TEXAS RE
Ensuring electric reliability for Texans

TPL-001-5 Implementation Plan

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Brief summary of changes

R1	R2	R3, R4	Table 1
• Updated reference to MOD-032 standard. • Moved known outages selection to Requirement R2.	• Updated references to Remedial Action Schemes. • Steady state analysis of P0 and P1 events for known outages. • Stability analysis of P1 events for known outages. • Stability analysis for long lead equipment without a spare equipment strategy.	• Clean up. Moved analysis from Part 3.5 (Part 4.5) to Part 3.2 (Part 4.2).	• Updated Category P5 event to include single point of failure. • Created distinct events for stuck breaker and non-redundant Protection System component under Stability column, Extreme Events. • Updated Footnote 13 describing non-redundant Protection System components considered for Category P5.

General Considerations

36-month Period (July 2020 – June 2023)

- Provides time for PCs and TPs to develop, among other things:
  - A procedure or technical rationale for selecting known outages of generation and Transmission Facilities;
  - Coordination with protection engineers to obtain the necessary data to perform the single point of failure analysis required by the standard; and
  - Additional analysis required due to changes in the standard.

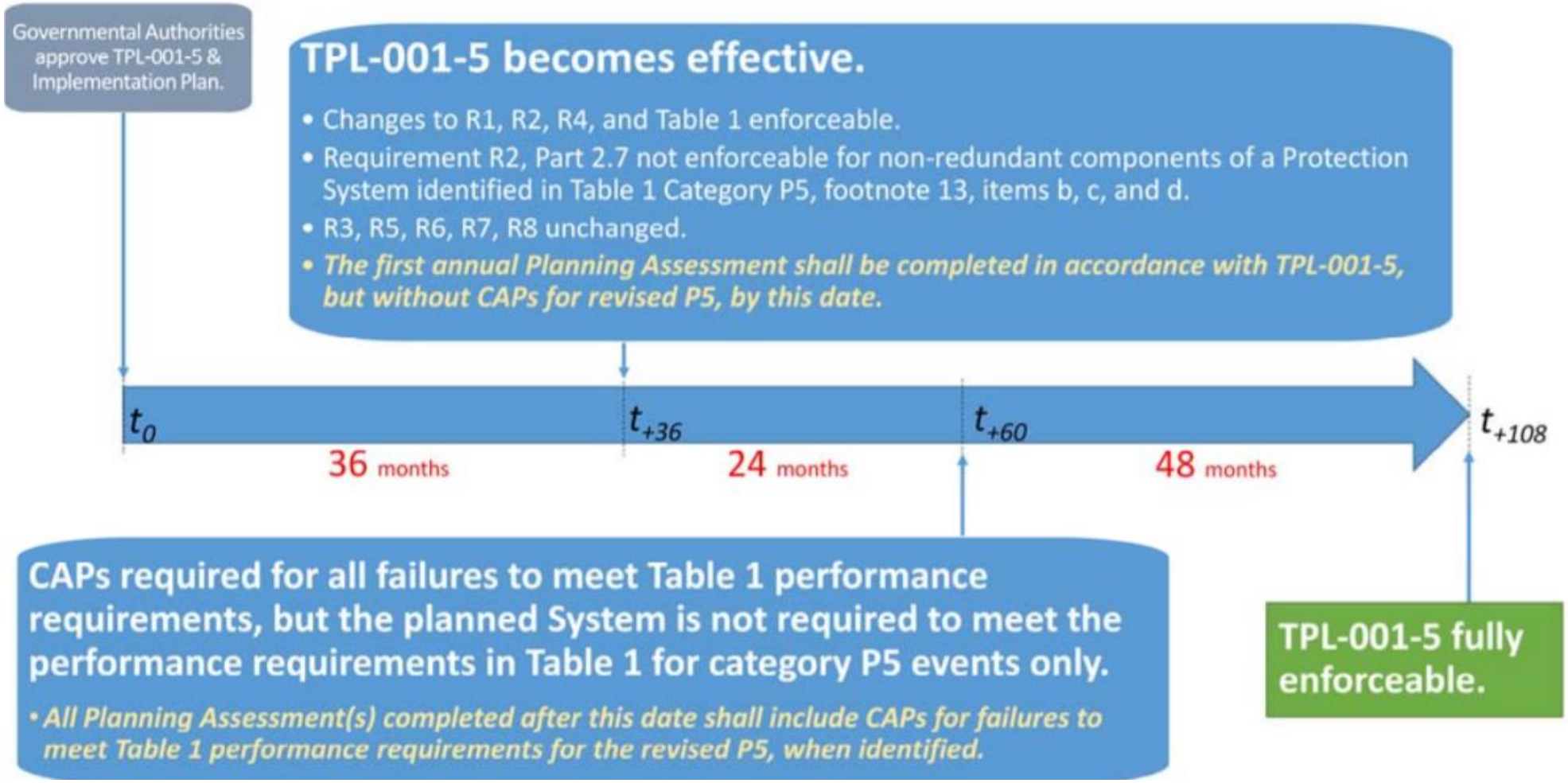
24-month Period (July 2023 – June 2025)

- Allows time for the development of CAPs under TPL-001-5 for Category P5 planning events involving single point of failure in Protection Systems.

48-month Period (July 2025 – June 2029)

- TPs and PCs shall have additional 48 months beyond the time by which CAPs must be developed to comply with R2, Part 2.7 that states: "*planned system shall continue to meet the performance requirements in Table 1*" for P5 planning events identified in Footnote 13.

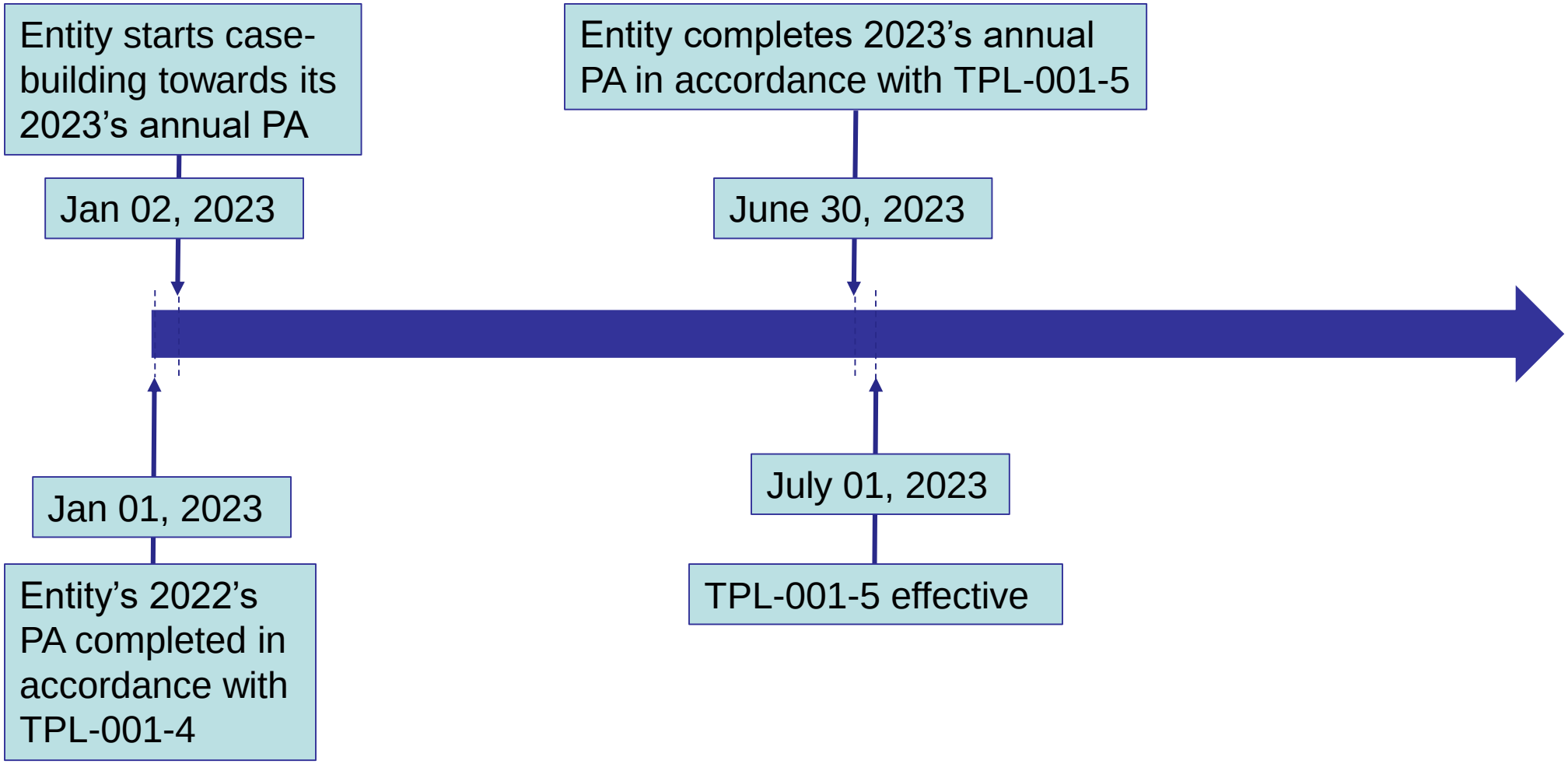
TPL-001-5 Implementation Plan



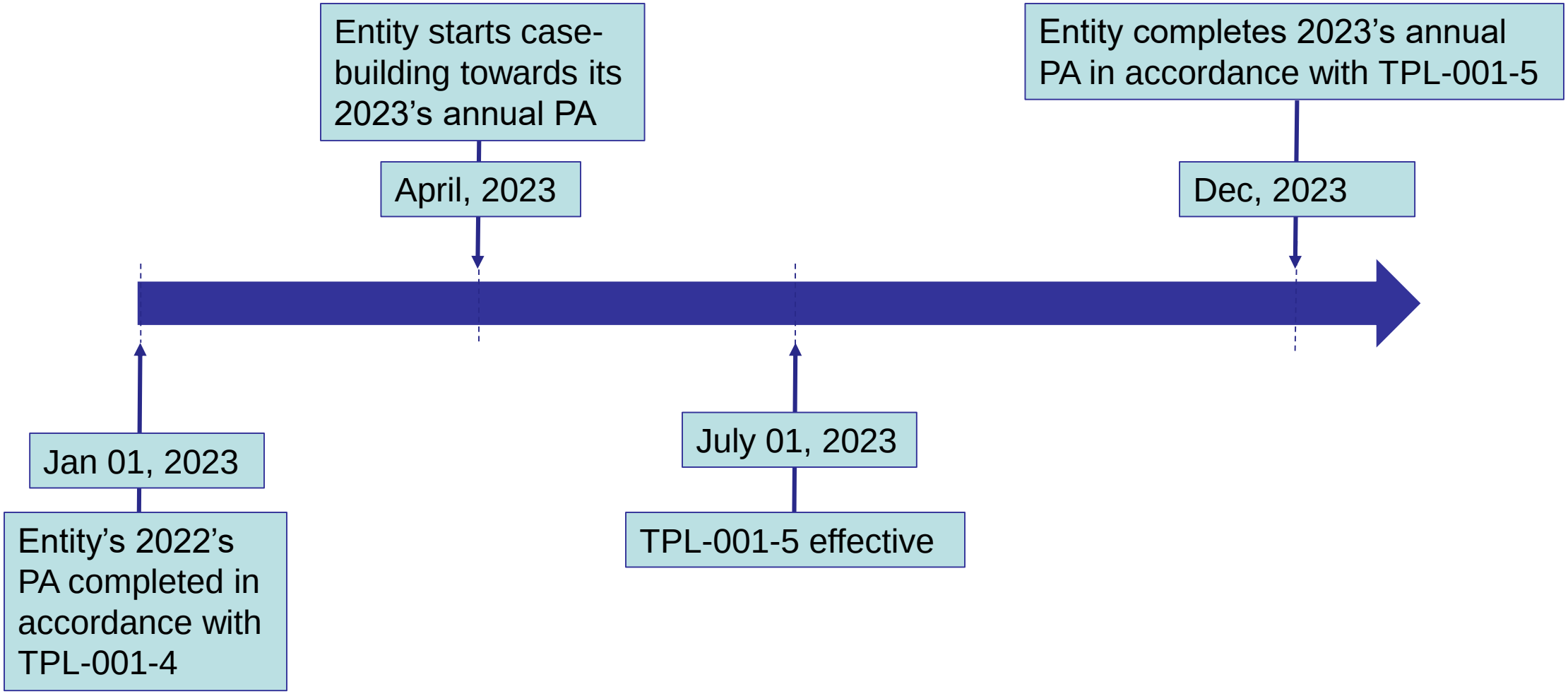
Timelines

- **On July 01, 2023**
  - TPL-001-5 becomes effective.
  - Each responsible entity shall complete the first annual Planning Assessment (PA) in accordance with TPL-001-5 (without CAP(s) for the revised P5 planning event) by the effective date of the standard.
  - All changes will be enforceable except R2, Part 2.7 for non-redundant components of Protection System identified in Table 1 Category P5, footnote 13.
- **On July 01, 2025**
  - Planning Assessments completed after July 01, 2025 shall include CAPs for failures to meet Table 1, TPL-001-5.
- **On July 01, 2029**
  - TPs and PCs shall be compliant with Requirement R2, Part 2.7 that states: "*Revisions to the Corrective Action Plan(s) are allowed in subsequent Planning Assessments* ***but the planned system shall continue to meet the performance requirements in Table 1***" for P5 planning events (Footnote 13).
  - TPL-001-5 fully enforceable.

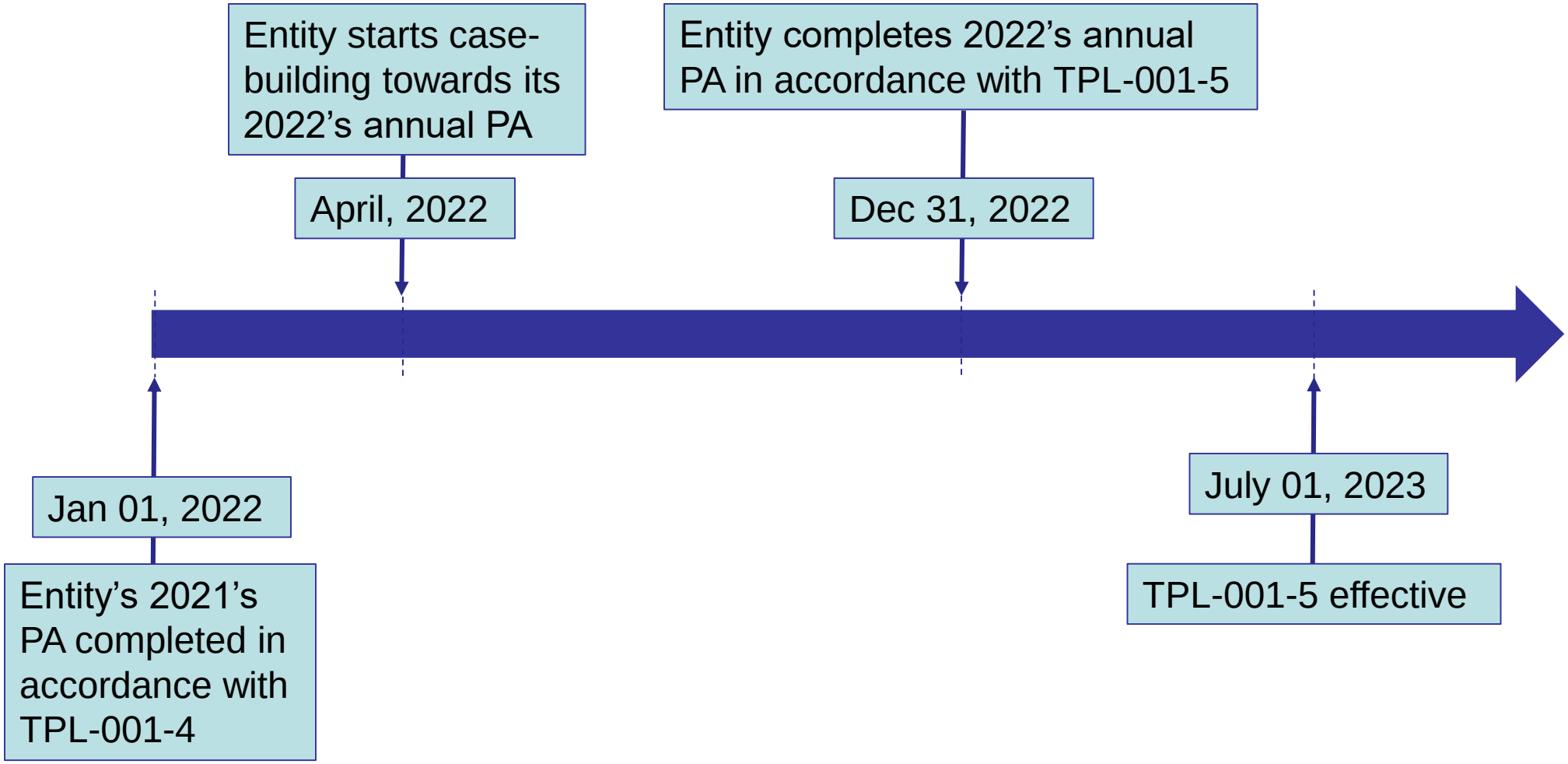
Example 1 - Compliant



Example 2 - Noncompliant



Example 3 - Compliant



Questions?