



Power to Ontario. On Demand.

SMSIP

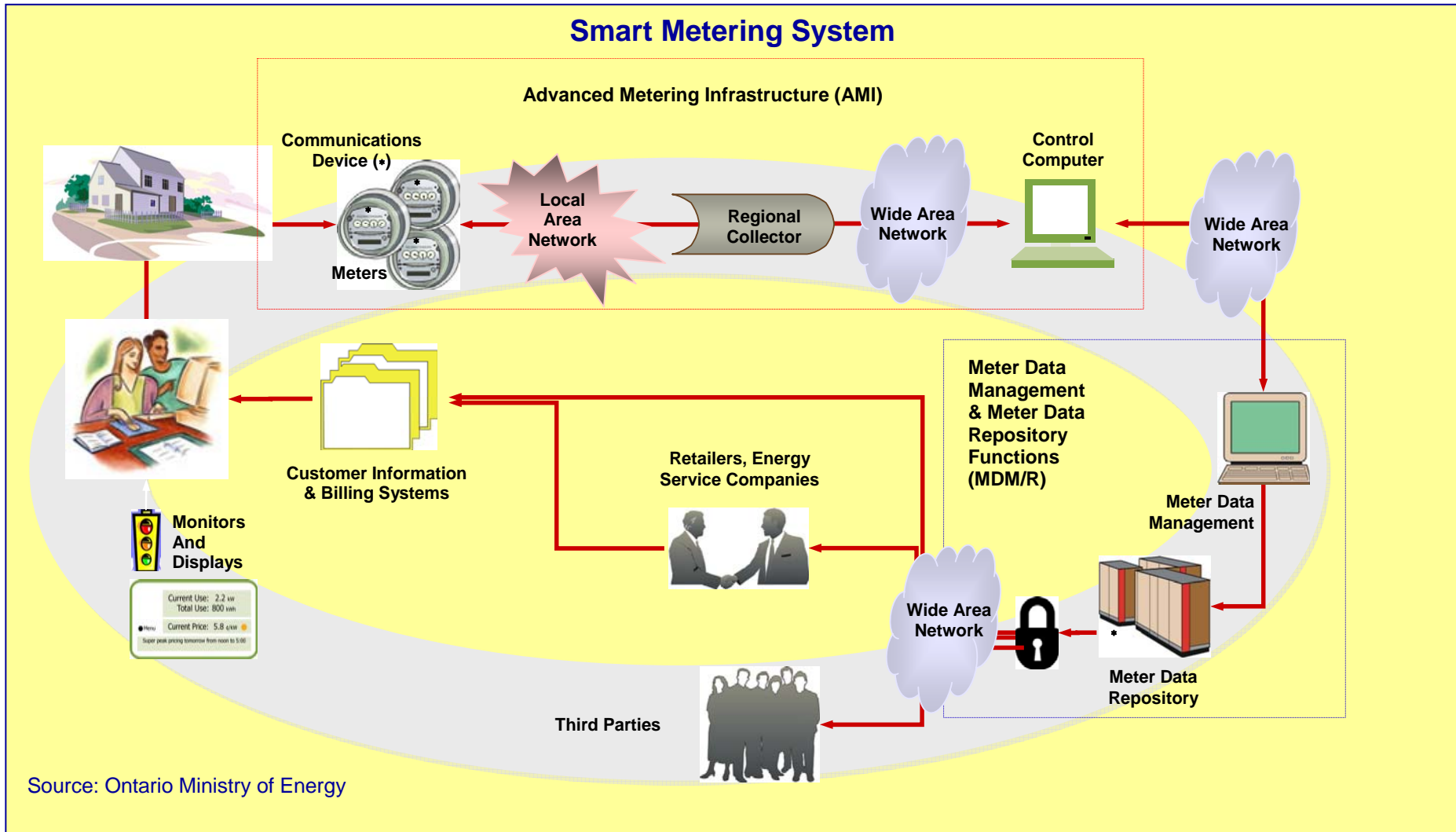
Smart Metering System
Implementation Program

Ontario Smart Metering System Implementation Program (SMSIP)

SAC Information Item

Toronto, Ontario
April 4, 2007

The Smart Metering System – Ontario Government’s Conceptual Model



Source: Ontario Ministry of Energy

SMSIP – IESO's Role

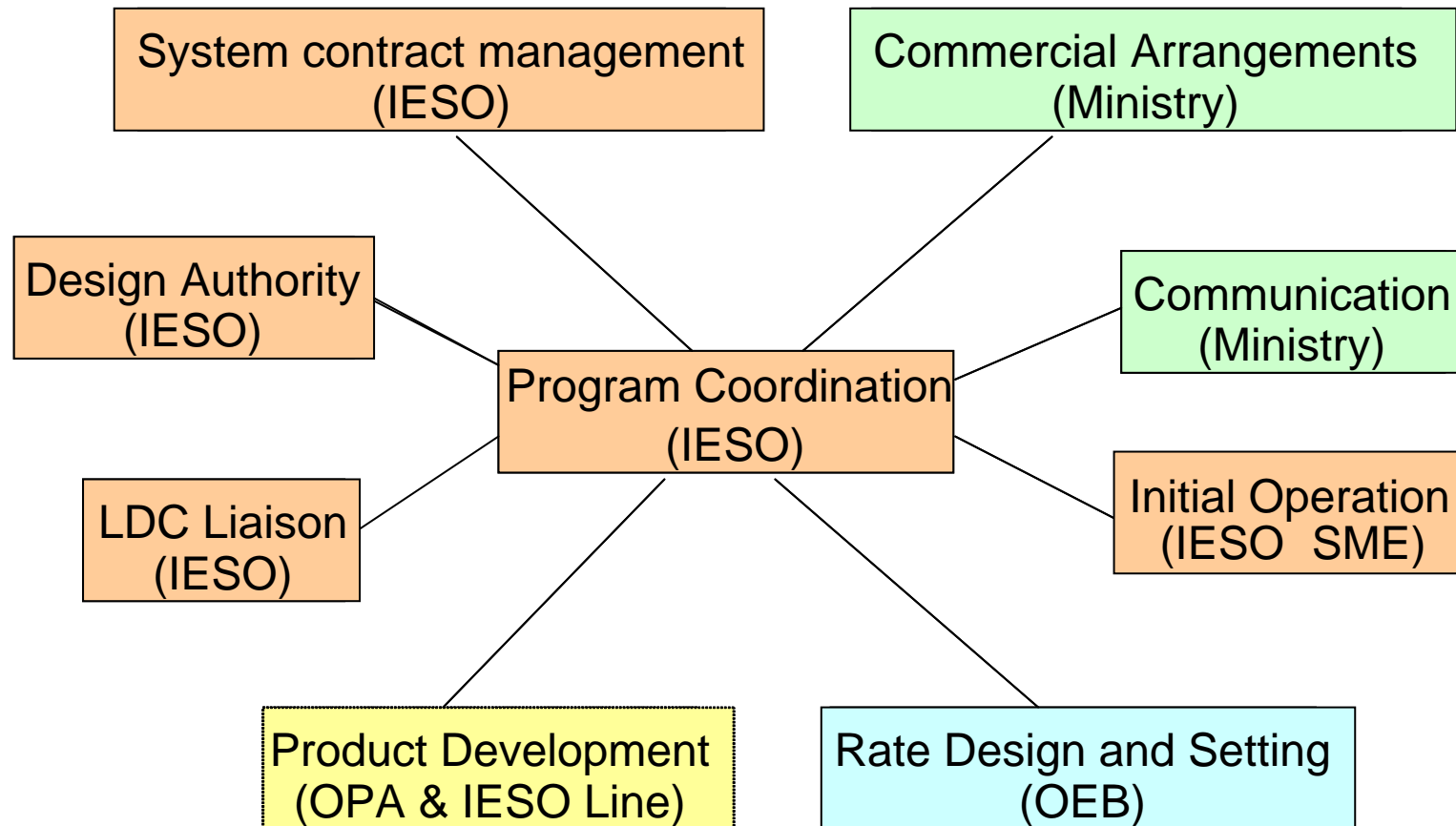
- July 26, 2006: the Ministry of Energy announced the IESO as the Smart Metering System Implementation Program Coordinator
- This role was formalized through regulations made on September 22, 2006
- The role includes:
 1. Direct responsibility for the procurement of the Meter Data Management/Repository (MDM/R) function
 2. Coordination and reporting of the various program activities between affected parties
 3. Surrogate Smart Metering Entity (SME) at go-live

SMSIP - Progress to Date

MDM/R Focus

- MDM/R Specification Documents
 - Development of RFP for turnkey MDM/R contract
 - RFP response evaluation
 - Negotiation and completion of MDM/R contract
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- MDM/R Detailed Design Document and Technical Interface Specifications
 - Draft VEE Standard for the Ontario Smart Metering System

SMSIP - Program Responsibilities



MDM/R Roadmap

MAR

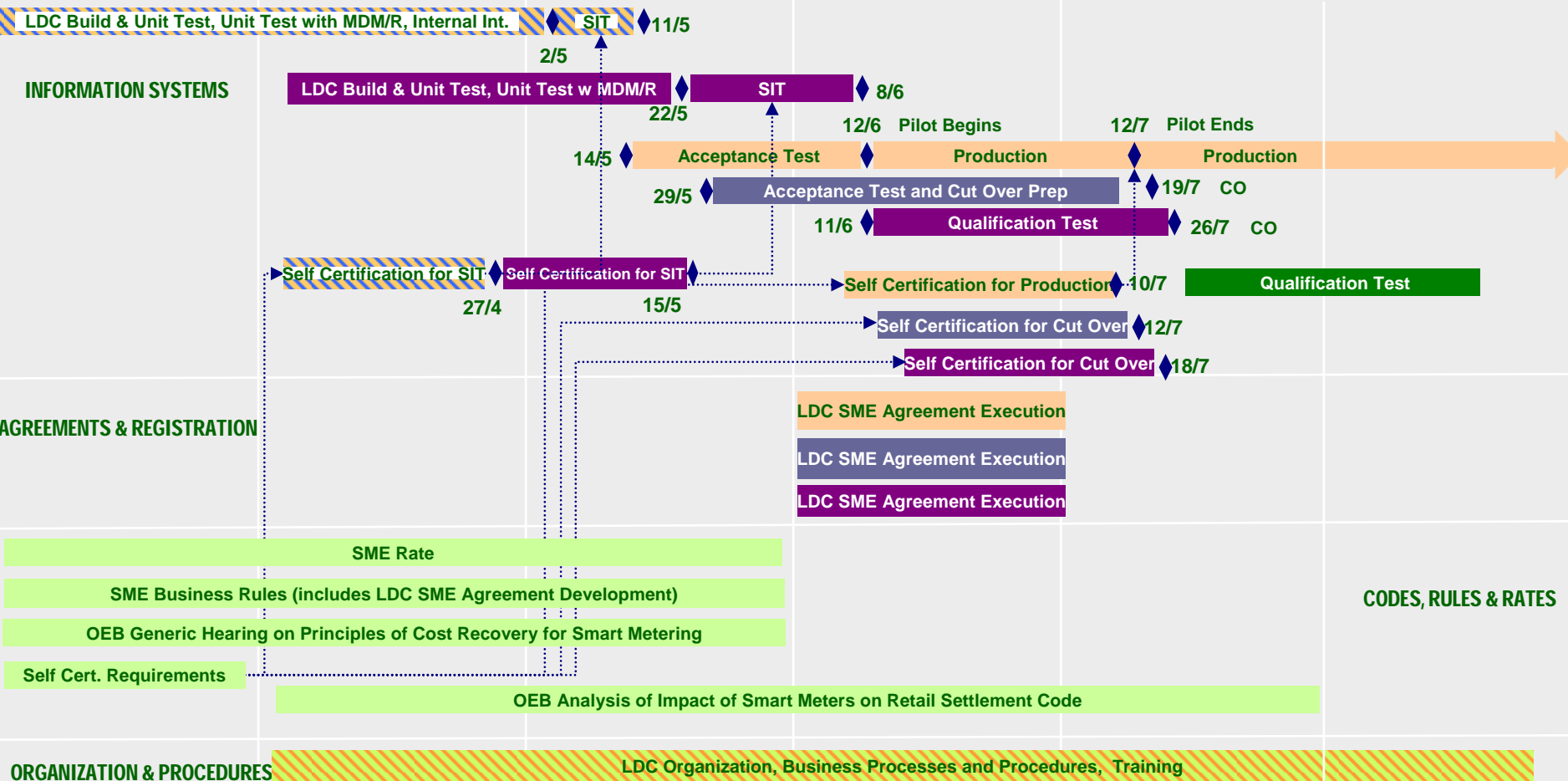
APR

MAY

JUN

JUL

AUG



Impacts on IESO

Financial

- Costs accounted separately from rest of IESO
- Full cost recovery from rate structure to be defined by MoE
- Deferral account will operate during SME tenure

Project Resources

- Team of 9
 - 3 Regular staff (2 backfilled by temps in line)
 - 1 Temporary staff
 - 5 Consultants

Operation

- Outsourced

Questions ?

MDM/R Overview

- MDM/R is a storage and data management system for Smart Meters that conform to the Ontario *Functional Specification for an Advanced Metering Infrastructure – Ontario Regulation 425/06, July 14, 2006*
- Provides Synchronization with LDC's Systems to receive and process Meter Read data
- Receives and Validates the Meter Read data from Advanced Metering Control Computers
- Provides Estimating capabilities to address invalid or missing data
- Provides Editing capabilities for use by the LDCs
- Produces Billing Quantity data
- Provides Web Services to LDCs
- Provides IVR capability

