



Circular No.: SCA/684/0318/WX  
SCAL Academy Course

SCAL & Singapore Polytechnic Course on  
**Applying Primavera Project Planner Requirements  
for LTA Roads & Rails Projects**

Jointly organised by



&

Singapore Contractors Association Ltd



**INTRODUCTION**

All large scale Land Transport Authority (LTA) road or rail projects would require Contractors to submit a programme to demonstrate their ability to meet all key dates during pre and post tender award. The programmes shall be developed by computerised Critical Path Method (CPM) using at least version 6.0 of Primavera P6 Professional Project Management from Oracle. Failure to submit the programme during the pre-award period could result in a tender bid being rejected or retention of progress claims during post-award period.

**OBJECTIVE**

Upon completion of this Course, participants should be able to;

- ✓ Understand the complex programme requirements,
- ✓ Customise their Primavera Project Planner in accordance to LTA requirements,
- ✓ Understand the various programmes required by LTA, pre and post award,
- ✓ Understand the mechanics of various progress monitoring spreadsheets,
- ✓ Understand where to extract crucial information to build a comprehensive tender / baseline programme

**Accreditation**

**PDUs – 12 Units  
CET – 12 Hours  
(PENDING)**

**WHO SHOULD ATTEND**

Project Managers, Contract Manager, Planning Engineers with basic knowledge and practical application of Primavera software

**COURSE CONTENTS**

<p><b>Introduction</b></p> <ul style="list-style-type: none"> <li>▪ Why P6 and not MS Project</li> </ul> <p><b>Introduction to Project / Tender Documents</b></p> <ul style="list-style-type: none"> <li>▪ Books 1 to 8</li> </ul> <p><b>Introduction to General Specifications Appendix E</b></p> <ul style="list-style-type: none"> <li>▪ Different types of programmes</li> <li>▪ Programme settings</li> <li>▪ Programme plan</li> </ul> <p><b>Different register for Progress Monitoring</b></p> <ul style="list-style-type: none"> <li>▪ Design Register</li> <li>▪ Procurement / Manufacturing / Fabrication / Delivery Register</li> <li>▪ 4 Weeks Rolling Programme</li> <li>▪ Testing Register</li> <li>▪ Time Chainage Diagrams / Activity Movement Chart</li> <li>▪ Trend Charts</li> <li>▪ Physical Progress S-Curve</li> <li>▪ Cost S-Curve</li> <li>▪ Manpower Histogram / Chart</li> </ul>	<p><b>Programme Development from Pre to Post Award</b></p> <ul style="list-style-type: none"> <li>▪ Typical Project Level Cycle</li> <li>▪ Level Of Programme Detail</li> <li>▪ Tender Programme Development</li> <li>▪ Baseline Programme Development</li> <li>▪ Cost Loading Of Programme</li> </ul> <p><b>Introduction to Particular Specifications</b></p> <ul style="list-style-type: none"> <li>▪ Clause 2 – Scope of Works</li> <li>▪ Clause 7 – Coordination &amp; Interface</li> <li>▪ Clause 12 – Construction</li> <li>▪ Clause 18 – Tunnelling</li> <li>▪ Appendix B – Schedule of Key Dates</li> <li>▪ Appendix N – Schedule of Utilities to be Diverted by the Authority</li> </ul> <p><b>Strategies for Building a Comprehensive Tender / Baseline Programme</b></p> <ul style="list-style-type: none"> <li>▪ High Level Approach</li> <li>▪ Understanding &amp; Creating the Work Breakdown Structure (WBS)</li> <li>▪ Activity Description &amp; Identification</li> <li>▪ Productivity Rates &amp; Duration</li> <li>▪ Hard &amp; Soft Logic</li> </ul>	<p><b>Course Duration</b> 14 hours (4 Evening) <b>Date: 13, 14, 15 &amp; 16 Aug 2018 (4 Evening)</b> <b>Time: 6.30pm – 10.00pm</b> <b>Venue: Singapore Polytechnic</b> The School of the Built Environment (500 Dover Road, Singapore 139651)</p> <hr/> <p><b>Course Fees:</b> <b>SCAL/SLOTs - \$802.50 (inclusive of GST)</b> <b>Non-Member - \$856.00 (inclusive of GST)</b></p> <p><b>COURSE PRE-REQUISITE</b> <b>Participants are required to bring their lap-top with licensed Primavera Software installed.</b></p> <p><b>Certificate of Attendance</b> A Certificate of Attendance will be issued to participant who complete the course with 100% attendance.</p> <p><b>Accreditations: PDUs – 12 Units &amp; CET – 12 Hours (PENDING)</b></p>
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**Trainer Profile:**

Mr. Peter Chew have been extensively involved in Land Transport Authority's (LTA) road and rail projects since 2008 and has participated in numerous large scale civil projects (contract sum greater than SGD 50 million) both during pre and post award period. Previously from a consultant firm, Mr. Peter has worked with several large main contractors both local and overseas, namely: China State Construction; KTC; Taisei Corporation; GS E&C; SK E&C; Koh Brothers; and Soletanche Bachy. Mr. Peter was also the chief trainer in his previous employment and partake in the training and development of programme planning engineers. His invaluable and holistic outlook of the project life cycle and programme requirements would provide participants a well-rounded understanding of P6 requirements by the LTA.


# Registration Form

Please fill up the form, & return via fax / email / mail to:

## SCAL Academy

150 Neil Road  
Singapore 088879

 Tel : 6793 9020

 Fax : 6793 4401

 Email : [ange@scal.com.sg](mailto:ange@scal.com.sg) / [yensze@scal.com.sg](mailto:yensze@scal.com.sg)

 Attn: Ms Ange / Ms Yen Sze

### SCAL-SP Course on **Applying Primavera Project Planner Requirements for LTA Roads & Rails Projects**

**Date:** 13, 14, 15 & 16 Aug 2018

**Time:** 6.30pm -10.00pm (4 Evening)

**Venue:** Singapore Polytechnic (500 Dover Road, Singapore 139651)

Please register the following person(s) for the above course:

Name : \_\_\_\_\_ NRIC/FIN No: \_\_\_\_\_ Designation : \_\_\_\_\_

Name : \_\_\_\_\_ NRIC/FIN No: \_\_\_\_\_ Designation : \_\_\_\_\_

Name : \_\_\_\_\_ NRIC/FIN No: \_\_\_\_\_ Designation : \_\_\_\_\_

Name of Company : \_\_\_\_\_ Company Reg No (ROC No) \_\_\_\_\_

Address of Company : \_\_\_\_\_

Postal Code : \_\_\_\_\_

**Contact Person :** \_\_\_\_\_ **Tel :** \_\_\_\_\_ **Fax :** \_\_\_\_\_

**Email :** \_\_\_\_\_

Enclosed is a cheque no : \_\_\_\_\_ for S\$ \_\_\_\_\_.

(Payable to SCAL Academy Pte Ltd, 150 Neil Road, S088879) being registration fee for \_\_\_\_\_ person(s).

Fees per participant (please tick  accordingly):

SCAL Member **\$802.50** (\$750 + 7%)

Non-Member **\$856.00** (\$800 + 7%)

→ Inclusive of: Course notes, refreshments & GST.

Please note:

Registration is confirmed upon receipt of registration form, unless notified otherwise. Please note to contact us if confirmation letter is not received at least 3 working day before the course start date.

**The full course fee is payable by 3 working days before the course commencement date. Thank you.**

\*A notice of cancellation must be given at least 4 working days before commencement of the course and 50% of course fee will be charged / returned. If notice is given less than 4 working days before the first day of the course, full fees will be charged / there will be no refund.

\*A notice of replacement / postponement together with the full particulars of the new participant (for replacement) must be given to us at least 3 working days before course commencement. A charge of S\$50 (replacement) or S\$100 (postponement) will be imposed on such changes.

\_\_\_\_\_  
Name/Authorized Signature/Designation

\_\_\_\_\_  
Company Stamp (if applicable)

\_\_\_\_\_  
Date

