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# Project Scheduling and Planning for Public Infrastructure

Improving your project execution process through scope, planning and controls

30 SEPTEMBER - 2 OCTOBER 2014  
GRACE HOTEL  
SYDNEY

## EXPERT SPEAKERS:

- **Matthew Boot**, Head of Engineering – Barangaroo South, Lend Lease
- **Steve Bird**, Head of Planning and Project Controls, Laing O'Rourke
- **Peter Colquhoun**, Program Manager, Navy Fleet Headquarters & formerly ACAT 1 EVM Program Manager, DMO
- **Kym Henderson**, Project Manager, Materiel Assurance Project
- **Younus Khan**, Senior Project Planner and Scheduler, Airservices Australia
- **Anshu Gakkhar**, Senior Project Scheduler, Program Management Office, Airservices Australia
- **Ann Turner**, Project Lead, Department of Family & Community Services
- **Pedram Danesh-Mand**, National Manager – Project Controls and Risk, Aqunta and Scheduling Advisor, WestConnex Project
- **Saeed Shalbafan**, Project Planning and Controls, Aqunta & Scheduling Advisor, Northwest Rail Link (TfNSW)
- **David Biglands**, Portfolio Scheduler, Department of Defence
- **Jennifer Hocking**, Senior Scheduler, Parsons Brinckerhoff
- **Lou Vidotto**, QLD Chairman, Australian Cost Engineering Society
- **Jose de Ponte**, Special Counsel, DLA Piper
- **Joe Branigan**, Senior Research Fellow, SMART Infrastructure
- **Ben Atkin**, Director - NSW, TBH Group

Australia's only project scheduling and planning event for public infrastructure

## KEY BENEFITS OF ATTENDING

- Successfully create realistic schedules for your projects
- Identify and mitigate scheduling risks
- Allocate resources efficiently to drive project completion
- Prioritise time, money and resources to make informed decisions
- Essential tips and tools to ensure your project schedule stays on track

## PLUS 1 FULL DAY MASTERCLASS

Everything you need to know to stay on time and budget: effective planning, scheduling and cost control

Laurie Bowman, Principal, Synchrony

Media Partner



## DAY ONE: TUESDAY, 30<sup>th</sup> SEPTEMBER 2014

8:00 Registration opens

9:00 Opening remarks from the chair

Ben Atkin, Director – NSW, TBH Group

### UNDERSTANDING YOUR PROJECT SCOPE

9:10 CASE STUDY

#### Constructing Australia's largest commercial development project - Barangaroo

- Overview of key challenges facing the construction of the project
- Approach taken to managing the project planning and controls on the project
- Strategies used to establish productivity improvements during construction

Matthew Boot, Head of Engineering – Barangaroo South, Lend Lease

9:50 Understanding the impact of building work breakdown structures (WBS) in an integrated project team environment

- Engaging with key stakeholders to deliver ongoing schedule success
- Simplifying your structures project's complexity
- Assessing the importance of building and aligning work breakdown structures in a project environment

David Biglands, Portfolio Scheduler, Department of Defence

10:30 Morning Tea

11:00 PANEL DISCUSSION

#### Developing a practical project plan to ensure realistic timelines and goals

- Detailing the benefits of earned schedule and how it can be applied to the timeline of a schedule
- Ensuring appropriate contingency plans have been assessed and allocated in the tender schedule
- Planning for critical schedule risks in major projects

Panellists:

Anshu Gakkhar, Senior Project Scheduler, Program Management Office, Airservices Australia

David Biglands, Portfolio Scheduler, Department of Defence

Matthew Boot, Head of Engineering – Barangaroo South, Lend Lease

Jennifer Hocking, Senior Scheduler, Parsons Brinckerhoff

11:40 CASE STUDY

#### A collaborative approach to develop an integrated master program using P6 for a complex public transport projects

- Efficiency of collaborative program development on the Primavera server
- Standardisation and programming protocol, a key success factor to project schedule integrity
- Agile project management principles to fast track development of integrated program for a complex project

Saeed Shalbafan, Project Planning and Controls, Aquenta & Scheduling Advisor, Northwest Rail Link (TfNSW)

12:20 Luncheon

1:20 CASE STUDY

#### Gaining a practical application on how to apply Transport for NSW (TfNSW) projects using Primavera P6

- Being an Authorised Engineering Organisation (AEO) and how this applies to the scope of work
- Complying with TfNSW scheduling standards and scheduling requirements
- Working effectively with key stakeholders to deliver a successful schedule

Jennifer Hocking, Senior Scheduler, Parsons Brinckerhoff

2:00 Utilising lean construction techniques to drive productivity improvements on major projects

- Involving lean construction in your project planning
- Determining how to use the lean construction model in your overall schedule
- Diagnosing how to establish a productivity improvement programme on your projects

Steve Bird, Head of Planning and Project Controls, Laing O'Rourke

2:40 Afternoon Tea

3:10 The importance of bringing together and aligning the project schedule, the scope of work, the estimate and the project execution plan

- Understanding the execution strategy and the right level of detail for successful schedule delivery
- Targeting the right level of detail for successful schedule delivery
- Ensuring your project remains on schedule by effective change management and monitoring of the baseline schedule

Lou Vidotto, QLD Chairman, Australian Cost Engineering Society

3:50 Ensuring your project is delivered on time and within your defined constraints

- Delving into the logical paths vs critical paths
- Prioritising your hard vs soft dates
- Breaking large complex schedules into smaller manageable sub-project schedules to deliver your goals

Dr Ann Turner, Project Lead, Department of Family and Community Services

4:30 End of conference day one

## DAY TWO: WEDNESDAY, 1<sup>st</sup> OCTOBER 2014

8:00 Registration opens

9:00 Opening remarks from the Chair

Ben Atkin, Director – NSW, TBH Group

### EARNED VALUE MANAGEMENT

9:10 An overview of earned value management: presenting the underlying principles of managing projects with performance management and earned value management

- Looking into EVM research that has occurred over the past 12 years
- Outlining significant developments and extension to the method that have occurred
- Sharing opportunities for advancing project governance, controls and management which can be applied today
- Summary of resources available to assist in applying these extensions and advances to practice

Kym Henderson, Project Manager, Materiel Assurance Project

9:50 Extending earned value management (EVM) and scheduling best practice metrics for more confident predictions of future project performance

- Traditional EVM – The foundation for meaningful project performance metrics
- Traditional EVM – brief overview of cost and schedule performance analysis
- Extending traditional EVM to deliver early warning of future performance problems
  - > Earned Schedule – Time based schedule metrics and schedule prediction
  - > Schedule Adherence – Concept and P factor measure
  - > Identification of tasks subject to "impediments and constraints" or at risk of rework
  - > Examples of extended EVM applications
  - > Public domain resources available to assist implementation

Peter Colquhoun, Program Manager, Navy Fleet Headquarters & formerly ACAT 1 EVM Program Manager, DMO

**10:30 Morning Tea****SCHEDULING RISKS****11:00 Gaining increased certainty through implementation of effective integrated project control approaches**

- Assessing the impacts of an integrated project controls platform on reliability of your project progress reports
- Selecting the most appropriate platform for project performance measuring and progress reporting requirements
- Planning the implementation strategies needed to capture, validate, consolidate and assess the project data during execution phase
- Sharing lessons learned and success stories to ensure continuous improvements

**Pedram Danesh-Mand**, *National Manager – Project Controls and Risk, Aquenta and Scheduling Advisor, WestConnex Project*

**11:40 Understanding the value of manual calculation of float/slack in a scheduling world**

- Uncovering a variety of activity diagrams to decide which one will best suit the needs of your project
- Exploring the back stage calculation methodology of scheduling tool
- Identifying which tasks need to be built into the critical path
- Understanding the logic behind critical path calculation

**Younus Khan**, *Senior Project Planner and Scheduler, Airservices Australia*

**12:20 Luncheon****1:20 PANEL DISCUSSION****Planning for critical schedule risks in major infrastructure projects**

- Tracking the ownership of major infrastructure projects and contract risks
- Looking at schedules as a risk management tool
- How to plan and schedule for risks

**Panellists:**

**Younus Khan**, *Senior Project Planner and Scheduler, Airservices Australia*

**Pedram Danesh-Mand**, *National Manager – Project Controls and Risk, Aquenta and Scheduling Advisor, WestConnex Project*

**Peter Colquhoun**, *Program Manager, Navy Fleet Headquarters & formerly ACAT 1 EVM Program Manager, DMO*

**2:00 Managing risk in contracts of construction and infrastructure projects**

- Outlining the types of risks associated with construction and infrastructure projects
- Improving the outcomes of public private partnerships
- Examining the types of insurance involved in public infrastructure projects
- Exploring warranties and guarantees, damages clauses, limitation periods and time bar exclusions of liability

**Jose de Ponte**, *Special Counsel, DLA Piper*

**2:40 Afternoon Tea****3:10 Creating and delivering an integrated transport infrastructure plan for South East Queensland**

- Planning for the 2018 Commonwealth Games and addressing scheduling issues
- Transport infrastructure as a vehicle for strategic urban growth
- Connecting new communities to existing public infrastructure and service

**Joe Branigan**, *Senior Research Fellow, SMART INFRASTRUCTURE*

**TIME AND COST CONTINGENCIES****3:50 Planning for your cost contingency risks that apply to your business activities**

- Incorporating strategic planning to enhance business performance and projects
- Increasing your knowledge and understanding of exposure to cost contingency risks
- Strengthening your corporate culture and financial position

**Ben Atkin**, *Director - NSW, TBH Group*

**4:30 End of conference day two, conference adjourns****POST-CONFERENCE MASTERCLASS:****DAY THREE: THURSDAY, 2<sup>nd</sup> OCTOBER 2014****Masterclass 9:00- 4:00****Everything you need to know to stay on time and budget: effective planning, scheduling and cost control**

Understanding how to effectively manage your project schedule and costs is an important requirement in reaching your project goals. Statistics show that projects fail due to poor planning and scheduling. This masterclass provides delegates with effective processes to master the planning and control of your projects. Different planning and control methods are introduced along with guidelines on which methods are the most appropriate for your projects.

This masterclass will enable you to:

**Establish an effective Project Baseline**

- Improve the validity of your estimates and budgets
- Clarify scope of work
- Organise the work – the WBS as a common language for estimators, planners, cost controllers and contract administrators
- Create a credible schedule
- Increase the level of buy in and commitment to the project plan and schedule

**Establish and maintain systematic processes for updates and forecasting**

- Establish appropriate processes for planning and control and gain commitment
- Systematic updating and forecasting – the project controls drumbeat
- Frequency of updates and record keeping
- Effective reporting and communication with project stakeholders

**Establish and maintain an effective process for change control**

- Establish appropriate processes for managing change
- Managing risk
- Aligning vendors, contractors and subcontractors
- Variations

**Case Study Results**

- Cost and schedule performance analysis
- Resource forecasting
- Managing interfaces
- Analysing and mitigating weather impacts
- Mitigation of disputes
- Discussion and lessons learned

**Laurie Bowman**, *Principal, Synchrony*

With 16 years' experience in project delivery, Laurie has expertise in project planning, project controls and risk management. Laurie has been involved in several major projects with clients including GE, BHP, Origin, Xstrata, Bechtel, Boeing and QR.

Morning / Afternoon Tea and Lunch are provided for all delegates

## ENG18 REGISTRATION FORM

REGISTRATION FEE (including GST)	EARLY BIRD DISCOUNTS			STANDARD PRICE
	Register and book before:			
	PS News Special by 18 July 2014	22 Aug 2014	12 Sep 2014	
Conference Only	\$2,308.90	\$2,528.90	\$2,638.90	\$2,858.90
Conference plus Full Day Masterclass <input checked="" type="checkbox"/>	\$3,298.90	\$3,518.90	\$3,628.90	\$3,848.90

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**1: EARLY BIRD DISCOUNT.** Register and pay by a deadline indicated above to achieve up to 20% SAVINGS on the Standard Rate. Registrations received without payment are ineligible for an Early Bird Discount and will be charged at the Standard Rate.

**2: TEAM DISCOUNT.** (i) Register 3 delegates and receive a \$1000 DISCOUNT off the Standard Price  
(ii) Register 4 delegates and receive the 5th ticket FREE off the Standard Price

All group registrations must be from the same company, at the same time and for the same event. Registrants must choose between the most advantageous discount option.

**Only one discount is available at the time a registration is made.**

## 5 EASY WAYS TO REGISTER

Phone: 61 2 9247 6000

Fax: 61 2 9247 6333

Email: registration@akolade.com.au

Online: www.akolade.com.au

**Mail:**  
Akolade Pty Ltd  
Suite 3.02, Level 3, 20 Loftus St.  
SYDNEY, NSW, 2000 Australia

DATES & VENUE  
(Please tick)

**SYDNEY**  
30<sup>th</sup> Sep - 2<sup>nd</sup> Oct 2014  
Grace Hotel  
77 York St  
**Ph:** +61 2 9272 6888

DELEGATE DETAILS (Please complete in block letters) Today's date   /   /  

Name Delegate 1

Job Title

Phone Email

Name Delegate 2

Job Title

Phone Email

Name Delegate 3

Job Title

Phone Email

Company

Postal Address PO Box/Street Address

City

State

Postcode

## EASY PAYMENT OPTIONS

ABN 96 149 066 991

**EFT:** Transfer your payments to Akolade Pty Limited at Commonwealth Bank of Australia BSB 062 099 Account No. 1068 5915. **Please quote ENG18 on the EFT.**

**CHEQUE:** Please make out cheque to Akolade Pty Limited. **Please quote ENG18 on the cheque.**

**CREDIT CARD:** Please charge my  VISA  \*DINERS  MASTERCARD  \*AMEX

\* A credit card fee of 2.5% will apply for Diners or Amex  
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