

Nodal/ Network Modeling Forum

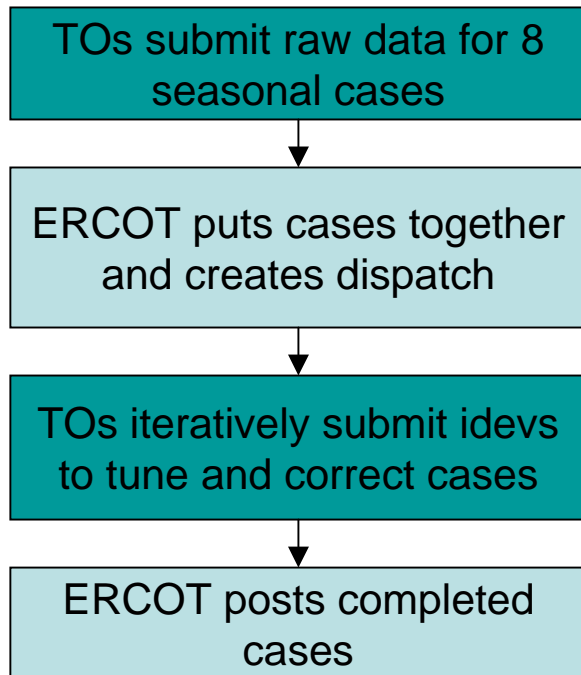
August 14, 2006

Steady State WG
In a Nodal World

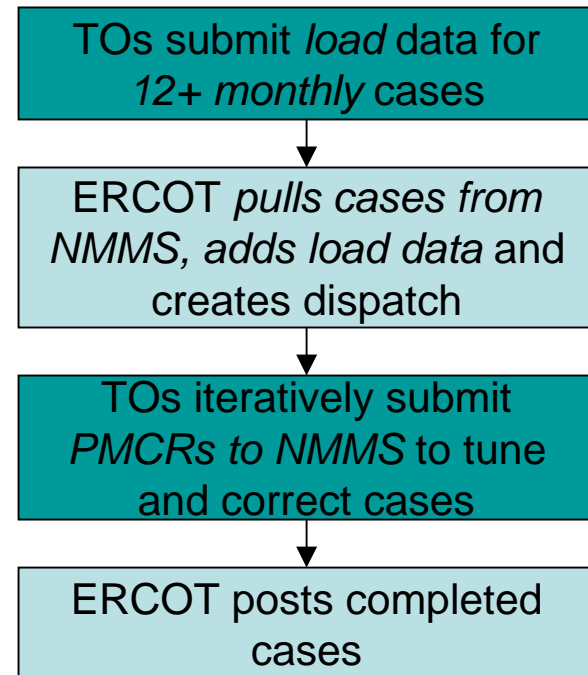


One Year Out Cases (High Level)

Today's World

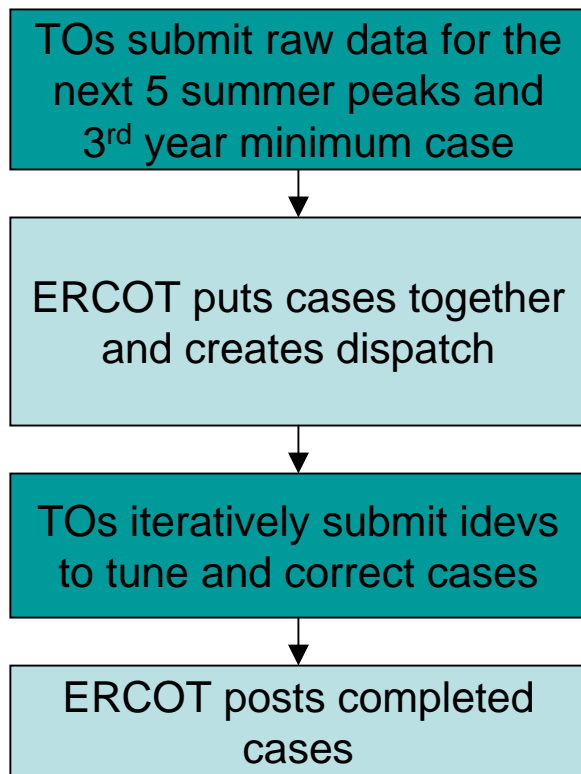


Nodal World

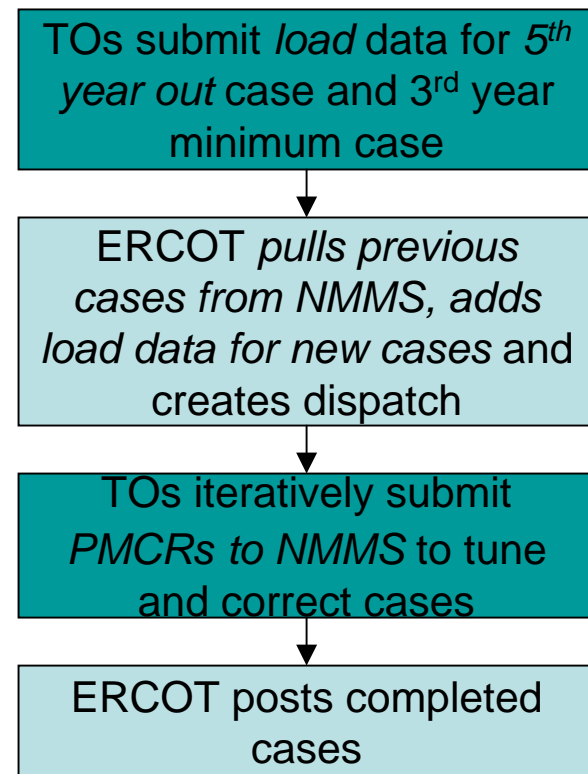


5 Year Out Cases (High Level)

Today's World

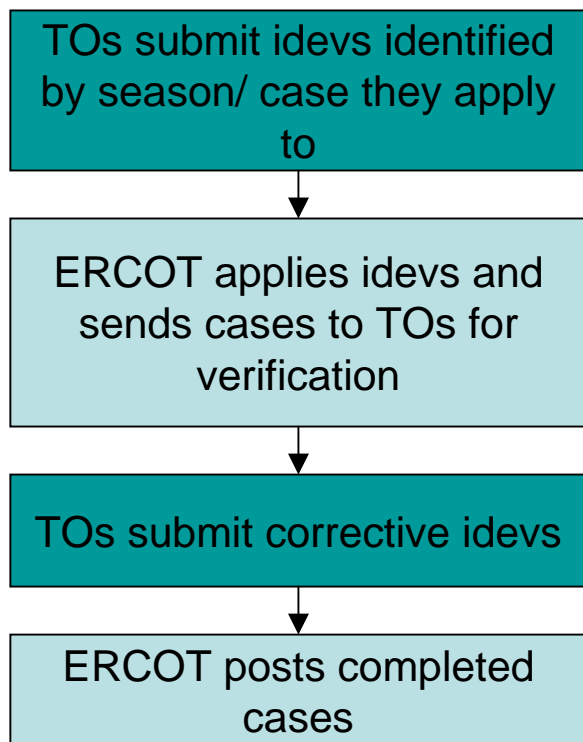


Nodal World

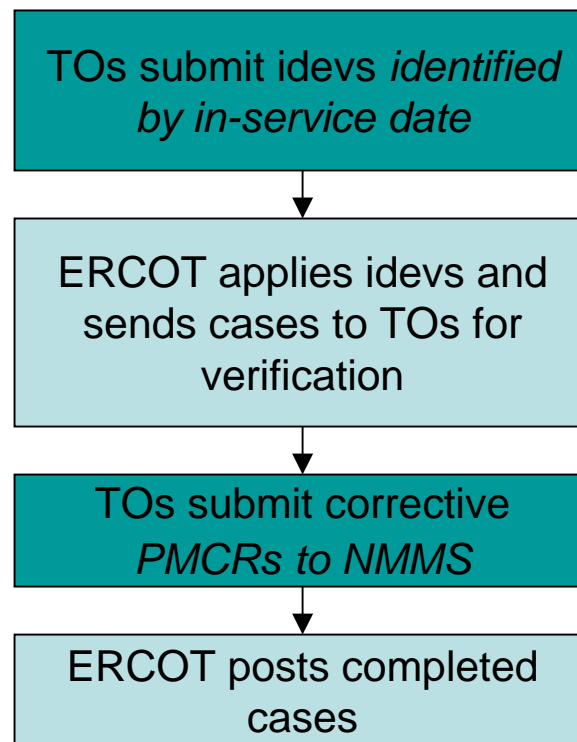


Quarterly Updates (High Level)

Today's World



Nodal World



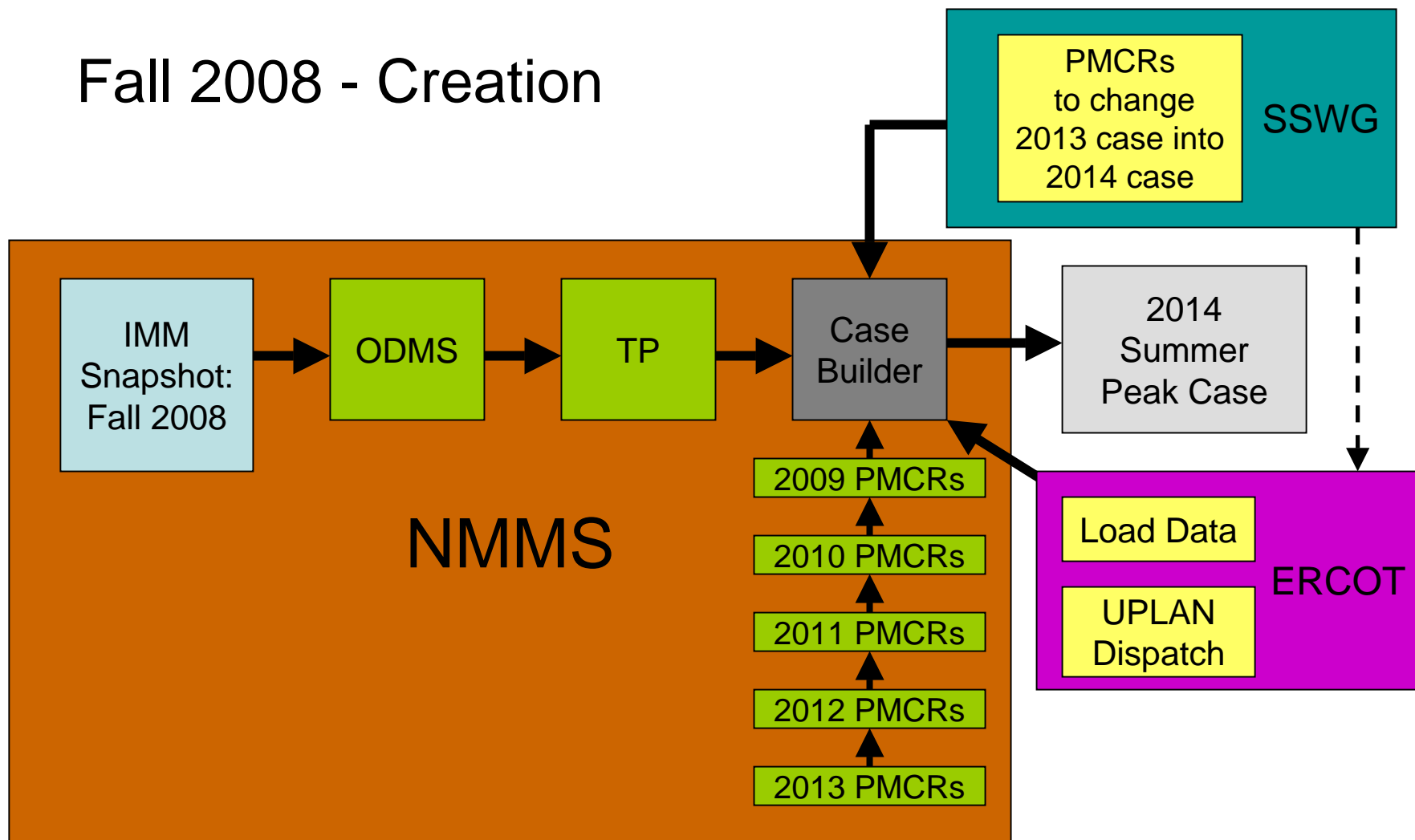
Summary of 9-Mile High Level Changes



- TOs will no longer submit raw data to begin cases
 - data will be pulled from NMMS
- 8 seasonal cases for Data Set A will turn into 12+ monthly cases for CRR Auction/ Data Set A
- TOs will submit changes (i.e. idevs) directly to NMMS rather than via email to ERCOT
 - ERCOT still will verify changes before they are posted
- Changes (*PMCRs*) will be submitted by in-service date rather than what case(s) they apply to

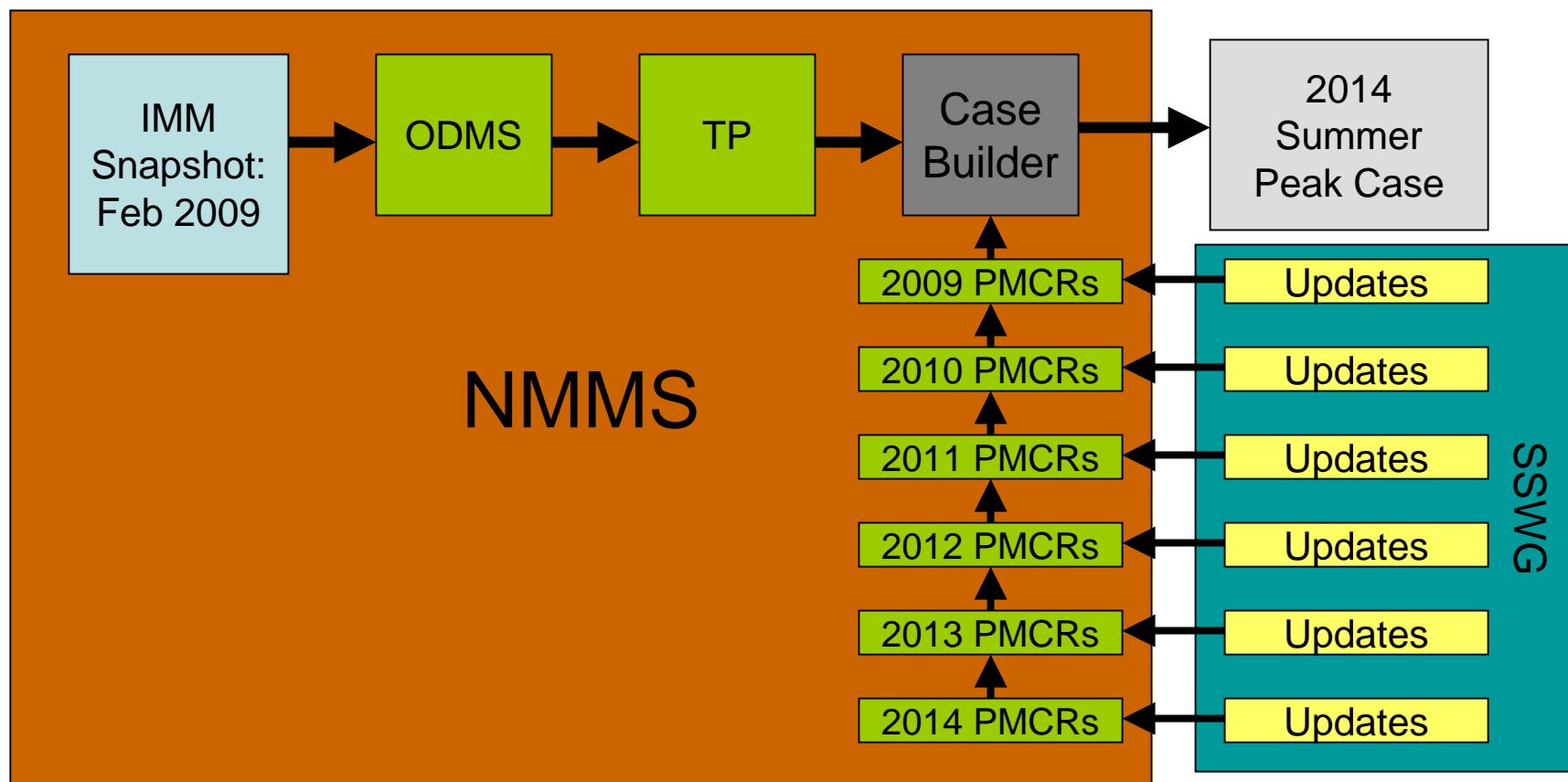
Anatomy of a case: 2014

Fall 2008 - Creation



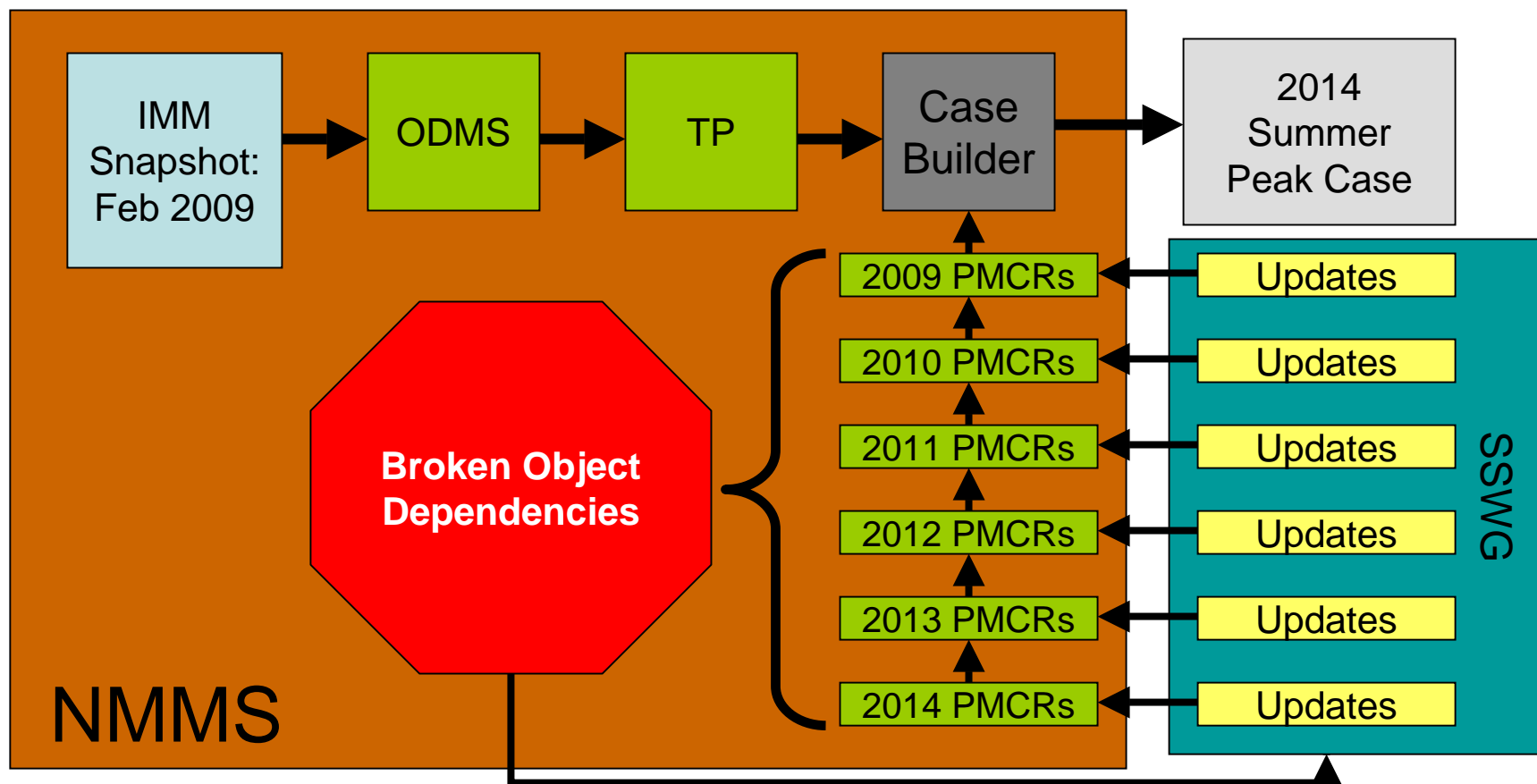
Anatomy of a case: 2014

February 2009 Quarterly Update



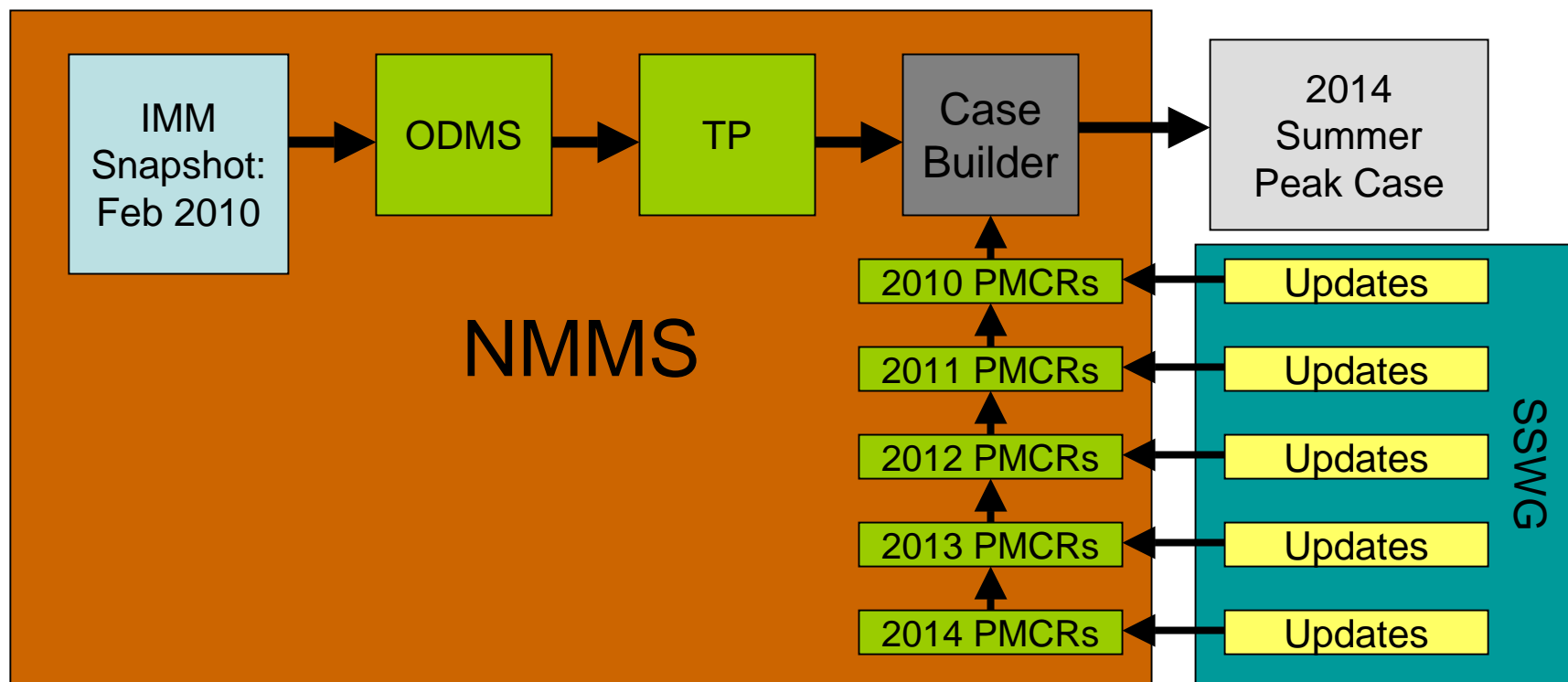
Anatomy of a case: 2014

February 2009 Quarterly Update



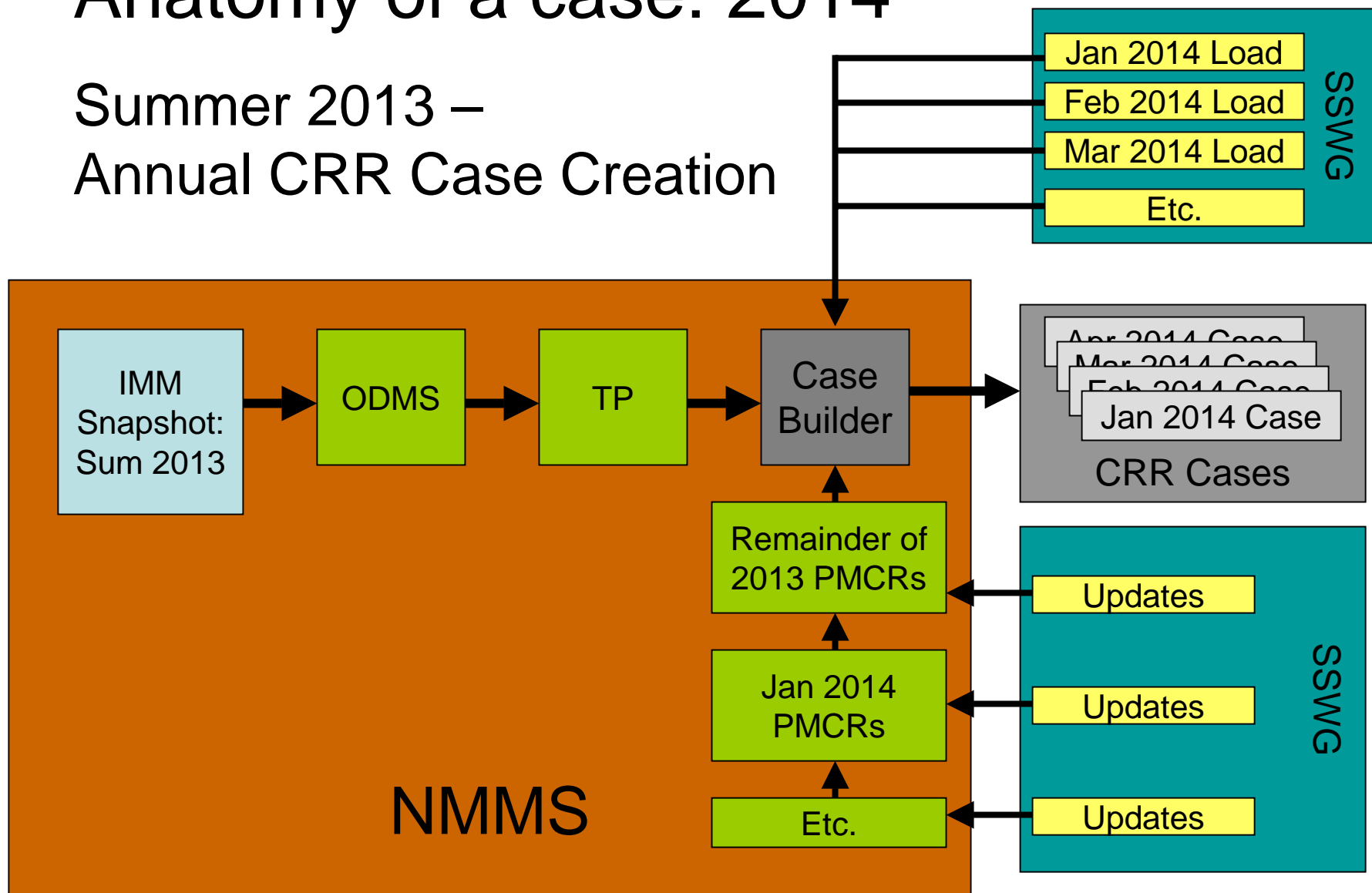
Anatomy of a case: 2014

February 2010 Quarterly Update



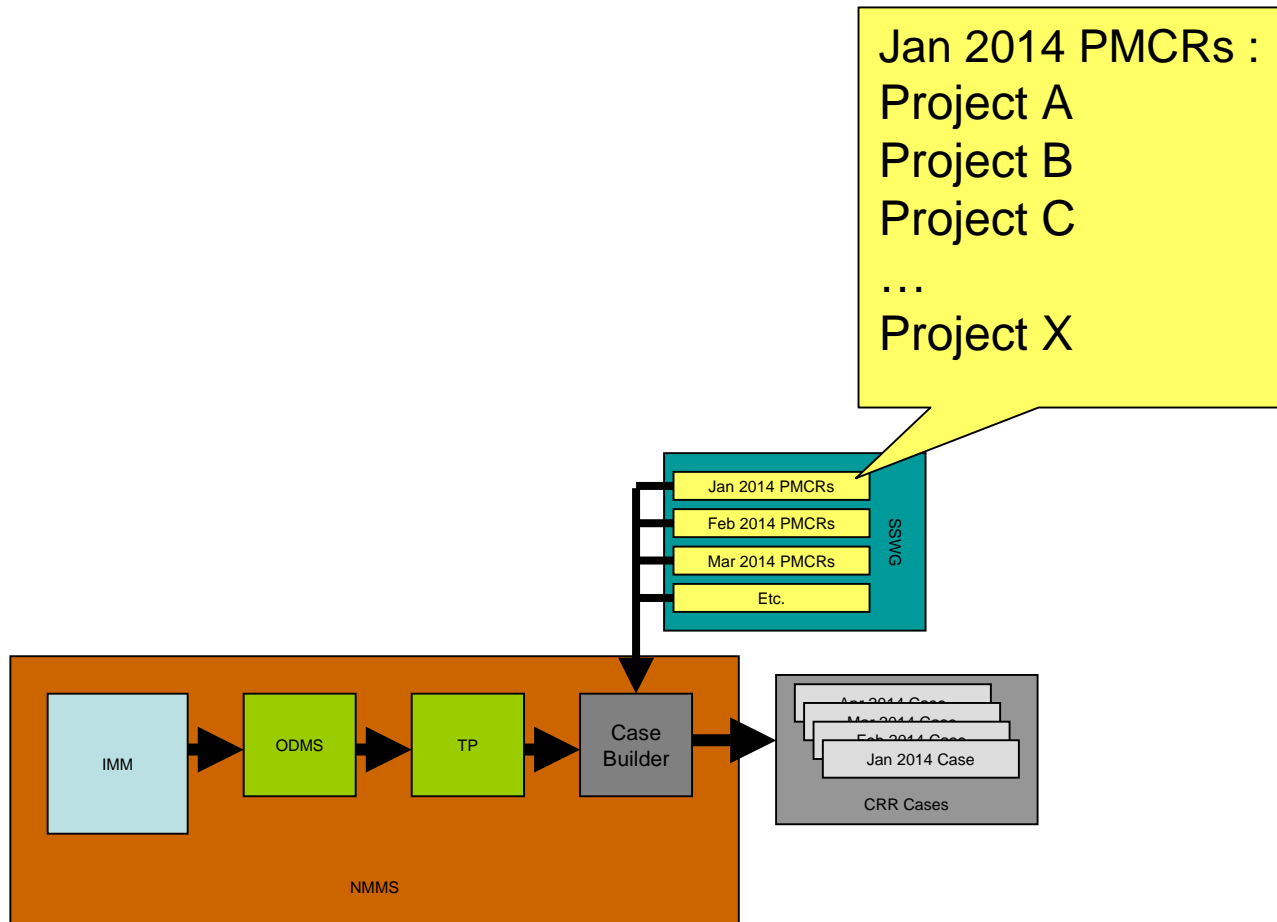
Anatomy of a case: 2014

Summer 2013 –
Annual CRR Case Creation



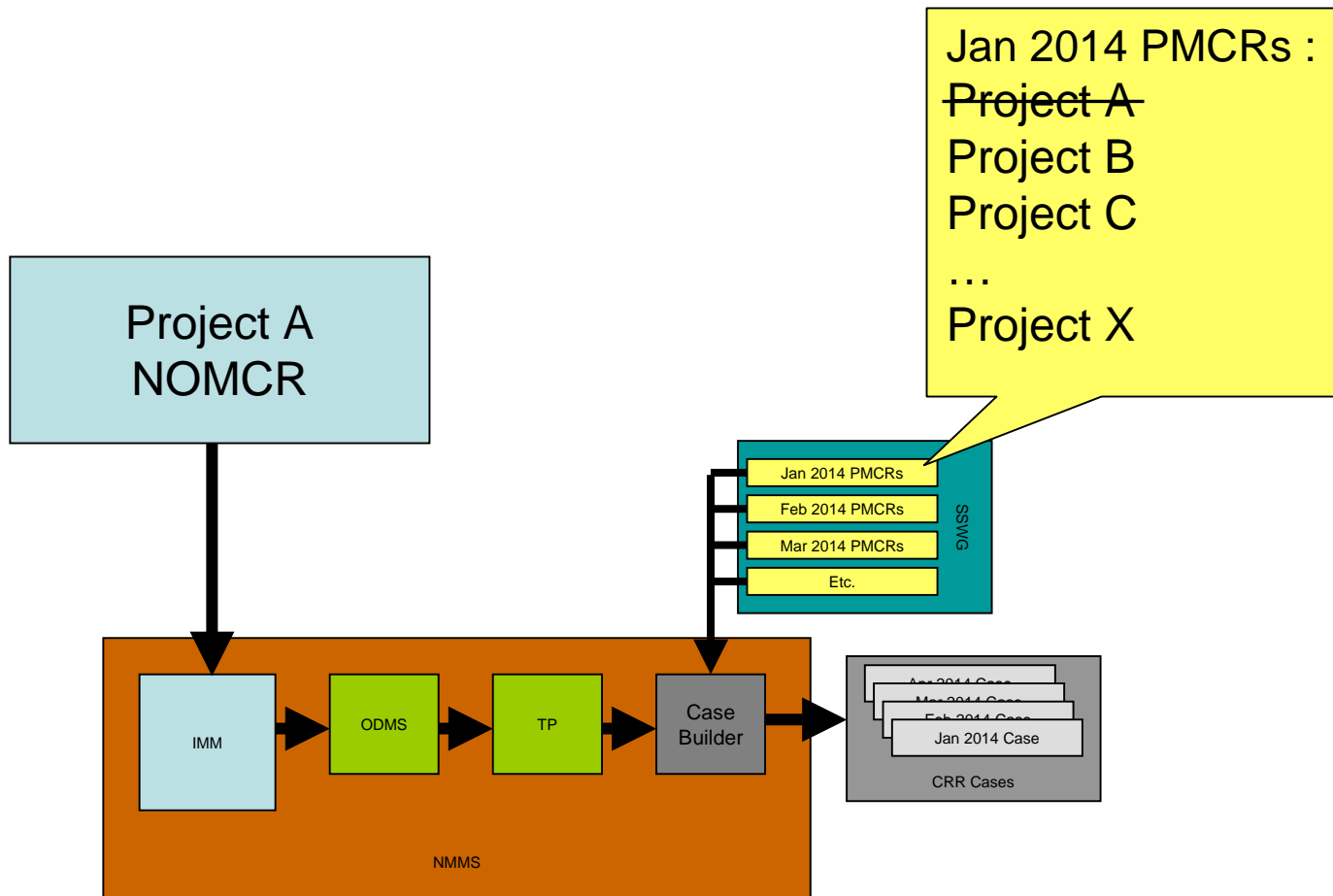
Anatomy of a case: 2014

January 2014



Anatomy of a case: 2014

January 2014 – Project A goes into service



Summary of 5-Mile High Level Changes



- TOs submit load data to ERCOT and ERCOT puts load data into NMMS
- PMCRs will be used to change data incrementally
- PMCRs will be based on an in-service date
- PMCRs will be project specific
 - Projects/ PMCRs will become service requests as they get close to going into service
- TOs will be required to manage PMCR “object dependencies”

Acronyms/ Definitions

- PMCR = Planning Model Change Request; similar to idevs currently used in planning
- NOMCR = Network Operations Model Change Request
- IMM = Information Model Manager; the master database for the operations network data
- ODMS = Operational Database Maintenance System; the master database for planning model data
- TP = Topology Processor; the engine to convert the network node model including breakers and switches to the planning bus model

Questions?

Concerns?

Comments?