



Schedule Deep Dive – an IBR Head Start?

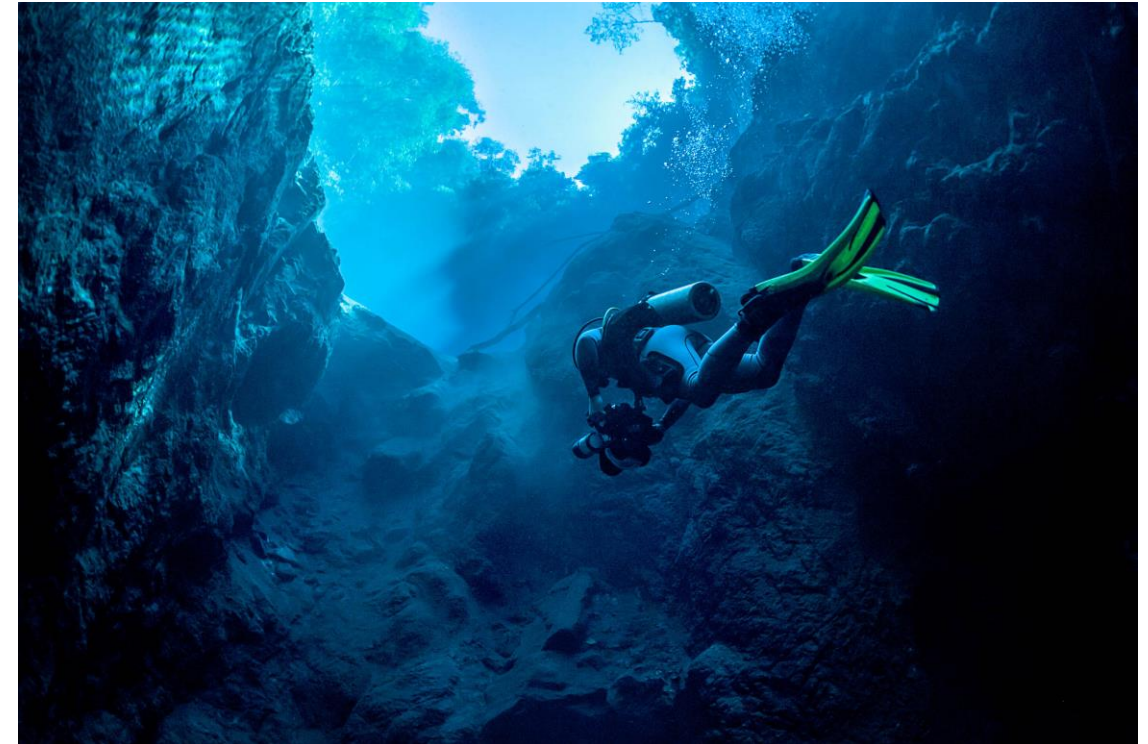
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Agenda



- ◆ Introduction / Definition
- ◆ How do I Deep Dive?
- ◆ Why Should I “Deep Dive”?
- ◆ What Can I Gain from an SDD?
- ◆ Obstacles: Before, During & After
- ◆ What do YOU think?



Introduction / Definition



- ◆ Planning Performance Domain – Schedules (2.4.2.3): “A schedule is a model for executing the project’s activities, including durations, dependencies, and other planning information.”

- PMI PMBOK 7th edition

- ◆ Deep Dive: “An exhaustive investigation, study, or analysis of a question or topic.”

- Websters Dictionary

Not an analysis of right or wrong but a validation of the schedule in order to provide leadership confidence in the schedule.

Why Should I Deep Dive Before IBRs?



- ◆ Concentrated time with the scheduling team.
- ◆ Familiarize the intricacies of the schedule.
- ◆ Check off “surface-level” issues faster.
- ◆ Targeted analysis of specific areas.



How do I Deep Dive?



- ◆ Preparation is key
 - ◆ Establish a repository
 - ◆ Obtain and review the data
 - ◆ Identify topics to discuss
 - ◆ Hold team meetings



◆ Establish a detailed agenda

Detailed Agenda Items	
1.0	Review NASA Schedule Health Check Results
2.0	Schedule to WBS Trace
	<i>Objective: Ensure all major components are captured in the schedule</i>
3.0	Baseline vs. Re-Baseline Comparison
3.1	Original Baseline vs. Re-Baseline
	<i>Objective: Understand what had shifted. Delineate where original may have been overly optimistic</i>
3.2	Re-Baseline vs. Current Forecast
	<i>Objective: Answer the following questions</i>
	1) How was re-baseline performed?
	2) What Influences were taken into Consideration?
	3) How are CLIN 2 and 3 delays driving CLINs 4 & 5?
	4) Were lessons learned from CLIN 2 taken into consideration on CLIN 5?
	5) What Learning Curve Assumptions were made and how were they applied?
	6) What cause the large date change in Harnesses Availability from last month?
4.0	Review Subsystem Components
	1) Are fabrication tasks (sequencing & duration) reasonable?
	2) What Learning Curve Assumptions were made and how were they applied to components?
	3) Purchased Parts: How are Availability dates obtained? How are they reported to other IPTs with dependencies?
	4) Identify and show any Non-Standard IMS linkages (i.e. not initial kitting). Is component availability linked to kitting? Was Engine Assembly sequence (need) considered in the linkages? If so, why?
	5) Component Availability: When an IPT slips component Availability date, are they made aware of that component's Need date and is the Slack to Need date known?
	6) Component Availability: How much can a component slip before impacting Engine Assembly, or Non-standard IMS linking is required?
	7) Can the CAM demonstrate schedule driving paths, continuing slippages, and known issues potentially impacting component Availability
	8) Performance on Material Items: How is material performance (BCWP) taken? Is it all Discrete? What causes disconnect between Actuals and Performance on Material items?
5.0	Engine Assembly and Testing Tasks
	1) Are durations and linkages in schedule consistent?
	2) Is testing linked to Engine Assembly Completion or other Constraints?
	3) Are all Engines Testing sequence linked (Remove Engine / Install Engine)?
6.0	Verify LOE tasks not tied to Product Delivery (Off Critical path)
7.0	CLIN 2 & 3 (6-Engine) Testing link and Current Status Reflected/Updated monthly

Example

What Can I Gain from a SDD?



- ◆ Exposes issues that might need further exploration during an IBR
- ◆ Early insight to the schedule management process
- ◆ Increase leadership confidence and validation of the IMS

Beware of Sharks



Before:

- ◆ Pushback

During:

- ◆ Whirlpools & Rabbit Holes

After:

- ◆ Secure your treasure



A large school of fish swimming in deep blue water. The fish are silvery and appear to be moving in a coordinated pattern. The lighting is dramatic, with a bright blue glow at the top of the frame, suggesting sunlight filtering through the water, and the background is dark blue/black.

What do YOU think?