



ENGINEERS
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AUSTRALIAN SYSTEMS
ENGINEERING WORKSHOP
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Workshop: PM-SE Integration

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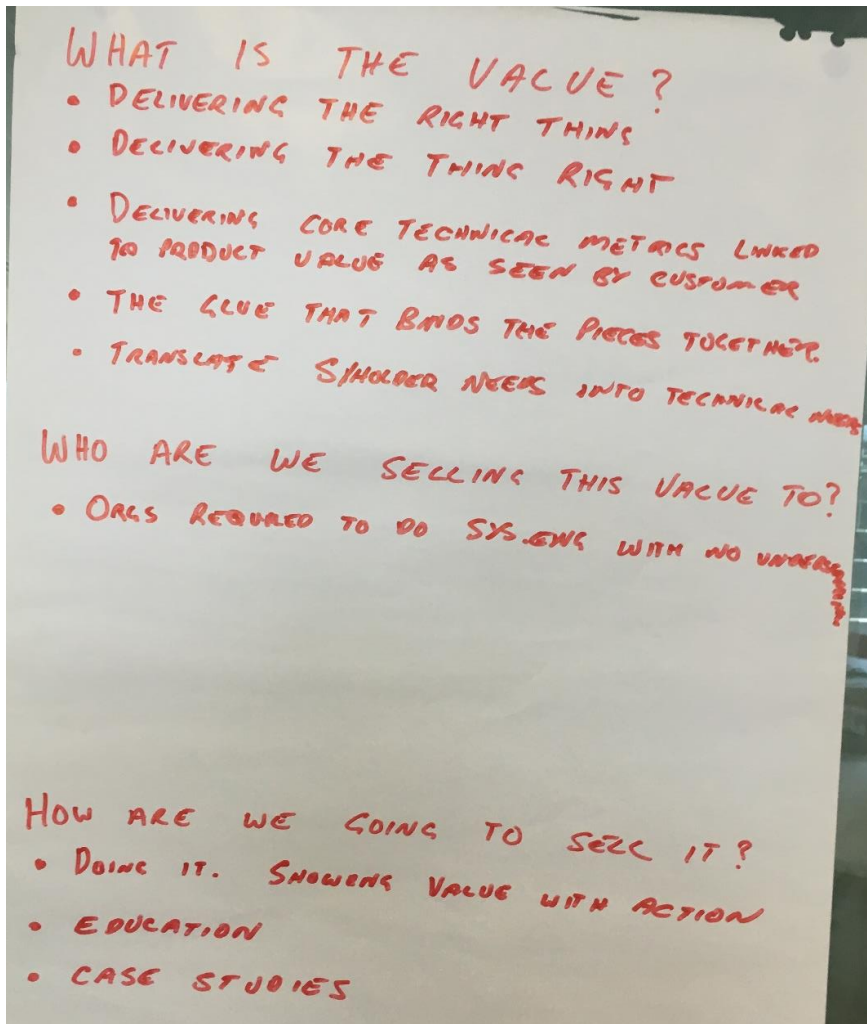
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Workshop Format

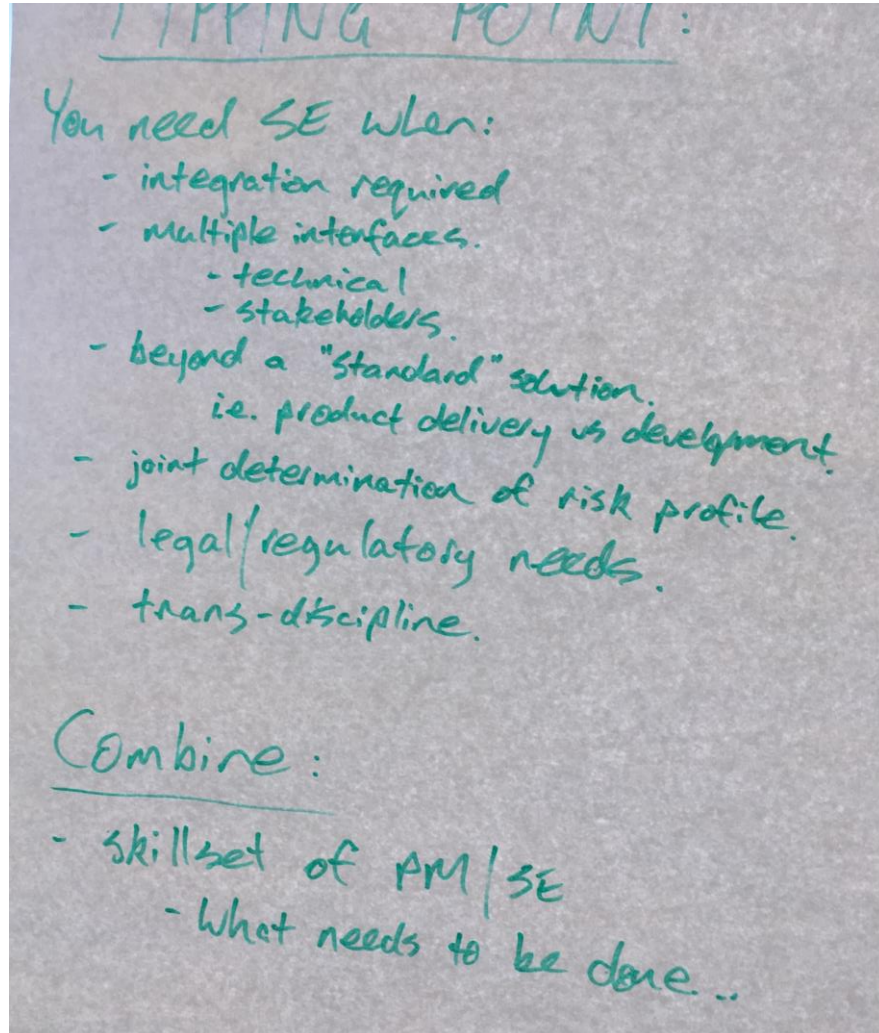
- Introduction – Panel Session
 - Four Project Leaders summarised experience & answered questions
 - Completed initial session with discussion on key aspects of PM-SEI
- Summary of international work in the area
 - Detailed the INCOSE working groups established & active
 - Highlighted recent Aust events
 - Looked specifically at a workshop with PMs at PGCS 2019
- Workshopped three aspects related to PM-SEI
 - Value of SE; Tipping point for use of SE; WBS/PBS

Results from Workshop - Value



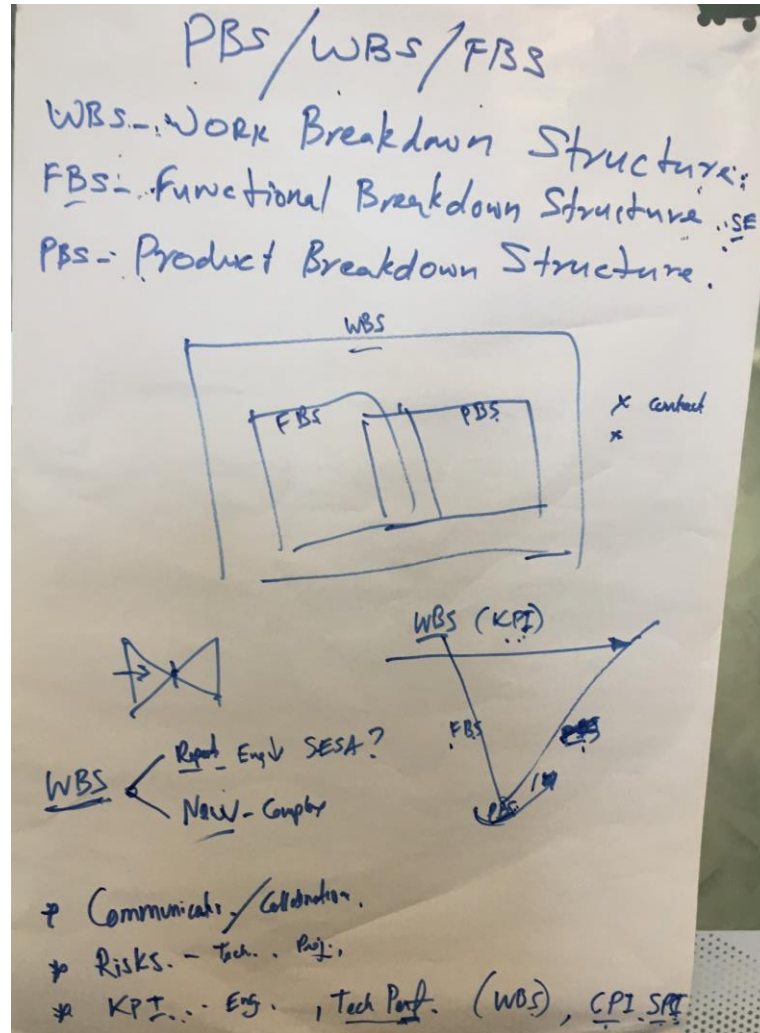
- A lot of discussion but group found it difficult to define 'Value'
- Settled on saying SE helps deliver the right outcome by translating customer needs into product
- Suggested case studies were needed to demonstrate Value

Results – Tipping Point



- Highlighted that SE has perception of high cost and so isn't useful for some projects
- Identified criteria such as:
 - Integration
 - Multiple Interfaces
 - Product Development
 - When trans-discipline required
 - If Legal or Regulatory implications

Results – WBS/PBS



- Strong perception that SE are responsible for the PBS
- Highlighted that there is also an FBS – Functional Breakdown
- Described WBS as encompassing the PBS but includes other things
- Suggested the PM owns the WBS

Facilitators Summary of Results

1. The misconceptions of PM-SEI are prevalent even within the SE discipline practitioners
2. Overwhelming sentiments of them & us with clear attempts to segregate responsibilities and 'draw-a-line' between the disciplines
3. Strong views that SE is technical & product focussed while PM is cost & schedule focussed
4. Innate belief that SE is not required in all circumstances (due to cost burden) but perception that PM is always required
5. Therefore the path to true "Integration" will require effort across all disciplines not just education of PM's or additional SEBoK material