Primavera™ P6 for STO

Advanced Primavera™ P6 Training for Shutdown, Turnaround and Outage Planners, Schedulers, and Cost Controllers

Primavera™ P6 for STO is an interactive 3-day workshop instructed by EJ (Ted) Lister. Learn to maximize the power of Primavera™ P6 to help pilot and navigate your STO events with resource leveling DSM (Dynamic Scheduling Methodology), DEM (Dynamic Execution Management) and EVPM (Earned Value Performance Management.

HOUSTON, TX, USA
MAY 14-16, 2024

TED LISTER

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About this Unique Workshop

Safely navigating the planning and execution of STO Events (Shutdowns, Turnarounds, and Outages), even with competent people, the latest technology, and the best methodologies, can be challenging. The goal is to safely deliver your event on time and on budget while completing the planned scope that allows you to make your run and keep your stakeholders happy.

But here is the thing: it is not so much about time and budget as it is about safety, quality, and efficiency (direct resource utilization and indirect resource benefits). Because if we get these three KPIs right (without compromising scope), time and cost will take care of themselves. In other words, time and cost are an outcome of how well we execute the scope of work: safely, with quality, and efficiency, resulting in the shortest duration, lowest cost event!

The Challenge: Execute complex, risky, expensive, and ever-changing STO events to achieve zero incidents, zero rework, and high tool-time efficiency requires a substantial amount of strategic planning, detailed work package planning, and dynamic scheduling to produce the most optimized plan: Lowest Cost, Shortest Duration, Fewest Resources without compromising scope.

Our 3-day workshop combines theory, group discussion, and dynamic exercises in a simulated environment using live P6 examples - unlocking the power of navigating and piloting your STO Event using DSM (Dynamic Scheduling Methodology) and DEM (Dynamic Execution Management).

DSM/DEM with Primavera™ P6 for STO

P6 Dynamic Scheduling Methodology and Dynamic Execution Management combine strategic planning during the investment phase of a STO event with tactical coordination during the Execution or burn phase to increase tool-time, reduce resources, enhance mobile and rental equipment utilization, optimize float, and ultimately control cost and schedule performance-this is known as piloting and navigating an event based on dynamic, everchanging conditions, with the fewest resources, and at the lowest risk/cost.

This workshop will ensure the entire Project Controls Team (Strategic Planners, Cost Analysts, Schedulers, Execution Coordinators)-operating out of a common war room can efficiently pilot and navigate their STO events without compromising safety or quality to achieve the lowest cost, shortest duration event ever!

KPI Dashboards for EVM (Earned Value Management)

This workshop includes valuable lessons on creating KPI dashboards with Earned Value Management to ensure the STO Team can effectively pilot, and efficiently navigate a STO event, taking corrective action to optimize direct resource utilization, minimize indirect overhead costs (high earn, low burn), and control longest path jobs.

Day 1: Planning and Estimating

The theme for this session is Planning and Estimating, where the student will learn the rules of creating a plan and estimating its resource requirements.

The student will learn to use the Field Planning Form prior to creating a layout in Primavera™ P6 and entering the plan within a specific Work Breakdown Structure bucket.

At the end of Day 1, the student will have a STO Event in Primavera™ P6 with several Worklist/Work Order Plans assigned to their appropriate WBS bucket, ready for the next session (Day 2) to begin Programming and Scheduling.

8:30 am - 9:00 am	Welcome and Course Objectives
9:00 am - 10:00 am	Lesson 1 - Create a STO Event
10:00 am - 10:15 am	Coffee Break
10:15 am - 10:30 am	Presentation - AMS (Asset Management Systemization)
10:30 am - 11:00 am	Lesson 2 - AMS using P6 WBS
11:00 am - 12:00 pm	Lesson 3 - Establish AMS and Phase Calendars
12:00 pm - 1:00 pm	Lunch
1:00 pm - 1:30 pm	Lesson 4 - Creating Activity Codes
1:30 pm - 2:00 pm	Lesson 5 - Creating Layouts
2:00 pm—2:45	Lesson 6 - Managing Data
2:45 pm - 3:00 pm	Coffee Break
3:00 pm - 4:00 pm	Lesson 7 - Resources, Productivity and Costs

The Primavera™ P6 for STO workshop covers theory, strategy, and actual hands-on practice in an interactive environment that drives engagement and learning. You leave with the ability to immediately put your learning into practice.

Day 2: Programming and Scheduling

The theme for this session is Programming and Scheduling, where the student learns the difference between them, and learns to create programming codes and assign them, both manually and globally. The student learns the various methods of scheduling; how when to apply them for the best outcome. The highlight of this session will be Dynamic Schedule Management (DSM) for driving, not monitoring their STO event.

At the end of Day 2, the student will have a STO Event in Primavera™ P6 that represents a Plan, in preparation for the next session of Execution Management and Control.

8:30 am - 9:00 am	Presentation - Programming vs. Scheduling
9:00 am - 10:00 am	Lesson 8 - Scheduling Level I to Level III
10:00 am - 10:15 am	Coffee Break
10:15 am - 10:30 am	Lesson 8 cont'd - Scheduling Level I to Level III
10:30 am - 12:00 pm	Lesson 9 - Scheduling Level IV and Level V
12:00 pm - 1:00 pm	Lunch
1:00 pm - 2:00 pm	Lesson 9 cont'd - Scheduling Level IV and Level V
2:00 pm - 2:45 pm	Lesson 10 - Resource Leveling
2:45 pm - 3:00 pm	Coffee Break
3:00 pm - 4:00 pm	Lesson 11 - Saving a Baseline

Day 3: Execution Management and Control

The theme for this session is Execution Management and Control, where the student learns how to create reports for distribution (Daily Shift Reports) and analysis (Key Performance Reports) using Primavera™ P6 Report Writer with Filters and Batch Printing. The student creates a new Layout for Updating while establishing the methodology for obtaining accurate and timely Field Updates. The student learns to update and using DSM (Dynamic Schedule Management) learns to produce a new Daily Shift Report (Plan) to accommodate the Field Execution Coordinators based on resource and asset availability.

At the end of this session, the student will have a complete understanding of Planning, Estimating, Programming, Scheduling, Updating, and Reporting to ensure an effective and efficient STO event with the combined effort of Planners, Schedulers, and Field Execution Coordinators.

Time	Activity	
8:30 am - 9:00 am	Presentation - Execution Management and Control	
9:00 am - 10:00 am	Lesson 12 - Creating Reports & Dashboards	P6
10:00 am - 10:15 am	Coffee Break	
10:15 am - 10:30 am	Lesson 12 cont'd - Creating Reports & Dashboards	P6
10:30 am - 12:00 pm	Lesson 13 - Updating Activities	P6
12:00 pm - 1:00 pm	Lunch	
1:00 pm - 2:00 pm	Presentation - Earned Value Performance Management	
2:00 pm - 2:45 pm	Lesson 14 - Earned-value Performance Management	P6
2:45 pm - 3:00 pm	Coffee Break	
3:00 pm - 4:00 pm	Review, and Wrap-Up	

Registration

Who Should Attend? Planners, Schedulers, Cost Controllers, and Execution Coordinators. The workshop is limited to 24 attendees; please book early to ensure your seat.

Workshop Notes:

- Previous experience using Primavera™ P6 is required for this advanced workshop.
- Participants can work in groups of 2 or 4 and are required to bring a laptop to use during the workshop.
- Lesson files will be sent to registrants prior to this event to use during the workshop.
- A free trial version of Primavera™ P6 will be offered to those who require it.

Registration: The registration fee for the course is $1,595. A 10% discount is available for Sustaining Members of iAPSCC. Group Rates and private corporate courses are available by request.   **Register Here!**

Venue

San Jacinto Community College, Generation Park Campus, 13455 Lockwood Rd., Houston, TX 77044

Refund Policy

Cancel any time prior to April 15, 2024, to receive a full refund. Transfers are permissible.

Course Developer & Instructor: EJ (Ted) Lister

Ted Lister is an internationally recognized innovative leader, keynote speaker, and trainer on Asset and Maintenance Management, Shutdown and Turnaround Management, Operational Readiness, and Commissioning across various industry sectors. He is the author and co-author of several books, best-practice industry guidelines, training courses, materials, and tools.

Early in his career, Ted developed a dynamic scheduling methodology using Primavera™ P6 and MS Project® to pilot and navigate the everchanging execution environment of Shutdowns, Turnarounds, Outages, and EPC (Engineering, Procurement, Construction) Commissioning. Ted is a Red Seal Instrumentation/Electrician, Certified Chemical Technologist, and a seasoned STO practitioner, consultant, and coach.

For more than 30 years, Ted has been circling the globe and experiencing firsthand the challenges faced by asset owners from energy, mining, and heavy industry to effectively establish scope, build a budget, efficiently execute work without compromising safety or quality. He has learned what it takes to enhance STO event execution performance. From crash-and-burn lessons learned to innovative best practice methodologies and tools, you will benefit from his deep knowledge and experience during this unique event.

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