

MRTU Program Update



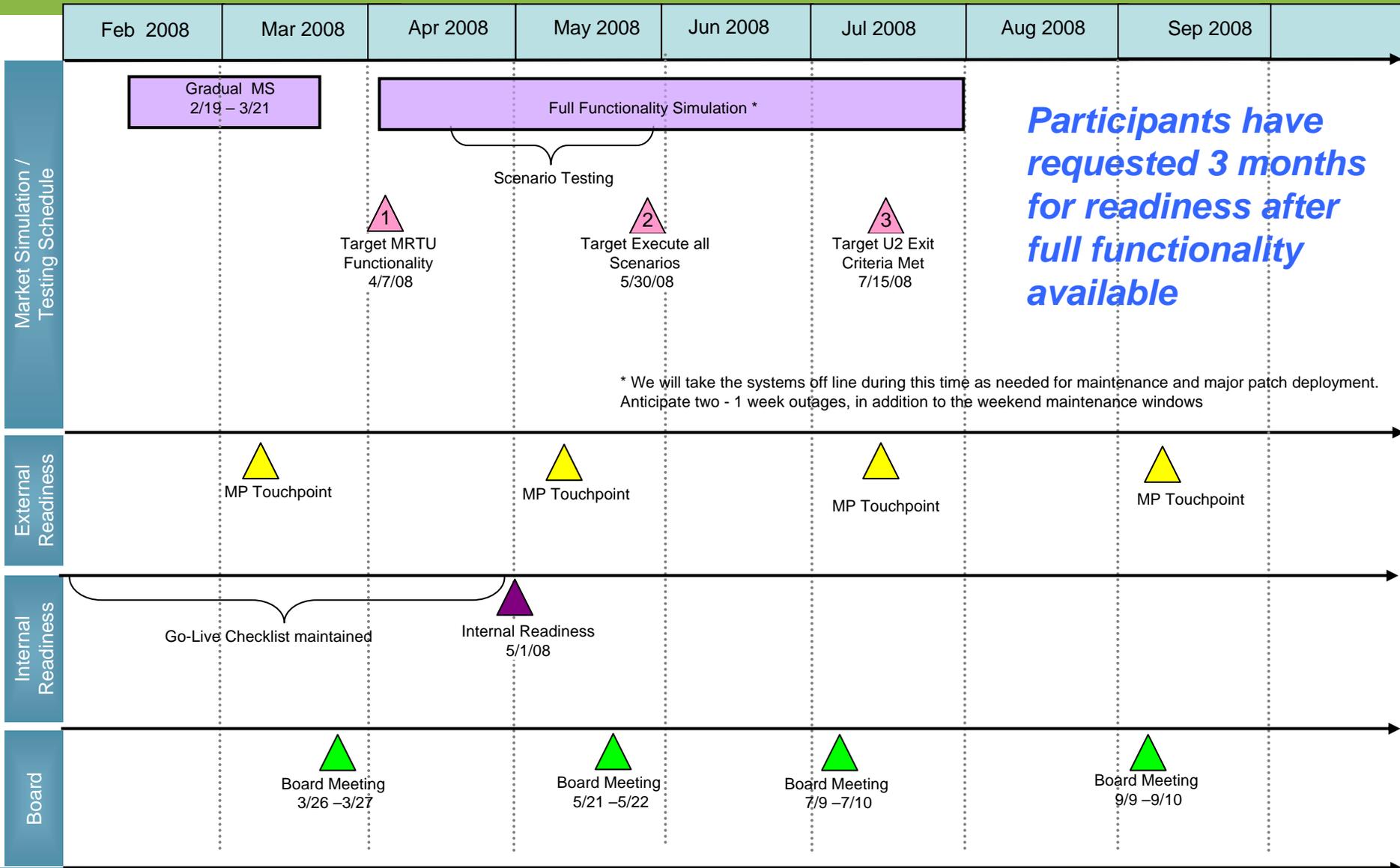
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California ISO
Your Link to Power

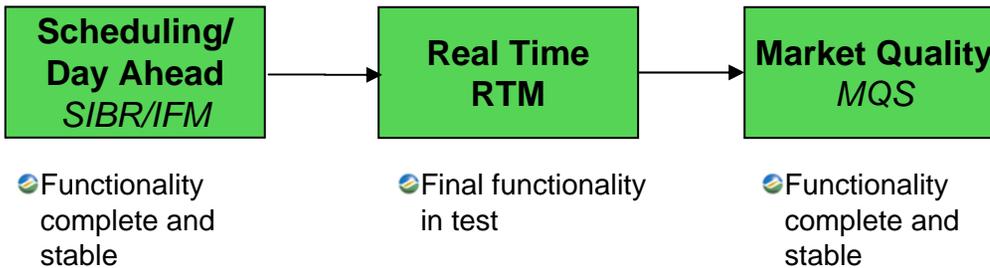
Board of Governors Meeting
General Session
March 26 - 27, 2008

CAISO is building the MRTU schedule around participant needs.



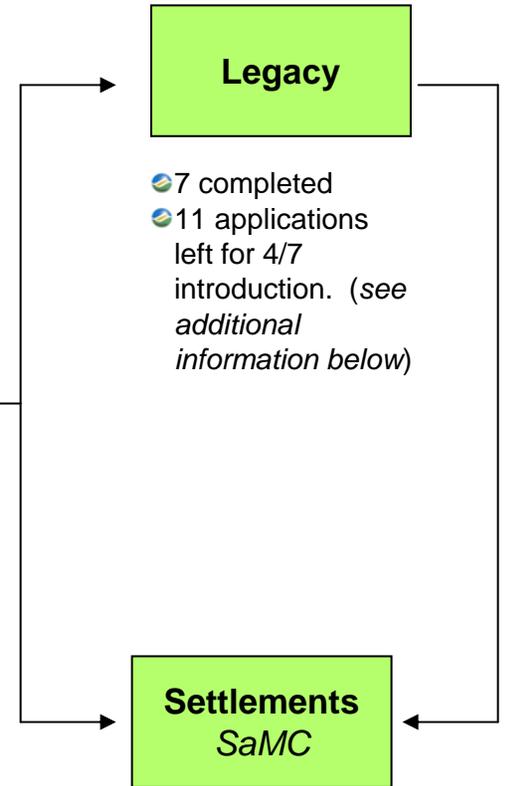
Remaining MRTU functionality is targeted to start on April 7th.

1 Target Date: April 7, 2008



Remaining Systems/Functionality to be added:

- CAPS** (Compliance Automation Project) – CAP validates market bidding behavior against tariffs.
- CAS** (Control Area Scheduler) – Enhances grid reliability by interfacing with Grid Operation systems
- COMT** (CAISO Outage Modeling Tool) – Application used for scheduling transmission outages
- ETCC** (Existing Transmission Contract Calculator) – System calculates the ATC and charges for existing transmission contract rights.
- EMS** (Energy Management System) – EMS allows for the operation of the power grid by dispatching generation, monitoring load flows, and reporting major electrical component status during Real-Time.
- MDS** (Market Definition Service) – MDS controls notifications and orchestration
- PIRP** (Participating Intermittent Resource Program) – PIRP holds wind generation / solar energy schedules.
- RAVE** (RMR Automated Validation Engine) - RAVE is used to validate and load RMR invoices into the RMR database.
- PI** (Plant Information) – PI maintains historical power system analog and status data.
- SMDM** (Supplemental Market Data Management) – Maintains supplemental data requirements for DA and RT
- VSTLP** (Very Short-Term Load Predictor) – Short term basis predicts load



Over the past 5 weeks the MRTU key trends have been:

- 🌐 Day-Ahead Market published results 31 days, 4 days by the 1 PM production timeline (and 1 day missed by 2 minutes)
- 🌐 Real-time Market published 7946 intervals (89%) of time during 8928 intervals in this stage of the simulation
- 🌐 System Availability – 100% Graphical User Interface and 93% for Automated Programmatic Interface
- 🌐 100% of the Reliability Must-Run and Intermittent Resources participated
- 🌐 100% of Generation participated
- 🌐 93% of the Load participated
- 🌐 All Participants were able to successfully connect to CMRI, OASIS, BAPI and OMAR
- 🌐 Majority reported successful connectivity to SIBR, ADS and SLIC