



Commercial Whole Building Performance Committee

Energy Information Systems Part 2: A
Binational Specification Opportunity

Kim Erickson
Program Manager
June 3, 2010
Boston, MA

Ground Rules and Introductions

- ▶ All perspectives valid and valued
- ▶ Interactive
- ▶ No such thing as a dumb question
- ▶ Fuel neutral
- ▶ Use of parking lot
- ▶ Follow committee conduct guidelines

Definition Review

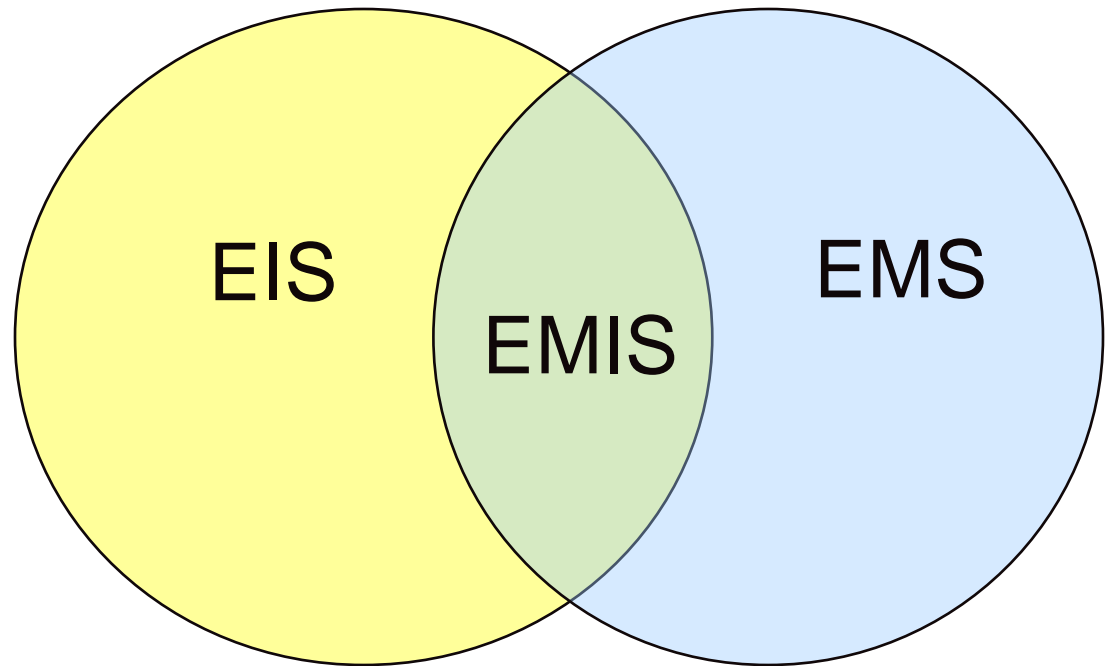
Whole Building

System

Subsystem

Equipment

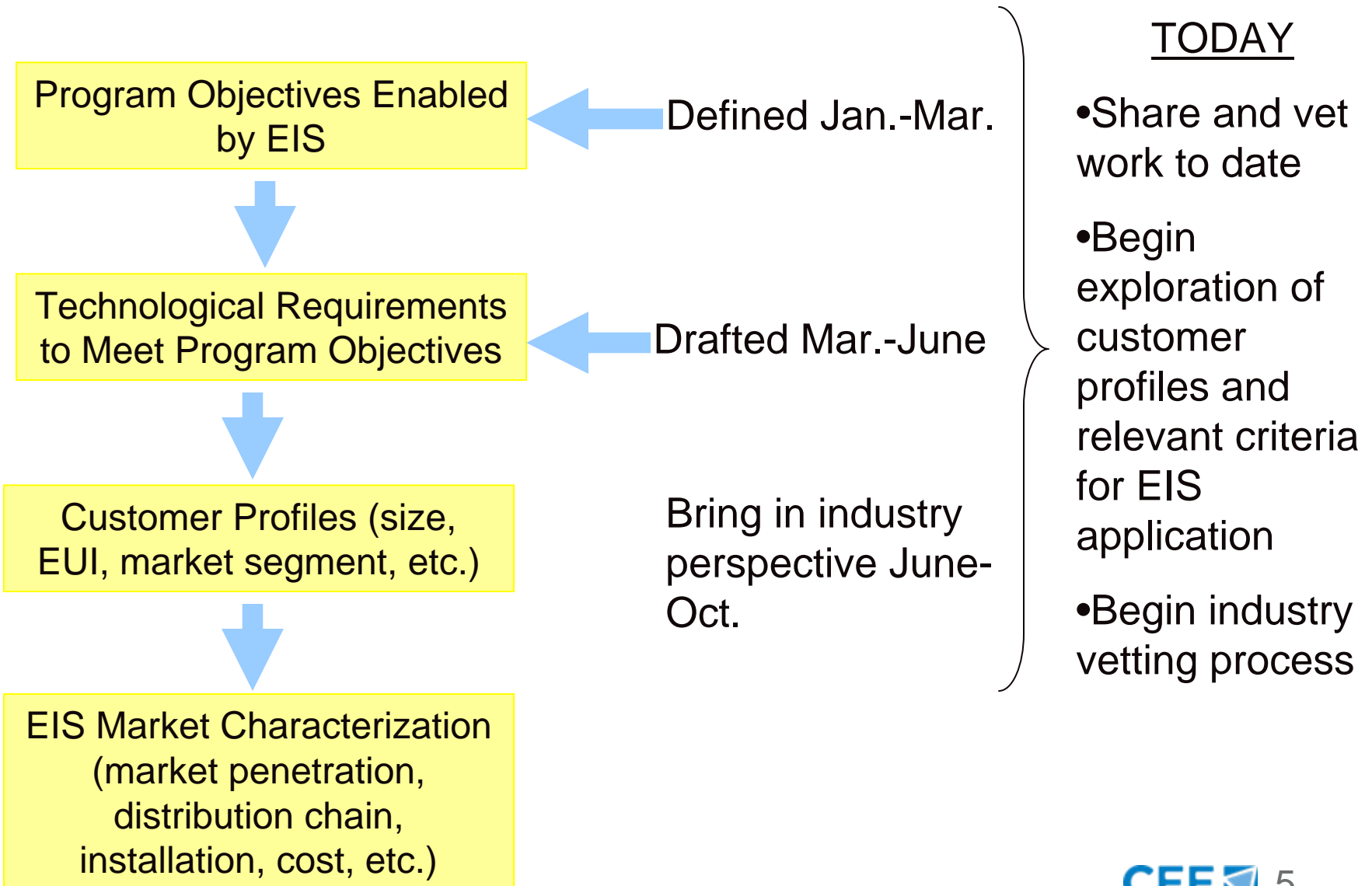
Component



Session Objectives

- ▶ To gain an understanding of how EIS supports program objectives
- ▶ To develop a guidance specification for EIS for voluntary adoption into efficiency programs

Process and Milestones



Session Agenda

- ▶ Expose guidance specification
 - Program objectives
 - Purpose
 - Format
 - Small group activity
- ▶ Analyze guidance specification
 - Questions to consider
 - Small group activity
- ▶ Wrap Up and Next Steps

Whole Building Program Approaches EIS May Impact

- ▶ Performance based program approaches
- ▶ O&M and Cx of Existing Buildings program models
- ▶ Behavior based programs
- ▶ Remote audit programs
- ▶ Automated demand response programs
- ▶ Approaches involving new or difficult to calculate measures

Program Objectives

- ▶ Streamline, increase the accuracy, and reduce the cost of:
 - Customer and building screening
 - Identification of energy and demand savings
 - Prioritization of energy and demand savings
 - Measurement and verification of energy and demand savings
- ▶ Conspicuously absent: realization of energy and demand savings
 - This is an *enabling* technology that *must* be combined with ways to realize savings

Purpose of Guidance Specification

- ▶ Help *programs* identify EIS features and functions that support their program objectives
- ▶ **NOT** intended for end users
- ▶ **NOT** intended as comprehensive procurement specification

The Guidance Specification

- ▶ Purpose, Definitions
- ▶ Required Features and Functions
 - Basic Requirements
 - Enhancements
- ▶ Optional Features and Functions
 - Basic Requirements
 - Enhancements

Features and Functions

- ▼ Data Collection, Transmission, Storage, and Security
- ▼ Display Visualization
- ▼ Energy Analysis
- ▼ Financial Analysis
- ▼ General
- ▼ Additional Program Considerations
- ▼ Optional: Demand Response
- ▼ Optional: Advanced Analysis and Control
- ▼ Optional: Carbon Tracking

Small Group Activity 1

- ▶ Explain your section of features and functions to the group
- ▶ Note needed clarifications, questions, or suggestions

Small Group Activity 2

- ▶ Is the guidance specification useful and actionable for programs?
 - ▶ Is the guidance specification realistic and meaningful in the market?
 - ▶ Is the guidance specification technically sound?
-
- ▶ Are there existing standards, resources, or protocols that can be leveraged in the guidance specification or in development of programs supporting EIS?

Next Steps

- ▶ Committee to consider feedback and suggestions and address as necessary
- ▶ Industry Outreach
 - Industry Partners Meeting, Sept. 15-17 in Chicago

Contacts

Kim Erickson
Program Manager
617-337-9280
kerickson@cee1.org

Jason Erwin
Commercial Team Lead
617-337-9269
jerwin@cee1.org