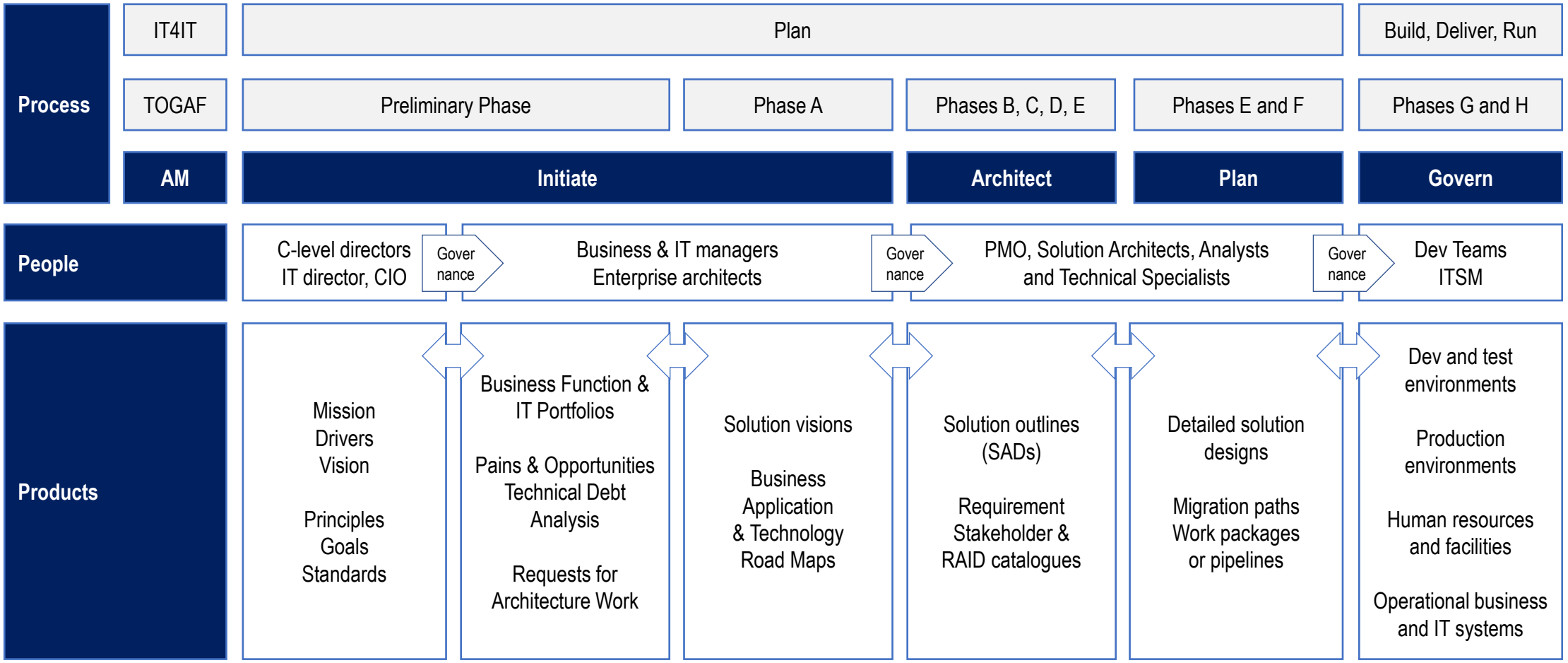
The architecture value stream in Avancier Methods



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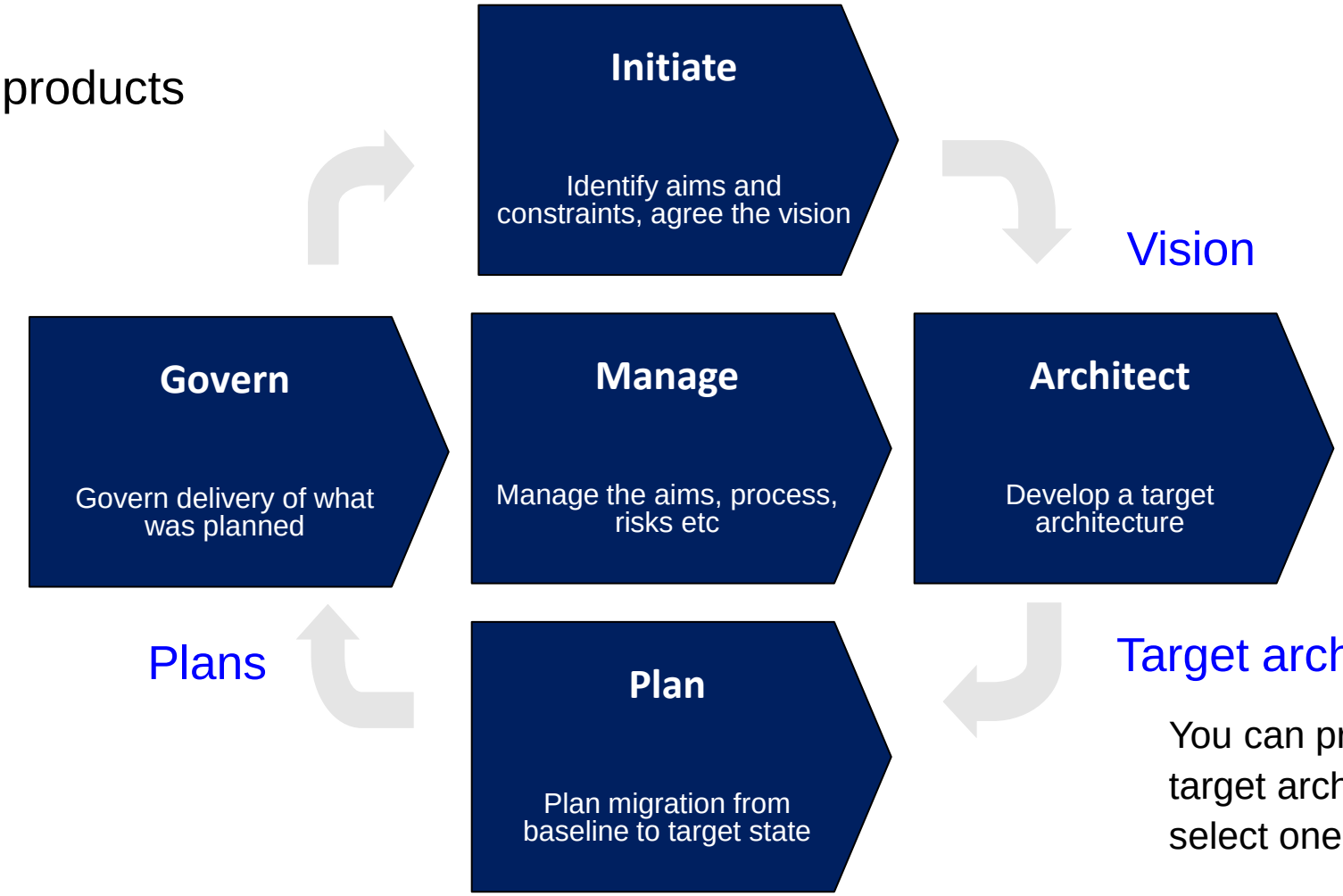
Avancier Methods – 1st level

Key milestone products



You can produce optional target architectures, and select one in the Plan phase

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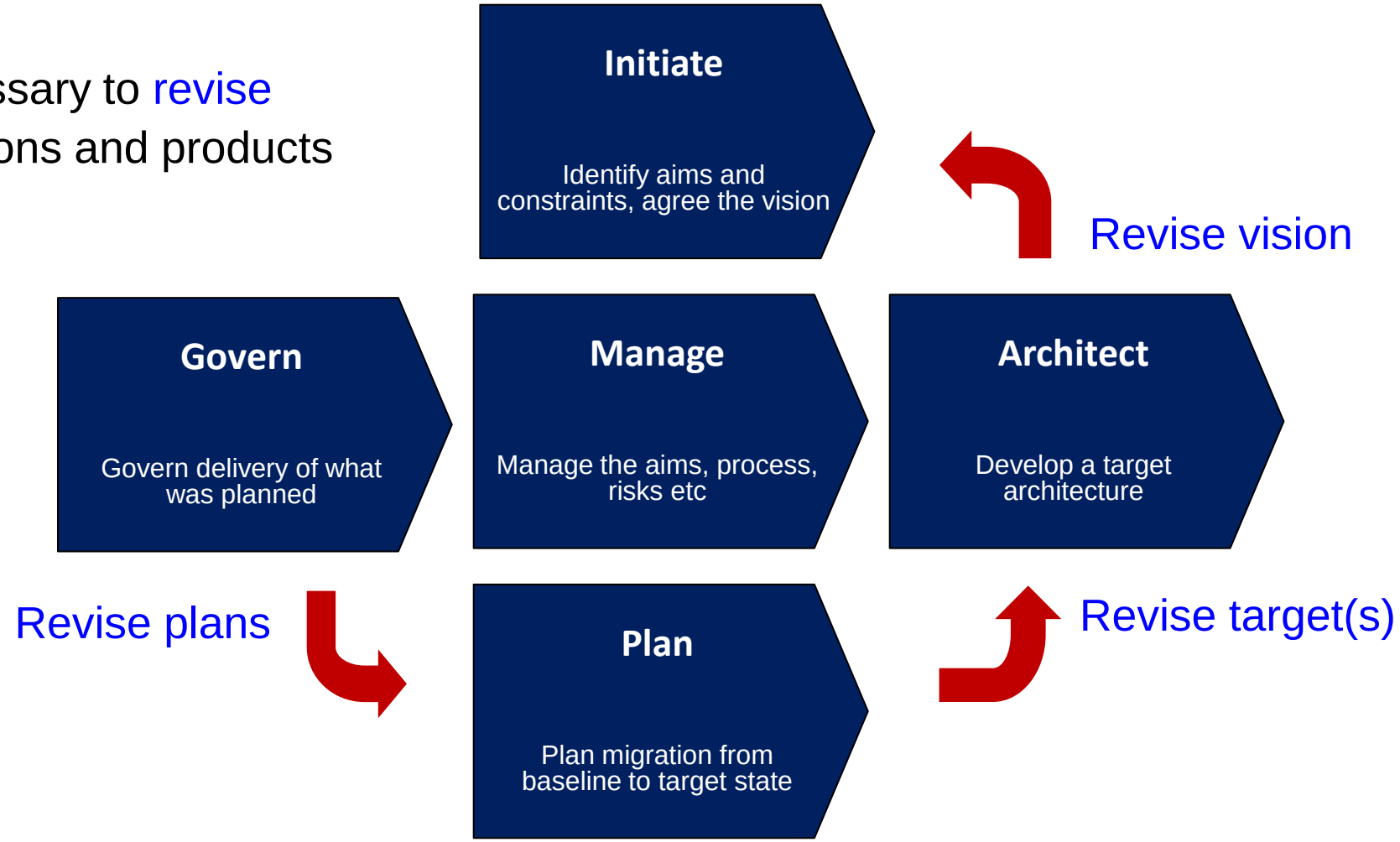
Not a strictly waterfall process

It often necessary to revise earlier decisions and products



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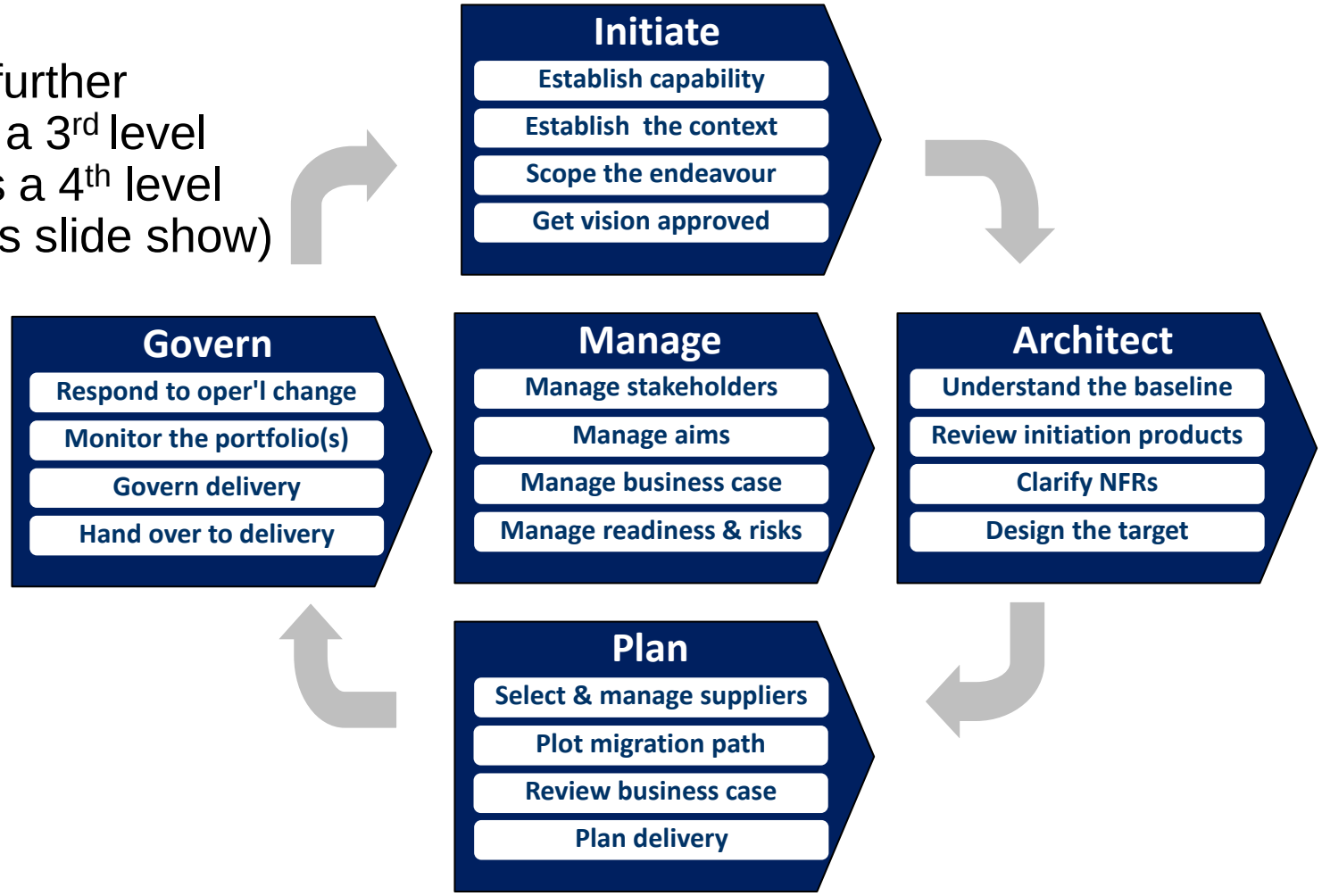
Avancier Methods – 2nd level

The process is further decomposed to a 3rd level (and sometimes a 4th level not shown in this slide show)



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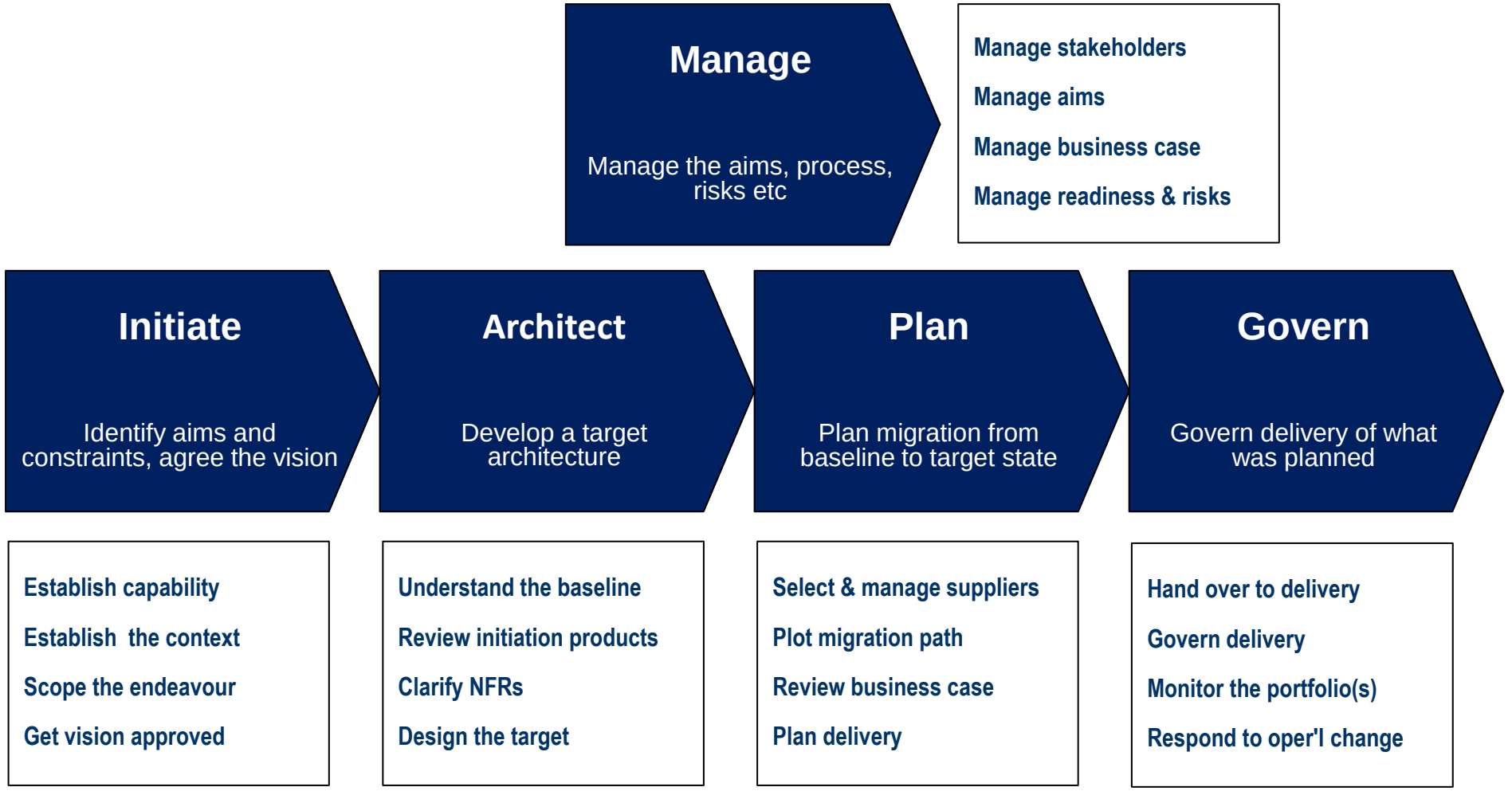
The same method presented as a value stream



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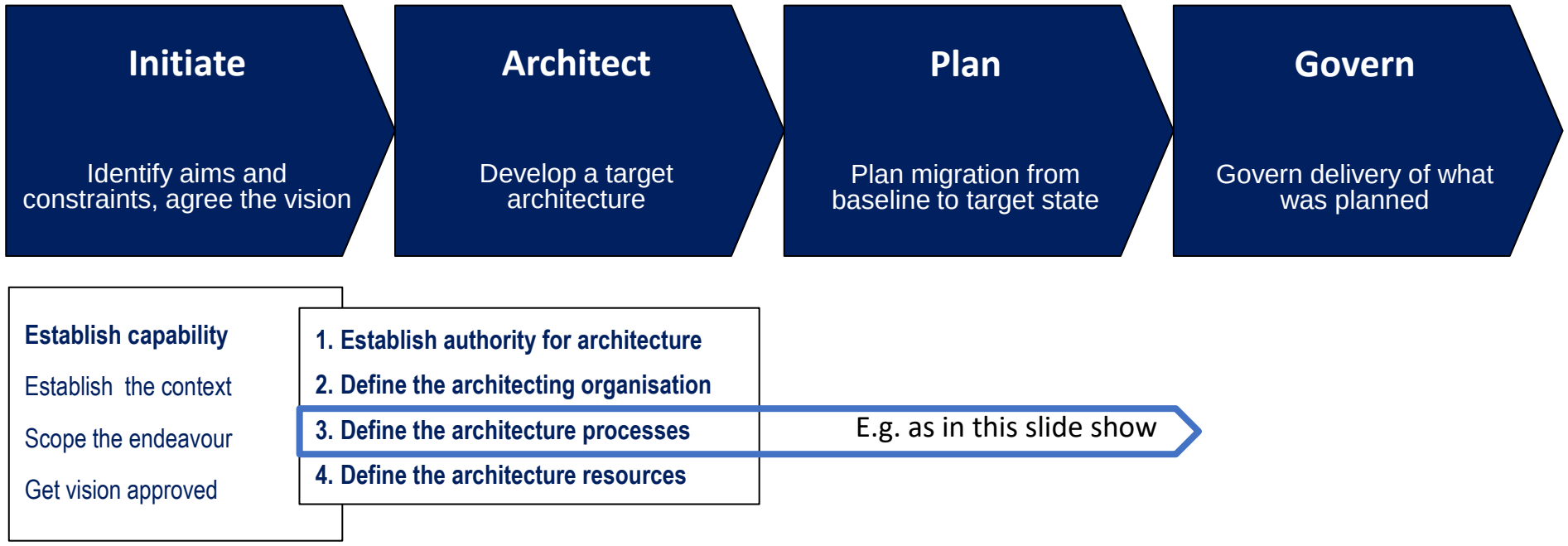
Establish capability



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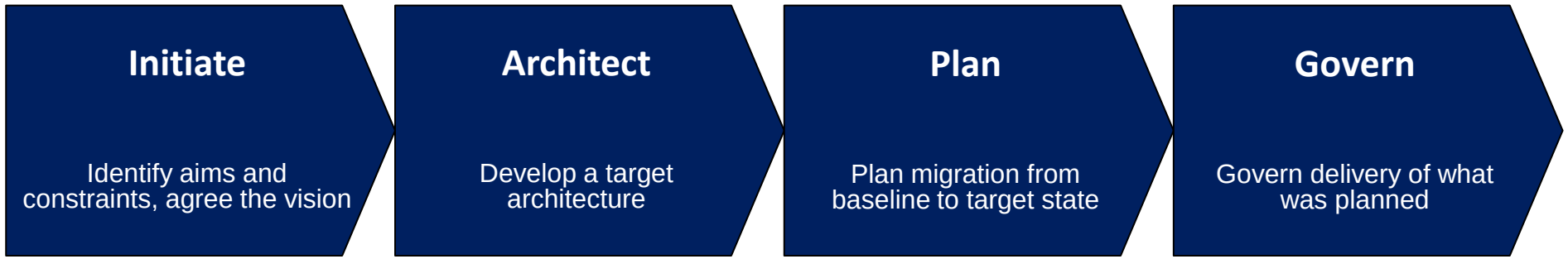
Establish the context



Establish capability

Establish the context

Scope the endeavour

Get vision approved

1. **Study the strategic context**
   - **(mission, vision, drivers)**
2. **Establish directives**
   - **(principles, policies and standards)**
3. **Establish goals**

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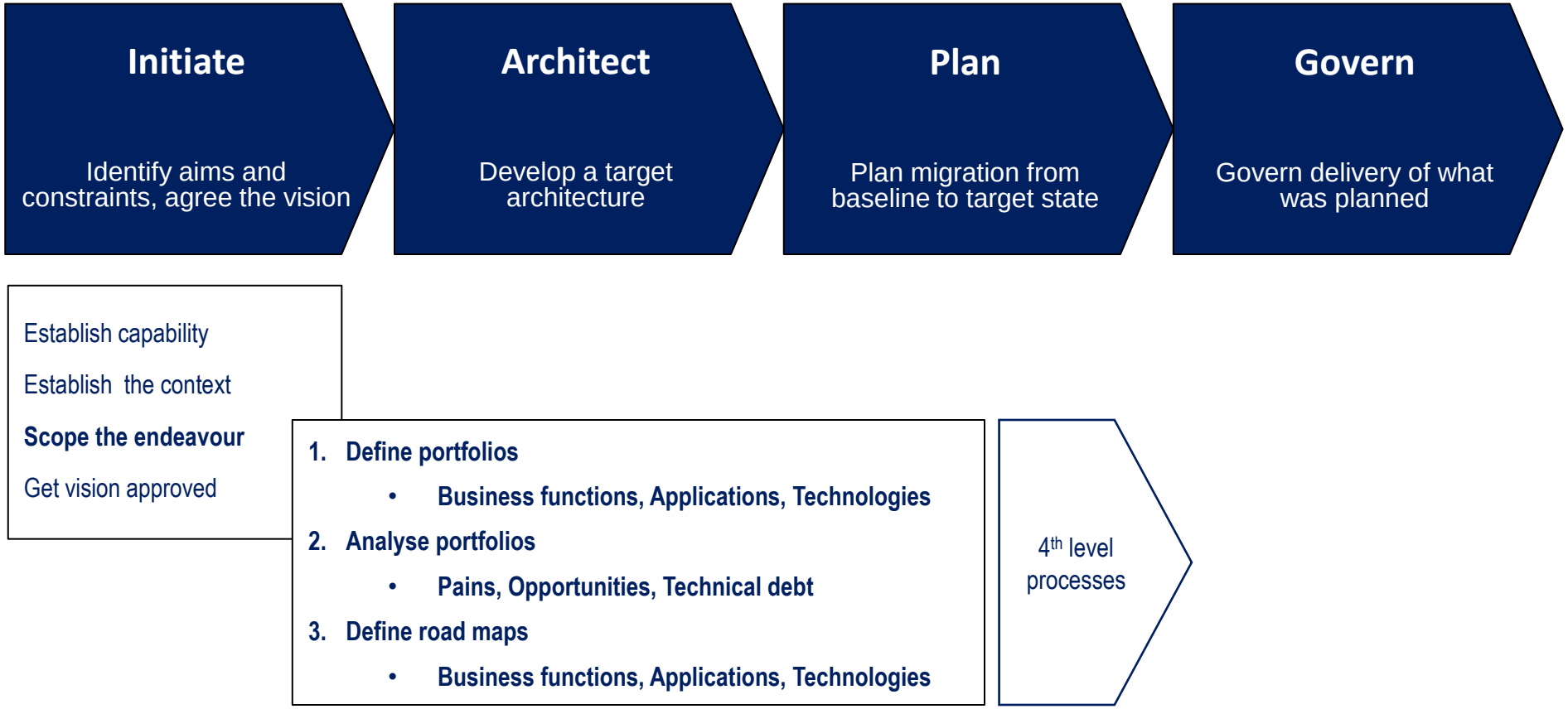
Scope the endeavour (EA)



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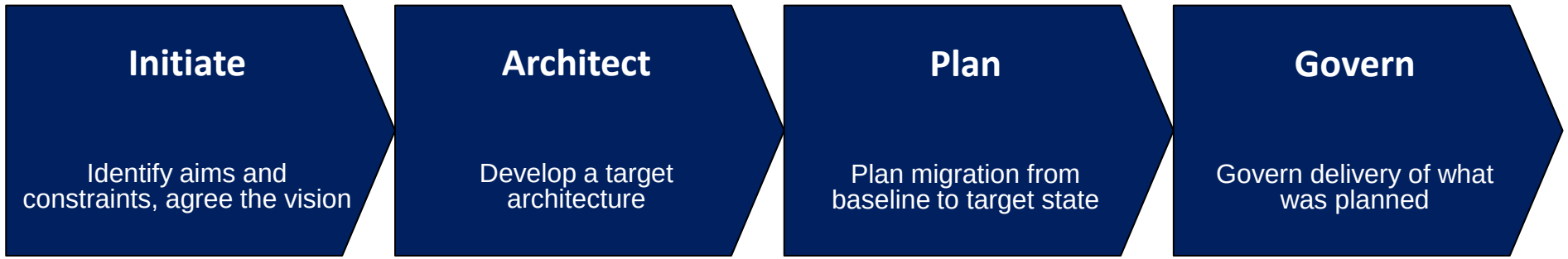
Scope the endeavour (SA)



Establish capability

Establish the context

Scope the endeavour

Get vision approved

1. **Identify stakeholders**
2. **Identify requests for work**
3. **Identify constraints (time, money, resources etc.)**
4. **Agree a solution vision**
5. **Scope in several ways**
6. **Plan the "architecture project"**

4th level processes

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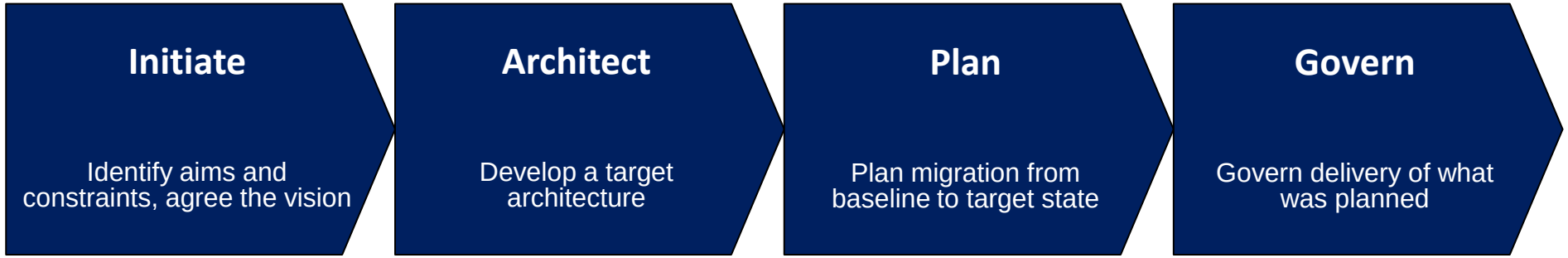
Get vision approved



Establish capability

Establish the context

Scope the endeavour

Get vision approved

1. **Clarify or build the initial business case**
2. **Document and present solution vision(s)**
3. **Get sponsor and other stakeholder approval for further work**

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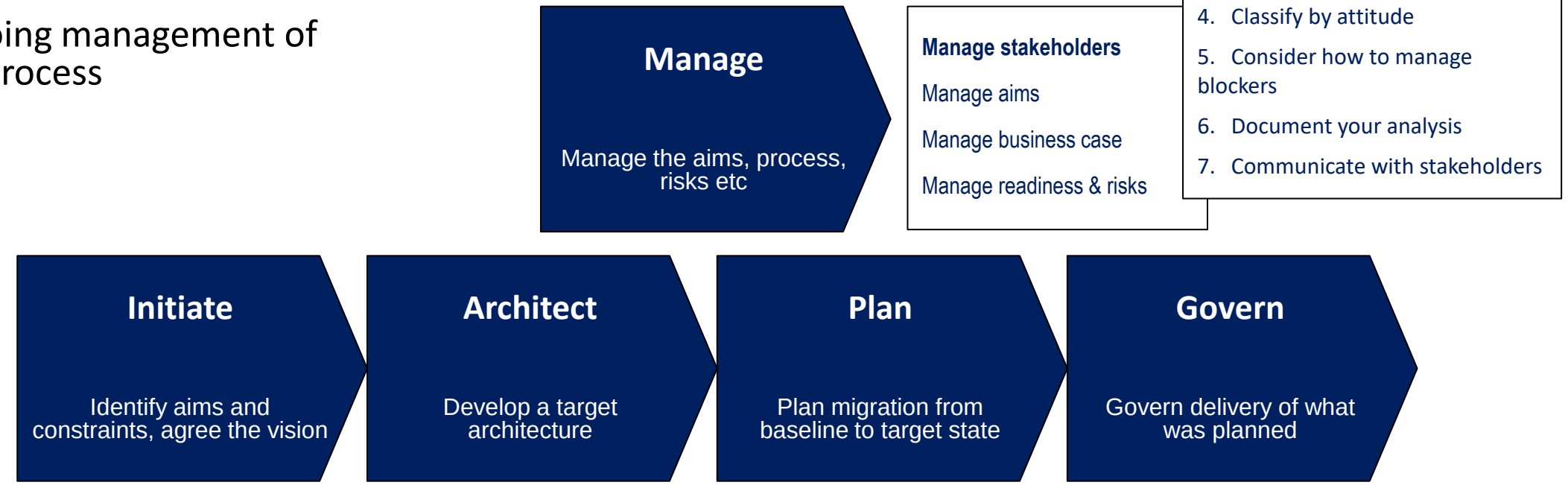
Manage stakeholders

- Ongoing management of the process



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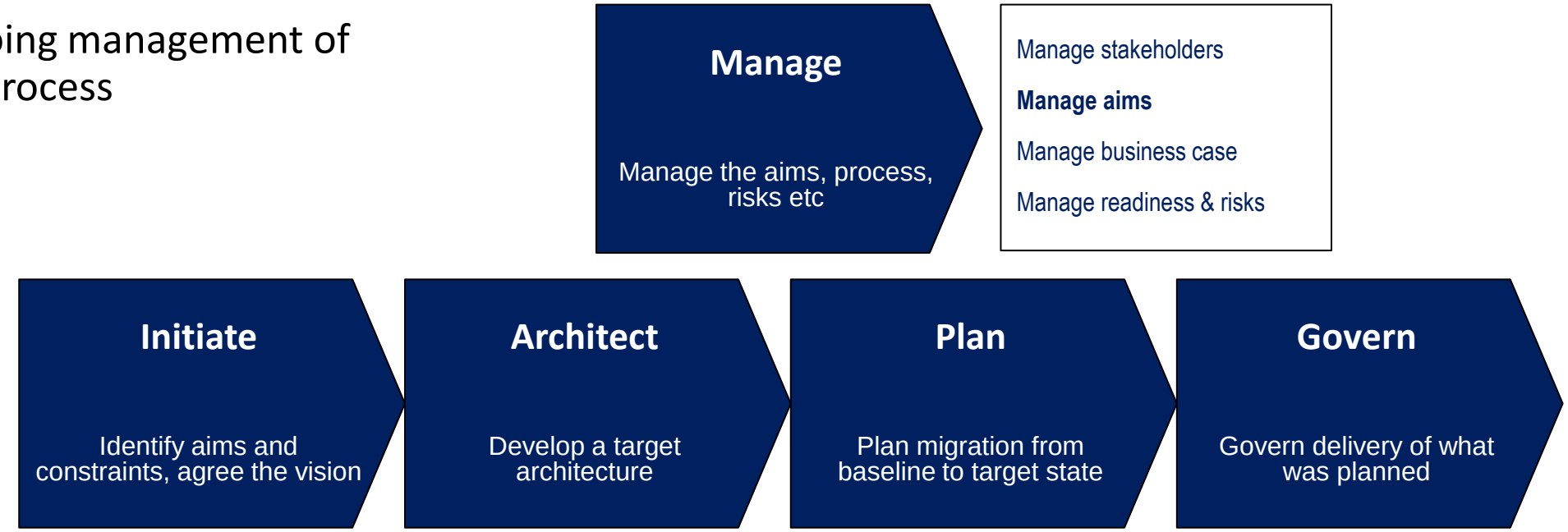
Manage aims

- Ongoing management of the process



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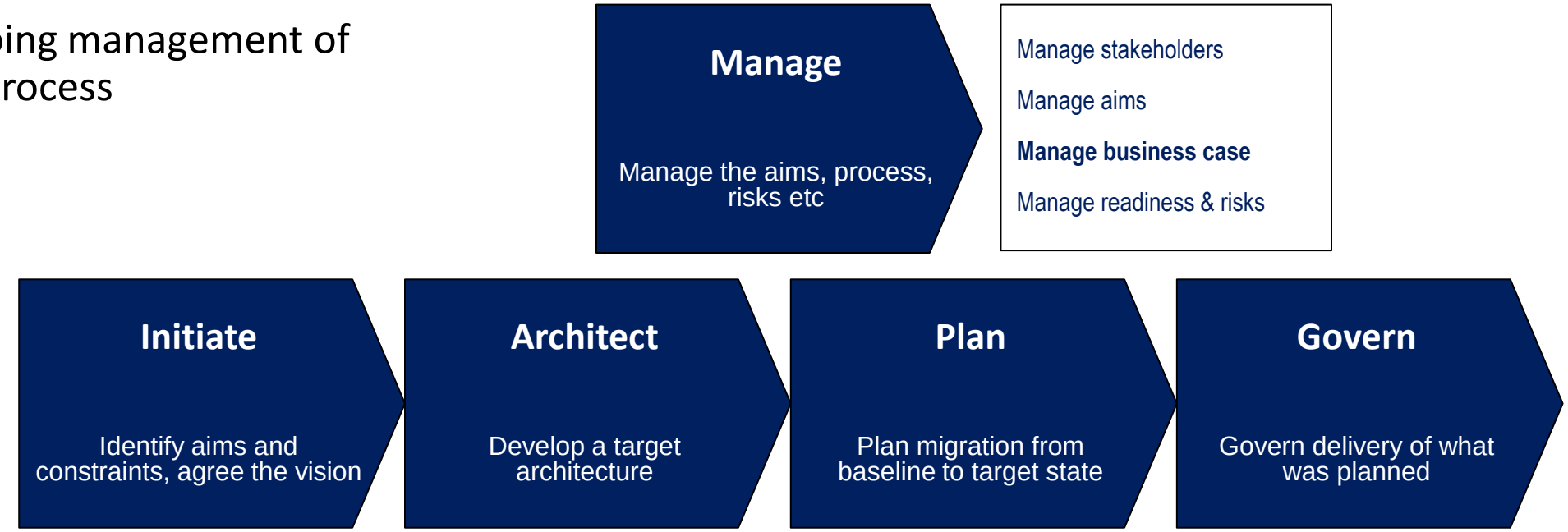
Manage business case

- Ongoing management of the process



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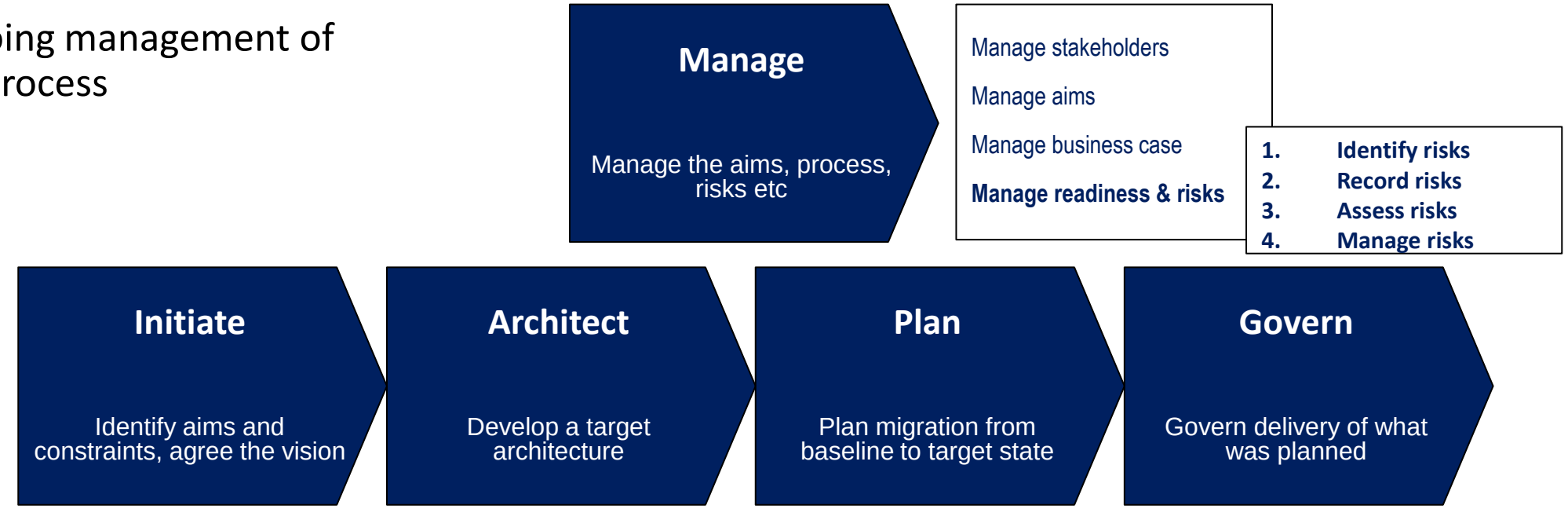
Manage readiness & risks

- Ongoing management of the process



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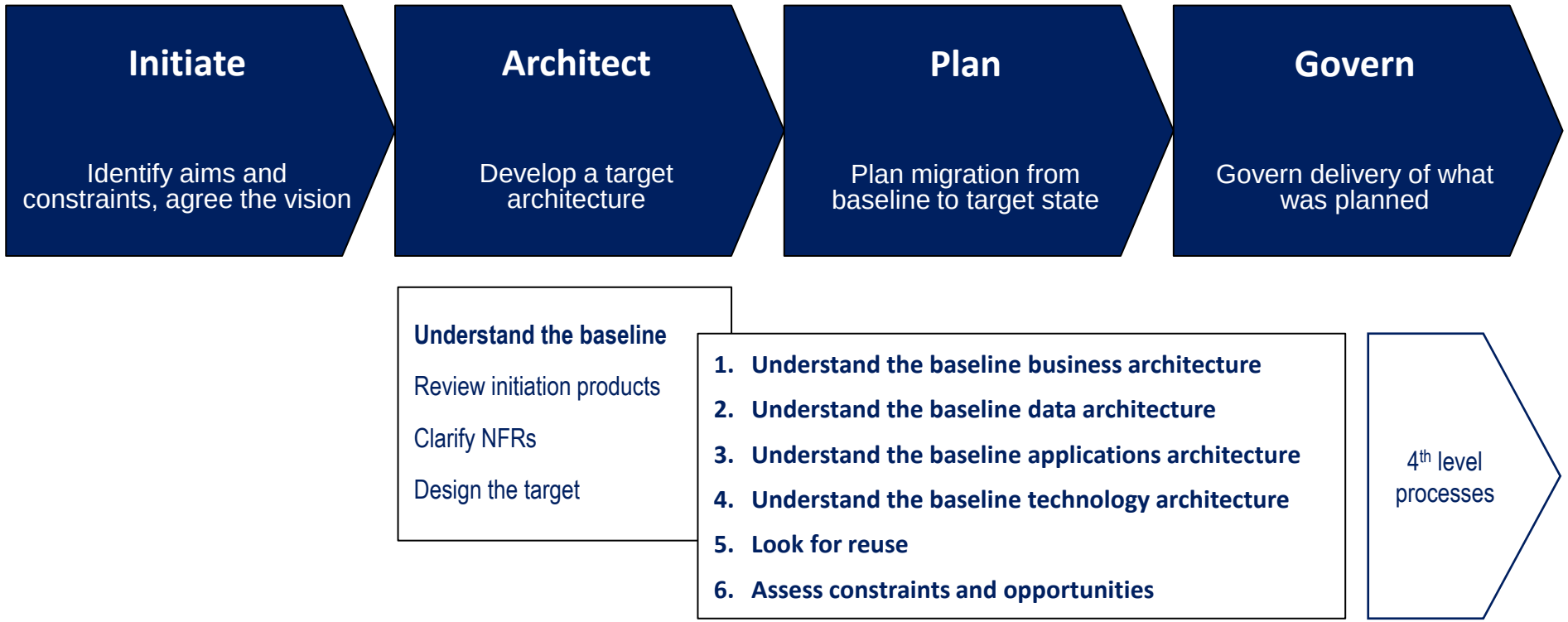
Training days 2 and 3

Reference Model sections 4-9

Understand the baseline



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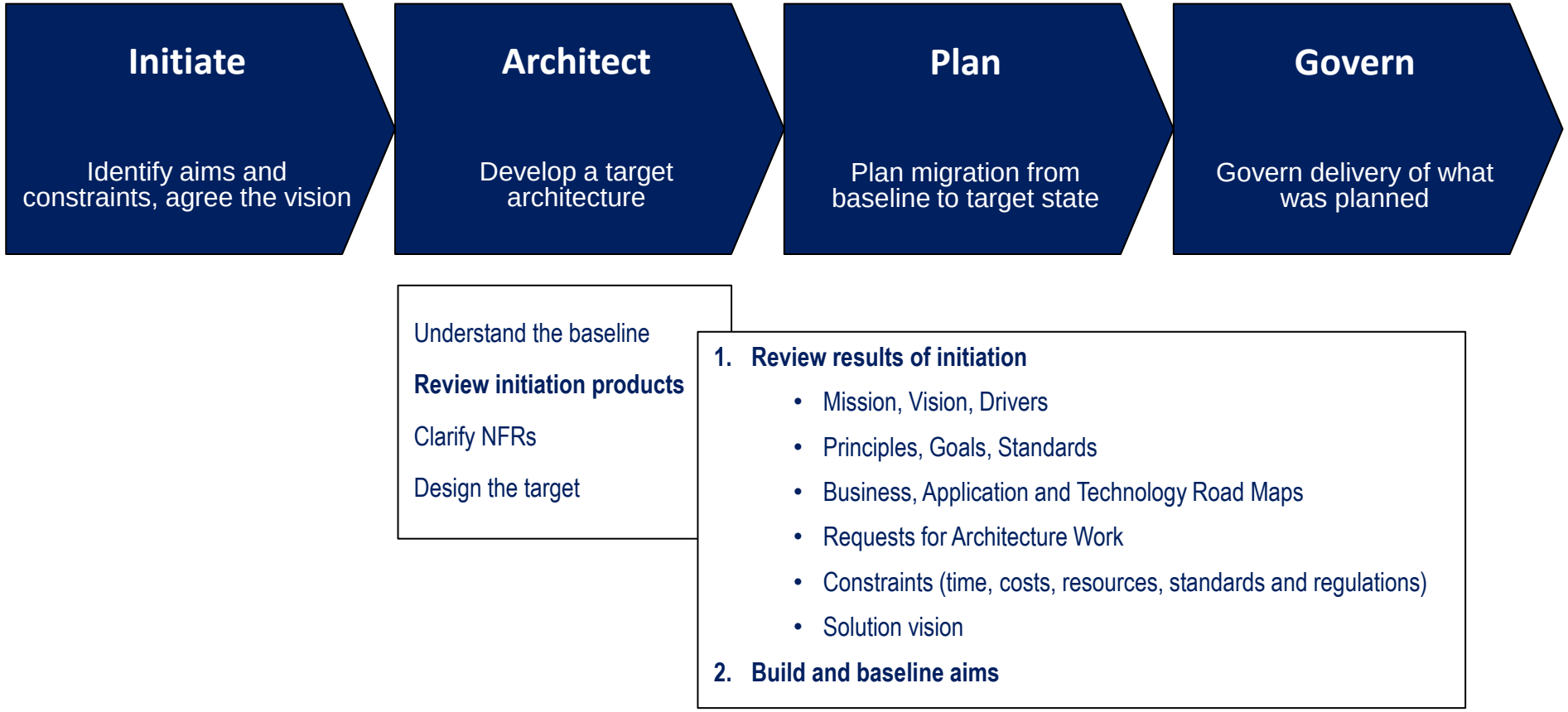
Review initiation products



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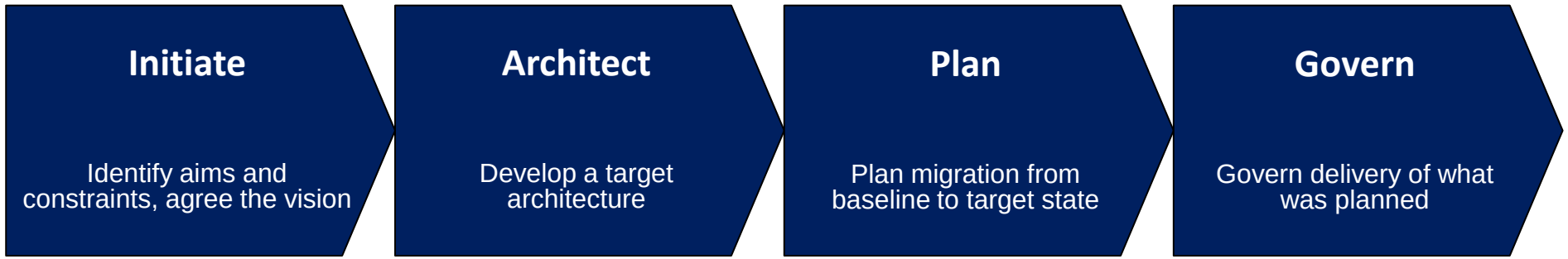
Clarify NFRs



Understand the baseline

Review initiation products

Clarify NFRs

Design the target

1. **Set target measures with flexibility**
   - Performance (timings and volumes of business done)
   - Availability (derived from Reliability and Recoverability)
   - Integrity, Security, Scalability, Serviceability
   - Usability, Maintainability, Portability, Interoperability, Extensibility
2. **Assess business & IT readiness**
3. **Assess non-functional risks**

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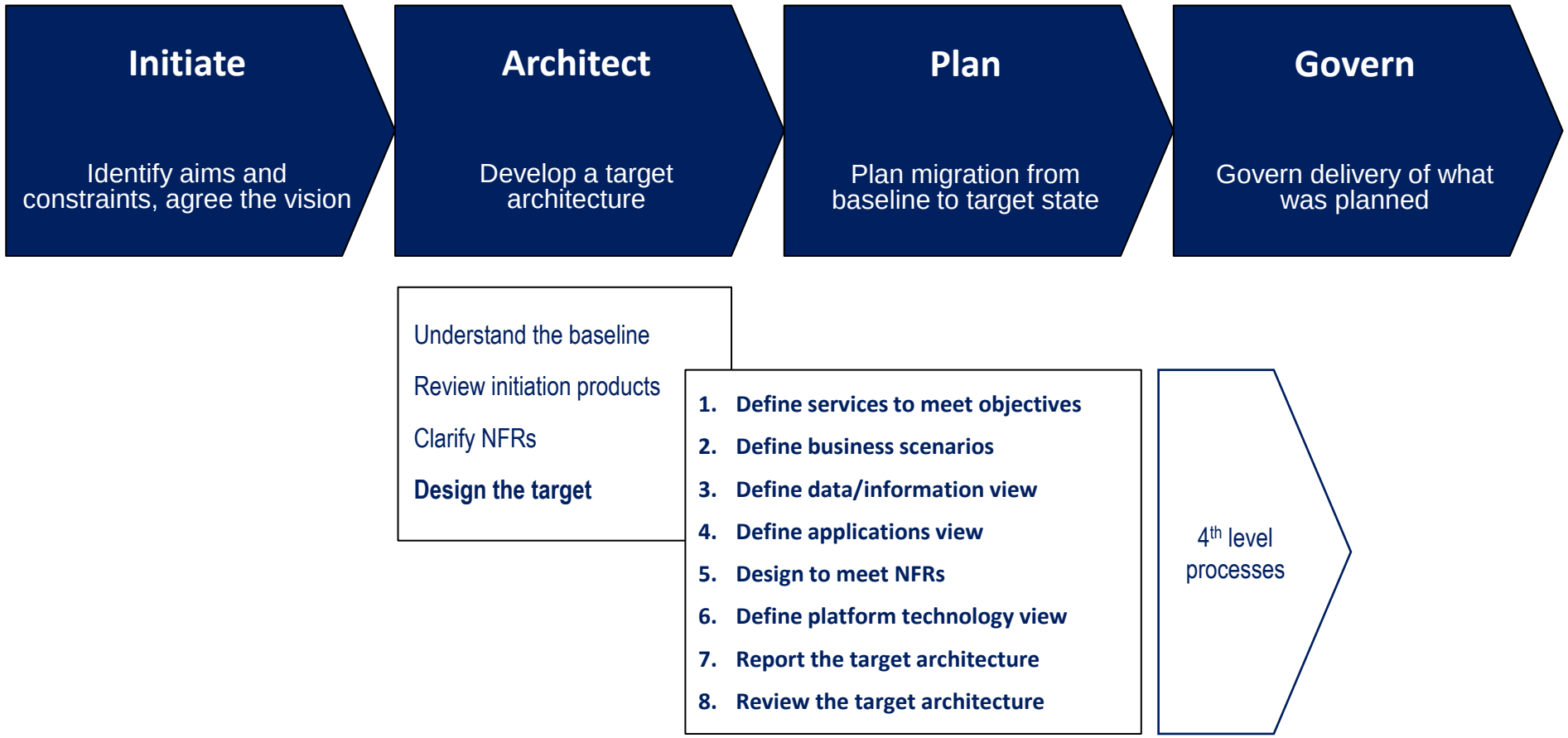
Training days 2 and 3

Reference Model sections 4-9

Design the target



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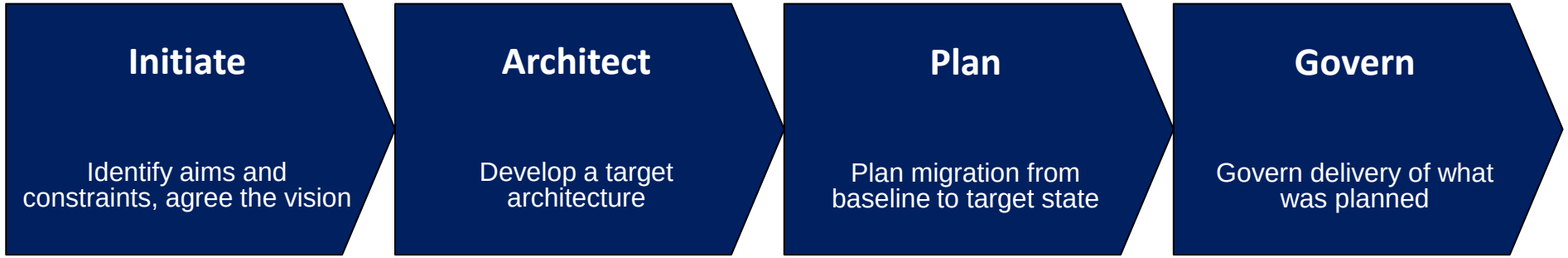
Select and manage suppliers



May be done at an earlier stage

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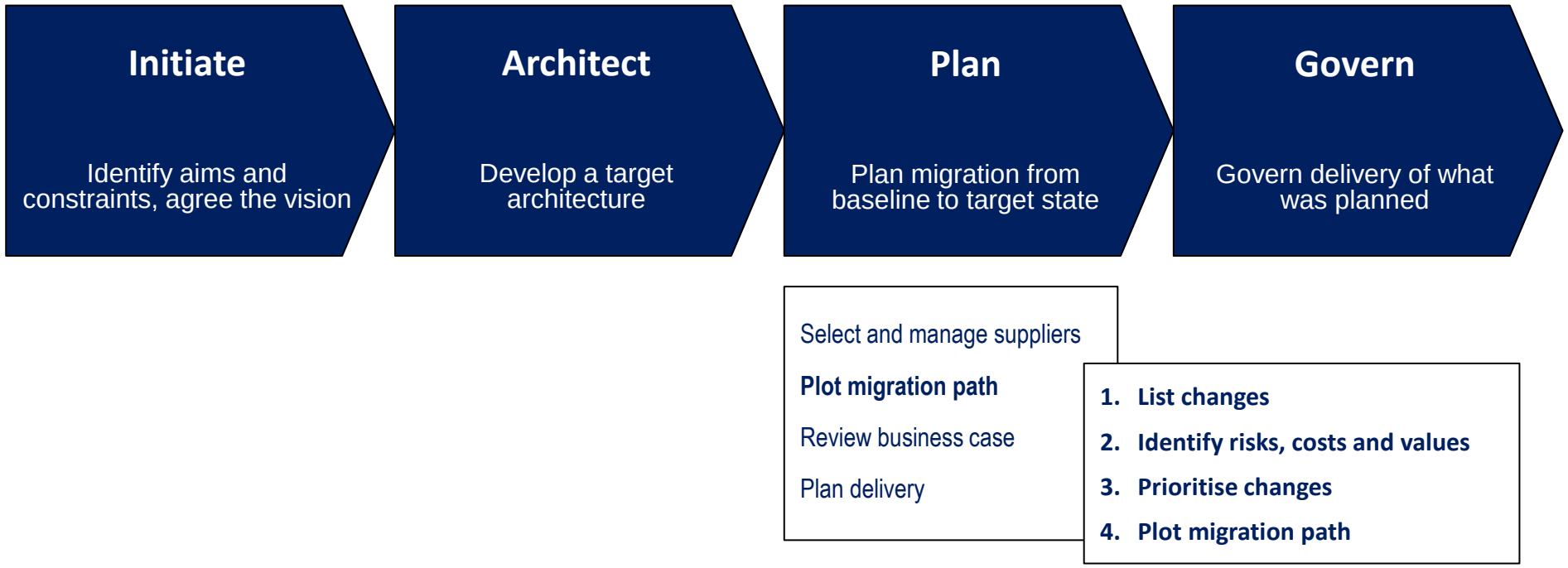
Plot migration path



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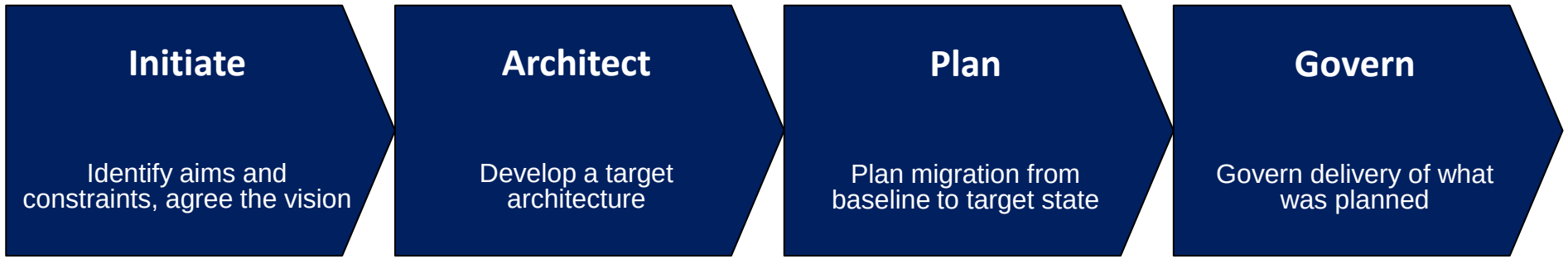
Review business case



Select and manage suppliers

Plot migration path

Review business case

Plan delivery

1. **Analyse solution or solution options**
   - **costs and benefits**
   - **risks**
   - **gaps between options**
   - **trade offs between option qualities**
2. **Confirm chosen option**

4th level processes

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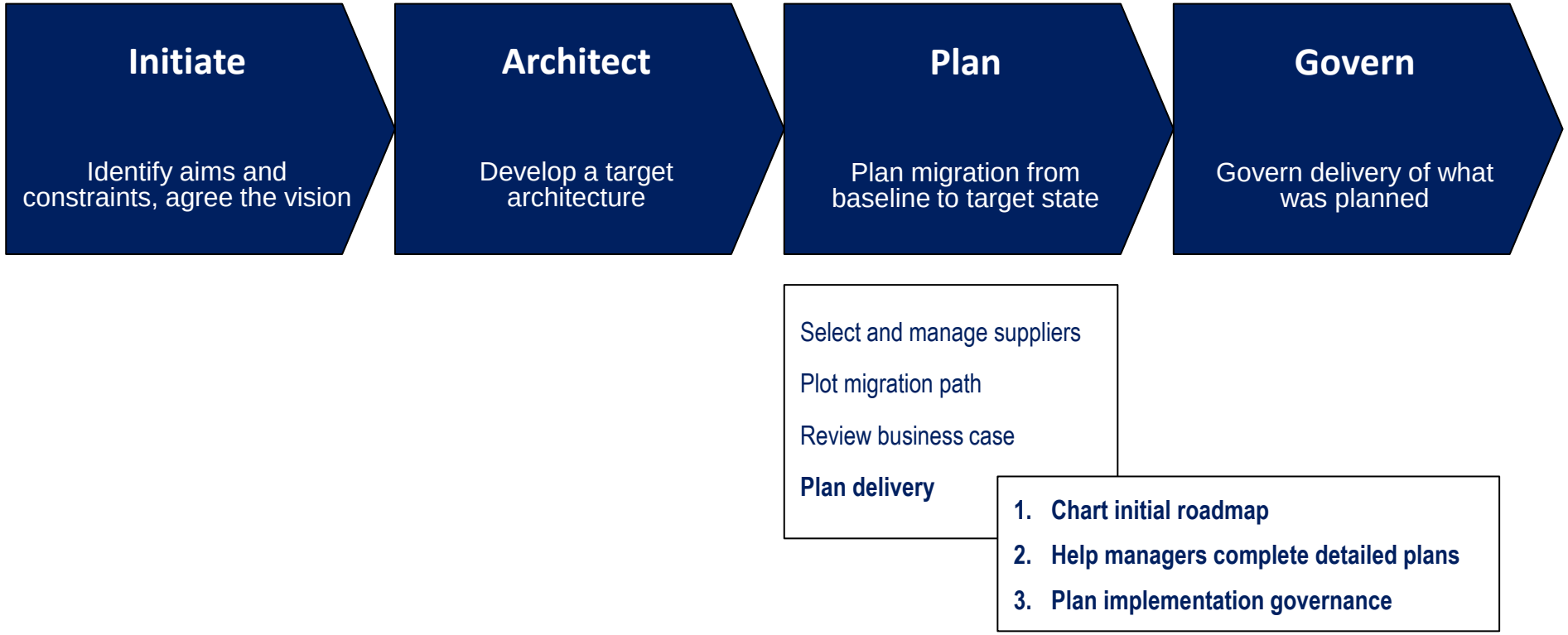
Plan delivery



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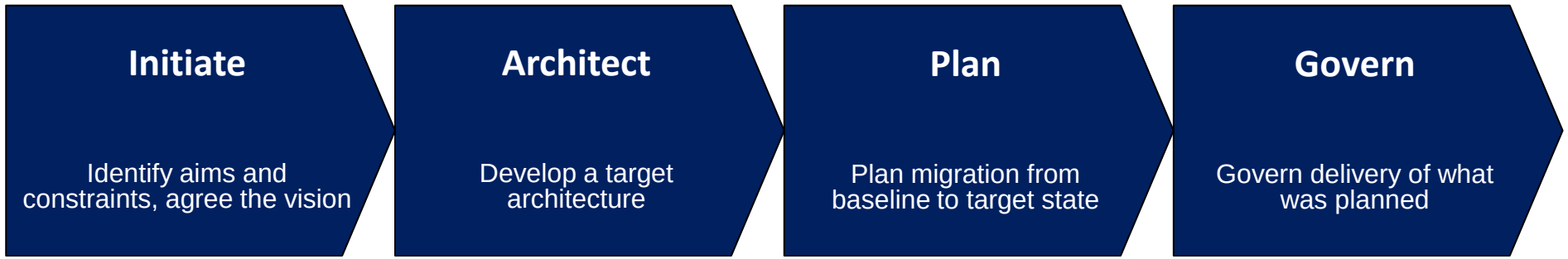
Hand over to delivery



Hand over to delivery

Govern delivery

Monitor the portfolio(s)

Respond to oper'l change

1. **Collect relevant docs**
2. **Assess project suitability for agile development methods**
3. **Agree subsequent engagement**

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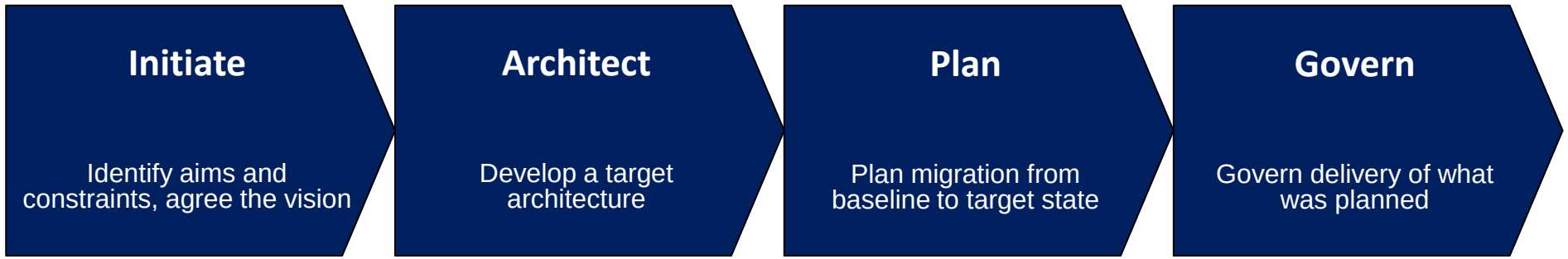
Govern delivery



Hand over to delivery

Govern delivery

Monitor the portfolio(s)

Respond to oper'l change

1. **Share governance expectations**
2. **Schedule a review**
3. **Prepare for review**
4. **Carry out review**
5. **Report results**

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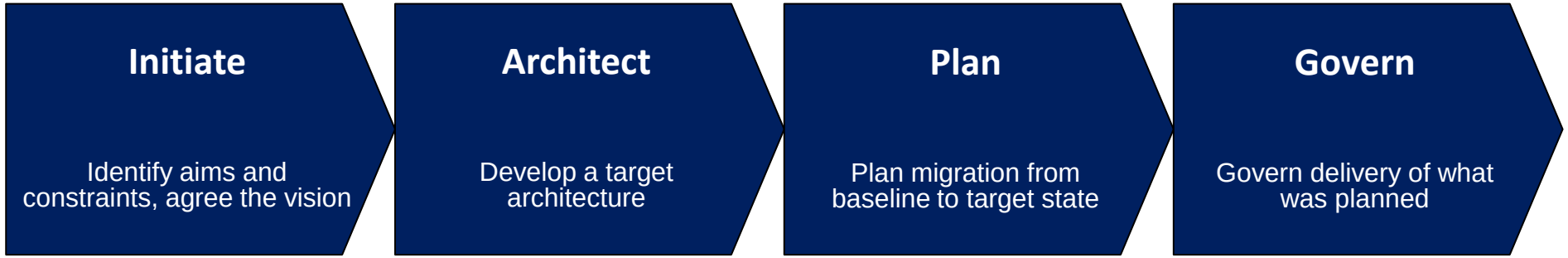
Monitor the portfolio(s)



Hand over to delivery

Govern delivery

Monitor the portfolio(s)

Respond to oper'l change

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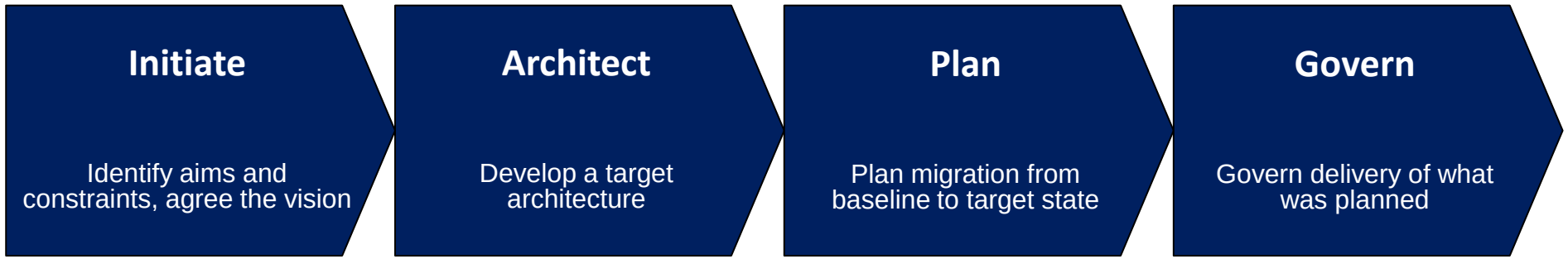
Respond to operational change



Hand over to delivery

Govern delivery

Monitor the portfolio(s)

Respond to oper'l change

Identify sources of change

---

1. **Identify potential change**
2. **Analyze change request**
3. **Evaluate and control the change**
4. **Plan the change effort**
5. **Implement change**
6. **Release review and close change**

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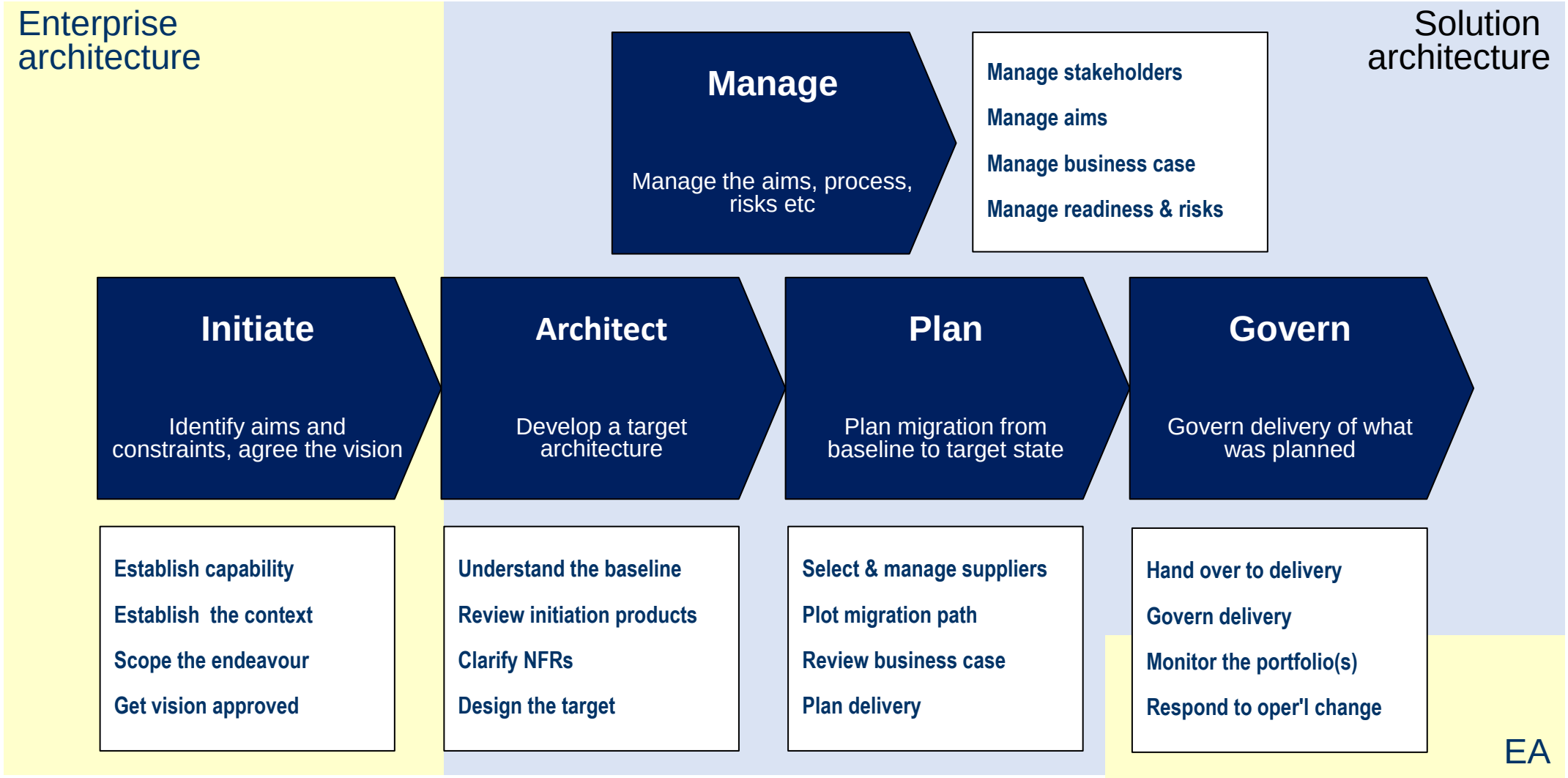
A naive EA/SA division (the reality is more complex)



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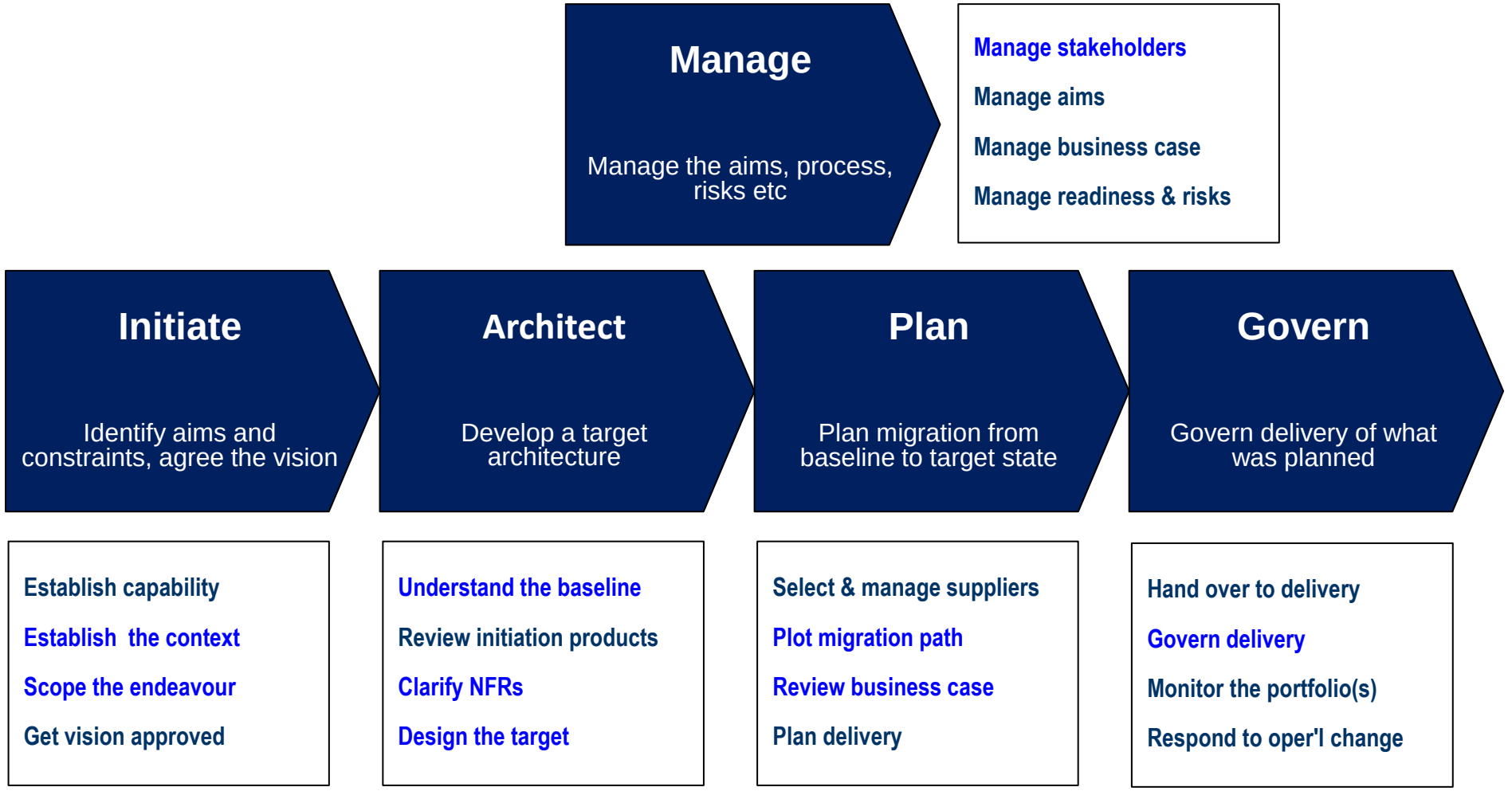
Our ESA course focuses particularly on…



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