative (SAI) goals
 - Enhanced confidence in performance and financial predictions (lowers risk)
 - Key to continued massive growth
 - Increasingly important to our industry

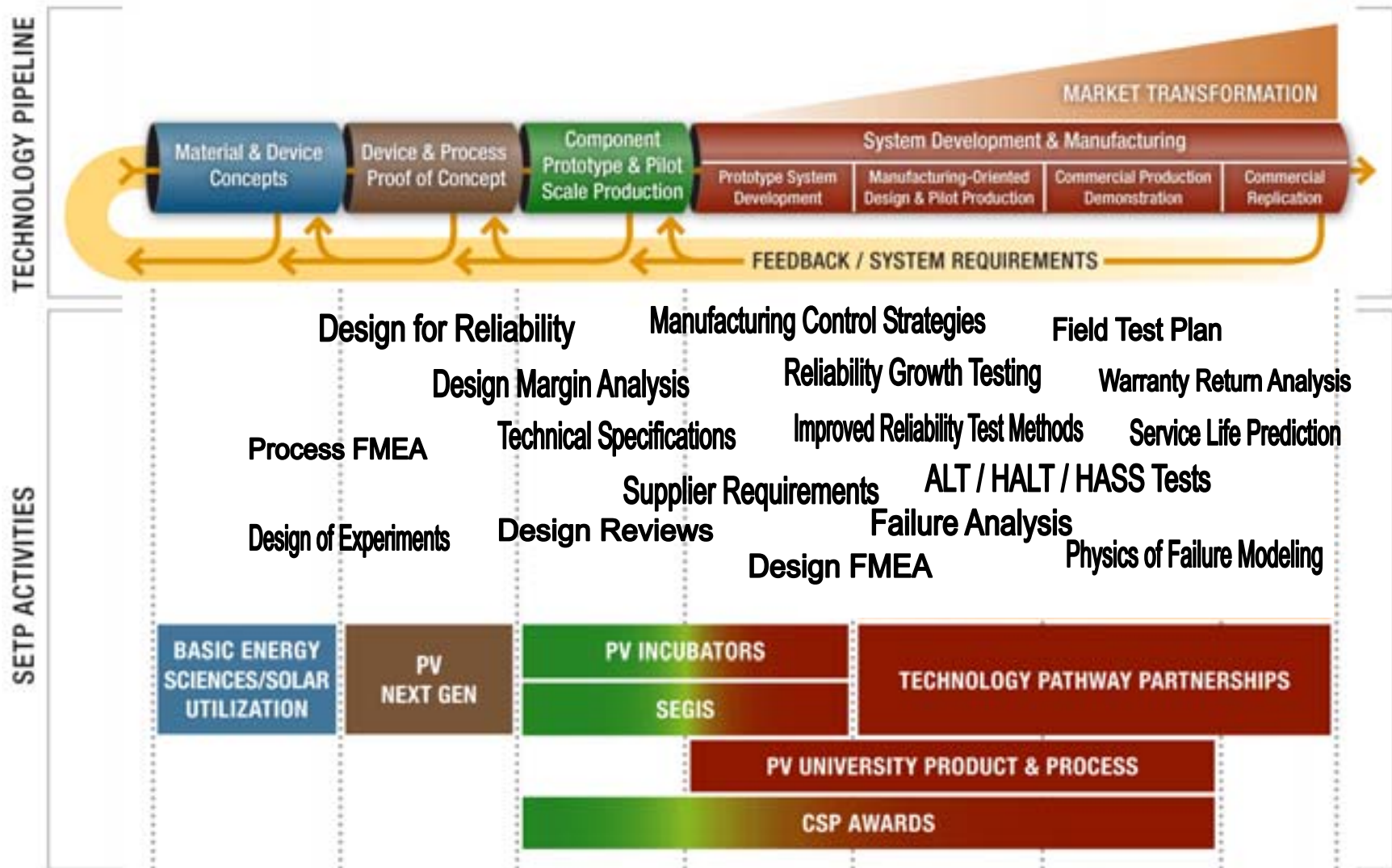
Industry Input



- What have we heard from industry?
 - Great input, interest, and guidance from first workshop
 - Priorities established for Accelerated Aging Test Improvements
 - Systems, Modules & Cells – summarized status, needs, and priorities in each area
 - SAI solicitations (and other industry interactions) resulting in collaborations for testing/evaluation of new products/technologies
- What have we done about it?
 - Requested (and received) additional funding and prioritized these activities
 - Embarked upon a reliability program to support the PV industry in light of SAI



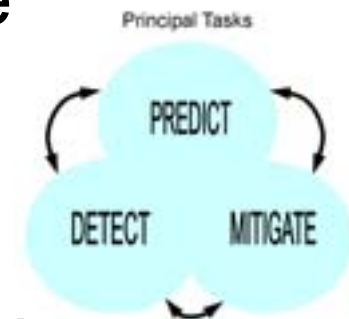
Reliability is Important Throughout the PV Technology Pipeline & SETP Activities



DOE's Vision for Reliability



- DOE Working through National Laboratories and Industry Partners
- Identifying, applying, and improving best practices:
 - Reliability Engineering
 - Testing
- Active Partnerships gathering, appropriately sharing, and analyzing data
- **End Goal:** Industry adopting and applying these practices to produce even more reliable and cost-competitive products



Accelerated Aging Workshop



- What do we need from this workshop?
- We need Industry input on needs and priorities in reliability-related:
 - Testing, including protocol development or improvement
 - Data Evaluations, especially field observations of failure modes
 - Predictive Analyses, demonstrating its value
- We also need feedback on how DOE can best support the PV industry in the area of reliability.



Questions?

Contact Information



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