

COBIT 5 and its use to leverage the business world



Ramsés Gallego

**CISM, CGEIT, CISSP, SCPM, CCSK, ITIL, COBIT(f), Six Sigma Black Belt
Security Strategist & Evangelist
ramses.gallego@quest.com**

**Research Director & Strategic Planning, ISACA Barcelona Chapter
International Vice President, ISACA Board of Directors**

ramses.gallego@me.com

 **[@ramsesgallego](https://twitter.com/ramsesgallego)**





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COBIT[®]



Implementation

implementation | ˌɪmpləˈmɛnˈtɑːʃən |

the process of putting a decision or plan into effect;

execution, to put into practical effect;

a means for achieving an end

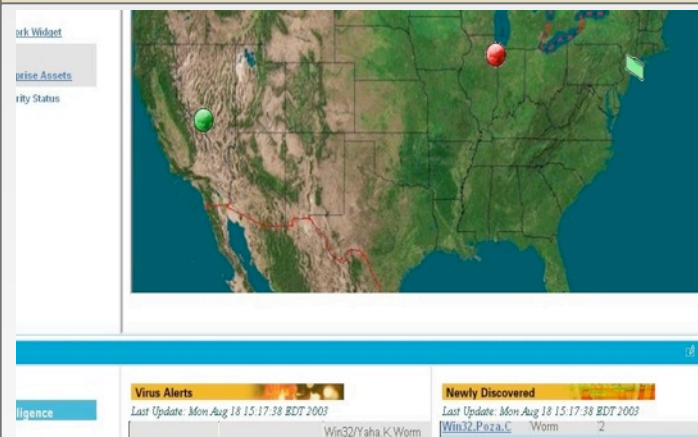


A word cloud of business and technology terms. The words are arranged in a roughly circular pattern, with varying font sizes and colors. The largest word is 'Strategy' in dark green. Other prominent words include 'Value' in light blue, 'Resiliency' in purple, 'Indicators' in dark purple, 'Effectiveness' in dark green, 'Management' in dark grey, 'Risk' in blue, 'Compliance' in green, 'Architecture' in dark green, 'Governance' in purple, 'Access' in yellow-green, 'Partners' in green, 'Dashboards' in orange, 'Technology' in red, 'Trust' in purple, 'Auditing' in brown, 'Tactics' in brown, 'Information' in purple, 'Business' in green, 'KPIs' in green, 'Real-time' in blue, 'Efficiency' in blue, 'Availability' in purple, 'Metrics' in yellow-green, 'Accountability' in brown, 'KGIs' in brown, 'Integration' in green, and 'Identity' in dark green.

Information
Tactics Auditing
Trust Strategy
Business
Technology KPIs Real-time
Dashboards Efficiency
Partners Metrics Availability
Accountability Value Resiliency
KGIs Access Indicators
Governance Effectiveness
Architecture Management
Compliance
Identity Integration
Risk



Manage risk



- Compliance
- Protect assets
- Business continuity

Manage operational and business risk

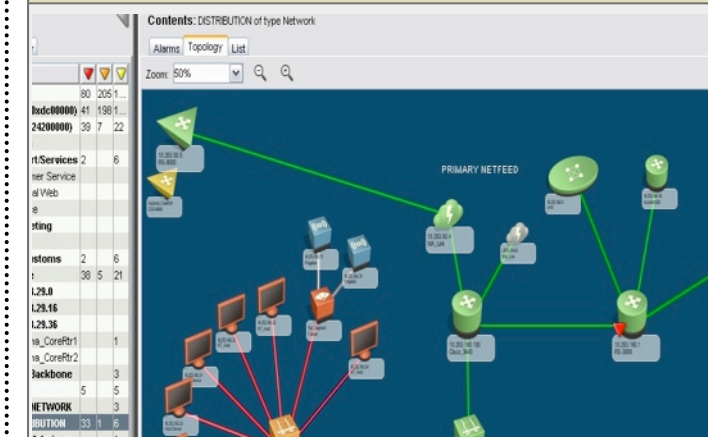
Manage cost



- Resource optimization
- Process automation

Better management of CAPEX and OPEX

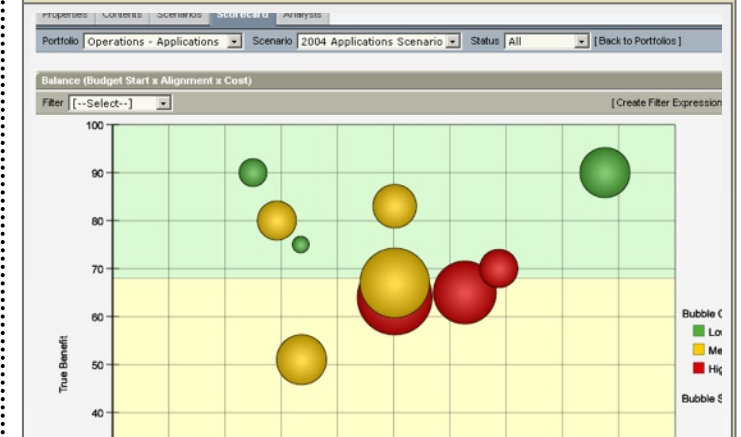
Improve service



- Service Availability
- Service Management

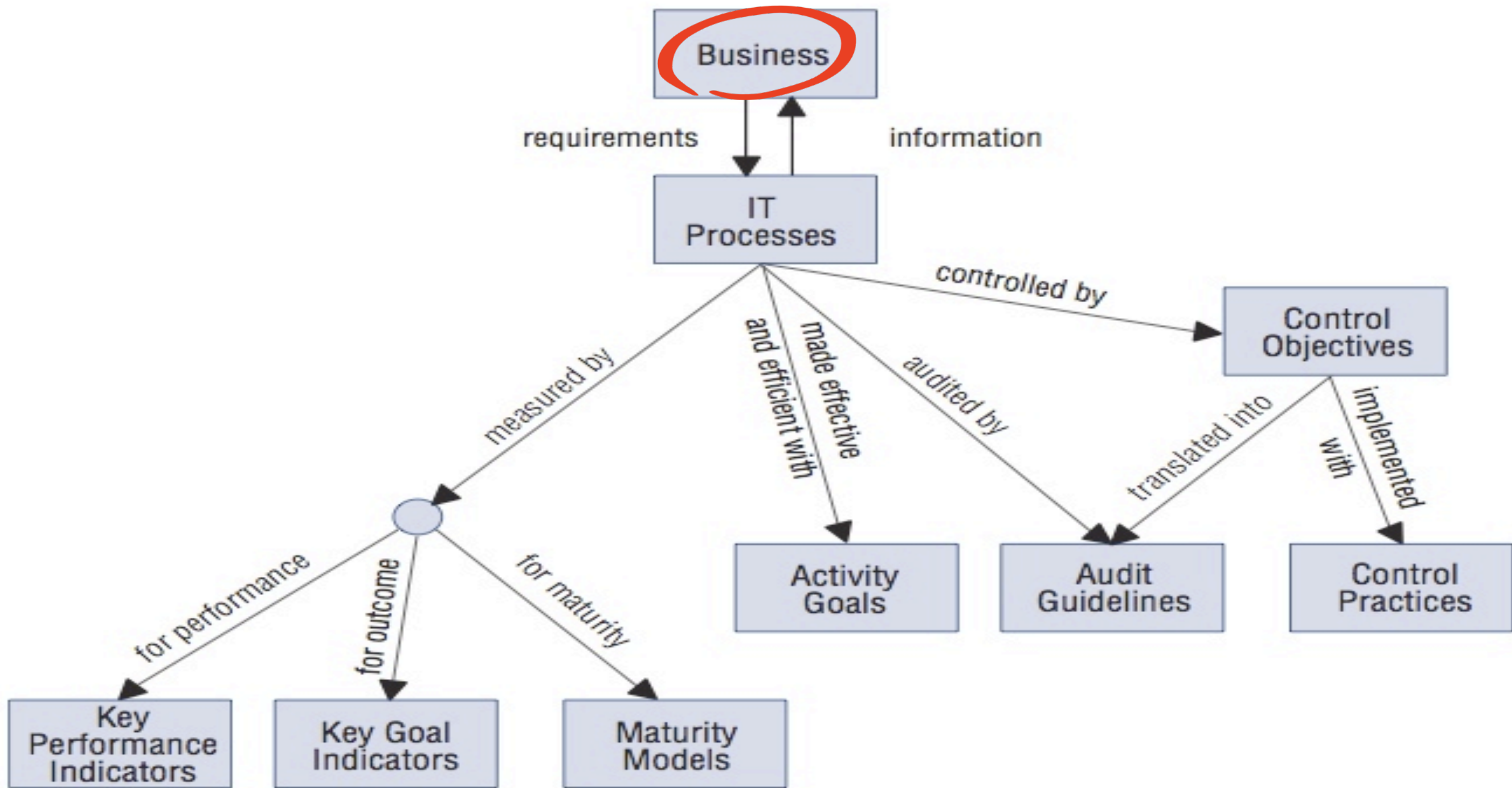
Optimal value providing effective and efficient services

Align IT investments



- IT Portfolio Management
- Value Management
- Business Process Management

Align IT investments with the corporate goals



Enterprise Strategy



Business Goals for IT

direct

metrics



IT Goals

direct

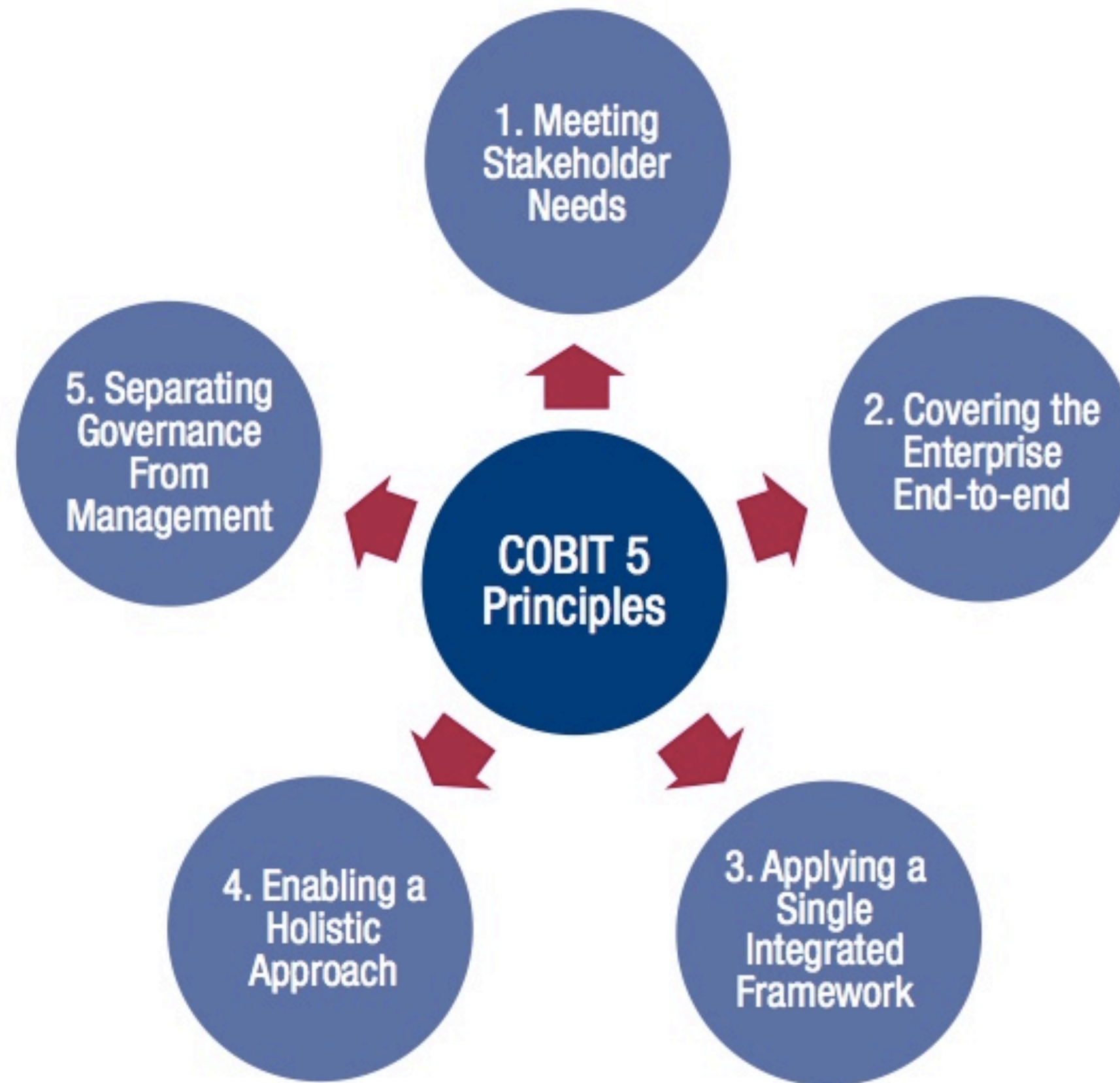
metrics

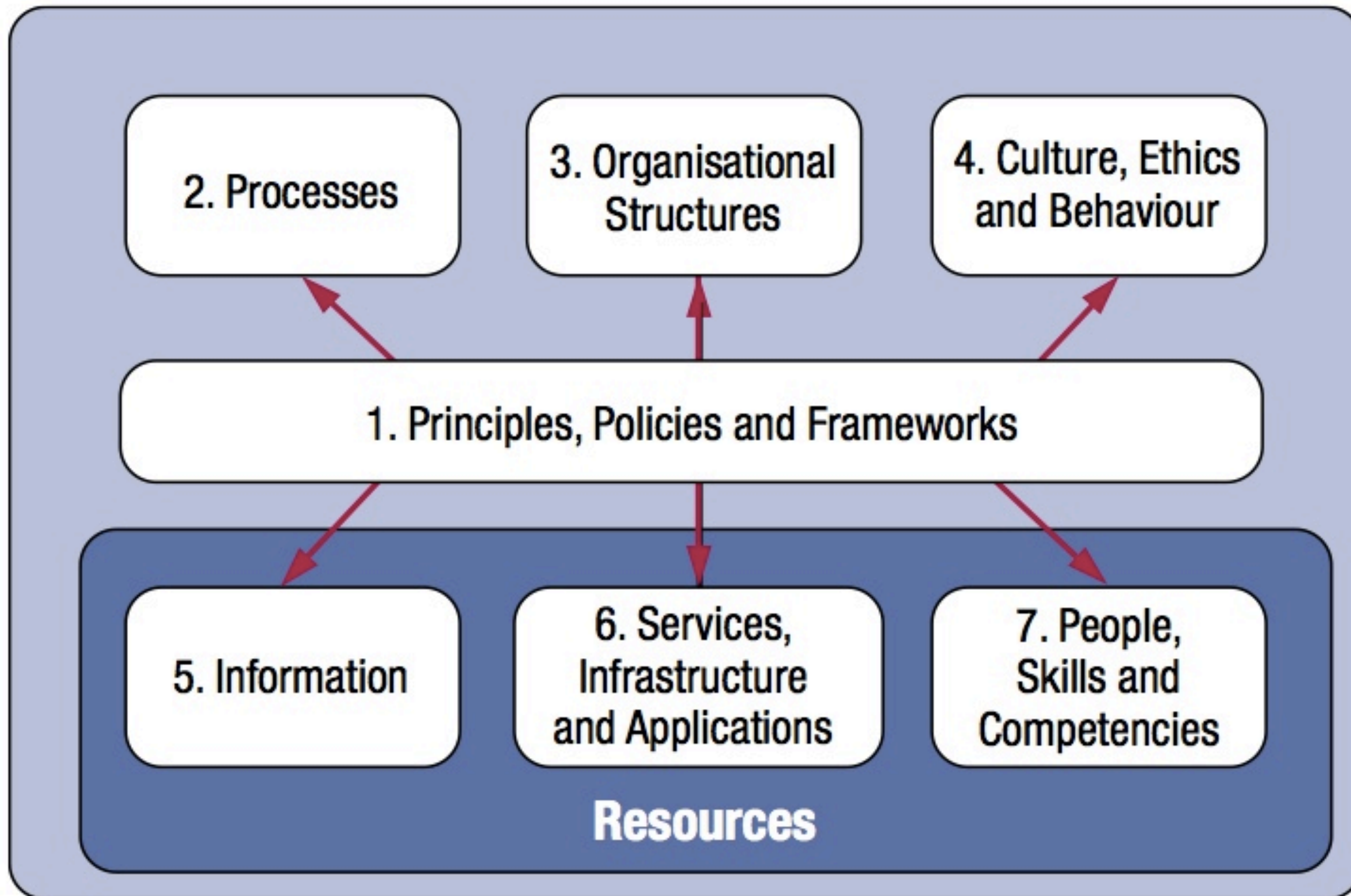


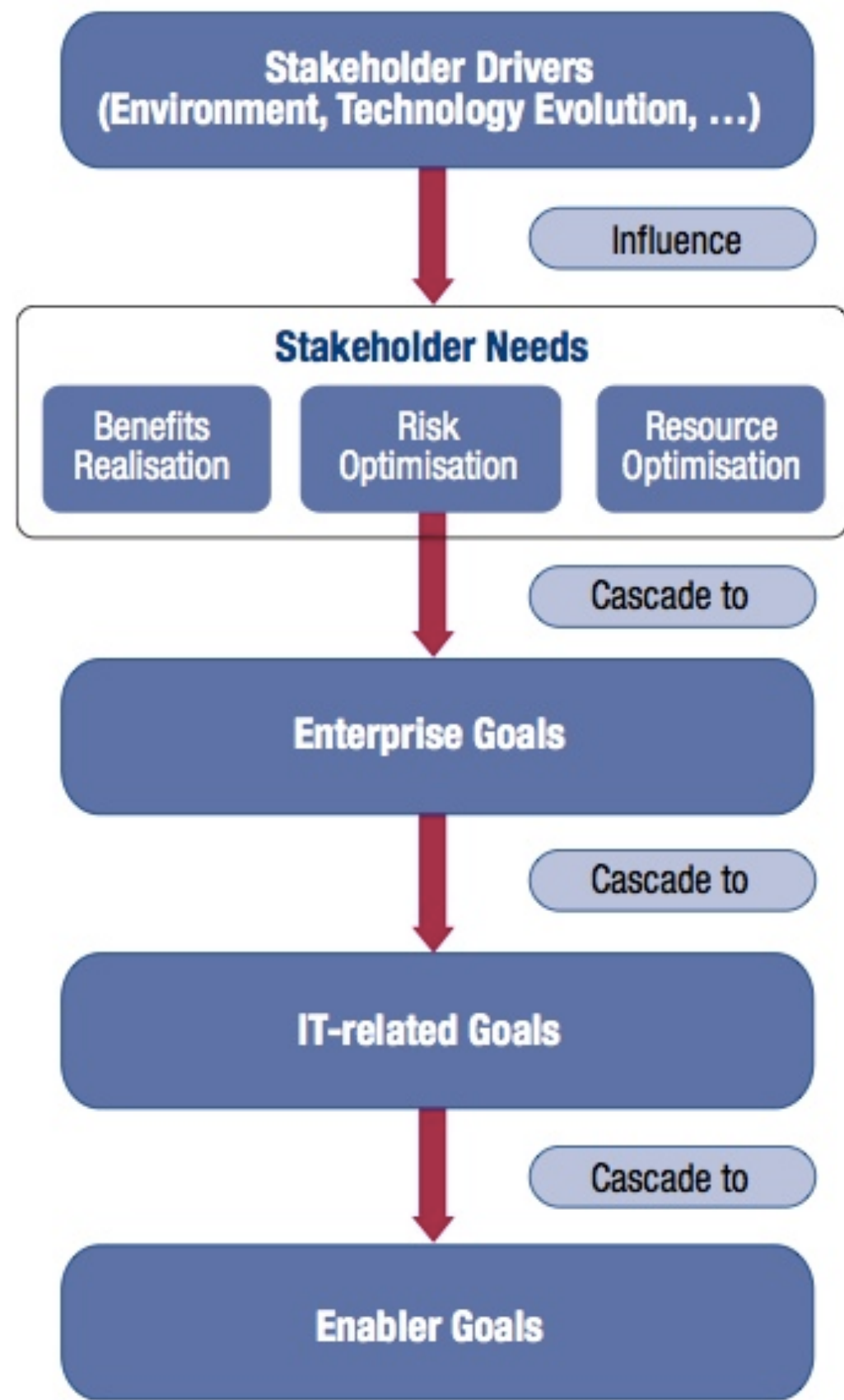
Enterprise Architecture for IT



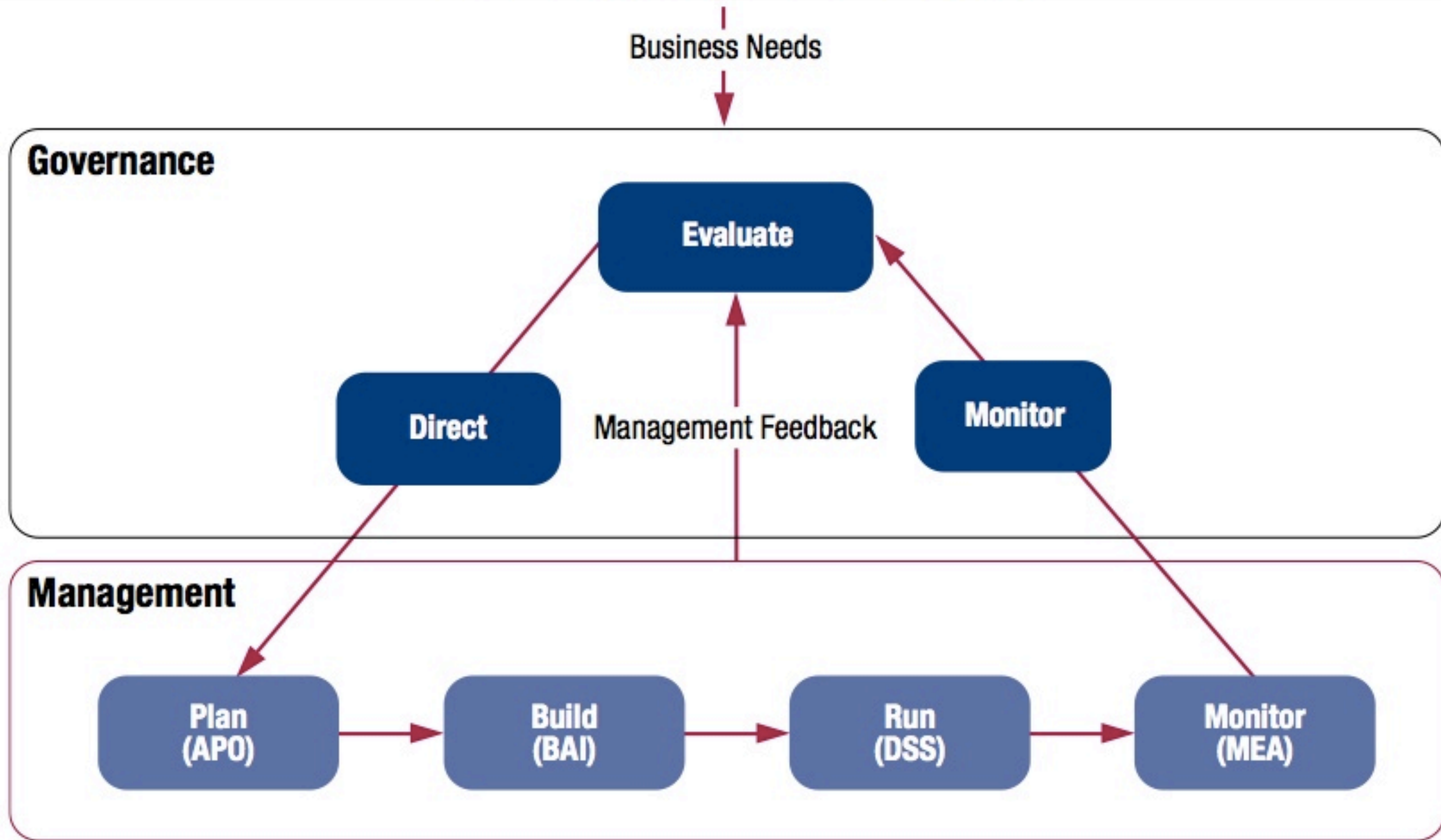
IT Scorecard





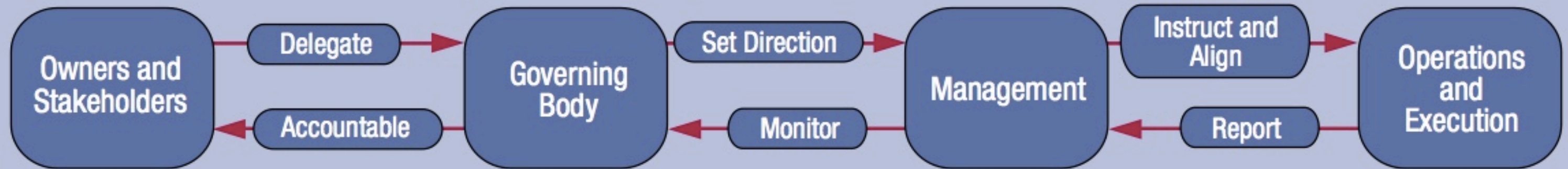


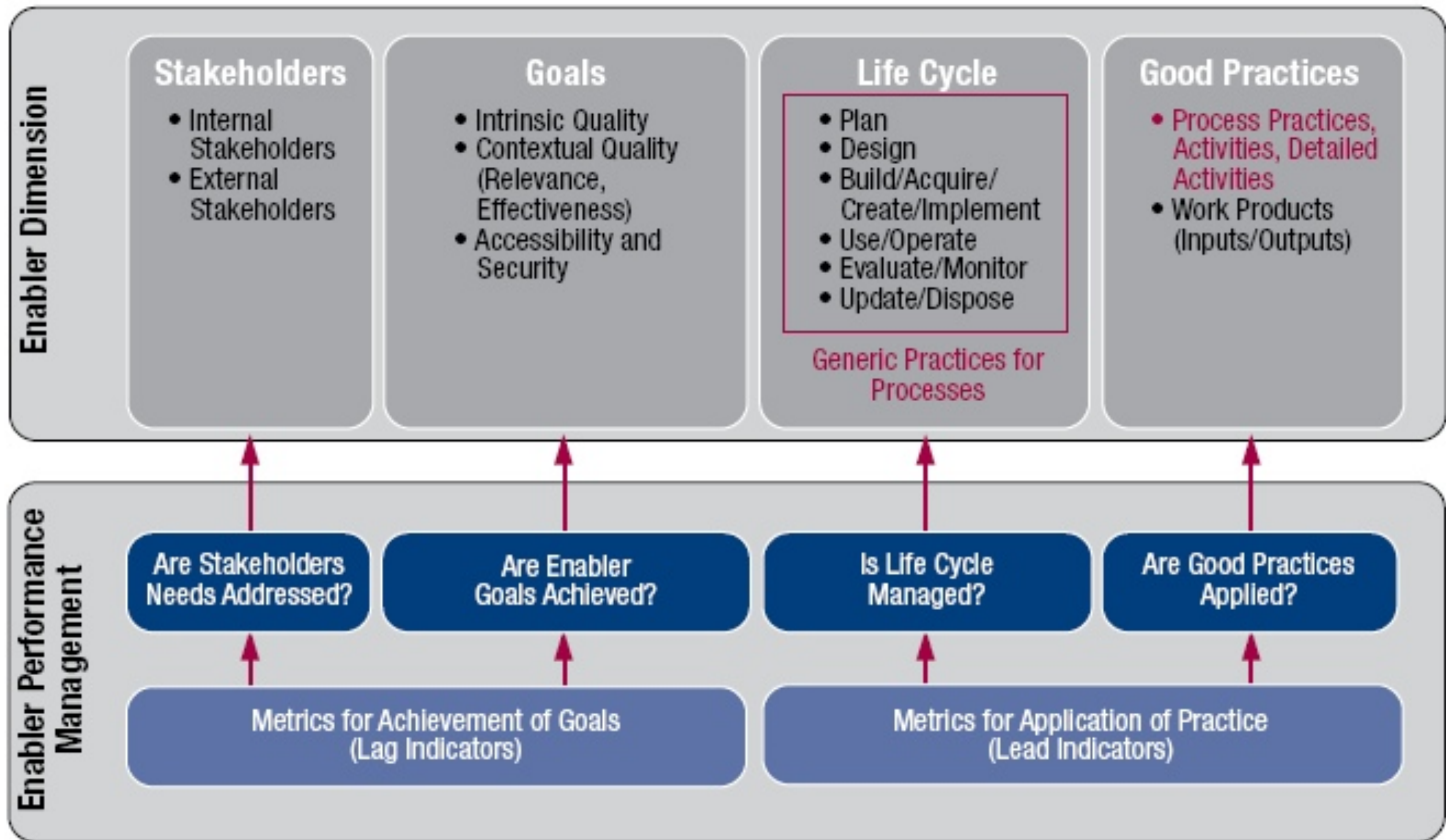
COBIT 5 Governance and Management Key Areas



Key Roles, Activities and Relationships

Roles, Activities and Relationships





Processes for Governance of Enterprise IT

Evaluate, Direct and Monitor

EDM01 Ensure Governance Framework Setting and Maintenance

EDM02 Ensure Benefits Delivery

EDM03 Ensure Risk Optimisation

EDM04 Ensure Resource Optimisation

EDM05 Ensure Stakeholder Transparency

Align, Plan and Organise

AP001 Manage the IT Management Framework

AP002 Manage Strategy

AP003 Manage Enterprise Architecture

AP004 Manage Innovation

AP005 Manage Portfolio

AP006 Manage Budget and Costs

AP007 Manage Human Resources

AP008 Manage Relationships

AP009 Manage Service Agreements

AP010 Manage Suppliers

AP011 Manage Quality

AP012 Manage Risk

AP013 Manage Security

Build, Acquire and Implement

BAI01 Manage Programmes and Projects

BAI02 Manage Requirements Definition

BAI03 Manage Solutions Identification and Build

BAI04 Manage Availability and Capacity

BAI05 Manage Organisational Change Enablement

BAI06 Manage Changes

BAI07 Manage Change Acceptance and Transitioning

BAI08 Manage Knowledge

BAI09 Manage Assets

BAI010 Manage Configuration

Deliver, Service and Support

DSS01 Manage Operations

DSS02 Manage Service Requests and Incidents

DSS03 Manage Problems

DSS04 Manage Continuity

DSS05 Manage Security Services

DSS06 Manage Business Process Controls

Monitor, Evaluate and Assess

MEA01 Monitor, Evaluate and Assess Performance and Conformance

MEA02 Monitor, Evaluate and Assess the System of Internal Control

MEA03 Monitor, Evaluate and Assess Compliance With External Requirements

Processes for Management of Enterprise IT

RACI Chart

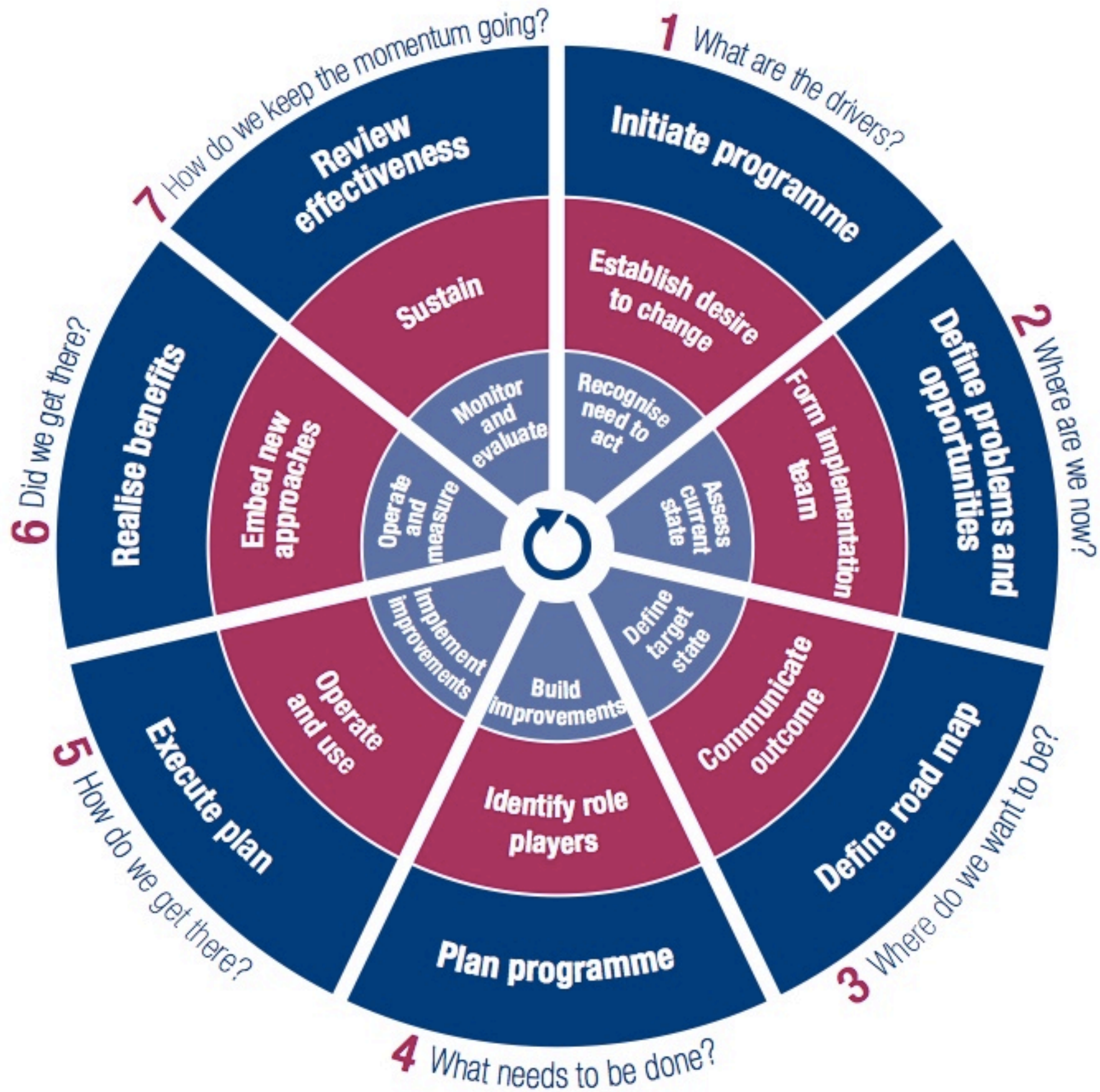
Functions

Activities

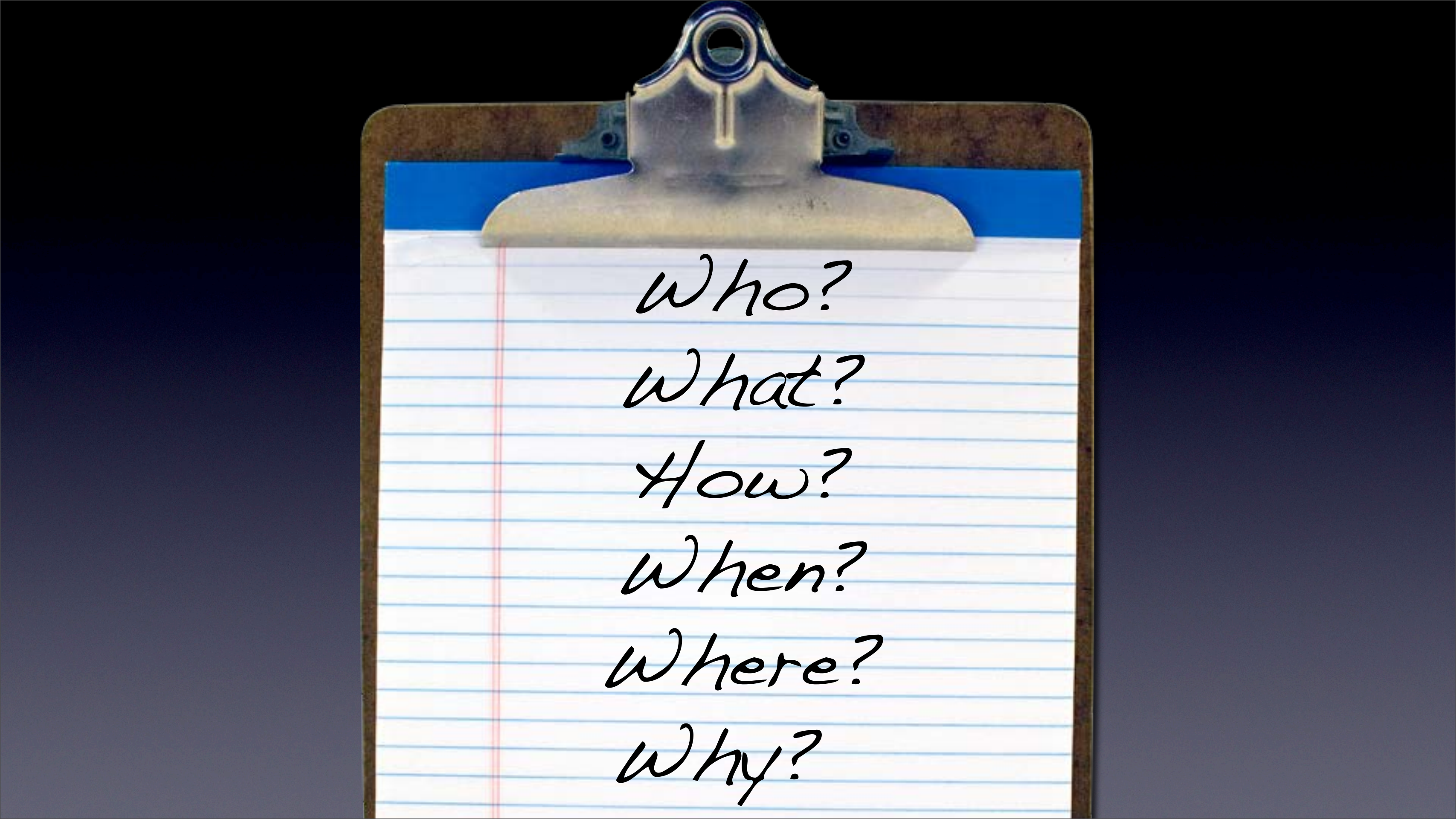
	CEO	CFO	Business Executive	CIO	Business Process Owner	Head Operations	Chief Architect	Head Development	Head IT Administration	PMO	Compliance, Audit, Risk and Security
Create and maintain a technology infrastructure plan.		I	I	A		C	R	C	C		C
Create and maintain technology standards.				A		C	R	C	I	I	I
Publish technology standards.		I	I	A		I	R	I	I	I	I
Monitor technology evolution.		I	I	A		C	R	C		C	C
Define (future) (strategic) use of new technology.		C	C	A		C	R	C		C	C

A **RACI** chart identifies who is **R**esponsible, **A**ccountable, **C**onsulted and/or **I**nformed.

EDM03 Process Practices, Inputs/Outputs and Activities				
Governance Practice	Inputs		Outputs	
EDM03.01 Evaluate risk management. Continually examine and make judgement on the effect of risk on the current and future use of IT in the enterprise. Consider whether the enterprise's risk appetite is appropriate and that risk to enterprise value related to the use of IT is identified and managed.	From	Description	Description	To
	APO12.01	Emerging risk issues and factors	Risk appetite guidance	APO12.03
			Approved risk tolerance levels	APO12.03
	Outside COBIT	Enterprise risk management principles	Evaluation of risk management activities	APO12.01
Activities				
1. Determine the level of IT-related risk that the enterprise is willing to take to meet its objectives (risk appetite).				
2. Evaluate and approve proposed IT risk tolerance thresholds against the enterprise's acceptable risk and opportunity levels.				
3. Determine the extent of alignment of the IT risk strategy to enterprise risk strategy.				
4. Proactively evaluate IT risk factors in advance of pending strategic enterprise decisions and ensure that risk-aware enterprise decisions are made.				
5. Determine that IT use is subject to appropriate risk assessment and evaluation, as described in relevant international and national standards.				
6. Evaluate risk management activities to ensure alignment with the enterprise's capacity for IT-related loss and leadership's tolerance of it.				
Governance Practice	Inputs		Outputs	
EDM03.02 Direct risk management. Direct the establishment of risk management practices to provide reasonable assurance that IT risk management practices are appropriate to ensure that the actual IT risk does not exceed the board's risk appetite.	From	Description	Description	To
	APO12.03	Aggregated risk profile, including status of risk management actions	Risk management policies	APO12.01
			Key objectives to be monitored for risk management	APO12.01
	Outside COBIT	Enterprise risk management (ERM) profiles and mitigation plans	Approved process for measuring risk management	APO12.01
Activities				
1. Promote an IT risk-aware culture and empower the enterprise to proactively identify IT risk, opportunity and potential business impacts.				



- **Programme management**
(outer ring)
- **Change enablement**
(middle ring)
- **Continual improvement life cycle**
(inner ring)



Who?

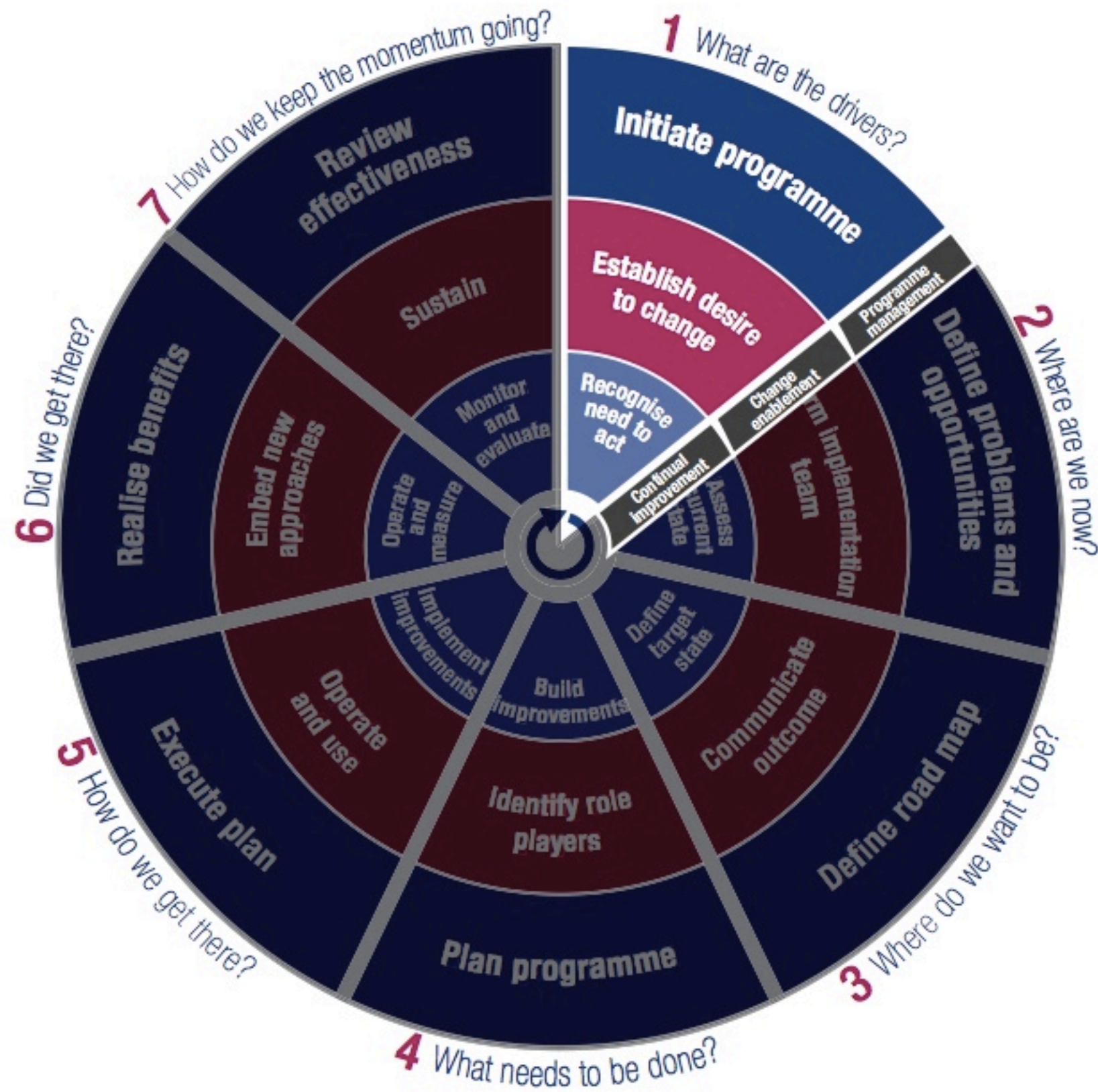
What?

How?

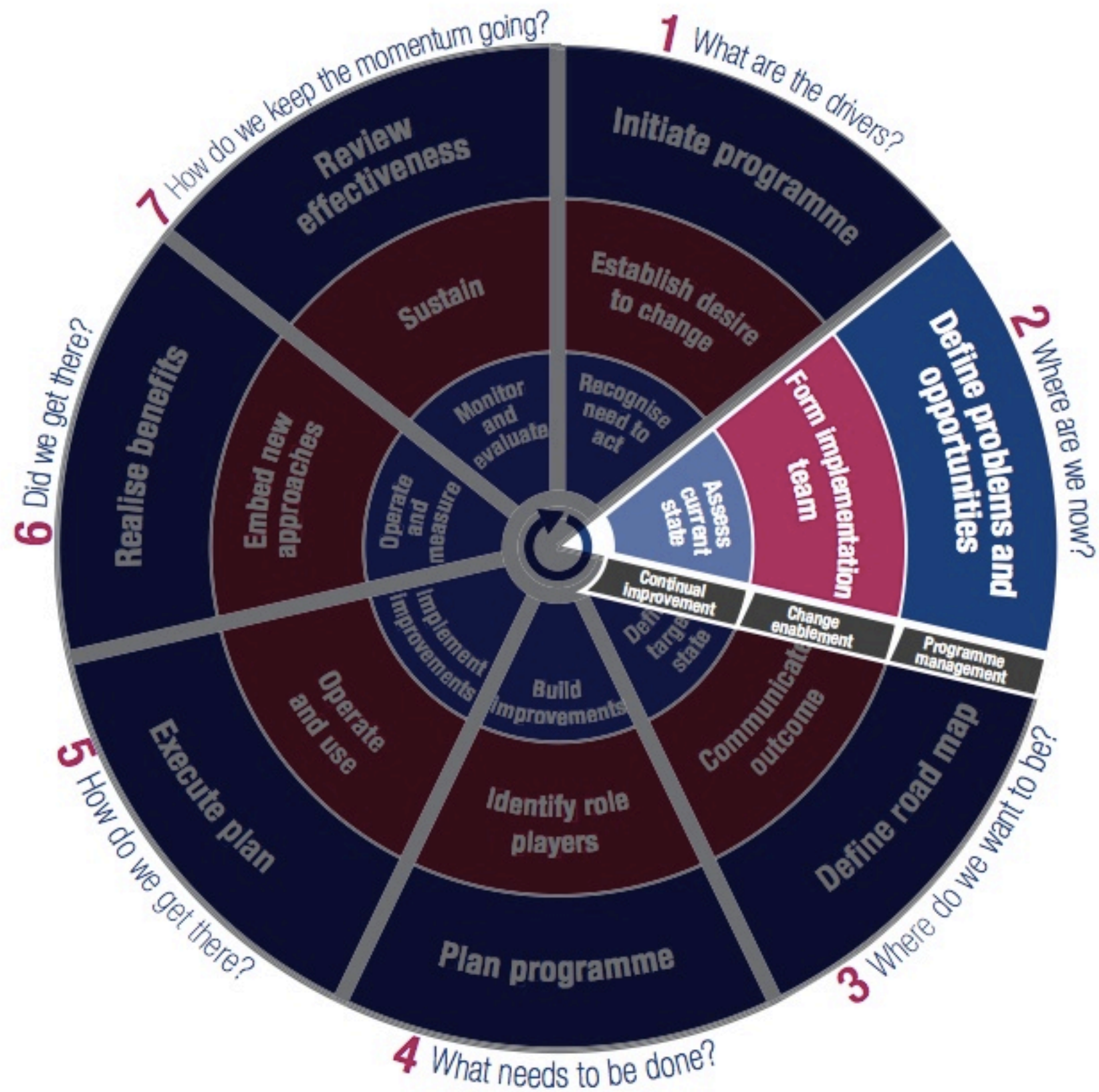
When?

Where?

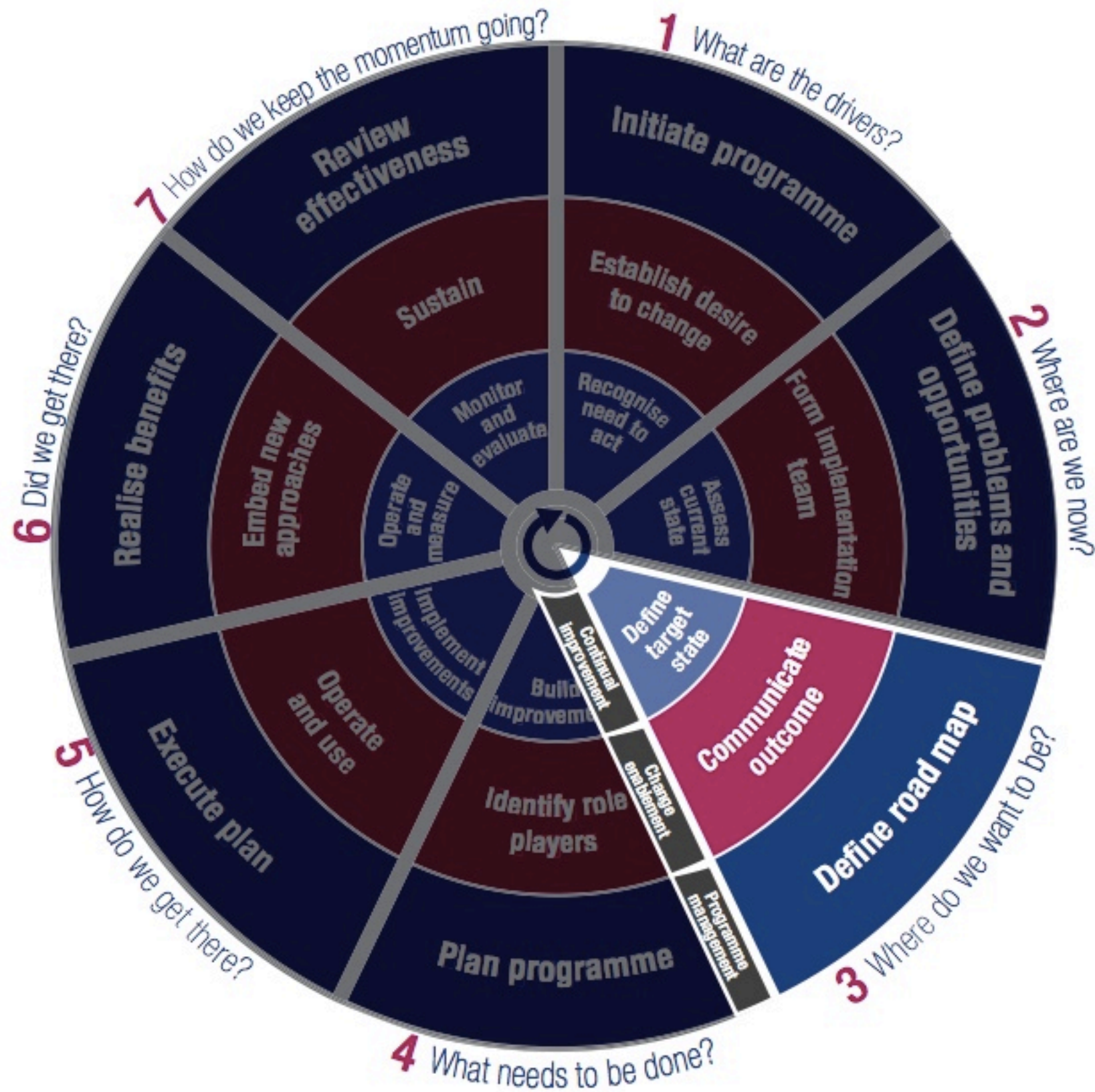
Why?



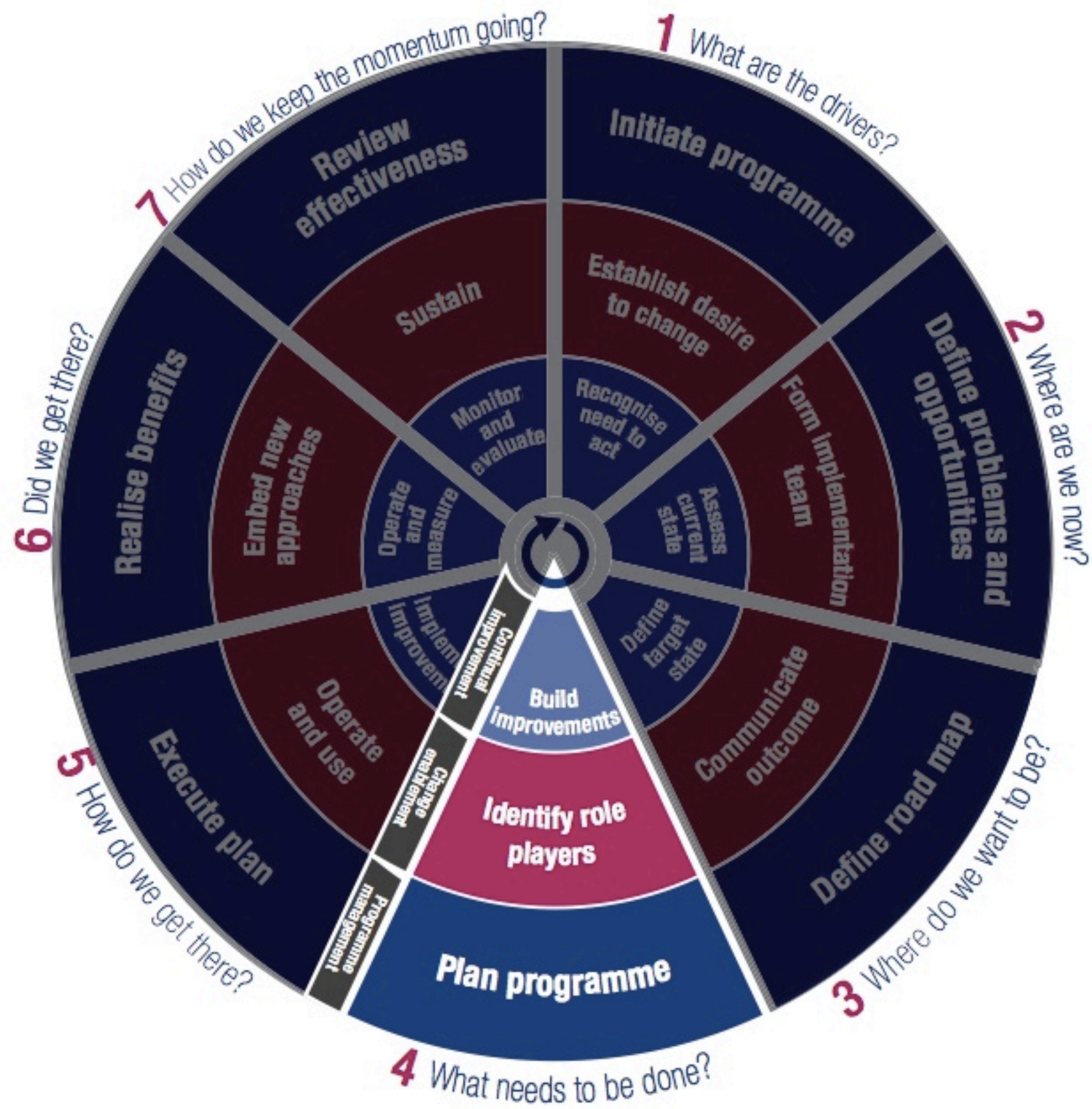
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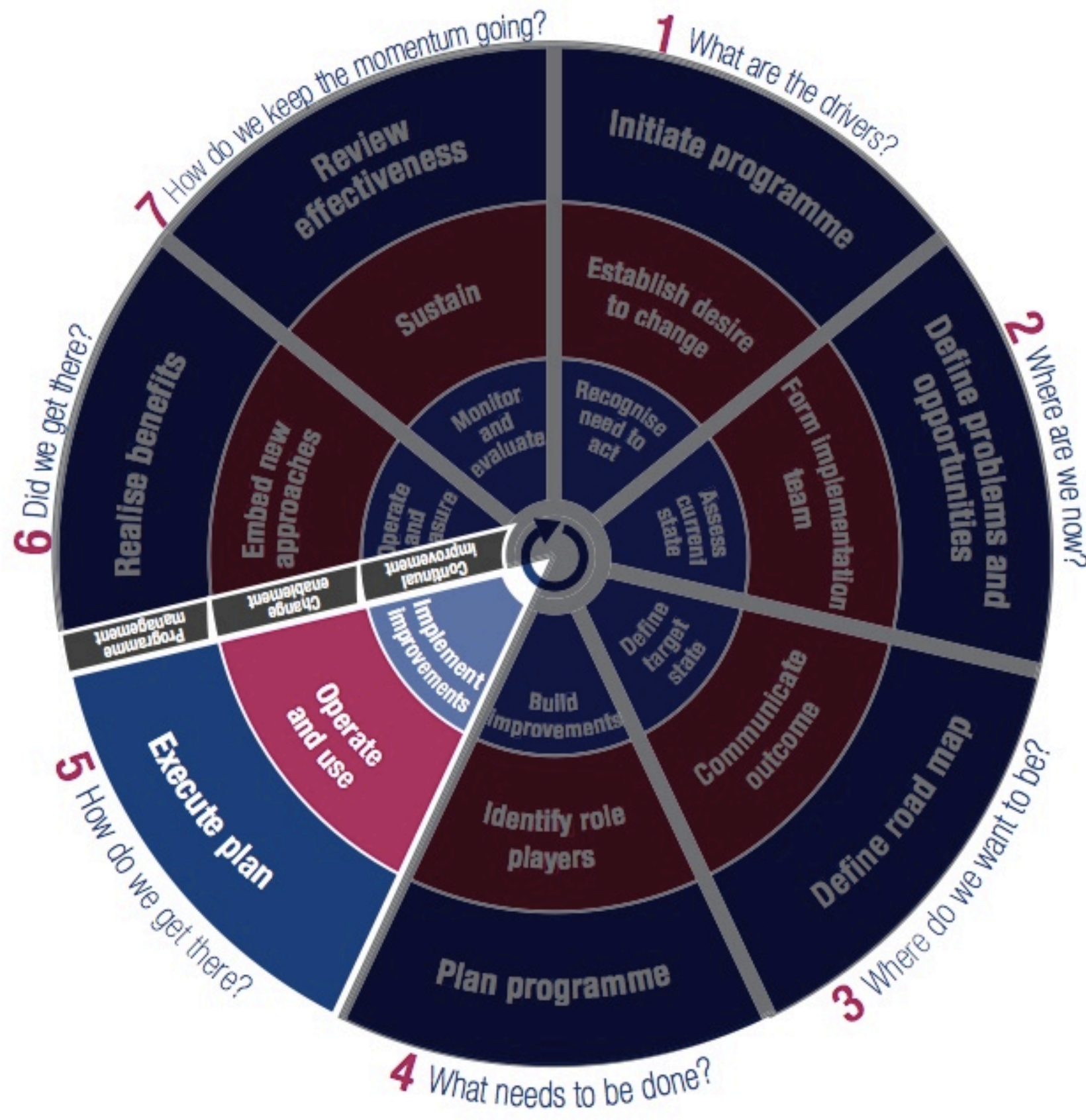
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(inner ring)



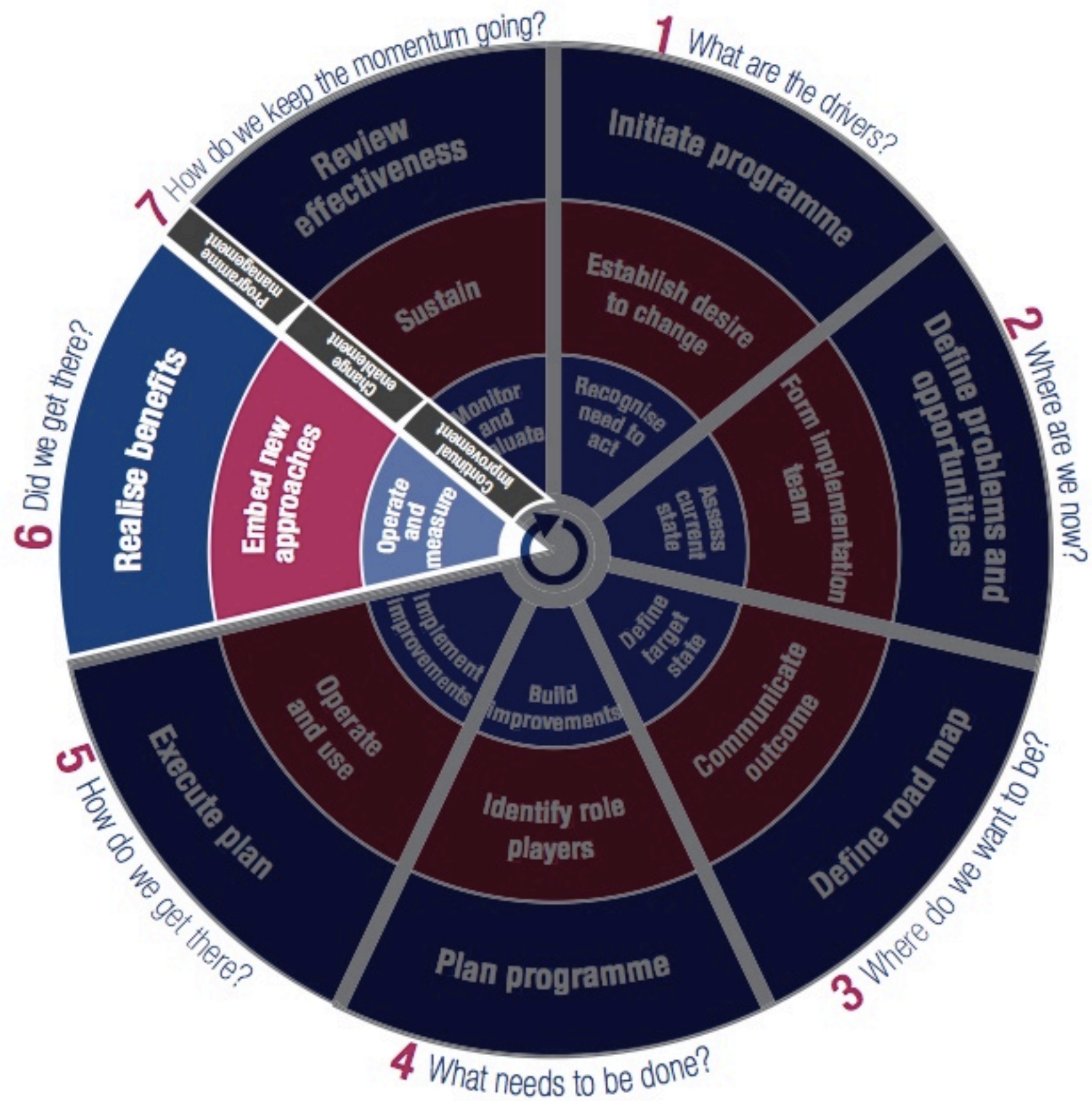
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- **Continual improvement life cycle** (inner ring)



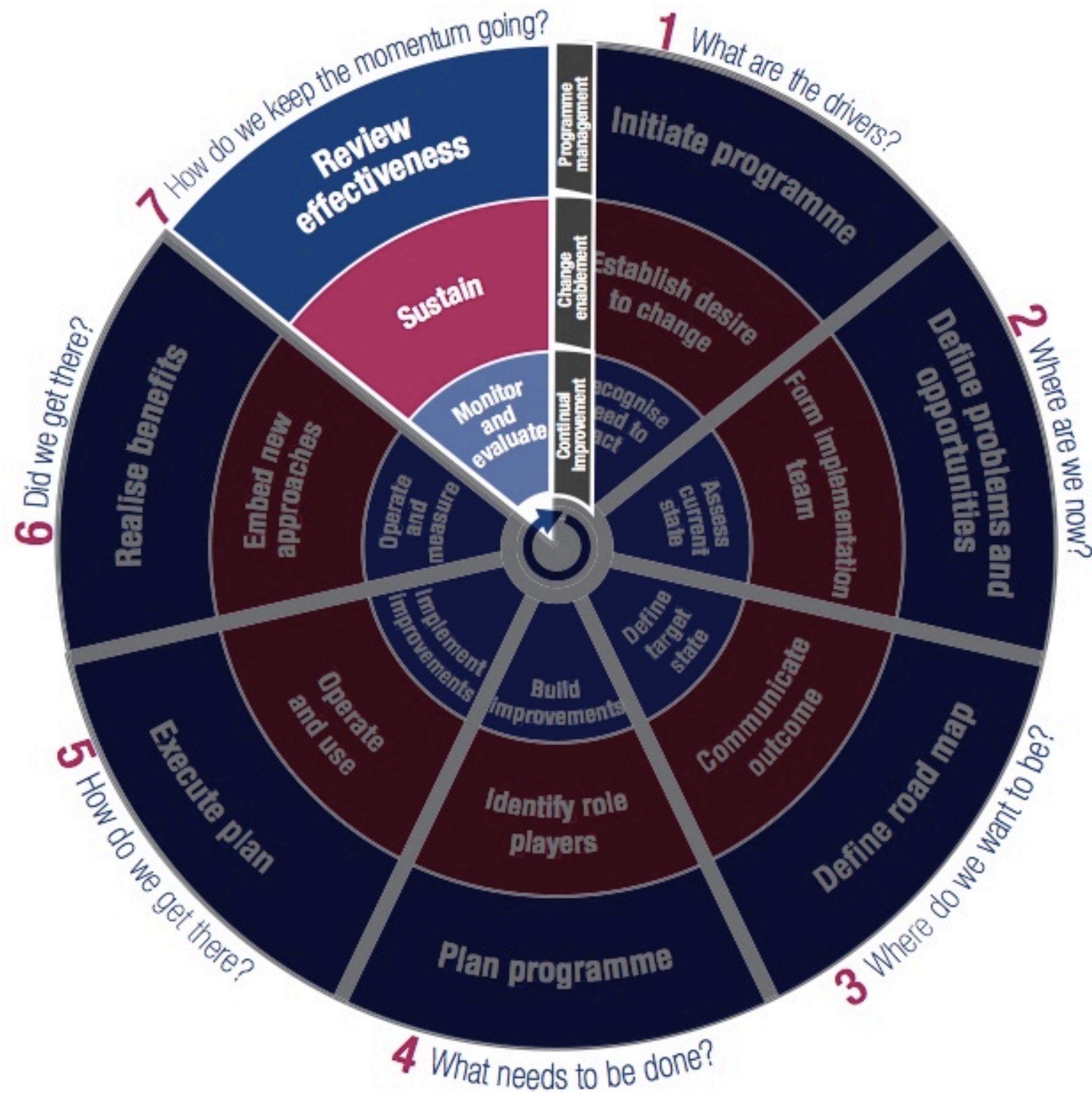
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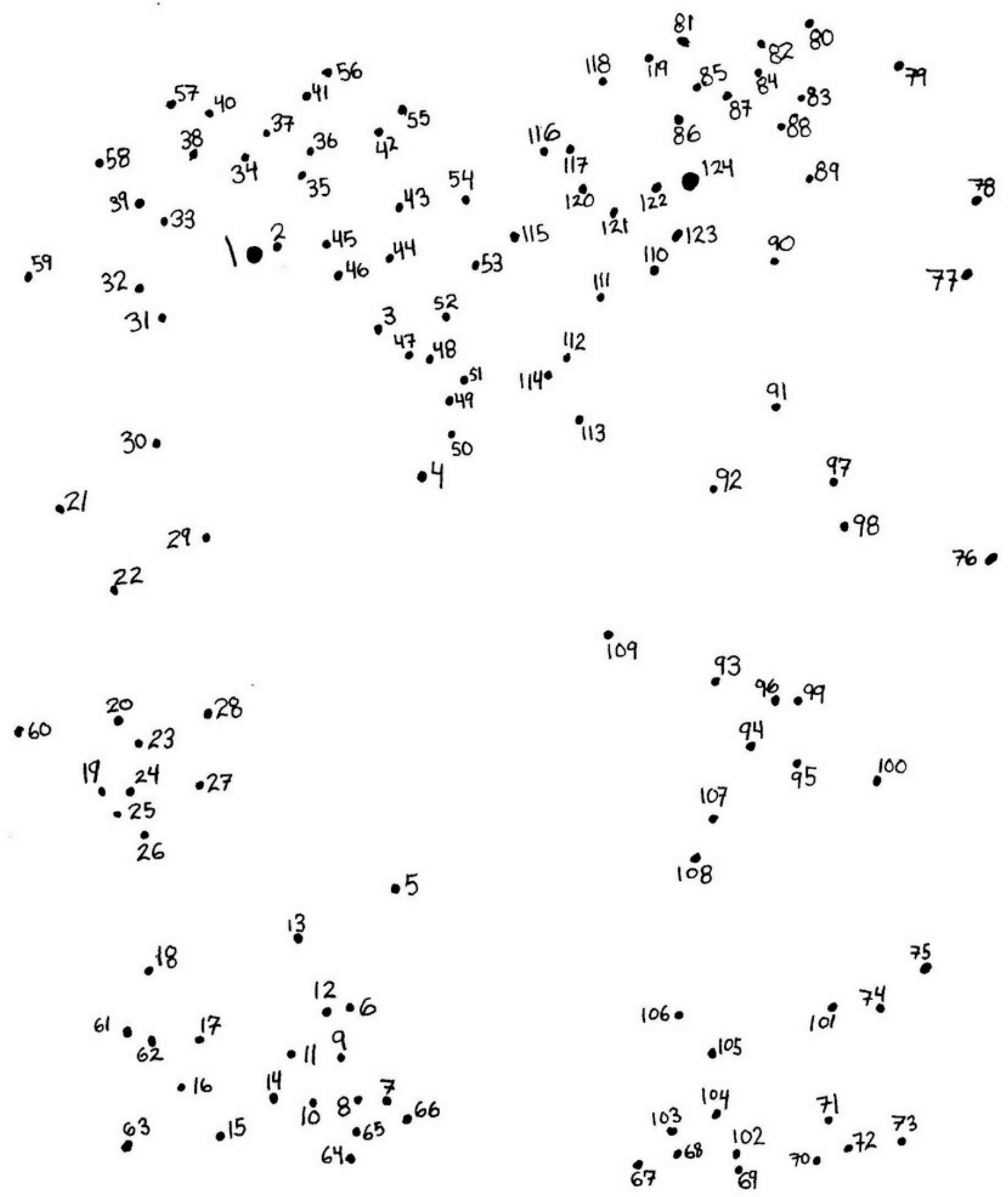
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(outer ring)
- **Change enablement**
(middle ring)
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(inner ring)



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(inner ring)



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(outer ring)
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(middle ring)
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(inner ring)



Handwritten text in a stylized, dotted font, possibly representing a name or a decorative message. The text is arranged in two rows. The top row contains the characters 'A', 'M', 'E', 'R', 'I', 'C', 'A', 'N'. The bottom row contains the characters 'I', 'N', 'D', 'E', 'P', 'E', 'N', 'D', 'E', 'N', 'C', 'E', 'D', 'A', 'Y'. The characters are formed by a series of black dots connected by thin lines, giving the text a dotted or stencil-like appearance.



MORSE'S HOTEL
INDIA STREET BLAIR
1882

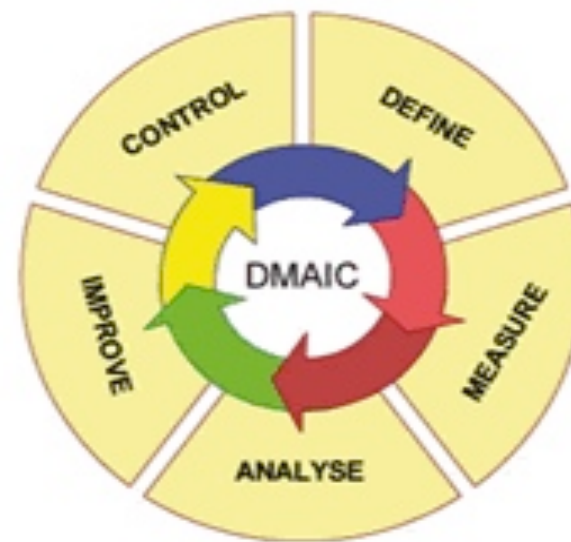
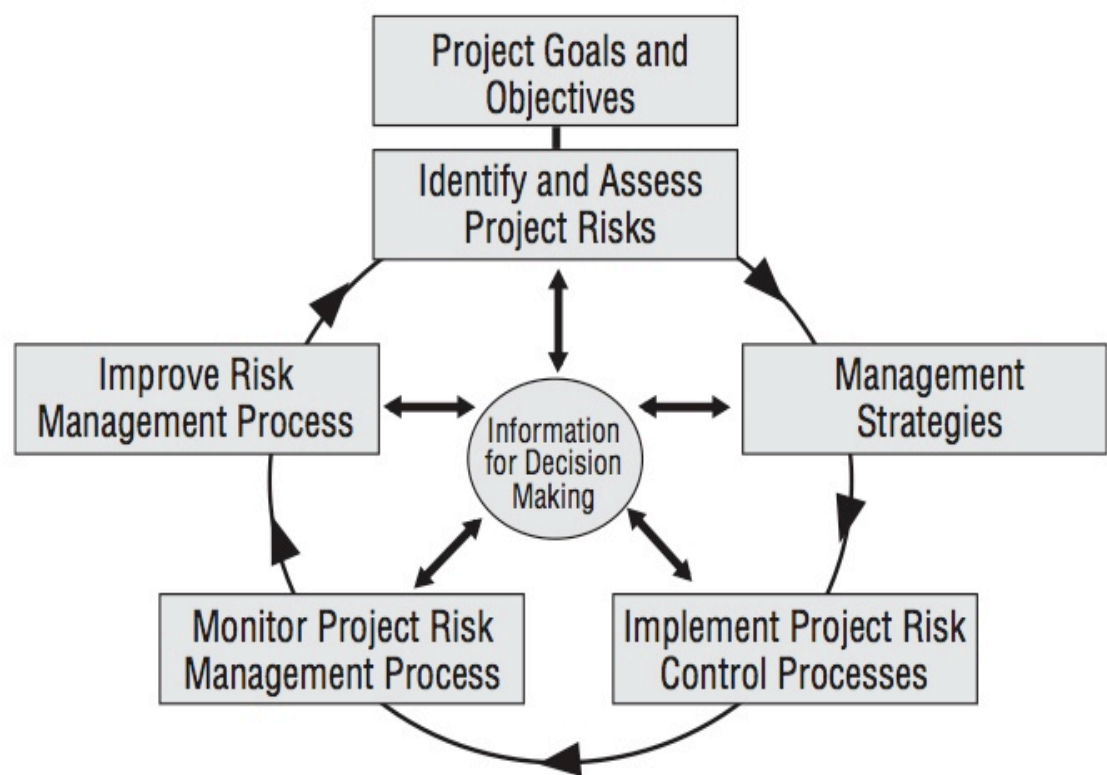
Leave behind your fears



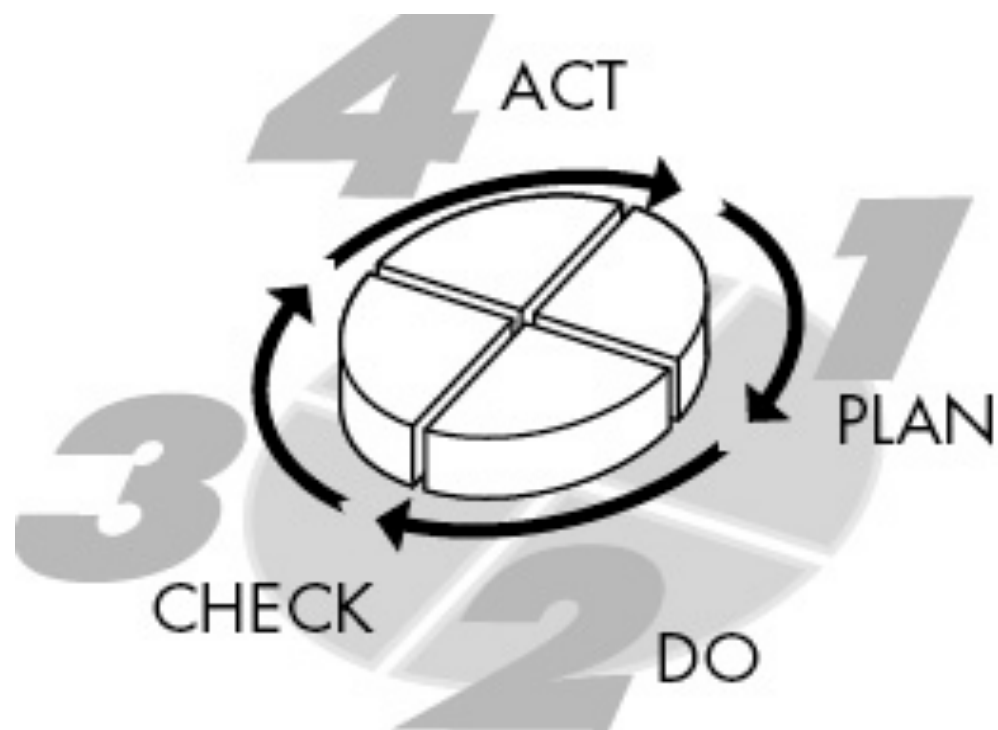


**CHANGE
AHEAD**



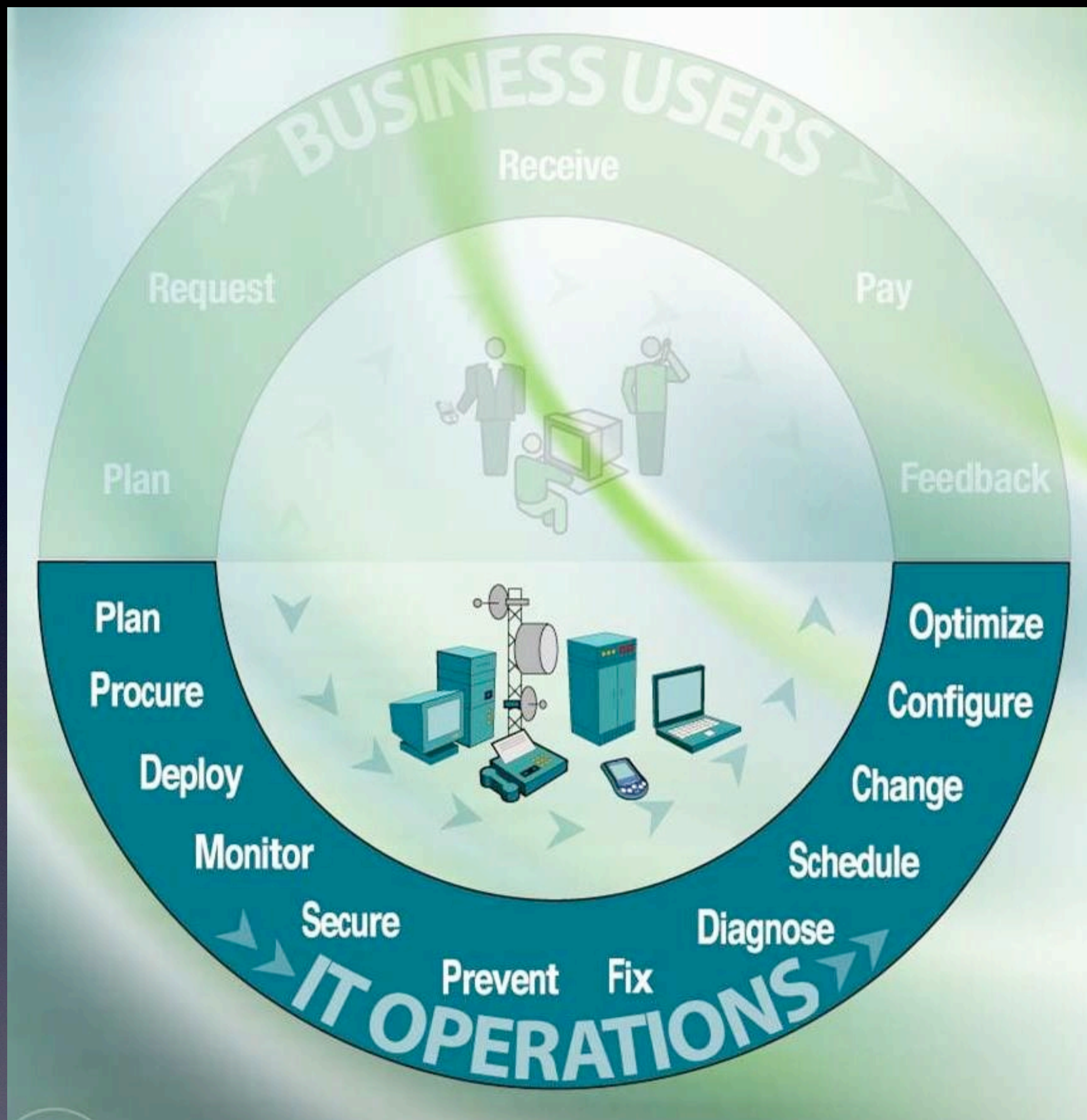


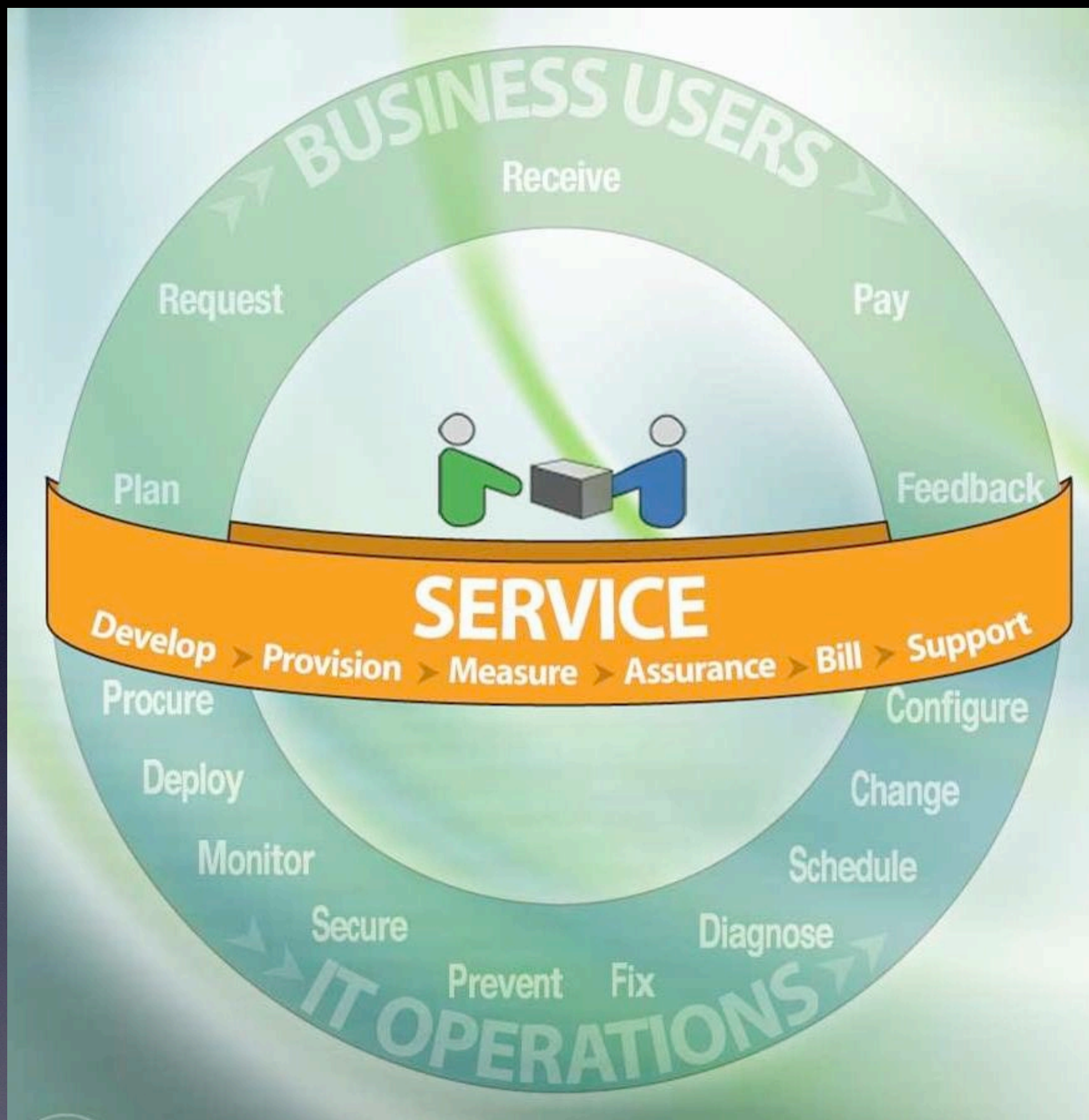
6σ



FICHA DE REVISION DE CONTROLES						
Area	Area:	9.Control de Accesos.	Control			
	SubArea:	9.2. Gestión de Acceso de Usuarios.		Número:	C-77	
	Control:	9.2.3. Gestión de las Contraseñas de Usuario.		Sistema:	SRV-ID2	Tipo:
			Obtención:	AcControl	Fecha:	01-feb-02
Resultado	Control	4-Def	A los usuarios del sistema se les exige una contraseña para acceder al mismo pero ésta no caduca ni existen requisitos para su composición.	Gráfico	EXPOSICION	
	Exposición	4-Ext.Par.	El sistema es accesible a través de: 1.-Red Corporativa 2.-Red de Clientes 3.-Firewall ADSL		IMPACTO	
	Impacto	5-Muy Alto	La deficiencia de este control supone un riesgo para: 1.-Int(5)Conf(3)Dis(4) de Producción 2.-Int(5)Conf(5)Dis(5) de Investigación y Desarrollo		CONTROL	
Analisis	Comentario					
La permisividad en la gestión de las contraseñas de usuario suele derivar en el uso por estos de contraseñas evidentes o triviales que si ademas no se cambian durante largos periodos de tiempo hacen fácil a posibles atacantes acceder a los sistemas sin necesidad de utilizar procedimientos especialmente complejos.						
Recomendación / Solución						
Recomendamos im plantar una política de contraseñas adecuada y dado el alto número de sistemas de la Sociedad estudiar la posibilidad de instalar sistemas como SSO que faciliten la gestión de contraseñas a los usuarios y a los administradores de sistemas reduciendo así el impacto de esta tarea en la Sociedad						
Respuesta						





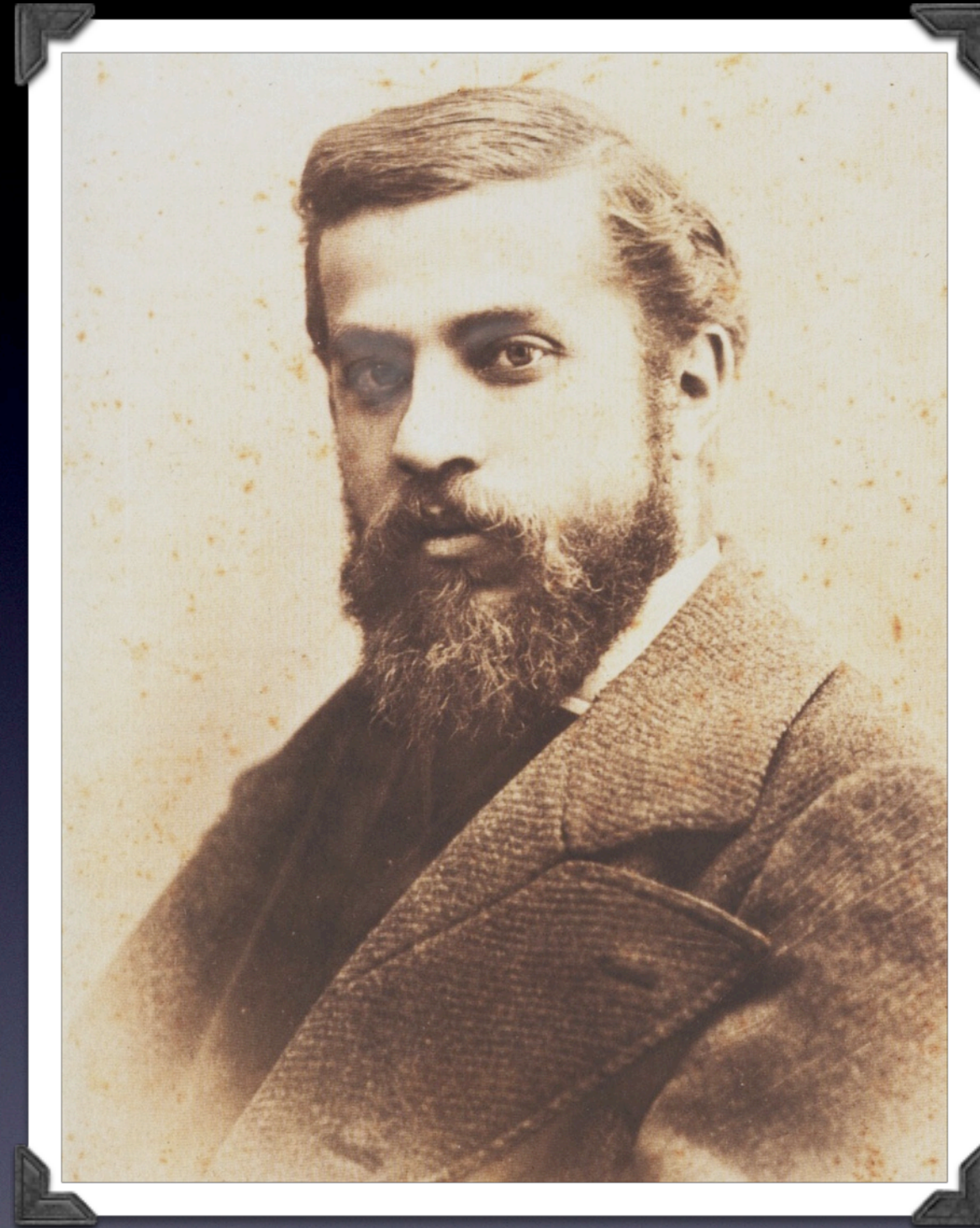






Success

Failure



Antoni Gaudí, 1852 -1926

**'...originality consists in
returning to the origin'**

Ant. Gaudí

THANK YOU

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