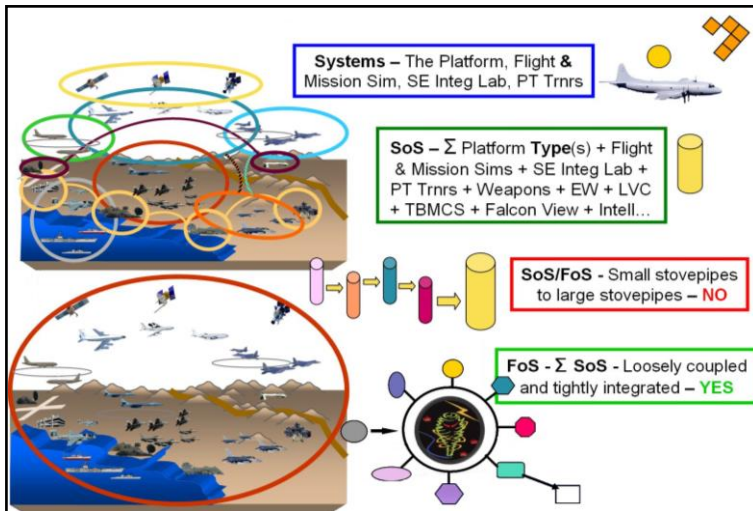


The profession of arms in the Information Age: operational joint fires capability preparedness in a small-world: Executive Summary on a Page

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Fundamental Inputs & Outputs of Capability

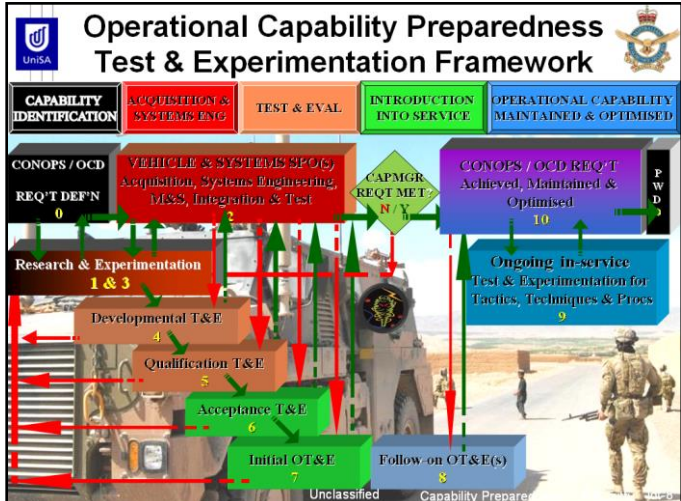
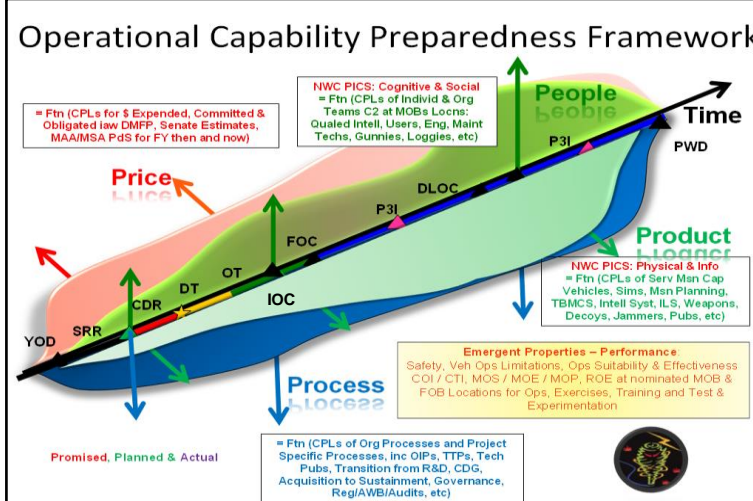
FICS – Fundamental Inputs to Capability
Driven by Conops and OCDs

- Personnel
- Organisation
- Collective Training
- Major Systems
- Supplies
- Facilities & Training Areas
- Command & Management
- User Perspectives at all levels (Sqn/Wing/Group/HQs) need to be identified and argued for ...

Fundamental Outputs of Capability – operational effects
Results expected of the Conops

- Critical Operational/Technical Issues...
- Measures of Effectiveness
- Measures of Suitability
- Measures of Performance
- Rate of Effort & Locations
- Preparedness – both readiness & sustainment
- Interoperability with other SoS?
- Independent V&V

Question/Observation: How many Conops do you have & need, really?



CPL Operations & Safety Criticality - Mission Confidence γ		A	B	C	γ
0	No identified capability, basic principles conceptualised and studies initiated. Capability development being proposed.				
1	Basic principle observed and reported. Studies or initial investigations undertaken. Capability development initiated.	1 σ	50	20	50
2	Technology concept and/or application formulated. Potential applications have been identified.	2 σ	1 σ	50	70
3	Analytical and experimental critical function and/or characteristic proof of concept. R&D has been initiated, work towards validating the concept done. Capability is Managed.	3 σ	2 σ	1 σ	90
4	Component and/or breadboard validation in lab environment. Basic elements of the Capability (SoS/Major system/product) have been integrated to show they will work.	4 σ	3 σ	2 σ	95
5	Capability SoS/Major systems and/or components/breadboard validation in relevant environment. A higher fidelity validation of the Capability in a realistic environment. Capability is Defined.	5 σ	4 σ	3 σ	99
6	Capability SoS model or prototype demonstration in a relevant / realistic environment.				
7	Capability SoS prototype demonstration in operational environment with representative personnel and C2 law Conops. 'Production' can now commence. Capability is being Quantifiably Managed.				
8	Actual Capability SoS completed and mission qualified through test and demonstration with operational personnel and C2. Actual Capability SoS has been successfully tested, qualified and certified law Conops.				
9	Actual Capability SoS proven through successful mission operations with operational personnel and logistics support. Actual Capability SoS has been successfully fielded.				
10	Actual Capability SoS has been found to be operationally effective, suitable and sustainable in successful real-world network-enabled operations with other identified SoS as a FoS. Capability is being Optimised. Unclassified. Capability Preparedness				

