I rest my (business) case

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Contents

- **Target audience**
- **What is the issue?**
- **Why there is an issue?**
- **Explaining the approach**

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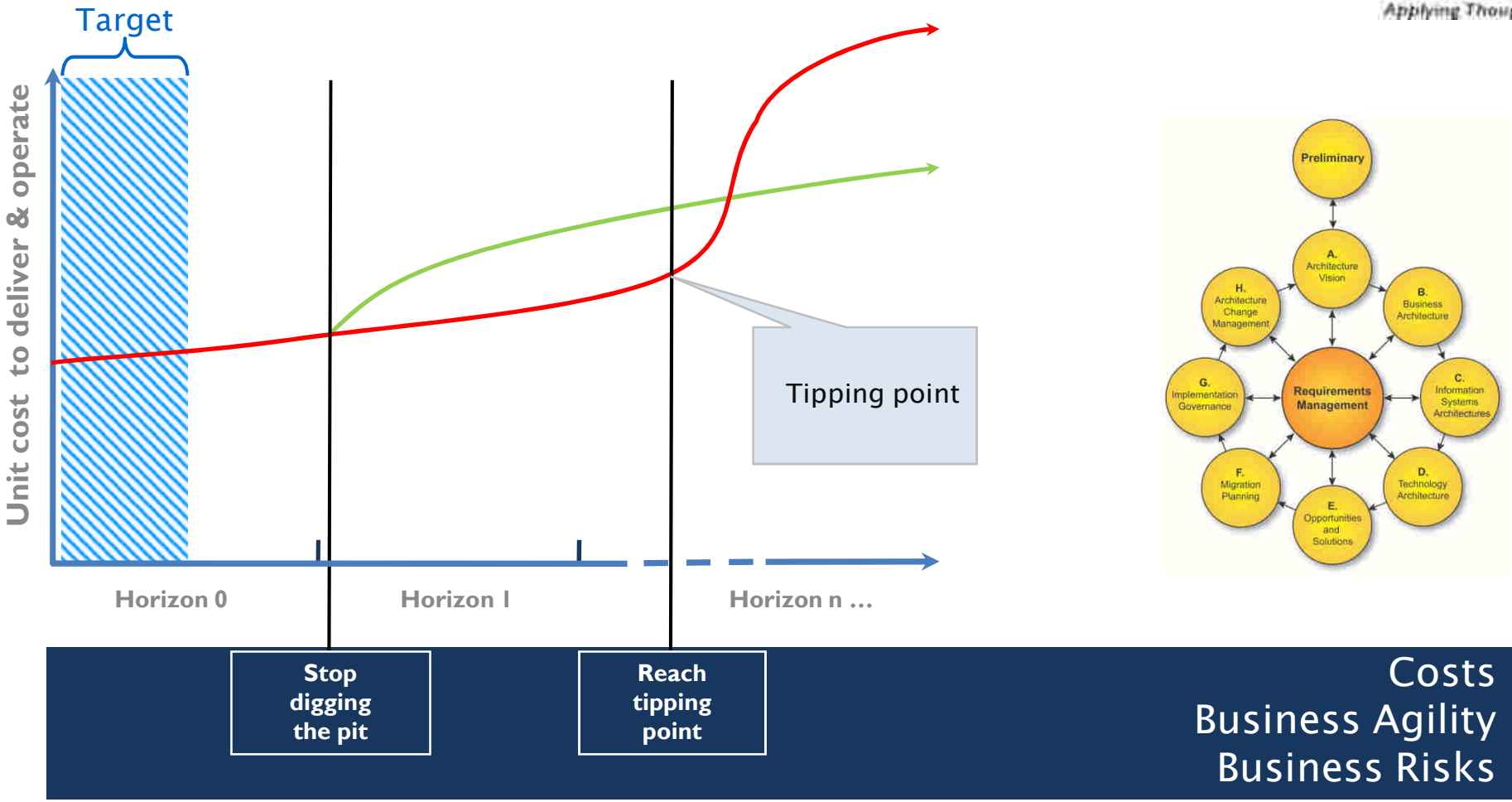
Target audience



Legend:: **Do nothing** **Transform**

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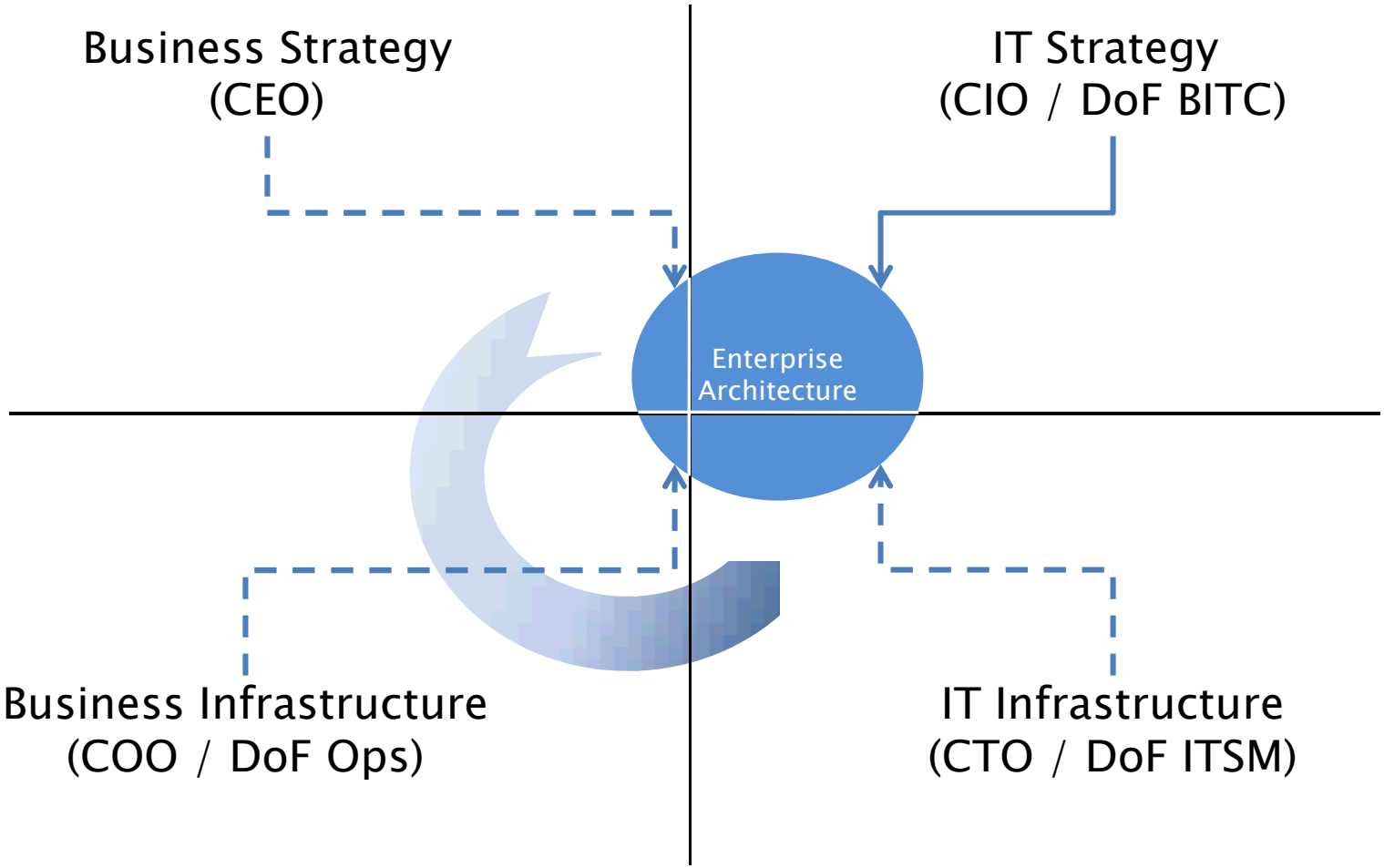
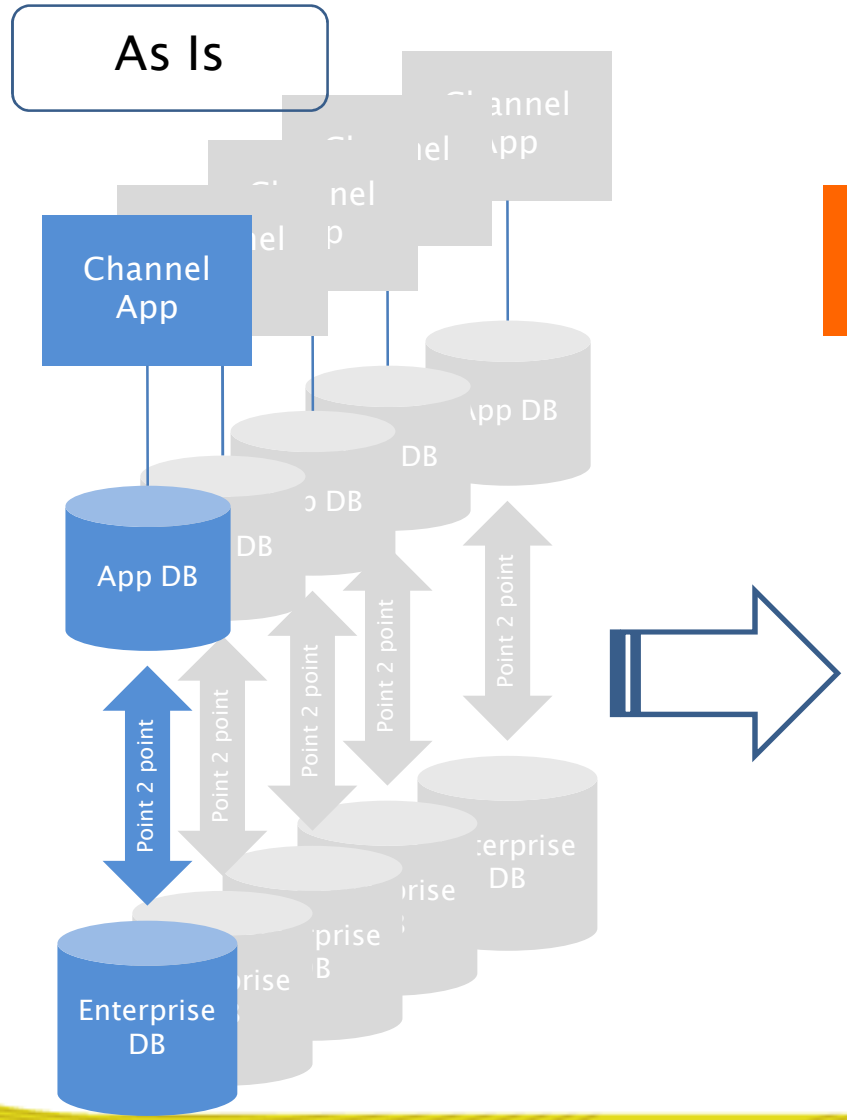
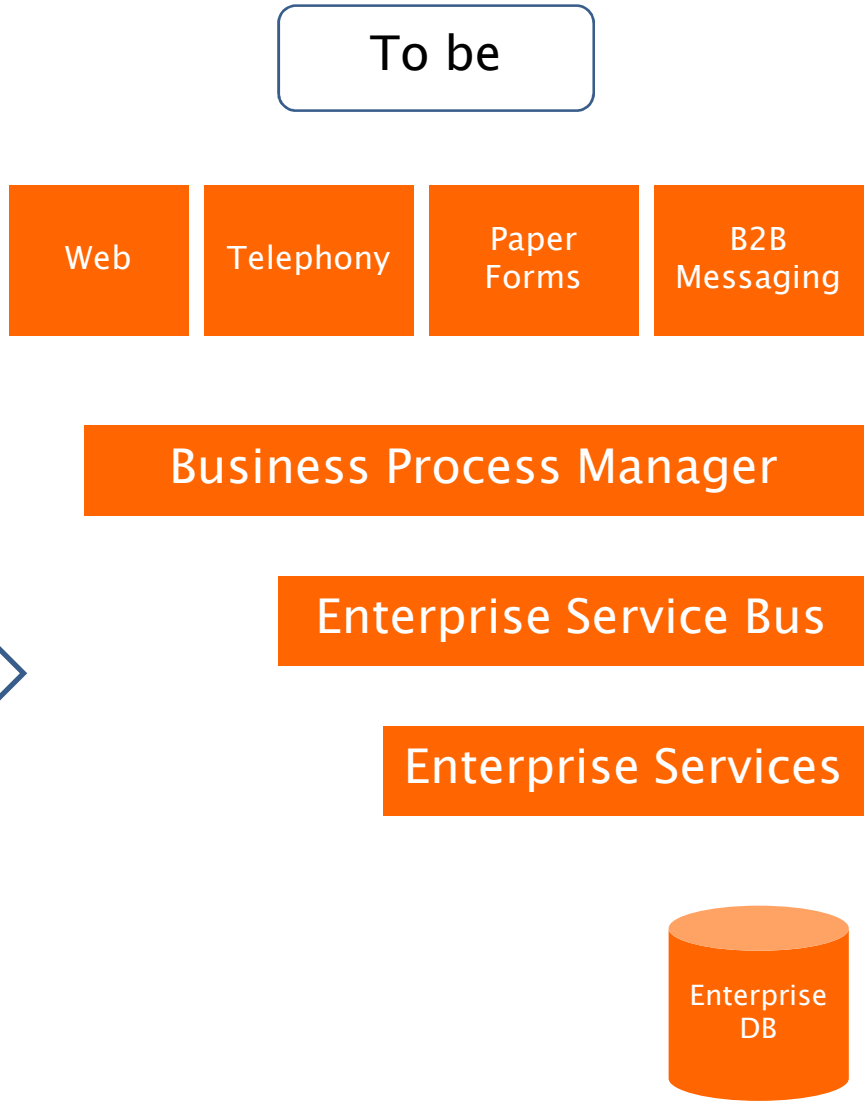
How IT change happens?



BITC – Business & IT Change, ITSM – IT Service Management, Ops – Business Operations

Information systems architecture divergence





Effects of divergence

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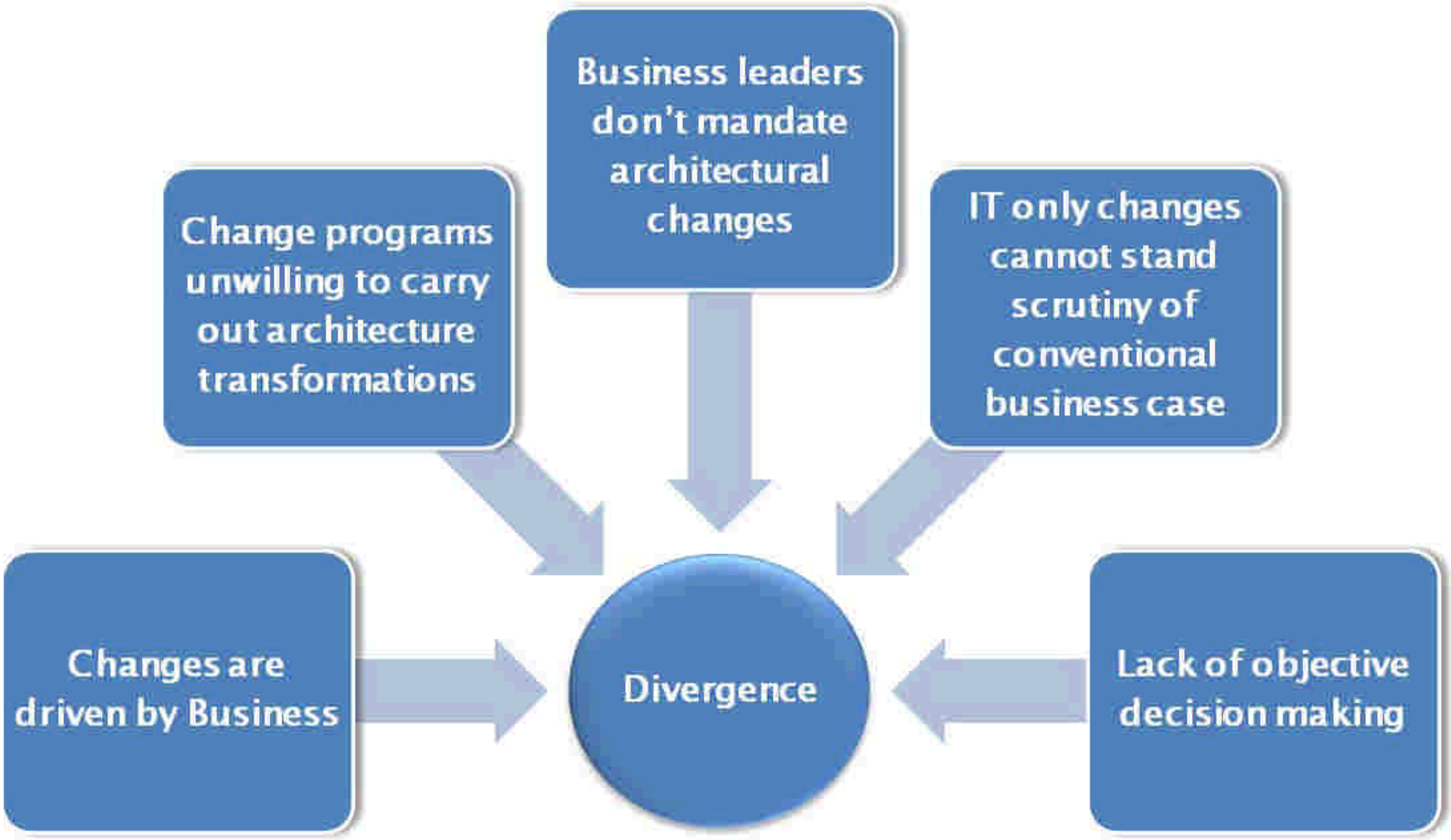
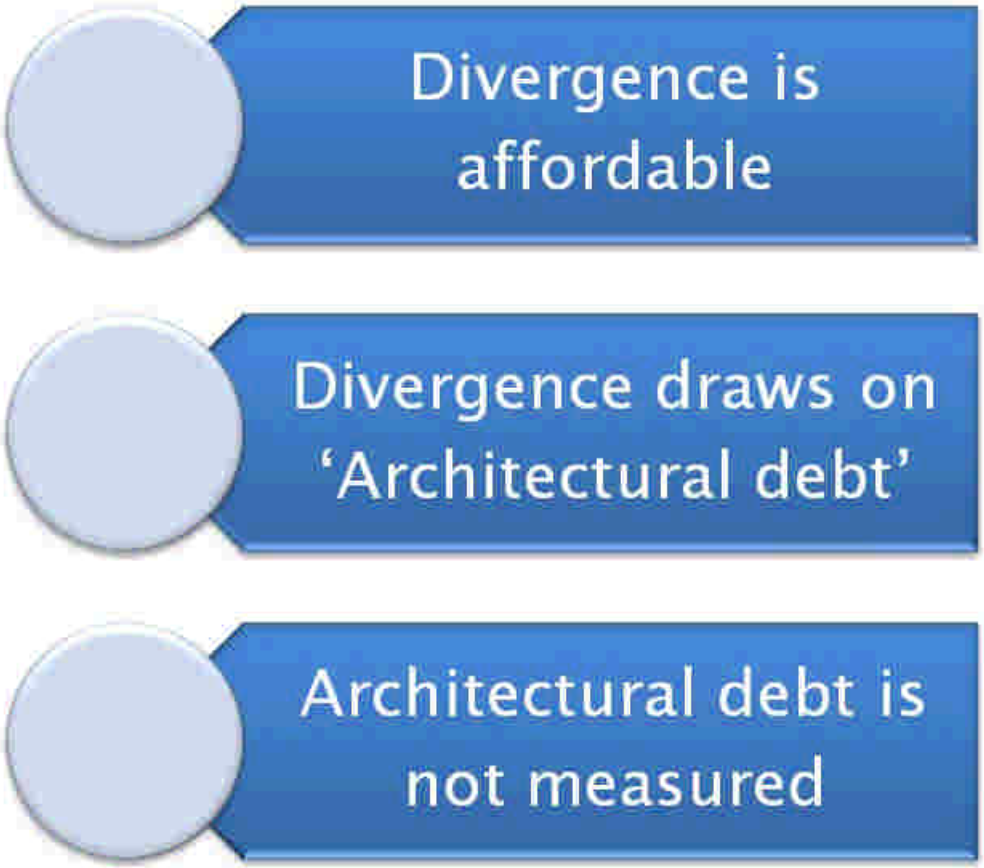
Why there is an issue?



Why divergence is encouraged



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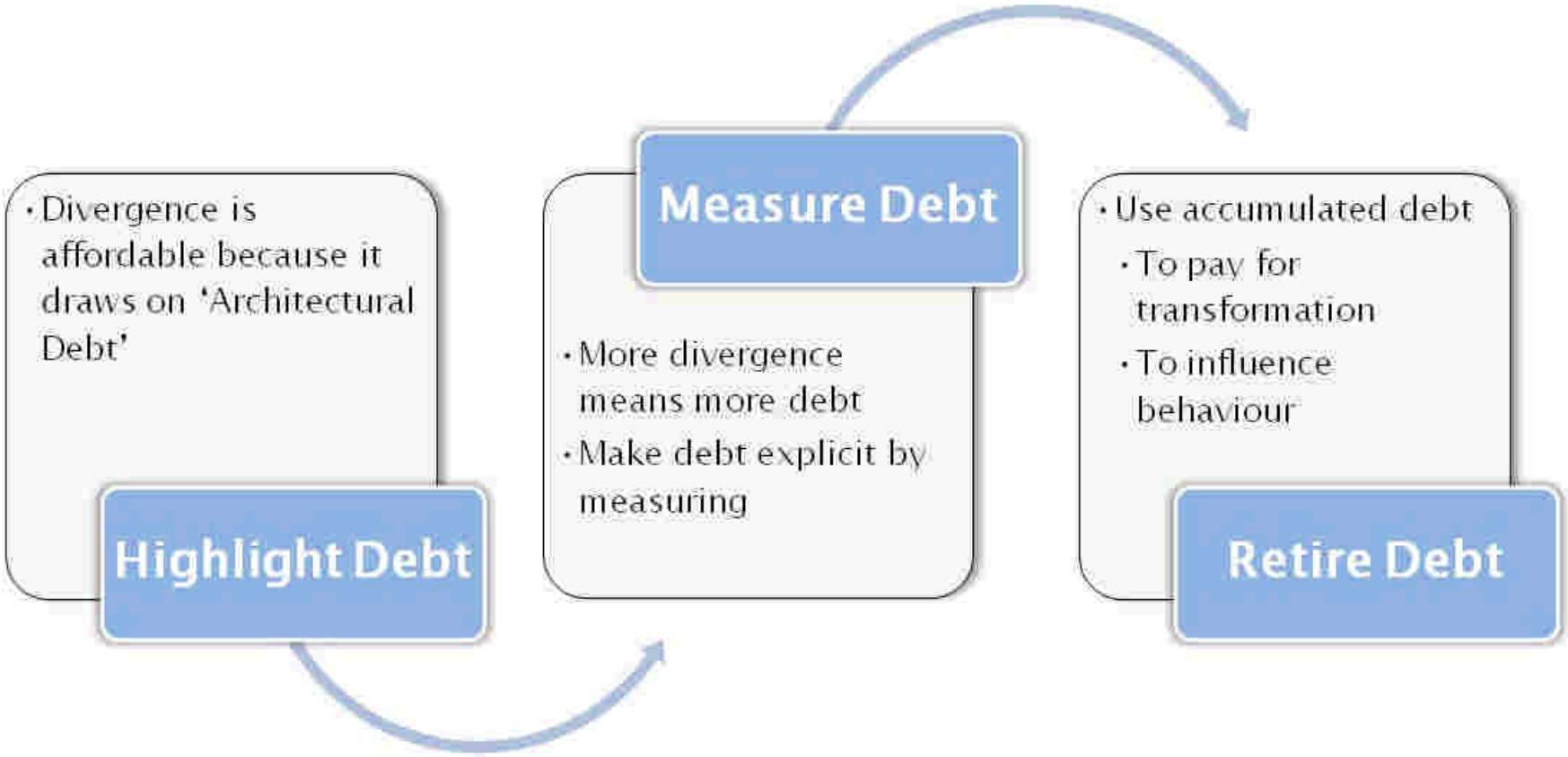
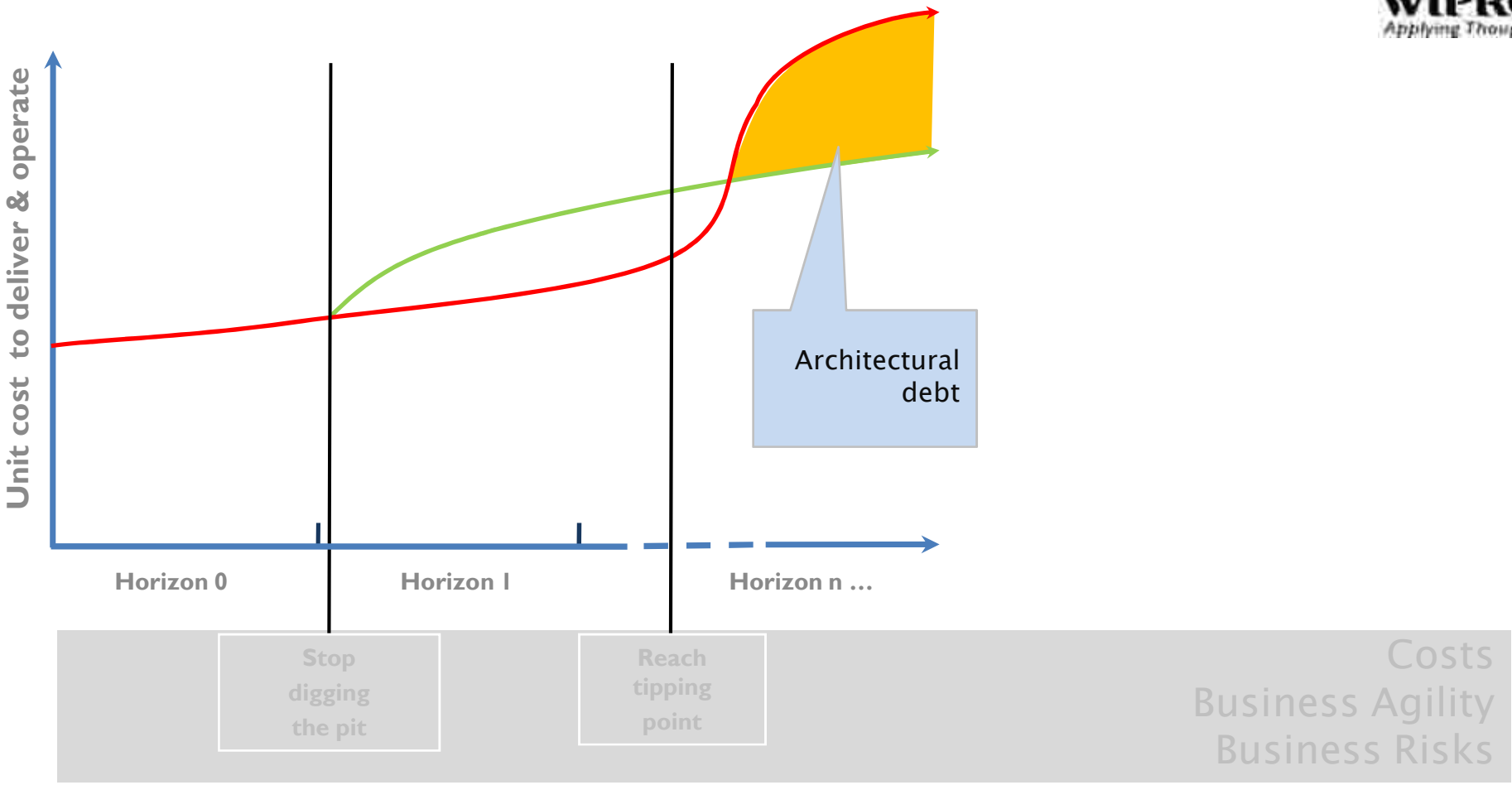
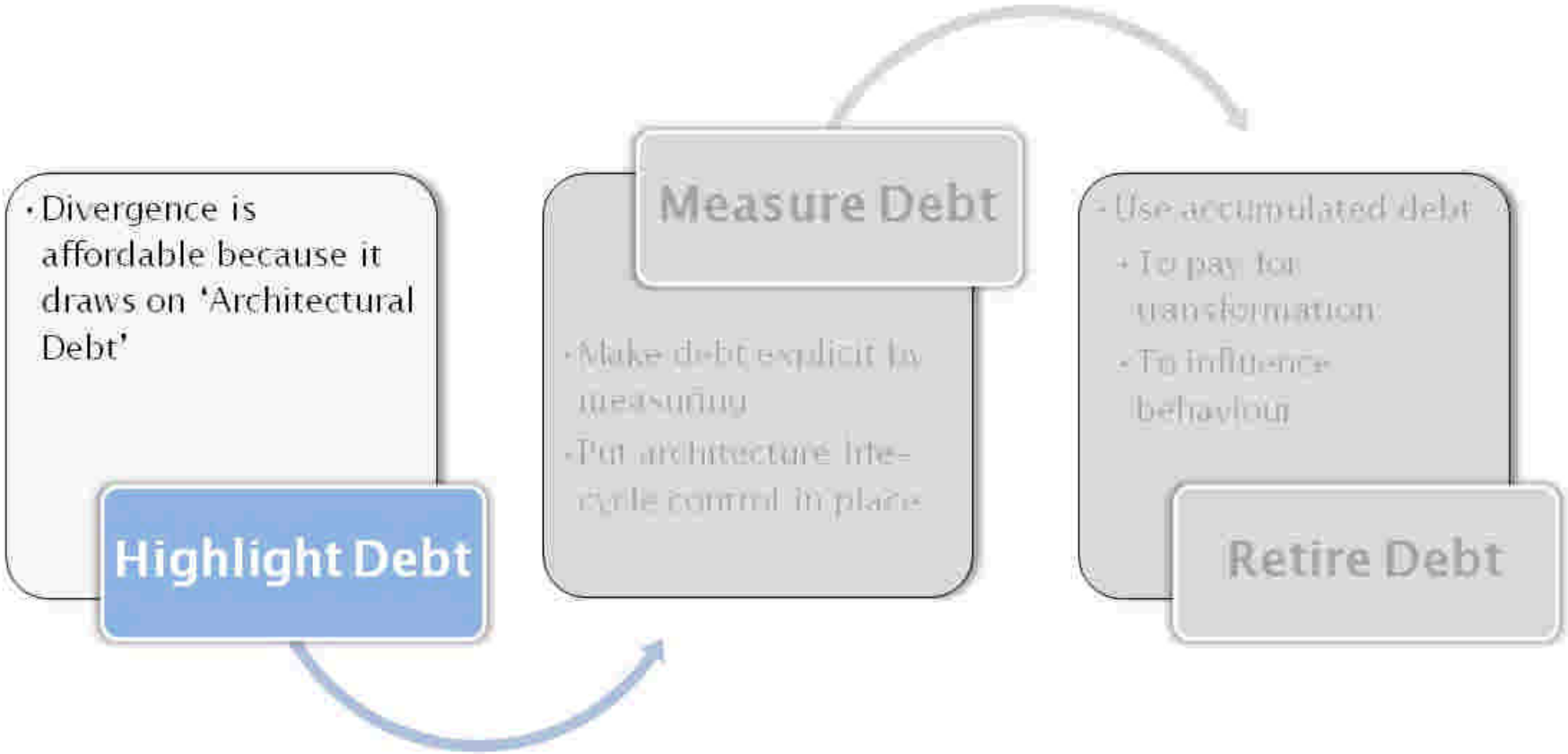
Explaining the approach



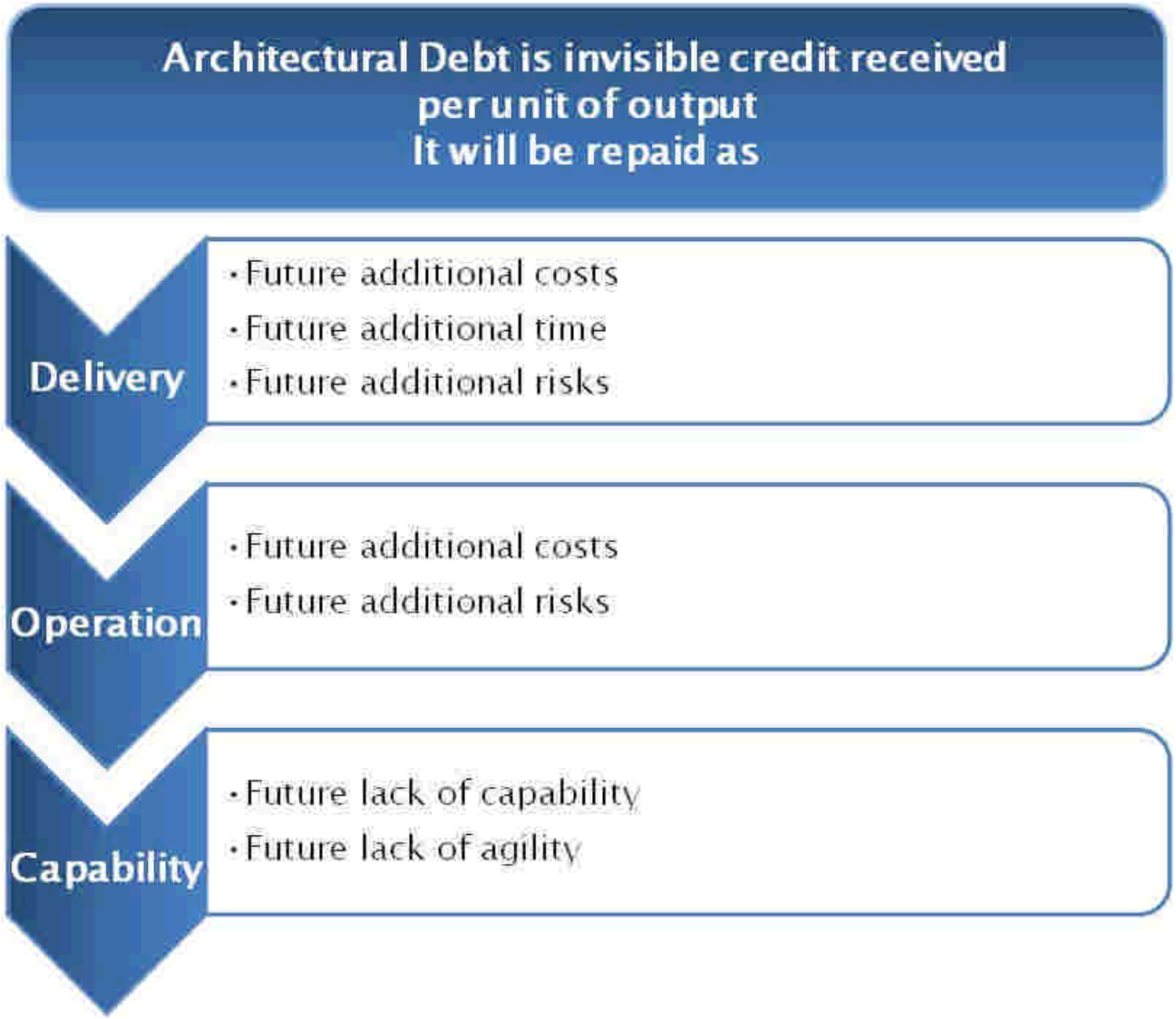
Architectural debt



Explaining the approach



What is it?



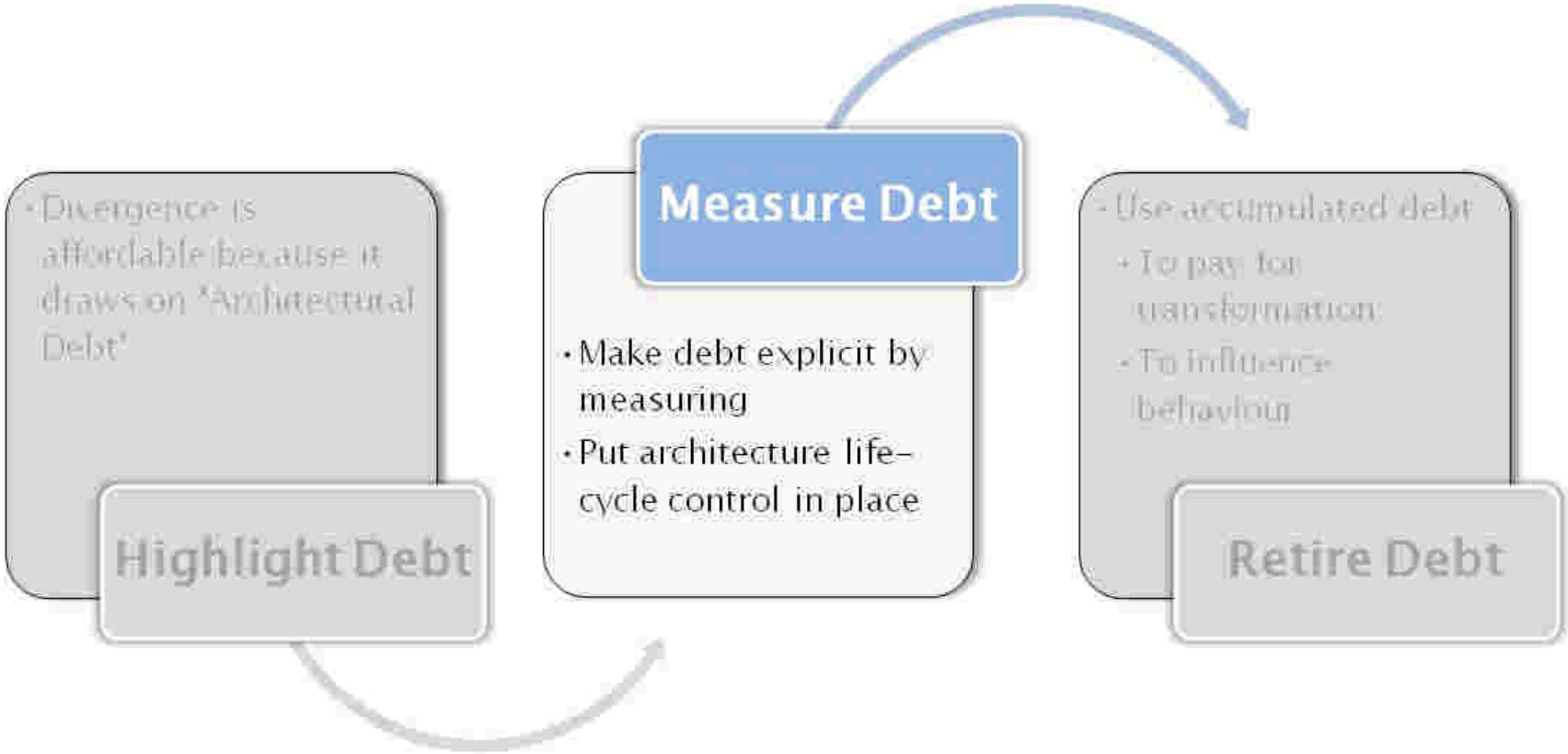
What is it? (contd.)

E.G. Divergence from information systems and technology architecture

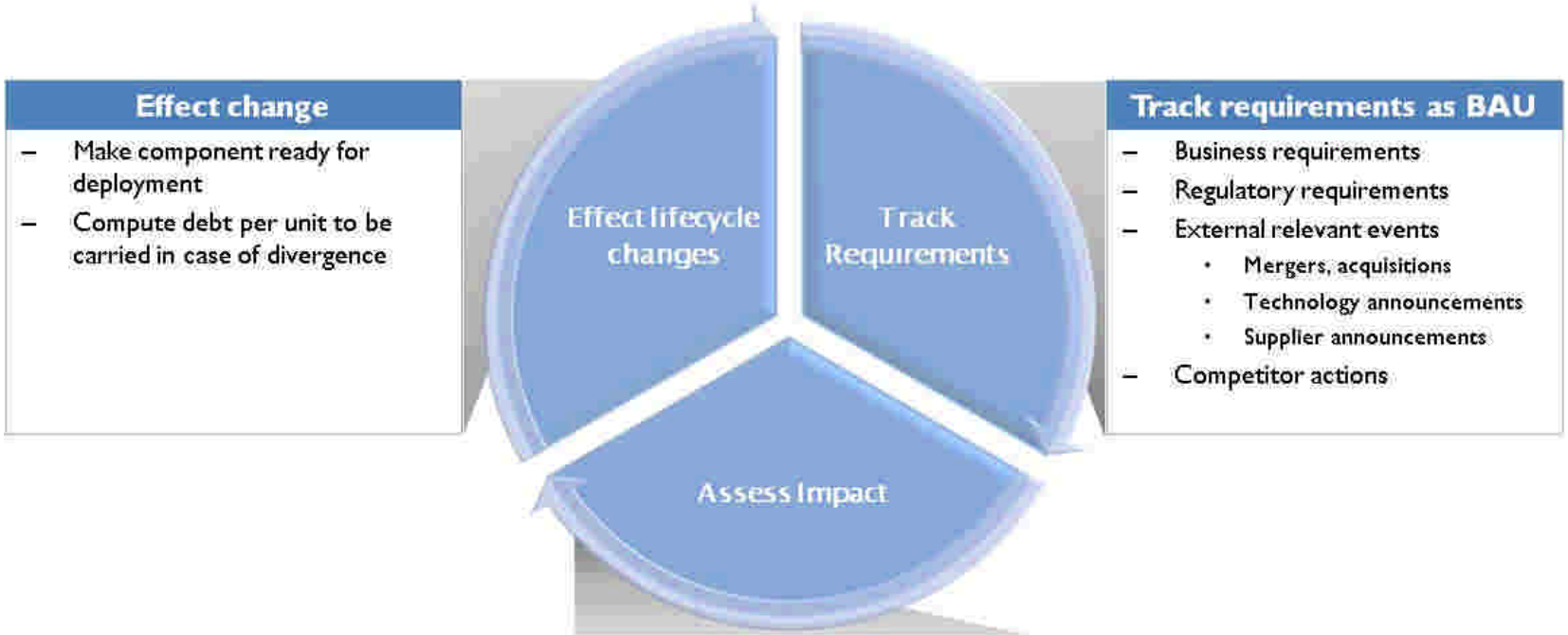
- Impacts in terms of
  - Development costs
  - Development efforts
  - Integration costs
  - Integration efforts
  - Regression testing costs
  - Regression testing efforts
  - Potential migration costs
  - Potential migration efforts

- Impacts operation
  - Capacity enhancement costs
  - Risk response (BCP, DR) costs

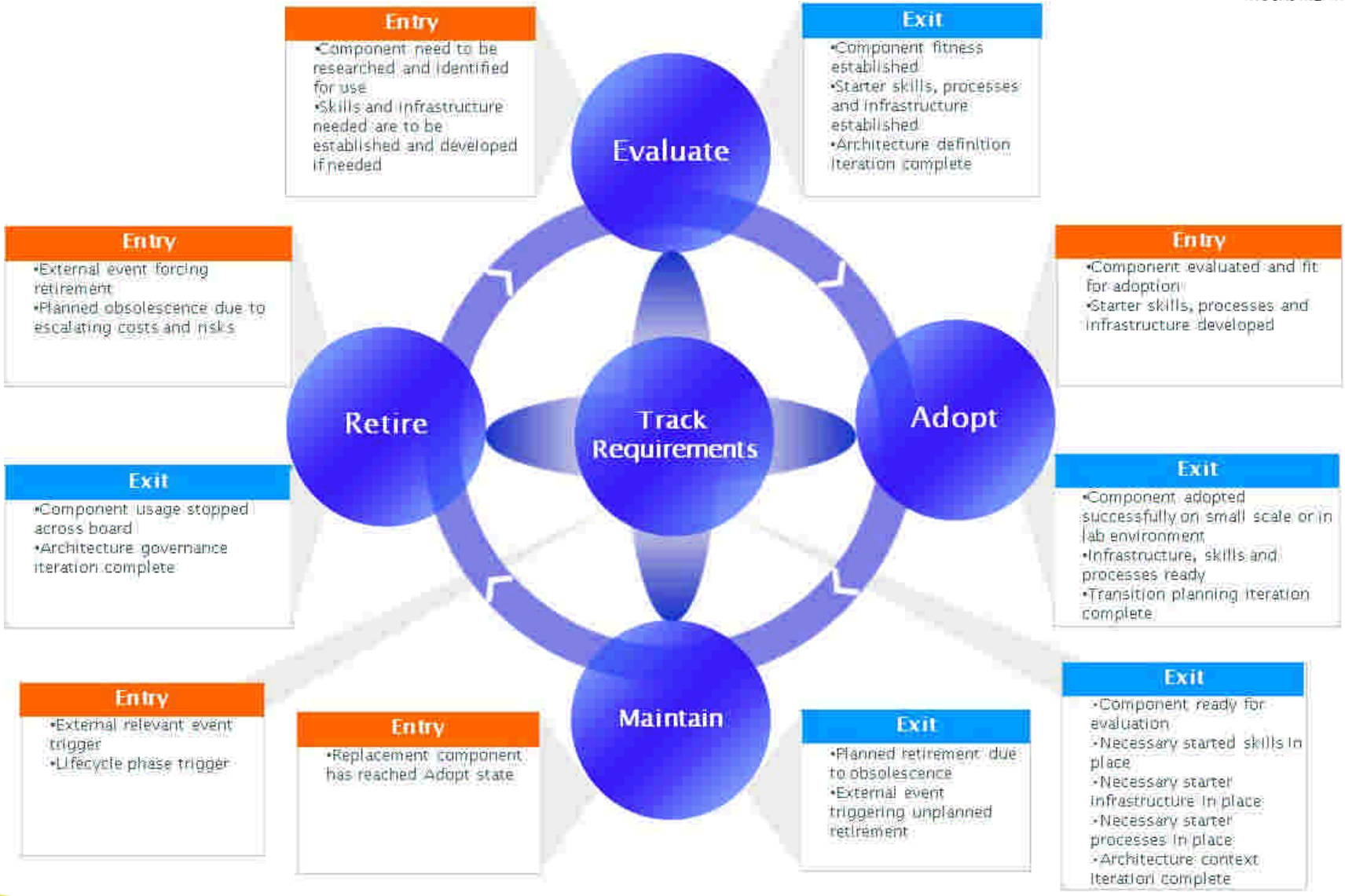
Explaining the approach



Architecture life-cycle control



Architecture component's lifecycle



Business cases without and with debt

Compliant / Conformant

- Delivery
  - Build effort
  - Quality Assurance effort
  - Change management effort
  - Infrastructure

  +
- Operation
  - Infrastructure
  - Support effort
  - Maintenance effort
  - Risk mitigation

Divergent

- Delivery

  +
- Operation

  +
- Replacement
  - Build effort
  - Execution effort
  - Quality assurance effort
  - Risk mitigation effort (in case of retired component)
  - Infrastructure
  - Effort due to impact from/onto other divergent components

How to measure size?

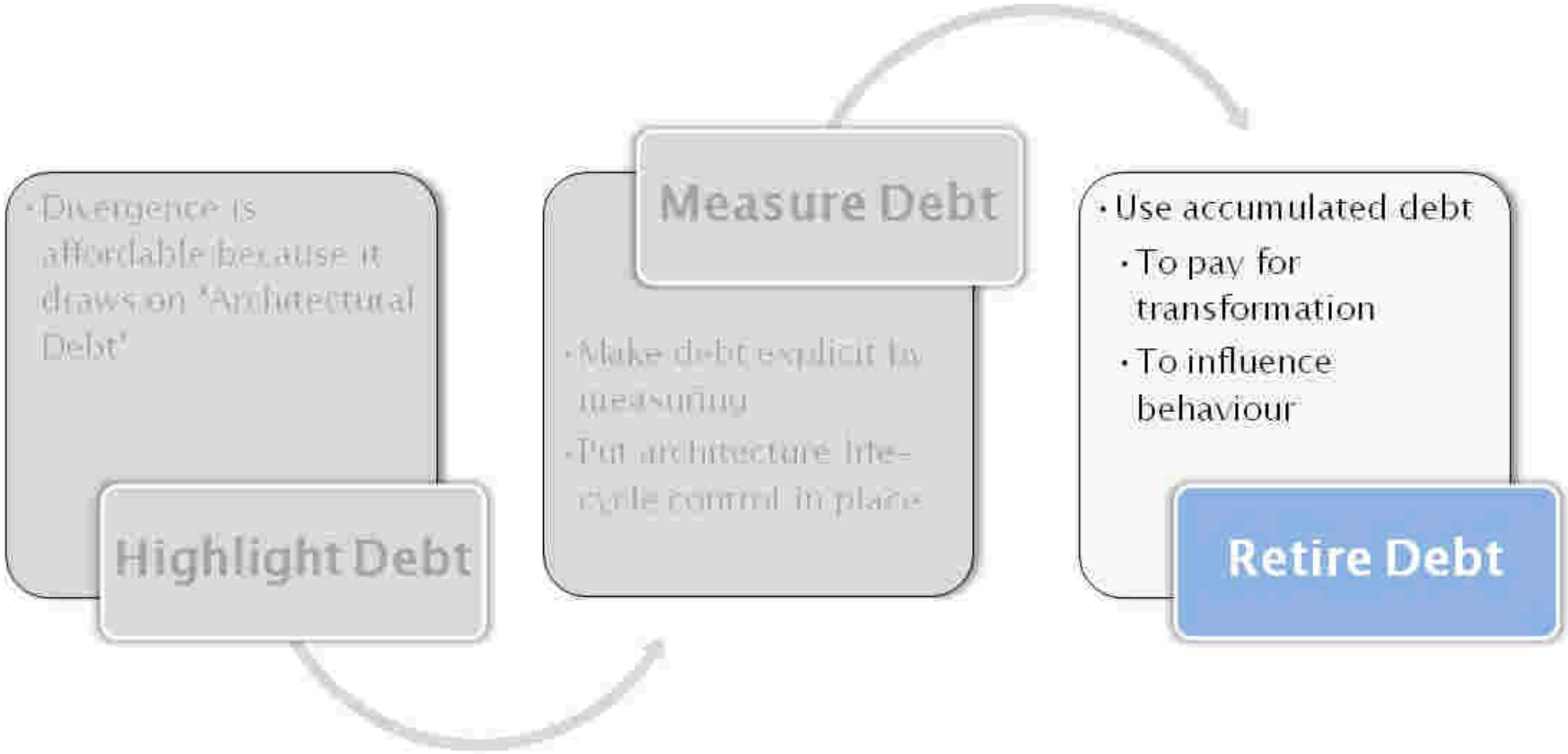
- Information system's change size can be calculated as normalised testable wants and needs for all stakeholders (users, operators, decision makers etc.)

- Complexity measure can be used to normalise the size

- User acceptance testing efforts gives an indication of complexity
  - Estimated test set up time
    - Configurations
    - Test data complexity
  - Estimated test execution time
  - Estimated test verification time

- Operational changes to be sized empirically as it is easier to estimate

Explaining the approach



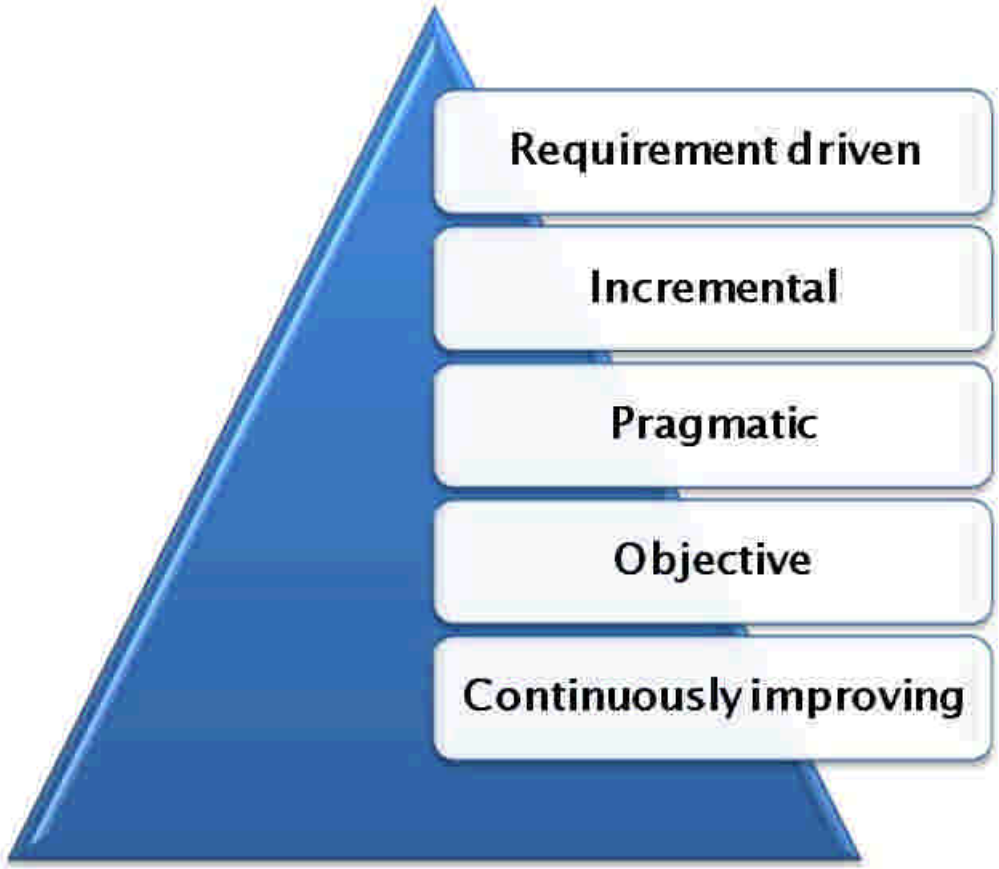
Retiring architectural debt

In case of divergence, future replacement costs to be paid into debt retirement pot (during delivery and operation)

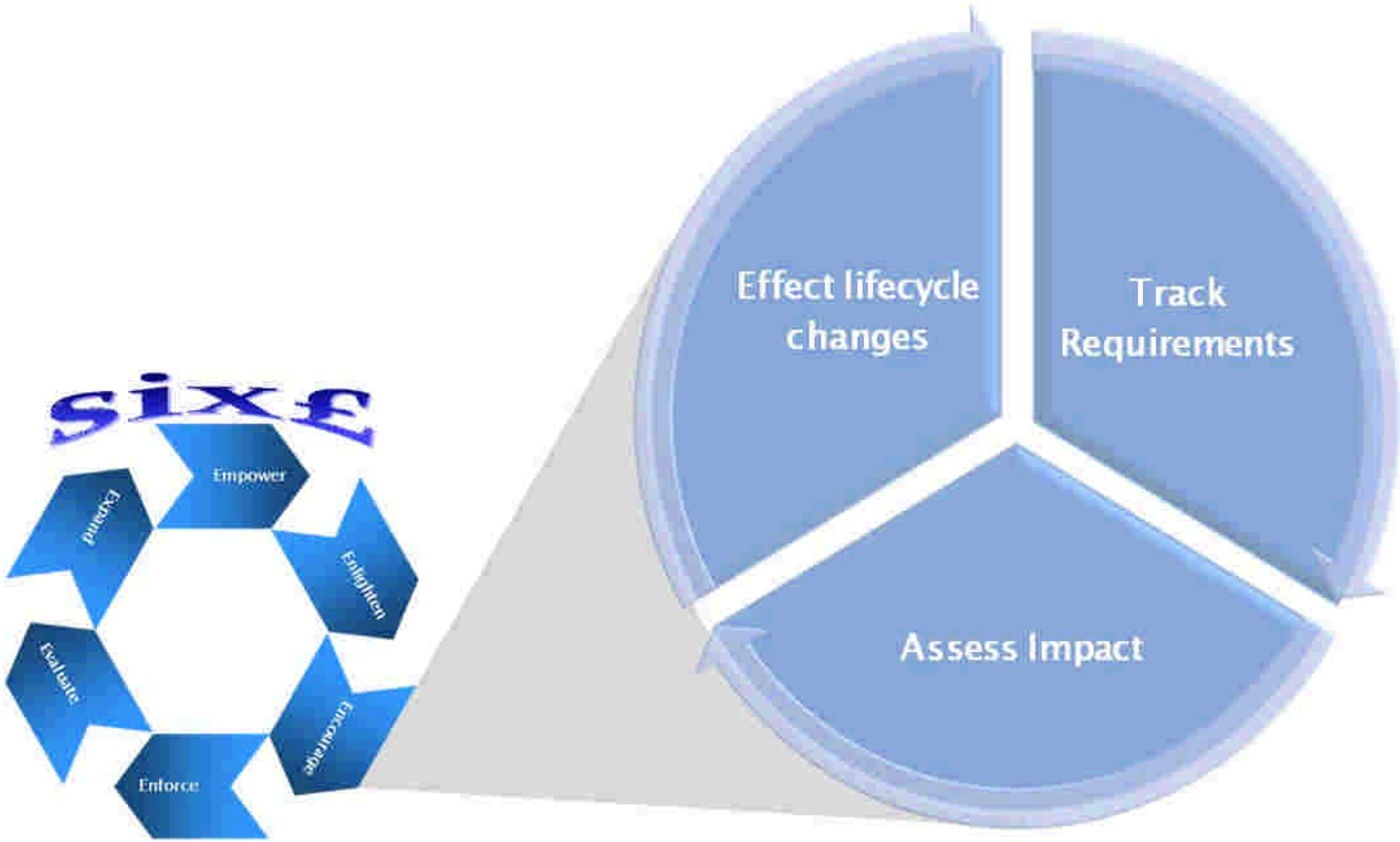
Accumulated debt retirement pot to be used to migrate non–compliant usage when it crosses fixed cost threshold

After migration Architecture component moved to 'Retired' state. All subsequent users will pay additional risk premium for usage of component, and pay even more to debt retirement pot.

Advantages of approach



SixE framework fit



WIPRO
Applying Thought

Thank You

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