

# Significance Determination Process (SDP)

## Timeliness Review

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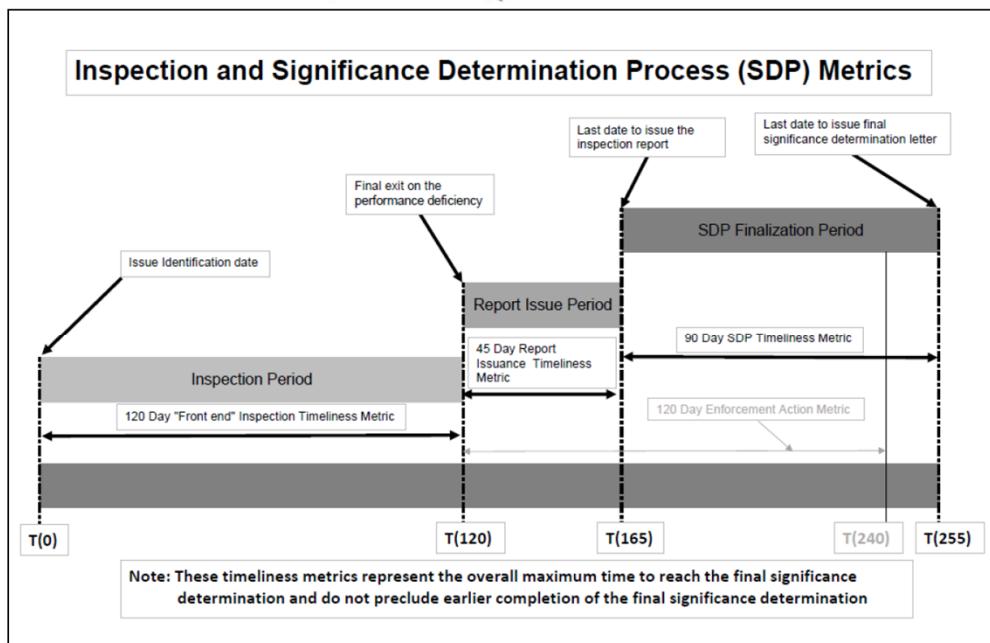
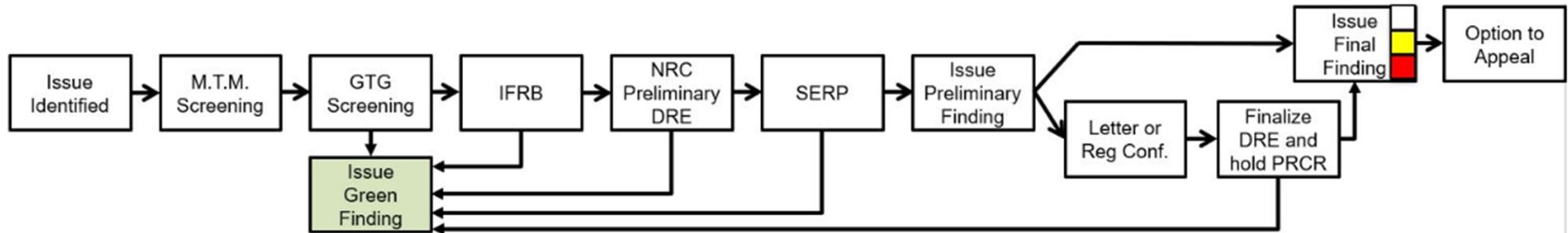
# Why are we performing this review?

- IRAB staff conducting a review of SDP timeliness to assess the past several years of missed metrics
- Goal is to identify any common themes, trends, shifts in philosophy, unintended consequences of changes, etc.
- This review falls under Element 1 of ROP Self-Assessment (see IMC 0307)
- Near term action
  - Outreach to internal and external stakeholders
- Backstop for completion of review is end of CY2022
- Output will be a publicly-available memo documenting the scope of the review and any proposed changes to the metric or the SDP (see IMC 0609)

## SDP Timeliness - Background

- Metric changed in CY2020 from separate 120-45-90 metrics to an overall 255-day metric
- Metric calculation was changed from a percentage to a discrete count
- Self-assessment metric is on CY, other metrics (e.g., Congressional Budget Justification) are on FY
- The metric was determined to be Yellow in CY2020 and CY2021
- ROP Self-Assessment results are located at the following link:  
<https://www.nrc.gov/reactors/operating/oversight/program-evaluations.html>

# SDP Process Overview



- Figure at left from IMC 0609, Attachment 5
- At present, the only reported metrics are the overall 255-day SDP and the 45-day inspection report issuance (see IMC 0307, Appendix A, section 02.01)
- The previous 120-day inspection timeliness and 90-day SDP timeliness metrics are monitored for information only.

# History of SDP metric

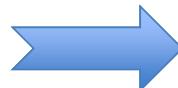
Then (2000)...

## SDP-10 SDP Timeliness

**Definition:** For each quarter, count the number of inspection findings that are either:

- 1) in the SERP process, were open for any portion of that quarter, and are more than 90 days from the exit meeting date
- 2) received by an NRR technical branch for SDP assistance, and are more than 90 days from the exit meeting date or the date received by that branch, whichever is earlier
- 3) otherwise documented in an inspection report as an unresolved item, were not counted in either of the above categories, and are more than 90 days from the exit meeting date.

**Criteria:** All SDP results that are counted per the criteria above should be finalized within 90 days of the exit meeting.



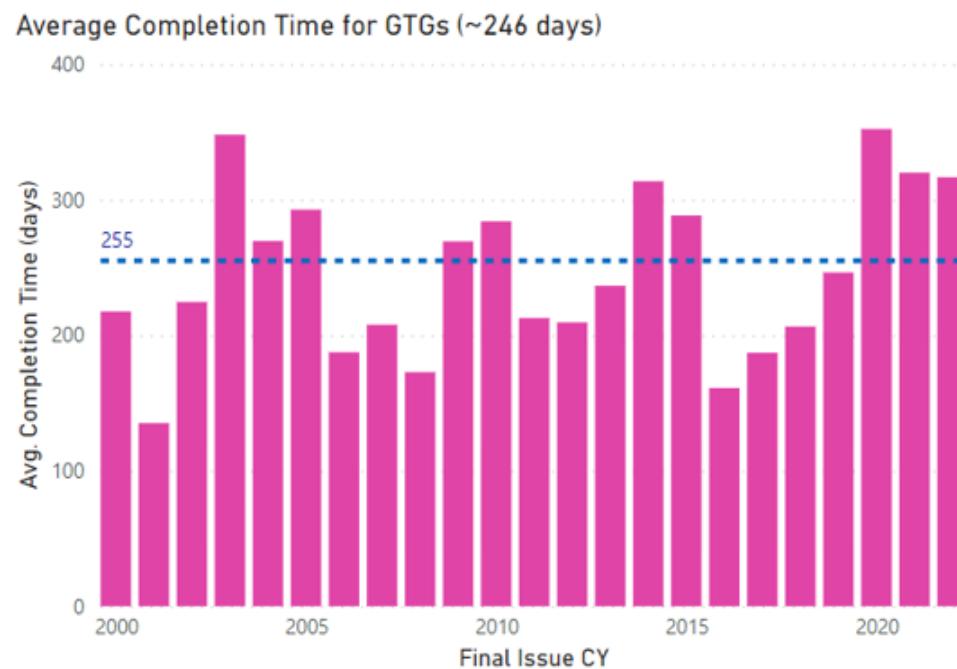
Now (2020 to present)...

## 03.03 E-3 SDP Completion Timeliness for Potentially Greater-than-Green Findings

Definition:	The time from the identification date (i.e., the date the issue of concern was brought to the licensee's attention by the NRC, the date the performance deficiency was self-revealed, or the date the licensee documented the condition resulting from the performance deficiency in the corrective action program) to the date a final significance determination is issued for all potentially greater-than-green findings is within 255 days.		
Criteria:	Green	Yellow	Red
	≤ 1 finding not finalized within 255 days	2 -3 findings not finalized within 255 days	≥ 4 findings not finalized within 255 days

- The above definition is found in IMC 0307, Appendix A
- The metric definition changed several times (iterative) since CY2000

# Average completion time since the start of ROP



\*Final GREEN findings are removed from the above figure\*  
GTG = greater-than-Green finding

# References

<https://www.nrc.gov/reading-rm/doc-collections/insp-manual/manual-chapter/index.html>

The following manual chapters referenced during this presentation are publicly-available at the above link:

- IMC 0609, Significance Determination Process
- IMC 0307, Reactor Oversight Process Self-Assessment Program
- IMC 0307, Appendix A, Reactor Oversight Process Self-Assessment Metrics and Data Trending
- IMC 0609, Attachment 5, Inspection Finding Review Board