



Texas Nodal Process Timeline

The time-based baseline for high-level inputs and outputs across defined time periods, including cycle time and a closer look at the market processes

August 7th 2006

OBJECTIVES:

1. Establish a common understanding of Nodal inputs and outputs from a time-based perspective.
2. Understand the end-to-end timeline of the Nodal market.
3. Provide a high-level view of the volume of Nodal interfaces.

ASSUMPTIONS:

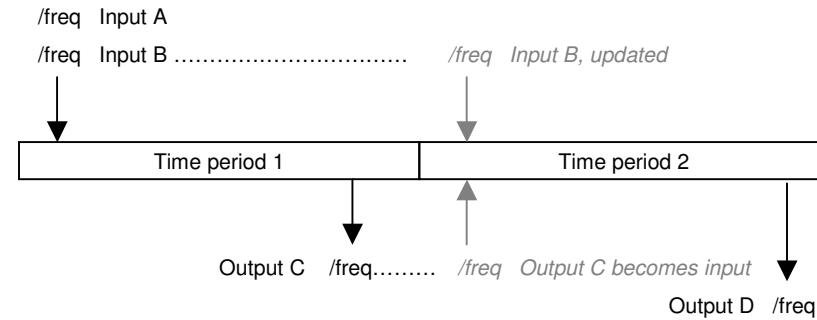
1. The **naming** of inputs/outputs follow protocols as best possible, and may be subject to change/re-categorization when the data dictionary is defined.
2. These diagrams may include **design** decisions that are not specified in Nodal protocols.
3. These diagrams may not include all the **exceptions** or alternative scenarios.
4. Processes and information from **retail** processes are not included.
5. Information specific to PUCT or protocol mandates, such as “**post to MIS**”, are not reflected in this document as of yet (TBD).
6. The **network models** are distinct but “as much as practicable, have information consistent with the Network Operations Model”, as specified in the protocols. They include the Network Operations Model (DAM and RT each have a separate version), CRR Network Model and the Annual Planning Model.
7. The **settlement point prices** (SPPs) and **aggregated base points** are calculated by MMS, not settlements.
8. Any required **reporting, extracts and analyses** are represented here under “extracts and reports (all)”, and include compliance, monitoring, generation and load, settlement and billing, system operations and market operations.
9. The **CRR auction results** are represented and updated as part of the ownership records.
10. Cycle time for **financial payments** (and **invoices** for late fees, etc.) are not reflected.
11. The “asset and entity application” includes the **resource parameters**.
12. The “Notification of Suspension of Operations” may, but does not necessarily, result in an **RMR agreement**.
13. Certain external financial inputs– such as FIP and FOP, or other financial information needed to assess the Market Participant’s ability to participate in the markets- are not represented in the baseline.

TIME PERIODS:

- “**Long term planning**” = far in advance or annual processes
- “**Before day ahead**” = months/days before the “Day Ahead”
- “**Day Ahead**” = the day before the Operating Day (today)
- “**Up to end of Adjustment Period**” = today up till end of Adjustment Period (*incl. last H-RUC*)
- “**Operating Hour**” = the current hour (“T”, in protocols)
- “**After**” = after Operating Day

LEGEND:

1. Baseline view – high level inputs and outputs for each time period, with their cycle times

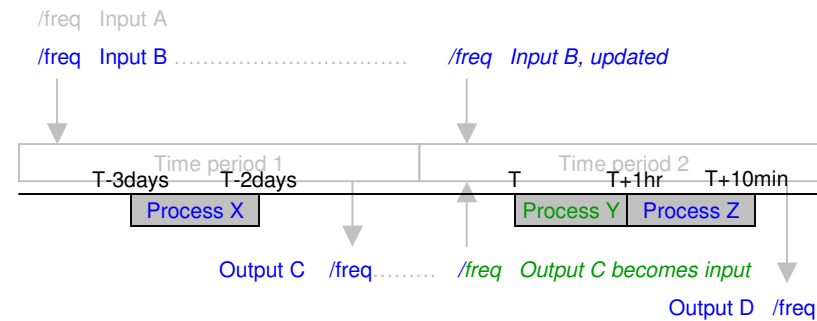


e.g. “/mon” = information is created, updated, or just used **every month**

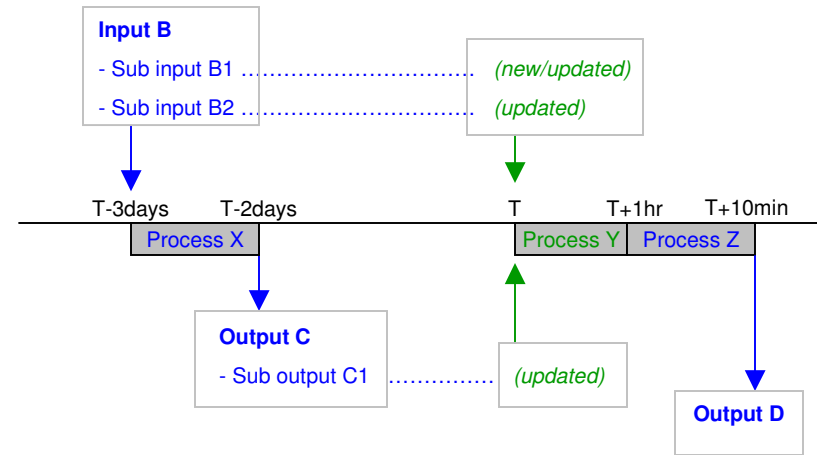
Grey Italics = generally mean that it is a previous input/output that is an **input** into another time period

Black = the **FIRST** time the information appears

2. Market timeline – the market timeline super-imposed on the baseline; key inputs/outputs highlighted



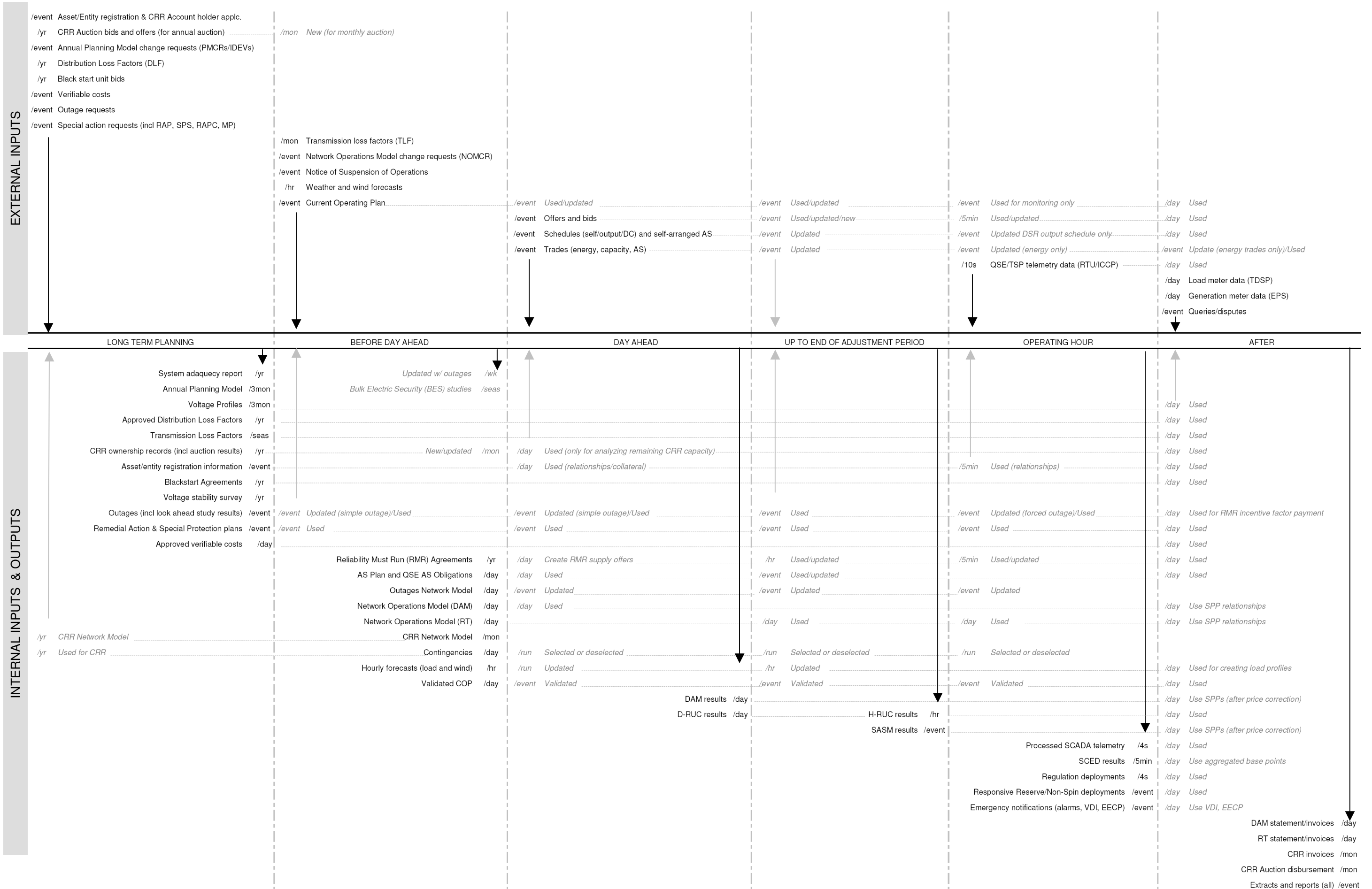
3. Market timeline (a closer look) – a drilldown of highlighted inputs and outputs from 2.



4. Market participant interface points

– cycle time of baseline information that needs to interact (including “post to MIS”) with market participants - currently available separately. (TBD)

Baseline view – all high-level inputs and outputs for each time period, including cycle-times



Market timeline – the market timeline super-imposed on the baseline; key inputs/outputs highlighted



Market timeline (a closer look) – A drill-down of some market timeline information (refer to previous slide)

