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Improving project status reporting with Enhanced Traffic Light Charts (ETLC)

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Rev 1.0.0



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Temporal perspective produces innovation


1. Improve the use of traffic light project status signals for quick overview
 1. Three aspects of the state of the project
 2. Together with Cost, Gantt and CRIP Charts
2. Add change over time to show trend
3. Comments on other uses of trends

Innovation

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Traffic Light Chart (TLC)




- Quick overview of status
 - Colour is based on
 - Blue and Green based on combination of all three columns
 - Yellow and Red based on at least one of three columns
 - Definitions of percentages and major and minor problems need to be agreed at start of project to match cost/schedule charts


Colour	Schedule	Budget	Problems
Blue	Ahead of schedule by X%	Well within budget by A%	None
Green	On schedule ($\pm 5\%$)	Within budget ($\pm M\%$)	None
Yellow	Slightly behind schedule by Y%	Slightly over budget by B%	At least 1 minor problem
Red	Well behind schedule by Z%	Well over budget by C%	At least 1 major problem

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Enhanced Traffic Light Chart (ETLC)



- TLC - Current view
 - Single snapshot in time
- ETLC - Improved view – three TLCs
 - Show past, present and future
 - Last, current, next
- Provides information currently not readily available
 - Trends
 - Forecasting
 - Risk management
 - Candidates for promotion

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Example - context

- Research Centre
- Academia
- 11 projects
- 126 slides
 - Data
 - Continuity
 - Progress
 - Humour



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Agenda - Projects

- DMO MPM Degree
- DMO Certification Contract
- DSTO Evaluating Coalition C4ISR Architectures Contract
- DSTO Maritime Support Contract
- Wedgetail TRDC C4ISR Course
- Research student supervision
- Semester 1 Software T&E Course
- PETS
- Research Group Meetings
- SEEC Administrative tasks
- INCOSE Region VI Support



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Representative project introductions

DMO MPM Degree (DMO MPM Degree Green)

- SEEC Project
- DMO Contract
- Staff
- Project Manager - J. Kasser
- Administrative Support - D. Perin
- X. L. Tran
- S. Matison

DMO Certification Contract

- SEEC Project
- DMO Contract
- Staff
- Project Manager - J. Kasser
- Administrative Support - D. Perin
- X. L. Tran
- S. Matison

PETS Project

- SEEC Project number
- Staff
- Project Manager - J. Kasser
- Administrative Support - D. Perin
- X. L. Tran
- S. Matison

SEEC logo: Helping build systems better faster cheaper.

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Alternative introduction

#	Project
1	DMO MPM Degree
2	DMO Certification Contract
3	DSTO Evaluating Coalition C4ISR Architectures Contract
4	DSTO Maritime Support Contract
5	Wedgetail TRDC C4ISR Course
6	Research student supervision
7	Semester 1 Software T&E Course
8	PETS
9	Research Group Meetings
10	SEEC Administrative tasks
11	INCOSE Region VI Support

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TLC introduction

- [Hot link](#) the project titles to presentation sections: non-sequential access

#	Project	Status
1	DMO MPM Degree	Green
2	DMO Certification Contract	Yellow -P
3	DSTO Evaluating Coalition C4ISR Architectures Contract	Yellow -P
4	DSTO Maritime Support Contract	Red -BS
5	Wedgetail TRDC C4ISR Course	Blue
6	Research student supervision	Green
7	Semester 1 Software T&E Course	Yellow -P
8	PETS	Green
9	Research Group Meetings	Green
10	SEEC Administrative tasks	Green
11	INCOSE Region VI Support	Yellow -PB

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Enhanced TLC introduction

#	Projects	Last	Current	Next
1	DMO MPM Degree	Green	Green	Green
2	DMO Certification Contract	Yellow -P	Yellow -P	Red -P
3	DSTO Evaluating Coalition C4ISR Architectures Contract	Yellow -P	Yellow -P	Green
4	DSTO Maritime Support Contract	Red -BS	Red -BS	Red -BS
5	Wedgetail TRDC C4ISR Course	Green	Blue	Green
6	Research student supervision	Green	Green	Green
7	Semester 1 Software T&E Course	Yellow -P	Yellow -P	Green
8	PETS	Green	Green	Green
9	Research Group Meetings	Green	Green	Green
10	SEEC Administrative tasks	Green	Green	Yellow -P
11	INCOSE Region VI Support	Yellow -PB	Yellow -PB	Yellow -PB

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Projects: ETLC trend views

#	Projects	Last	Current	Next
1	Project Ho-hum	Green	Green	Green
2	Project Oh oh	Yellow -PB	Yellow -P	Red -P
3	Project Catching up	Yellow -P	Yellow -P	Green
4	Project Replace manager	Red -BS	Red -BS	Red -BS
5	Project Very happy customer	Green	Blue	Blue
6	Project Completed	Green	Green	N/A
7	Project Promote manager	Red -P	Yellow -P	Green
8	Project Watch this person	Yellow -BS	Green	Blue
9	Project No risk management	Green	Red -P	Red -P
10	Project Took course in risk management	Green	Green	Yellow -P
11	Project Manager doing risk management	Yellow -P	Yellow -P	Yellow -P

What is ETLC for a good project?

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ETLC: Pros and Cons

- Advantages
 - Visibility of status at high level
 - Facilitates Management By Exception (MBE)
 - Saves time in project status meetings
 - Prioritizes discussions in non-linear manner
 - Focuses on specific projects in the portfolio
 - Integrates problem management (risk management) into project management
- Disadvantages
 - Opens yellow and red status projects up to micromanagement by next level of management
 - So have risk mitigation plans ready

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Comments?

HOLISTIC
THINKING

CREATING INNOVATIVE SOLUTIONS
TO COMPLEX PROBLEMS

DR JOSEPH
KASSER

SEEC Research Group

SEEC Project number
Staff
Project Manager (2000-2004) - J. Kasser

DMO Certification Contract

Explanation of variation

- D. Larden was working on other activities

WORK IN PROGRESS
SORRY FOR ANY
INCONVENIENCE
CAUSED

INCOSE Region VI Support

Lessons learned

- You can get an 8-day week by
 - going around the world in a week and
 - crossing the International Date line from Australia to the USA
- It will take 3 days to recover from the 8-day week

「國際系統工程協會台灣分會成立典禮」
「系統工程與策略性服務業」
INCOSE Region VI Support

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