

List changes



- ► List business changes
- ▶ List IS changes
- ▶ List IT changes
- Consider the big picture, over the long term.
- List changes / deliverables of the whole business and IT change programme
- Think broadly across the POLDAT spectrum.

Migration	Baseline State	Target State
System Domain	Cha	inges
Business	Processes Organisation Locations	Processes Organisation Locations
Information Systems	Data Applications	Data Applications
Technology	Infrastructure Technologies	Infrastructure Technologies

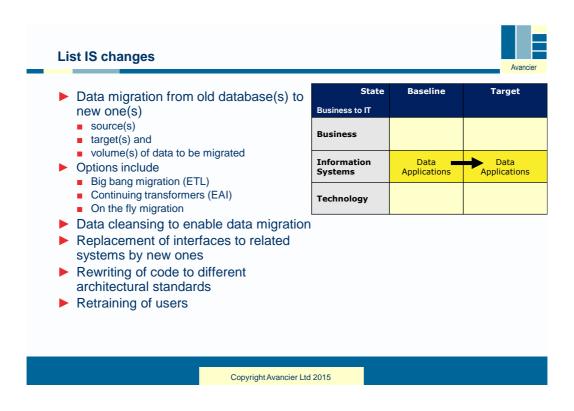
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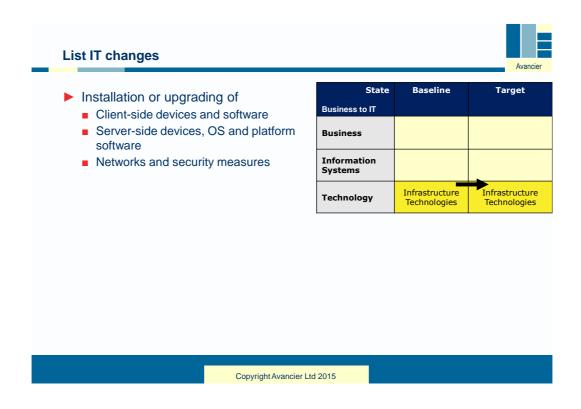
List business changes

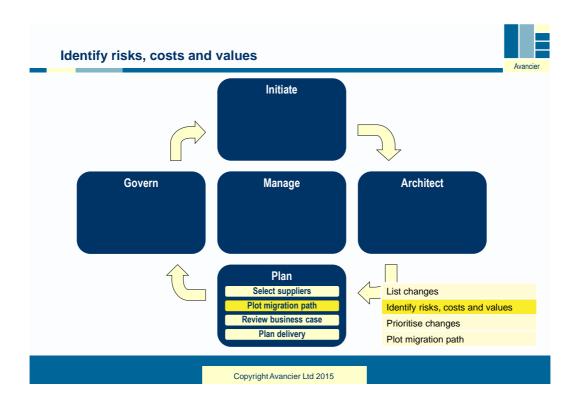


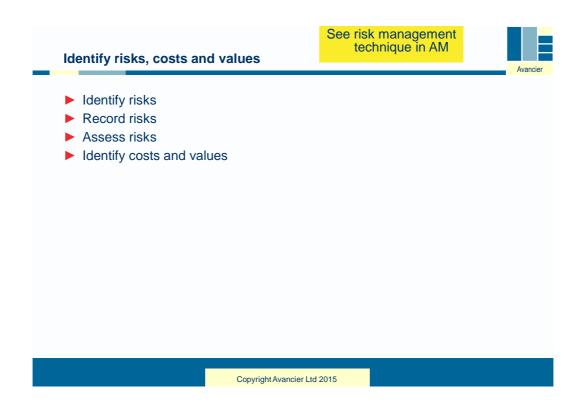
- ► Staff job descriptions and procedures
- ► Hiring, firing and retraining staff
- ▶ Buying and selling equipment
- Opening and closing buildings.

State	Baseline	Target
Business to IT		
Business	Process Organisation Locations	Process Organisation Locations
Information Systems		
Technology		









Identify risks Predict likely issues, in order to anticipate them (Every issue you have ever experienced on a project could in theory have been logged as a risk at the start.) Start with the 'iron triangle' of Scope: requirements, qualities... Cost: human and material resources... Time: duration, deadline...



Extract from risk management technique in AM **Record risks RAID** A catalogue of risks, assumptions, issues and catalogue dependencies, which may be cross-referred to elements in requirements and/or solution documentation. Cf. Risk Register in PRINCE2. Risk A potential problem; an event that will cause an issue if it occurs. **Assumption** Statement that, if not true, could turn into a risk or issue that threatens the success of a project. A problem that needs resolution. Sometimes the Issue realisation of a pre-identified risk, or an assumption that proved false. Dependency A dependency of a project upon an external actor (risk sense) or deliverable, not under the management of the project manager.

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Assess risks

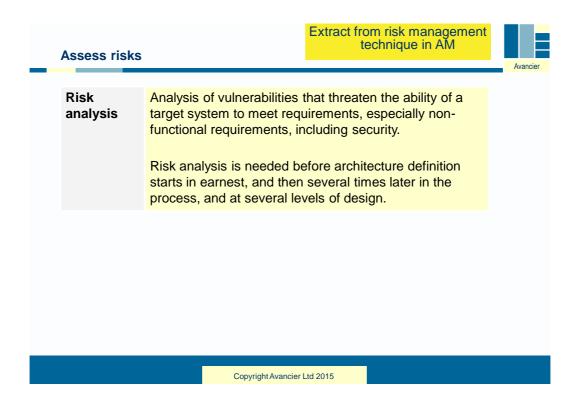
Extract from risk management technique in AM

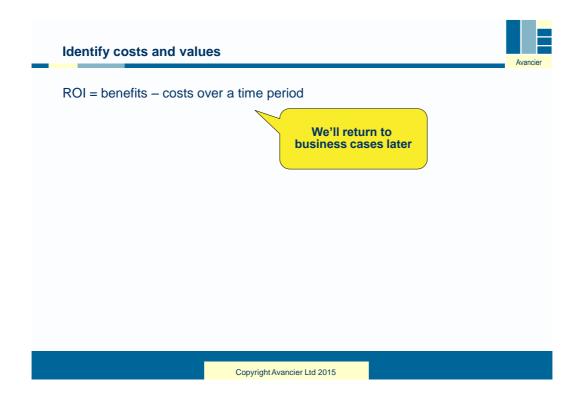


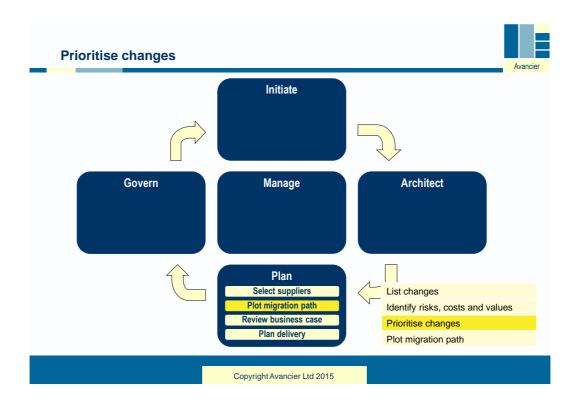
- Classify risks and prioritise them.
- A matrix of 9, 16 or 25 cells is commonly used
- Risk quantification may be to imprecise for more than 9 cells.

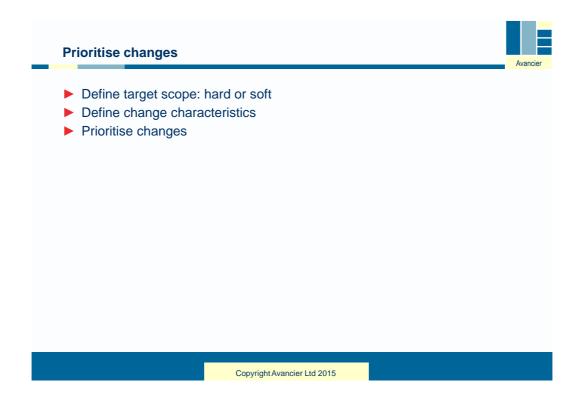
Likelihood	Low	Medium	High
Impact			
High	3 + 1	3 + 2	3 + 3
Medium	2 + 1	2 + 2	2 + 3
Low	1 + 1	1 + 2	1 + 3

▶ A 100% likely risk is an issue - to be dealt with now. The management question is: How much time and money to invest in addressing it?



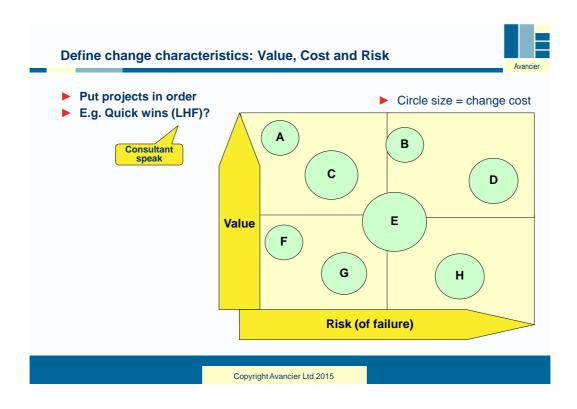


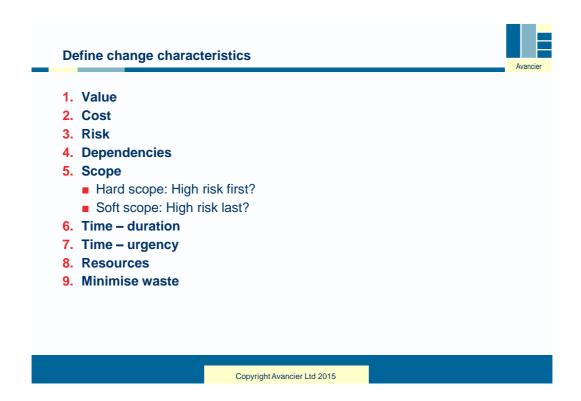




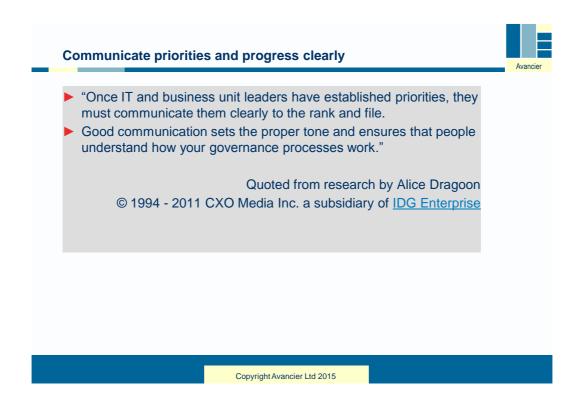
Pefine target scope: soft or hard The further away the target in time, and the less certainty or control the customer has, the more likely things will change the target scope is soft and the migration path will be defined incrementally. A service provider may prefer a hard scope since it yields a large and long term programme of work. will want to demonstrate some quick wins to establish the credibility of a longer term plan.

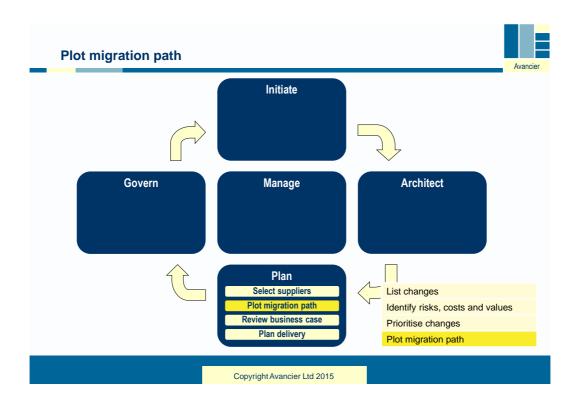


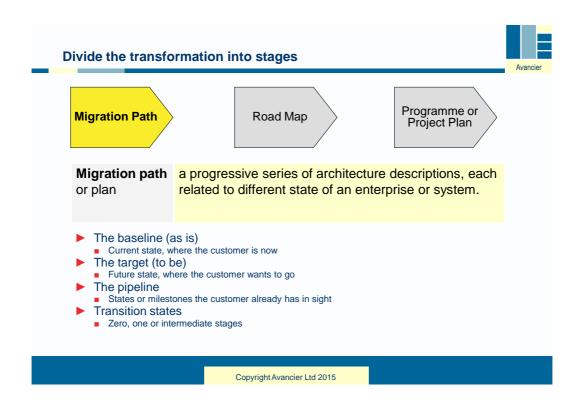




Prioritise changes H/M/L or MoSCoW Data Kick off a data migration project as early as possible. Do data clean up before data migration Do data migration before replacement applications Follow CURD: Data entry apps before read/report-only apps Applications Use the application portfolio classification (MURDeR) Implement depended on apps before dependent apps Use the sequence of the business process or value stream?







Architecture evolution table



► [an artefact] a table that shows when architectural entities are created, changed and removed through a series of transition states.

Migration path				
Architecture entity Or Solution element	Phase 1	Phase 2	Phase 3	Phase 4
Α	V. 1	V. 2		
В	V. 1			
С		V. 1	V. 2	V. 3
D (temporary)		V. 1	Retire	
Е			V. 1	
F			V. 1	V. 2
G				V. 1
Н				V. 1

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Work or product evolution table



► [an artefact] a table that shows when work units start and stop through a series of transition states.

Work or product evolution table				
Work or product element	Version	Description	Phase created	Phase retired
Α	V. 1		Phase 1	Phase 2
	V. 2		Phase 2	
В	V. 1		Phase 1	
С	V. 1		Phase 1	Phase 2
	V. 2		Phase 2	Phase 3
	V. 3		Phase 3	
D	V. 1		Phase 2	Phase
E	V. 1		Phase 3	
F	V. 1		Phase 3	Phase 4
	V. 2		Phase 4	
G	V. 1		Phase 4	
Н	V. 1		Phase 4	

Plot the migration path



- ► Divide the transformation into stages
- ► Assign deliverables and dates to each stage
 - Include any temporary deliverables
- ▶ Define interfaces for each transition state
 - Temporary interfaces to baseline systems
 - Permanent interfaces to baseline systems
 - Interfaces to temporary system in scope of state
- ► Convince your stakeholders it is workable

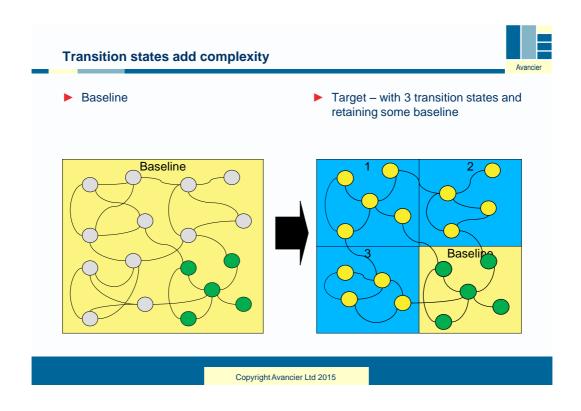
Stages	Deliverables and changes	Temporary deliverables?
Stage 1: date A	Deliverable/change Deliverable/change Deliverable/change	
Stage 2: date B	Deliverable/change Deliverable/change Deliverable/change	
Stage 3: date C	Deliverable/change Deliverable/change Deliverable/change	

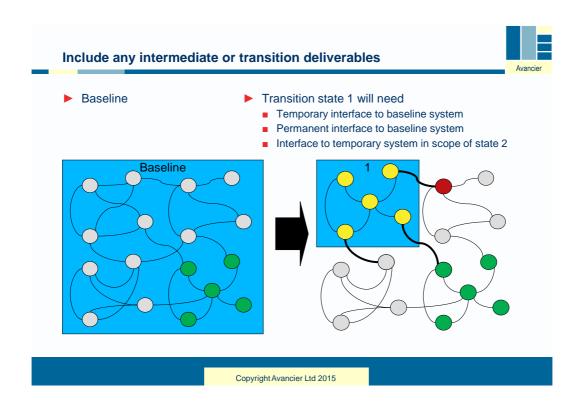
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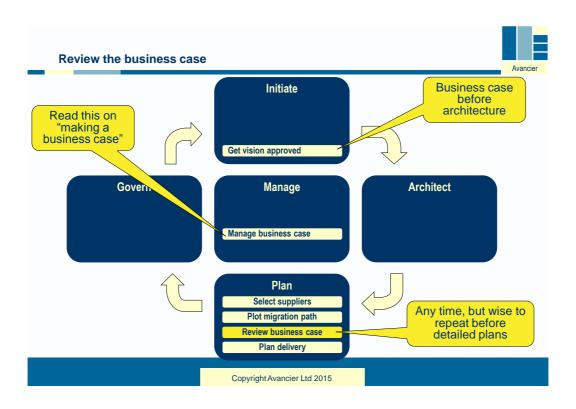
Assign deliverables and dates to each stage

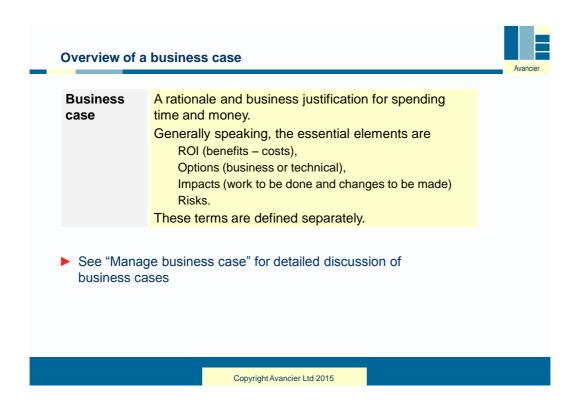


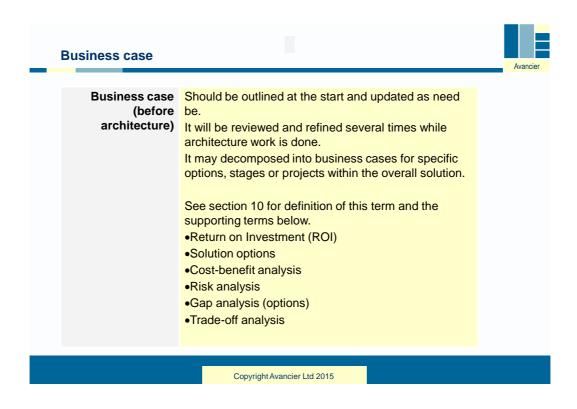
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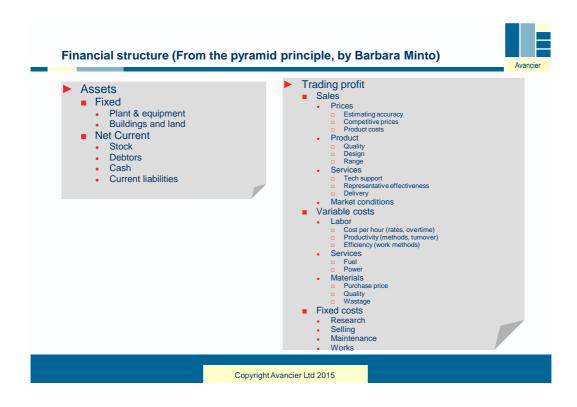


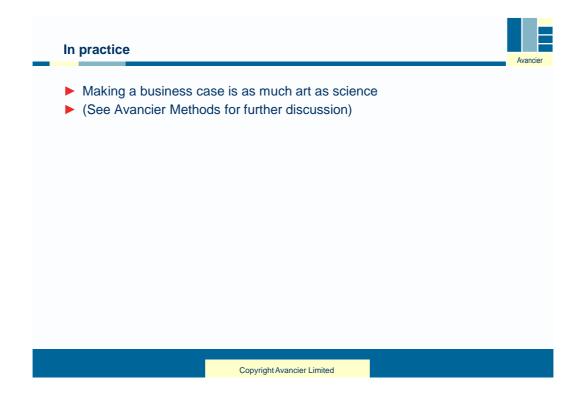


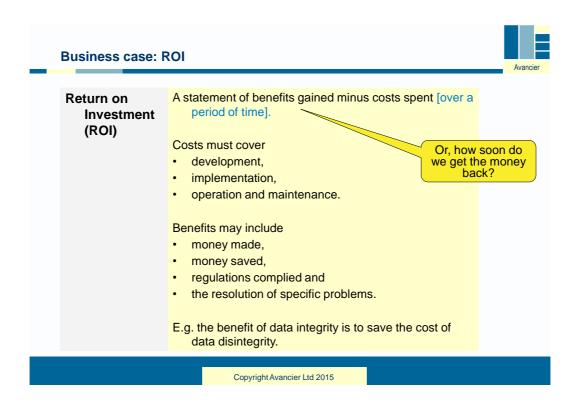


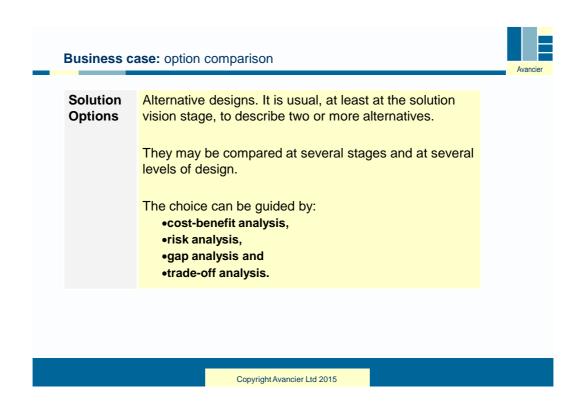


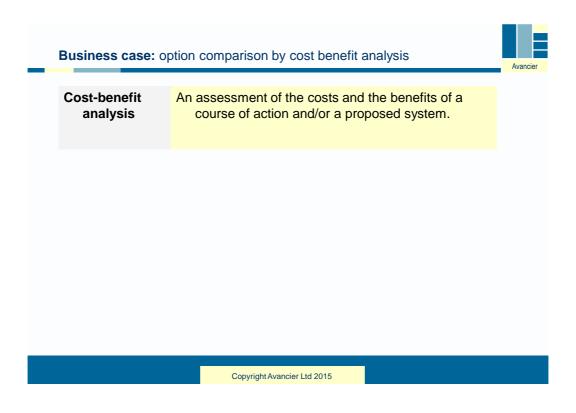


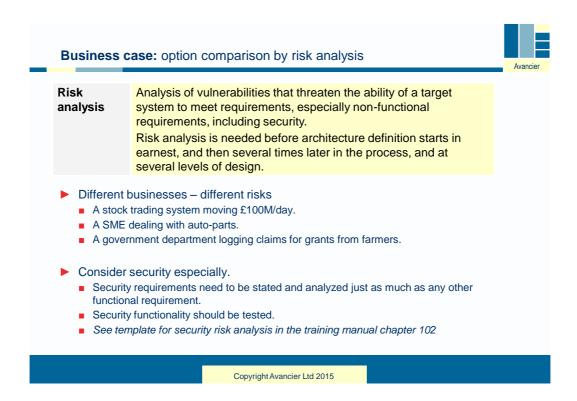












Business case: option comparison by gap analysis



Gap analysis (options)

Generally, a technique for comparing two similar lists or structures, to find potentially missing items.

It can be used to compare two optional solutions, and identify gaps in one or both.

It helps if the two options are presented under the same structure as each other, or a more general structure.

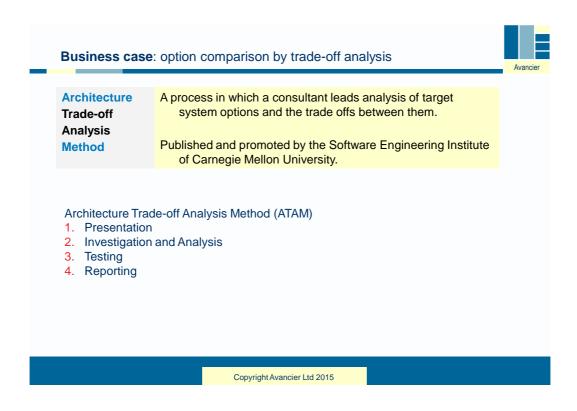
Solution 1 (buy)	Solution 2 (build)
А	A
В	В
С	Gap
Gap	D

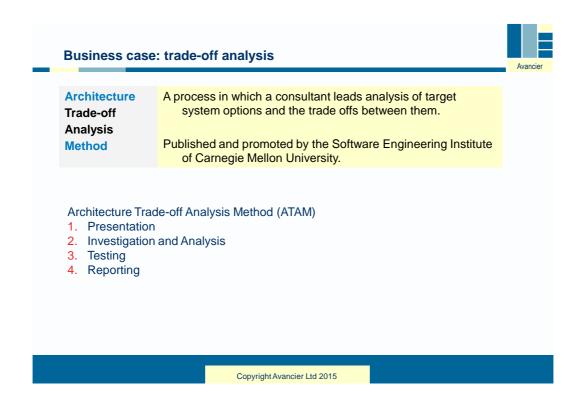
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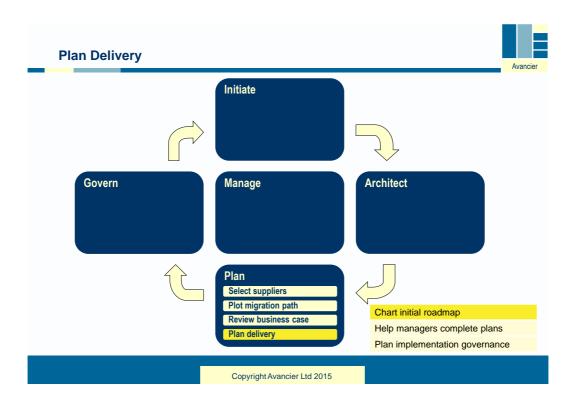
The Pugh Matrix (after Six Sigma)

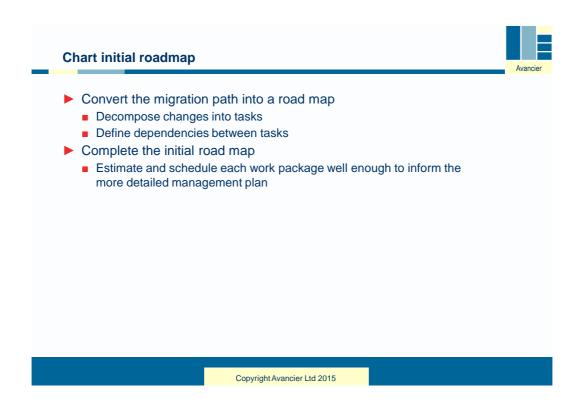


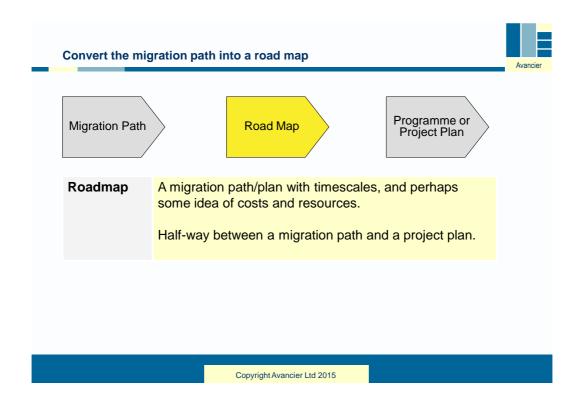
1 List criteria that the options must meet	2 Attach a weight to each criteria (say 1/3/5/7/9)	3 List the options and rate how well (say 1/3/5/7/9) each option meets each criterion.	
Criterion	Weight	Option 1	Option 2
Criterion 1	5	3	3
Criterion 2	5	3	5
Criterion 3	3	5	1
Criterion 4	3	1	1
Criterion 5	1	3	7
4 For each option, multiply the weights by the ratings	Total	51	53

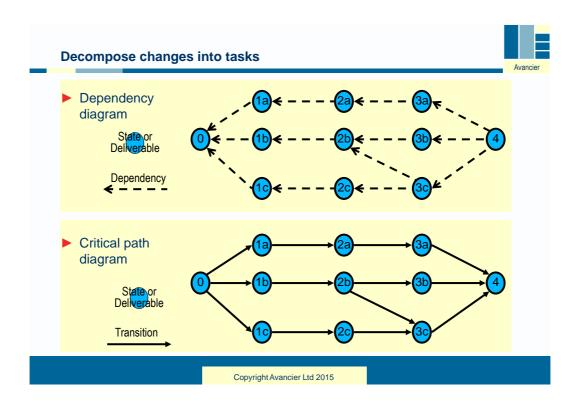


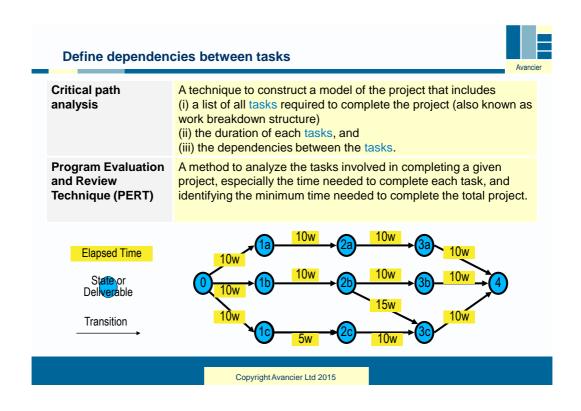


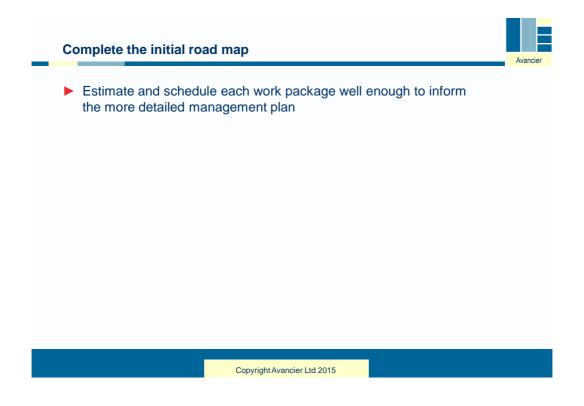


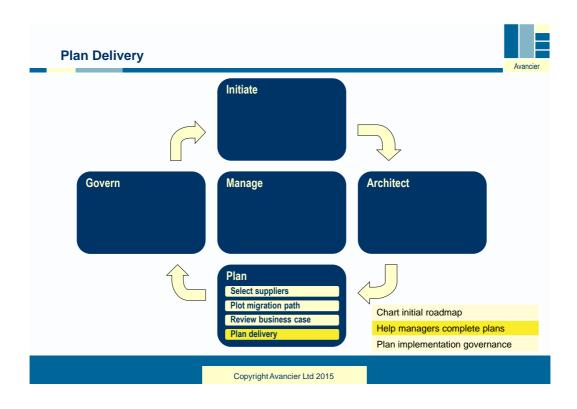


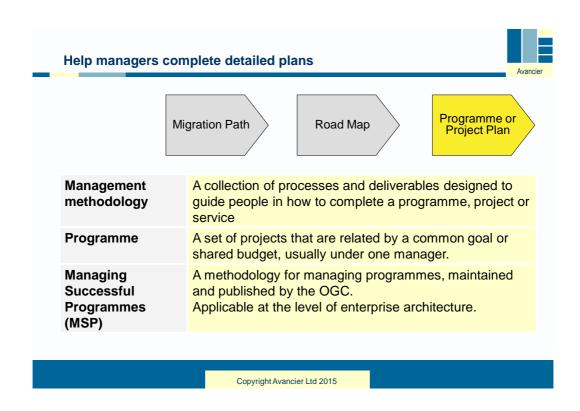




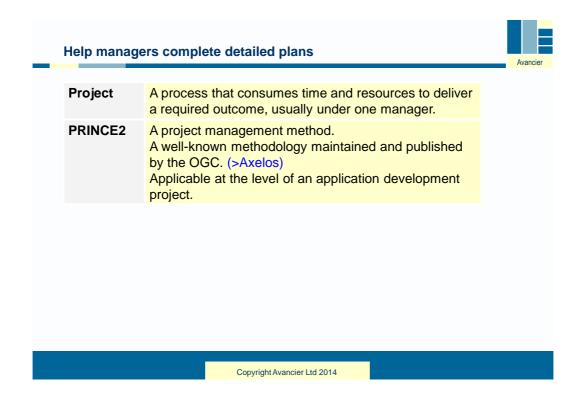


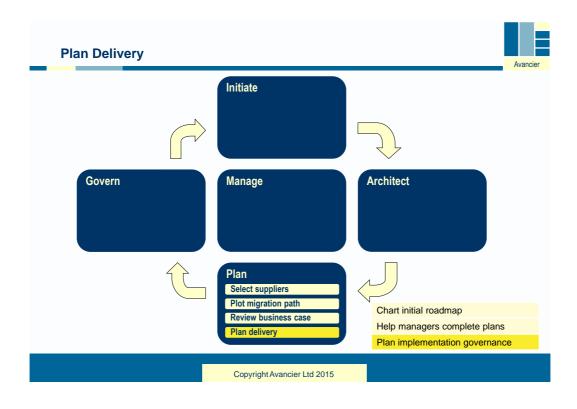


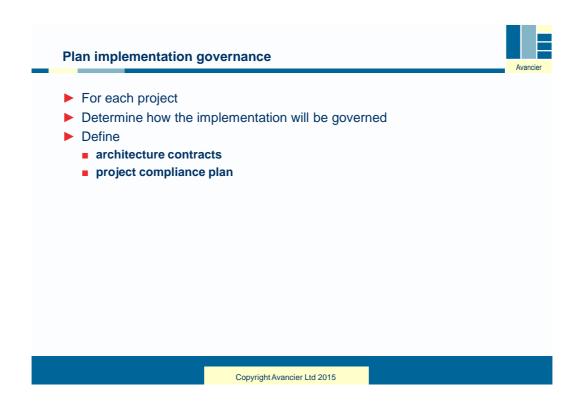




Programme Management <- -> Enterprise Architecture MSP Avancier Methods Identify programme: vision INITIATE **ARCHITECT** Define programme **PLAN** Manage programme **GOVERN** delivery **Tranches** Delivery Benefits management **GOVERN** operations Close programme Copyright Avancier Ltd 2015







Architecture contract (rules of engagement) A document agreed by a programme, project or business manager Perhaps an appendix to a Project Initiation Document Used by a governing architect to test the compliance of Solution description (vision, outline or build-ready) Operational system under construction Operational system change request Against (for example) Goals, objectives, requirements, especially NFRs Architecture principles, reference models and standards Earlier and higher level architecture descriptions Factors listed in more general compliance review checklists

