Structured Discussion Part II
ENERGY STAR CAC/ASHP
Quality Installation

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Promoting Quality Installation

• What is the Value?
  – for Consumers (Will they ask for it?)
  – for Contractors (Will they sell it?)
  – for Manufacturers (Will they support/train?)
  – for EEPS (Will they promote/subsidize?)

Is there enough value for enough players to motivate the necessary actions?
Building a Market Infrastructure

**Energy Star Installation Guidelines**

- Installation by Certified Technicians
- Contractor Accreditation or Third-Party Verification

**Value to Consumers**

**Reliability for EEPs**
Installation Guidelines

- Design/proper sizing
- Refrigerant charge
- Airflow
- Ducts
- Collection/analysis of performance data
- Commissioning report for the owner

Are these the correct parameters? Are these the correct parameters? Is there agreement on how to measure them? What are the challenges? What is the value?
Certified Installers

• Should we specify who is qualified to do ENERGY STAR installations?
  – What are the right qualifications?
  – Who should train the technicians?
  – Who should “certify” them?
  – Who pays for the training & certification?
Verification

- How important is verification?
  - Utility perspective
  - Contractor perspective

- How soon should it be in place?

- Have we identified all possible models?

- What should be verified?
  - Sizing
  - Refrigerant
  - Air flow
  - Other?
Accreditation vs. Third Party

- Is there significant value in someone beside the contractor evaluating the installation?
- What would constitute an acceptable accreditation program for contractors?
- Could we use third parties (HERS, EEPS) as interim step to nationwide accreditation program?
- What is potential role for services like CheckMe!?
Logistics & Pesky Details

- How long to set up accreditation program(s) and accredit qualified contractors?
- What third parties could conduct verifications?
- Who pays for verification?
- What part of system installation is actually verified?
- Will contractors do the extra paperwork?
- What is time lag before consumer knows if their system qualifies/is installed properly?
  - Additional time lag if corrections needed
  - Embarrassment to contractor/technician if rejected
Should data be collected from each installation?

Who would collect it?

Who would it be reported to?

What is value to consumers?

How do we streamline this for contractors?

What is value to EEPS? EPA?