



# SHOAL™

Capability in Complexity



**SHOAL<sup>TM</sup>**

DOs and DON'Ts of introducing  
MBSE to your enterprise

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Chief Engineer

# Who am I?



First time attendee,  
long term advocate  
...hidden down under



Senator the Hon David Fawcett

*"...I increasingly believe that the discipline of systems engineering should underpin all of the decisions taken in the Parliament — **perhaps fewer lawyers and more engineers would make our parliamentary processes more effective!**"*



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**Shoal supporting the digital transformation**

At the organisation level

At the project level

At different points of the lifecycle

In Defence and transport

In industry and government

D<sup>3</sup> O<sup>1</sup>



Dos and Don'ts of  
introducing MBSE  
to your enterprise







# You need a champion

*Who is going to sell your cause internally?*



 The earlier  
the better  
*Goes without saying, right?*



# Minimal viable model

*What level of fidelity do you need?*





# Avoid scope creep

*When they get it, the REALLY get it!*





Don't forget it's an  
organisational capability

*Organisational change needs to be catered for.*





Don't rely on the model for a shared understanding

*Richer information, but only if its understood.*





# Don't ignore the documents

*We still live in a document centric world.*



 Don't think  
it's quicker  
*The outcome should be better.*

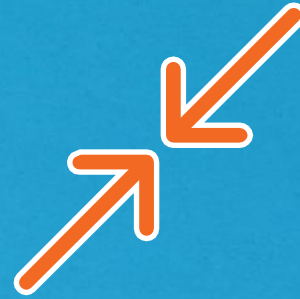




Champion



Early



Viable model



Scope creep

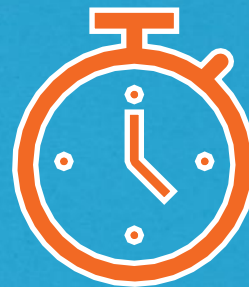
# Conclusion



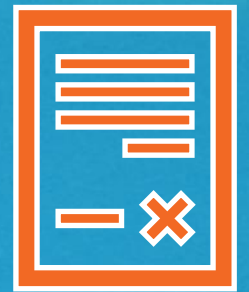
Organisation



Understanding



Not quicker



Documents





Questions  
**Answers**





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