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Testing Centre of Excellence

Myth or Reality

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Agenda

- » Understand business drivers for TCoE
- » Identify the building blocks of the TCoE
- » How to build the TCoE
- » Assessing TCoE against the Testing Lifecycle
- » Deploying the TCoE solution
- » Improving and expanding the service
- » Build the Business Case
- » Summary

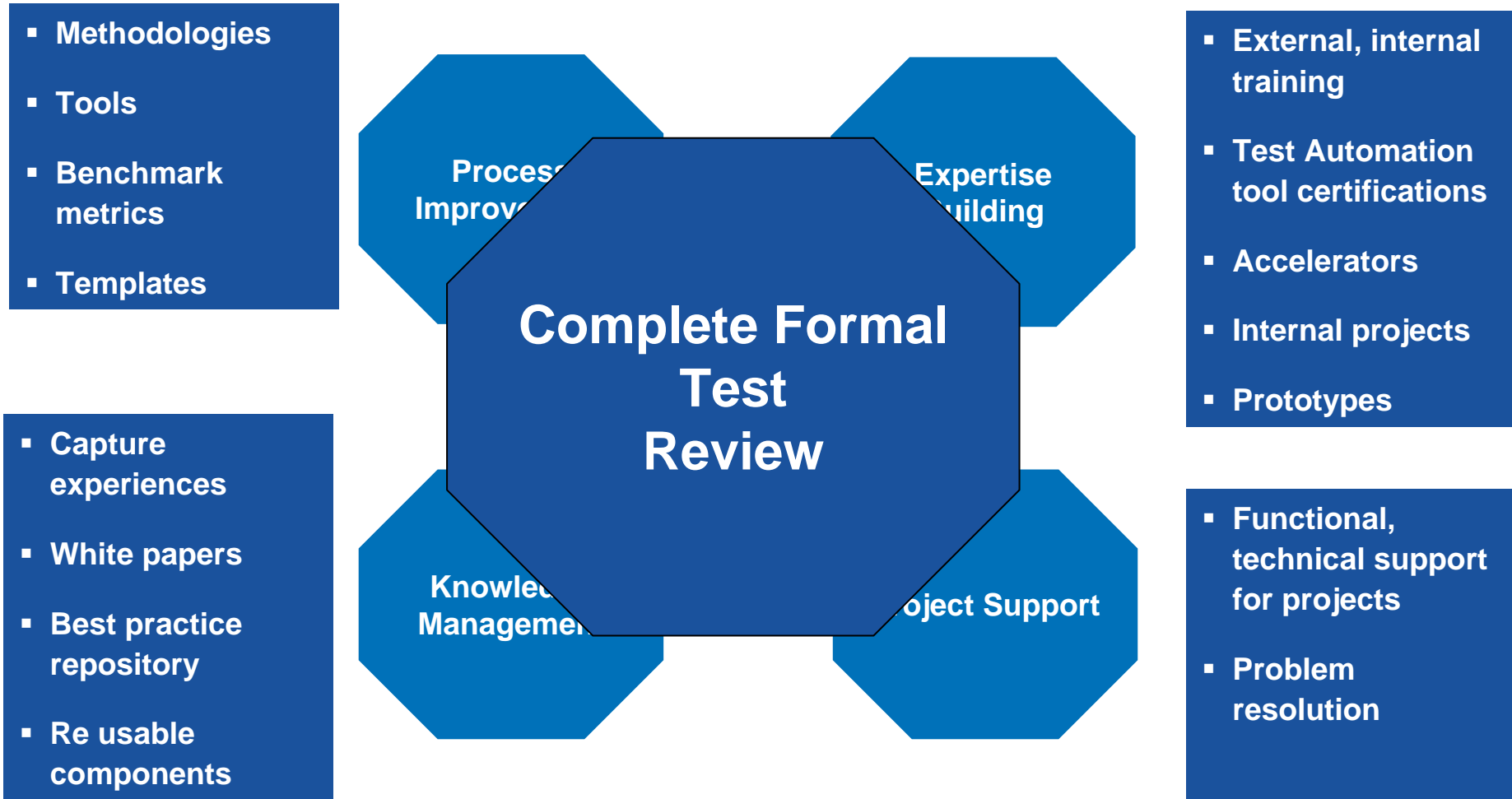


Why TCoE? Business Drivers

- » Increased business user demand
 - » Complex changes
- » Time to market
 - » Multiple releases in a year
 - » Dynamic business changes
- » Lack of uniform testing processes
 - » Every project having its own testing process
 - » More people dependant and not process dependant
- » Testing is time consuming
 - » Inadequate Automation & usage of tools
 - » No key Accelerators / Frameworks
- » Effectiveness of testing
 - » No measurements / metrics



The Building Blocks



Building a TCoE

Strategy definition

Leverage on internal and external knowledge base to define objectives and scope of TCoE

Test tools and technology competency

Access to the latest tools and technologies like automation tools, scripting languages, databases

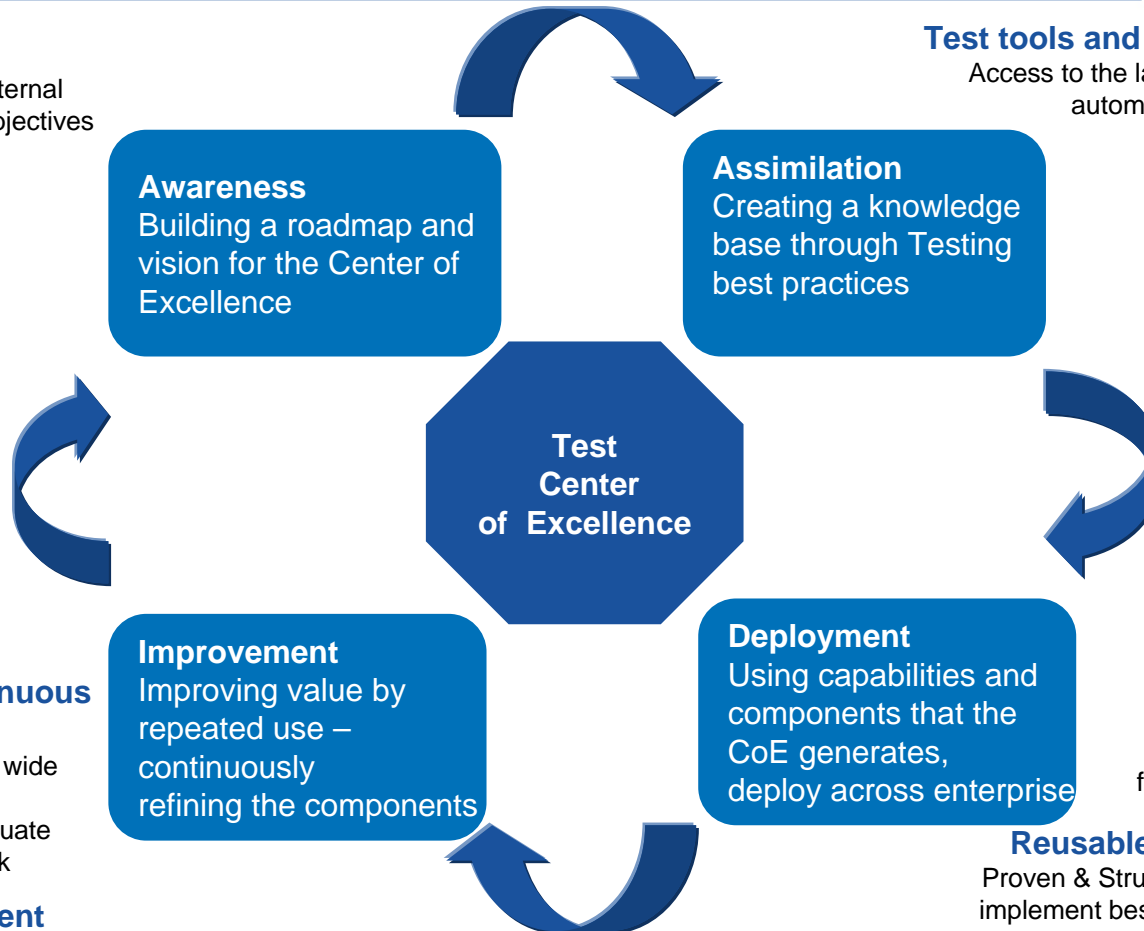
Deepening of skills

Through training & prototype development

Proof of concept

Bring in Applabs rich experience, from Testing industry specific Best Practices

Reusable test suites & frameworks
Proven & Structured Process Models. Design & implement best-of-breed solutions & technology



Awareness
Building a roadmap and vision for the Center of Excellence

Assimilation
Creating a knowledge base through Testing best practices

Test Center of Excellence

Improvement
Improving value by repeated use – continuously refining the components

Deployment
Using capabilities and components that the CoE generates, deploy across enterprise

Measurement & Continuous Improvement

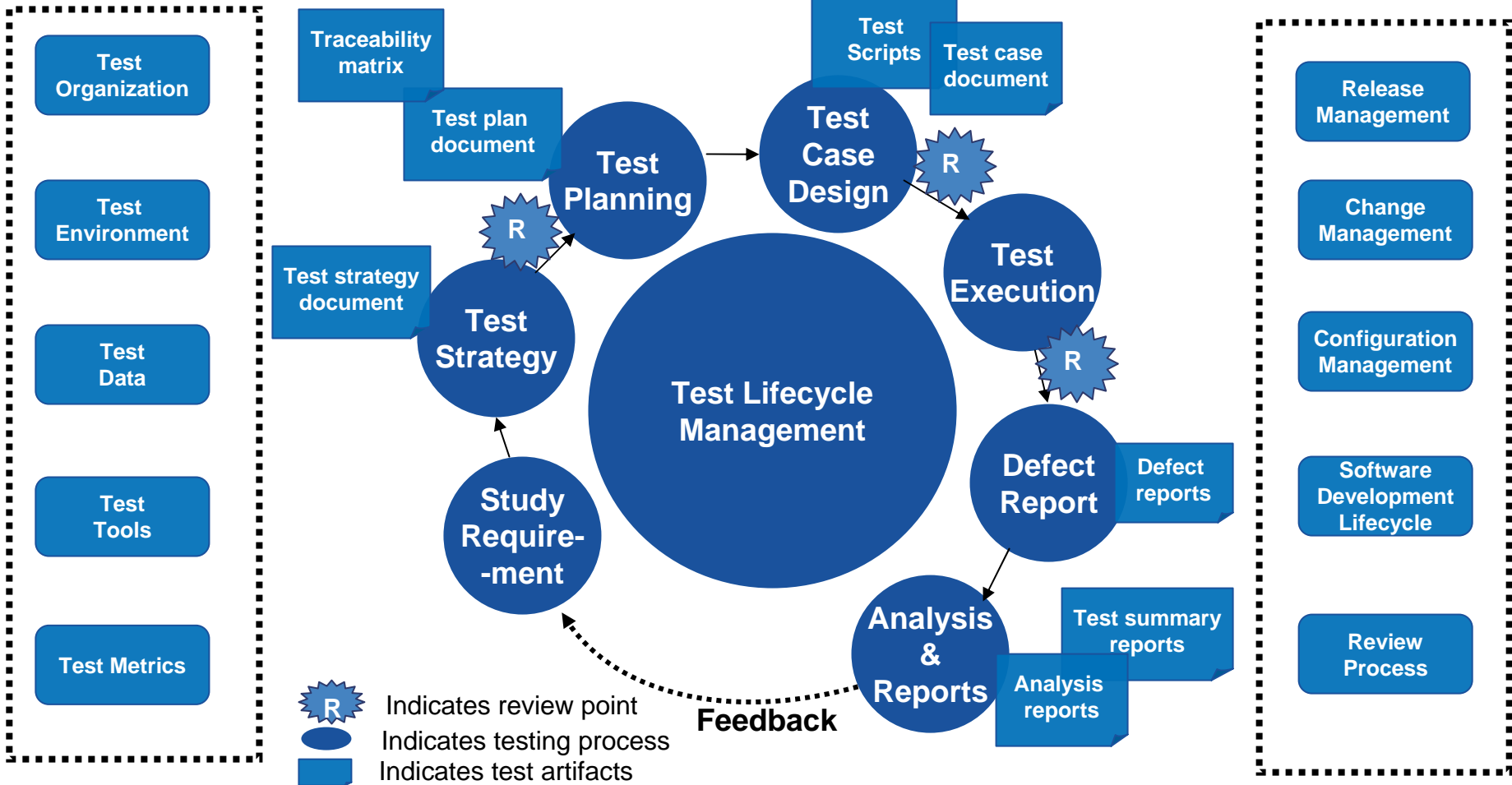
Metrics to ensure enterprise wide implementation
Regular check points to evaluate process maturity & Feedback

Knowledge management

Integrated knowledge management system to help leverage our learning

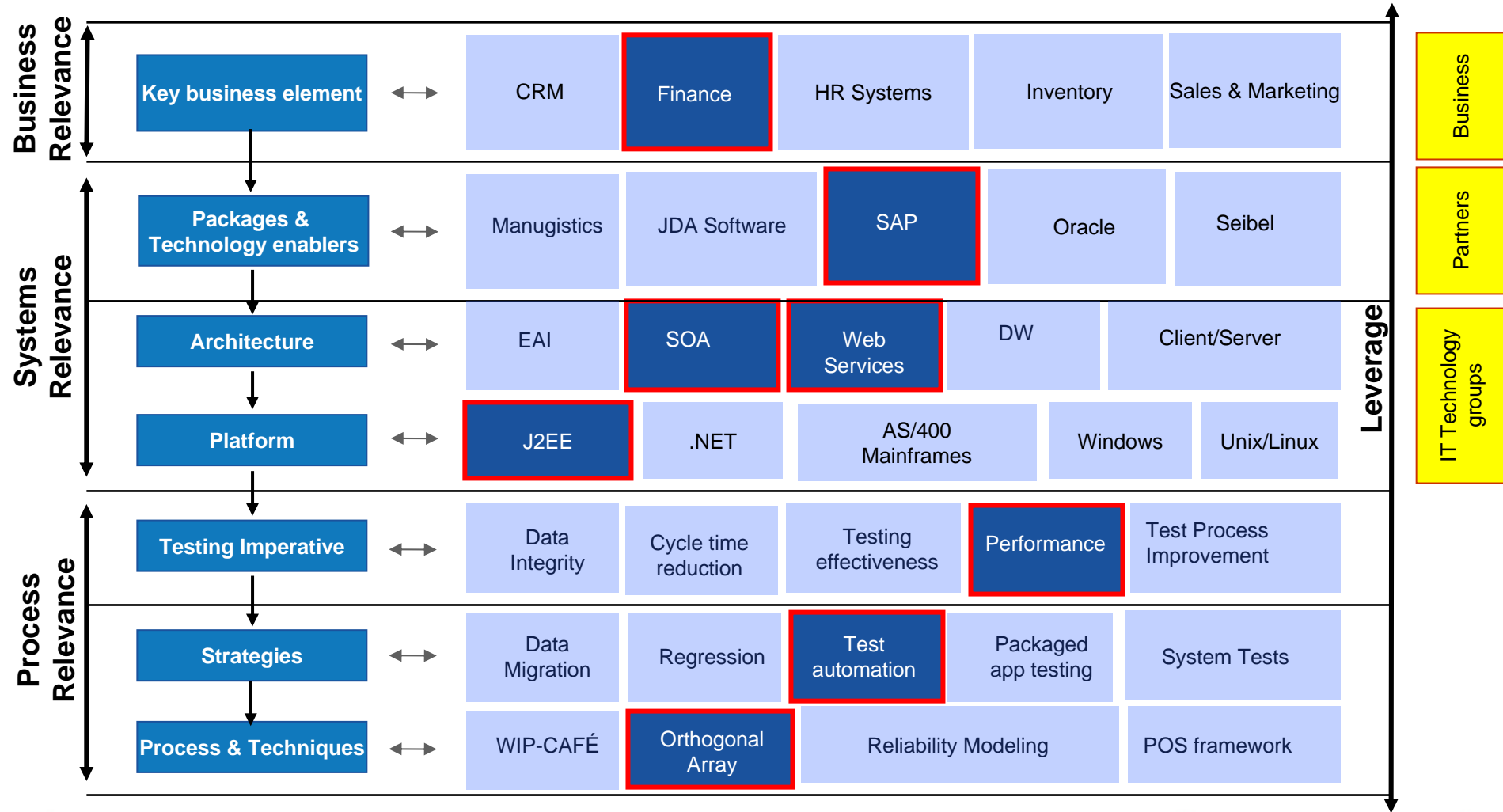
TCoE – Assimilation

Looking at every step of the Testing lifecycle



THE "MOSAIC"

Assimilation - Spot your candidates for TCoE



TCoE - Deployment

Step 1

- » People Planning
 - » Test organization
 - » Training

Step 2

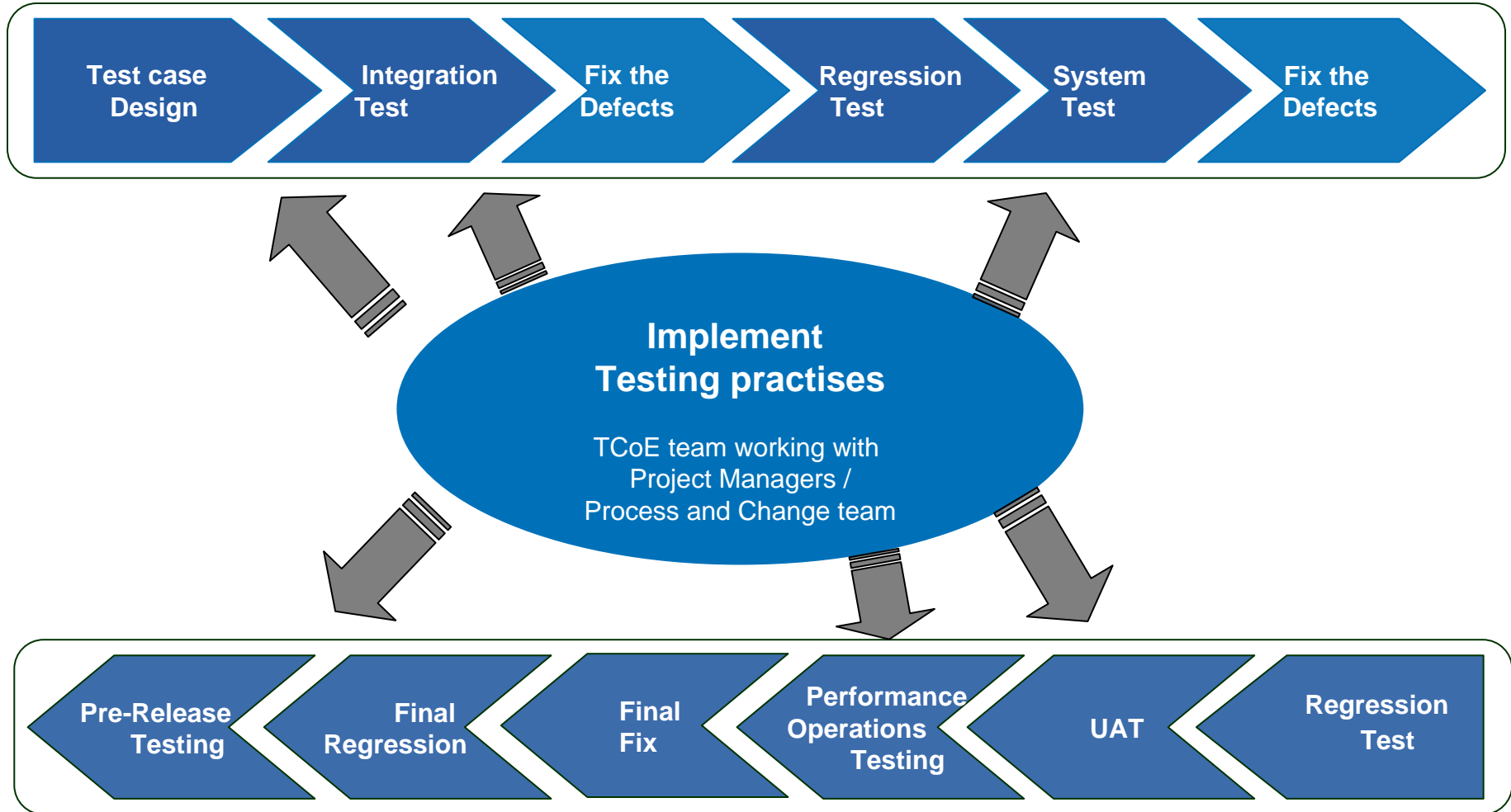
- » Processes Planning
 - » Management processes
 - » Communication processes
 - » Automation / Tools

Step 3

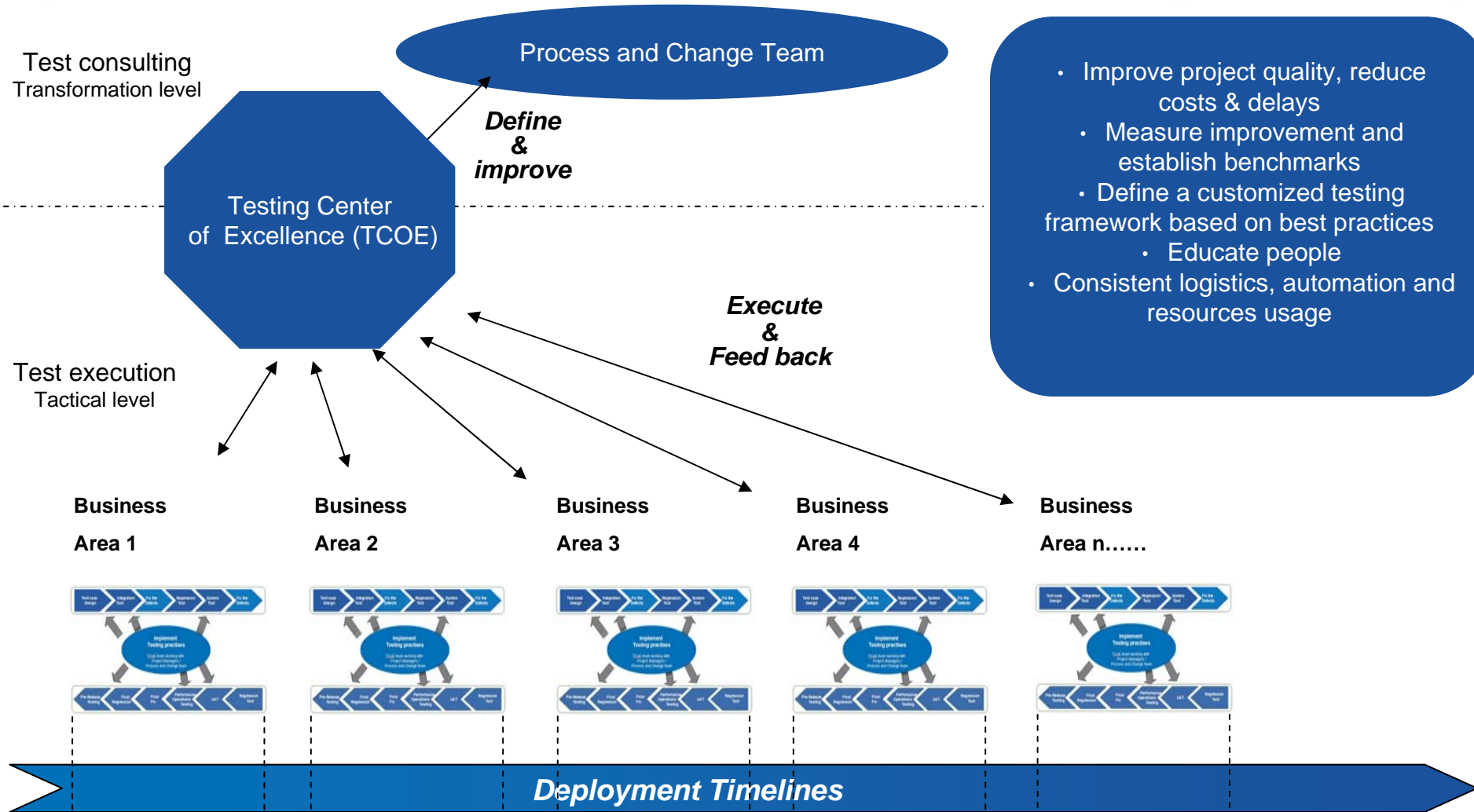
- » Environment Planning
 - » Hardware
 - » Software

TCoE - Deployment

Project Testing Life Cycle



TCoE - Improvement



- Improve project quality, reduce costs & delays
- Measure improvement and establish benchmarks
- Define a customized testing framework based on best practices
 - Educate people
- Consistent logistics, automation and resources usage

- » Define key objectives and scope
 - » What are my the key issues that the TCoE aims to solve
 - » What are the priorities of these issues
- » Engagement model with other departments and project teams
 - » To ensure its own success, the TCoE must set rules around how and when it will provide services to project teams.
 - » Clearly defined entry and exit criteria for its operation
- » Quantifiable benefits
 - » What is the ROI on this?
 - » How do I select and measure success criteria
- » Where will the funding come from?
 - » For many enterprises, TCoE usually remains a model without powers of enforcement because they do not have a mechanism to understand the ROI of implementing a COE strategy
 - » Chargeback or direct from business budget

Summary

- » Fully understand what you are trying to achieve through the TCoE – don't overestimate or oversell the solution
- » Plan accordingly by outlining a sensible and pragmatic roadmap to success – bite size chunks are the best approach
- » Position the TCoE as an evolutionary process – it's about continual improvement, refinement and execution (not a one-off)
- » Define a well thought-out and structured business case – use metrics and evidence from process improvement initiatives to show the value of the TCoE
- » Ensure you have sponsorship at all levels – Business and IT

Questions to: marketing@applabs.com





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