



WHPA EC FDD Roadmap Update November 15, 2017

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FDD Committee Industry Roadmap Updates

Original Goal

*CLTEESP HVAC Goal 4: New climate-appropriate HVAC technologies (equipment and controls, including system diagnostics) are developed with accelerated market penetration. **Goal Results:** At least 15 percent of equipment shipments are optimized for California's climate by 2015 and 70 percent by 2020.*

New Goal

Not particularly relevant and will not be included in new Roadmap.

FDD Committee Industry Roadmap Updates

Original Goal

CLTEESP HVAC Strategy 4-5: Develop nationwide standards and/or guidelines for onboard diagnostic functionality and specification for designated sensor-mount locations.

New Goal

Continue to work with national groups focused on FDD and CA utility programs

FDD Committee Industry Roadmap Updates

Original Goal

CLTEESP Strategy 4-6 : Prioritize in-field diagnostic and maintenance approaches based on the anticipated size of savings, cost of repairs, and the frequency of faults occurring.

- *Benchmark protocols and develop products.*
- *Commercialize Onboard Diagnostic systems.*
- *Incorporate mandatory Onboard Diagnostic Systems in California Building Codes.*

New Goal

Commercialize Onboard Diagnostic Systems that meet CA requirements.

Incorporate mandatory Onboard Diagnostic Systems in California Building Codes for built up and residential systems.

FDD Committee Industry Roadmap Updates

Original Goal

Lack of Standards

Currently, there is no established method to prove that an FDD tool works properly and will not generate excessive false alarms.

New Goal

Continue to develop clearinghouse to publish research data on FDD tools and post reviews.

Work with other groups to develop a list of technologies and functionalities.

FDD Committee Industry Roadmap Updates

Original Statement

Lack of Customer Pull

- Design and Launch IOU FDD Programs.

New Statement

Continue to provide information to IOU Quality Maintenance programs to update their use of FDD technologies.

Other Changes

Removed Action Item Tables:

- Out of date
- Related to goals from other groups
- Could cause confusion as to responsibility of Committee

FDD Committee Industry Roadmap Updates

Addition of Appendices:

- Relevant FDD research and reports
- Companies that manufacture FDD controls
- FDD-related Patents

Benefits:

- Easily add new research and firms
- Simple to upload to website
- Easy to share

Thank You

QUESTIONS?