



BANK of ZAMBIA

REGIONAL CYBERSECURITY FORUM

Protea Safari Lodge
24th – 28th August, 2008

The Bank of Zambia Experience

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Bank of Zambia

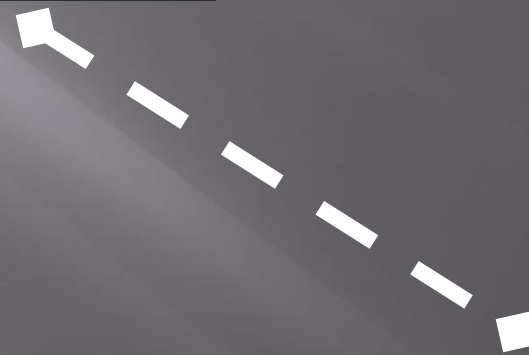
OUTLINE

- **Why IT Standards?**
- **BOZ ICT Adopted Frameworks**
- **Our Experiences**
 - **Incident Management – Best practice Approach Example**
 - **ICT Security Approach**
- **Wrap-up**



POLOCIES , STANDARDS & PROCEDURES

Policies



Procedures



Standards



Why IT Governance

FOCUS AREAS

- ▣ Align activities to Strategy
- ▣ Deliver Value
- ▣ Management Resource prudently
- ▣ Judiciously managing RISKS faced
- ▣ Measure Performance



WHY IT GOVERNANCE.....

Understand Associated Risks and Exploit IT benefits and find ways to deal with:

- *Alignment of IT with Business Strategy*
- *'Standard of due Care'*
- *IT enabling the Business*
- *Obtaining value from IT investments*
- *Providing organizational structures that facilitate the implementation of strategy and goals*
- *Creating constructive relationships and effective communication between the business and IT, and with external partners*
- *Measuring IT's performance*



CONTROL FRAMEWORK FOR IT TO.....

- Linkage to Business Requirements
- Make performance against requirements transparent
- Organize activities into a generally accepted process model
- Identify major resources to be leveraged
- Defining the management control objectives for consideration

Governance and Control Frameworks are becoming a part of IT Management Good Practice and are an Enabler for establishing IT Governance and Complying with Regulatory Requirements.

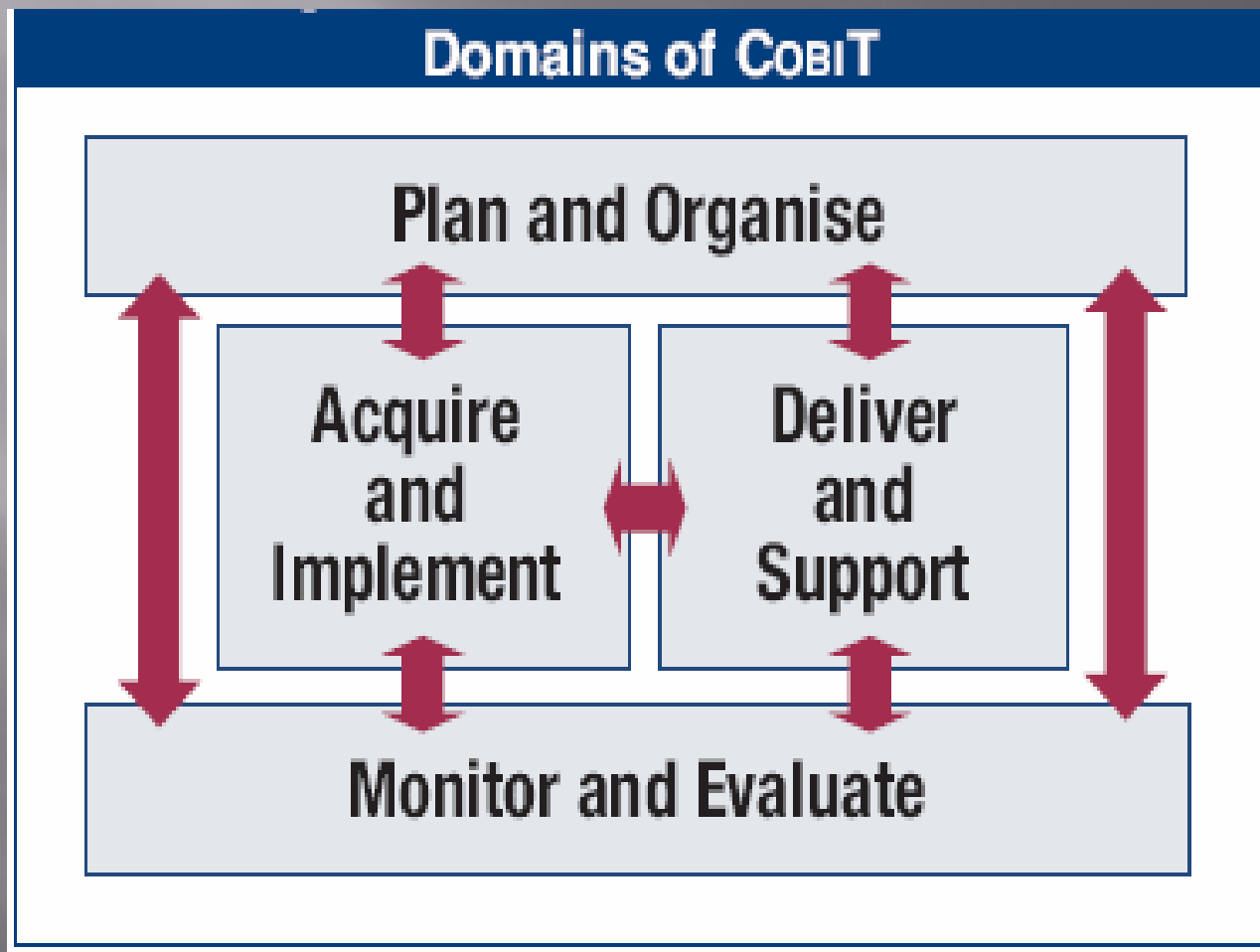


.... Its All About...

- Structured Innovation & Change
- Competitiveness
- Survival
- Growth
- Cost Containment
- Changing technology
- User accessibility
- Business reliance on IT
- Adapting to changing business needs
- Business / IT alignment and fusion
- A commonly accepted, formal body of Knowledge
- Formal recognition by fellow Professionals
- Subscription to a code of ethics

COBIT FRAMEWORK

OVERVIEW - THE FOUR COBIT DOMAINS



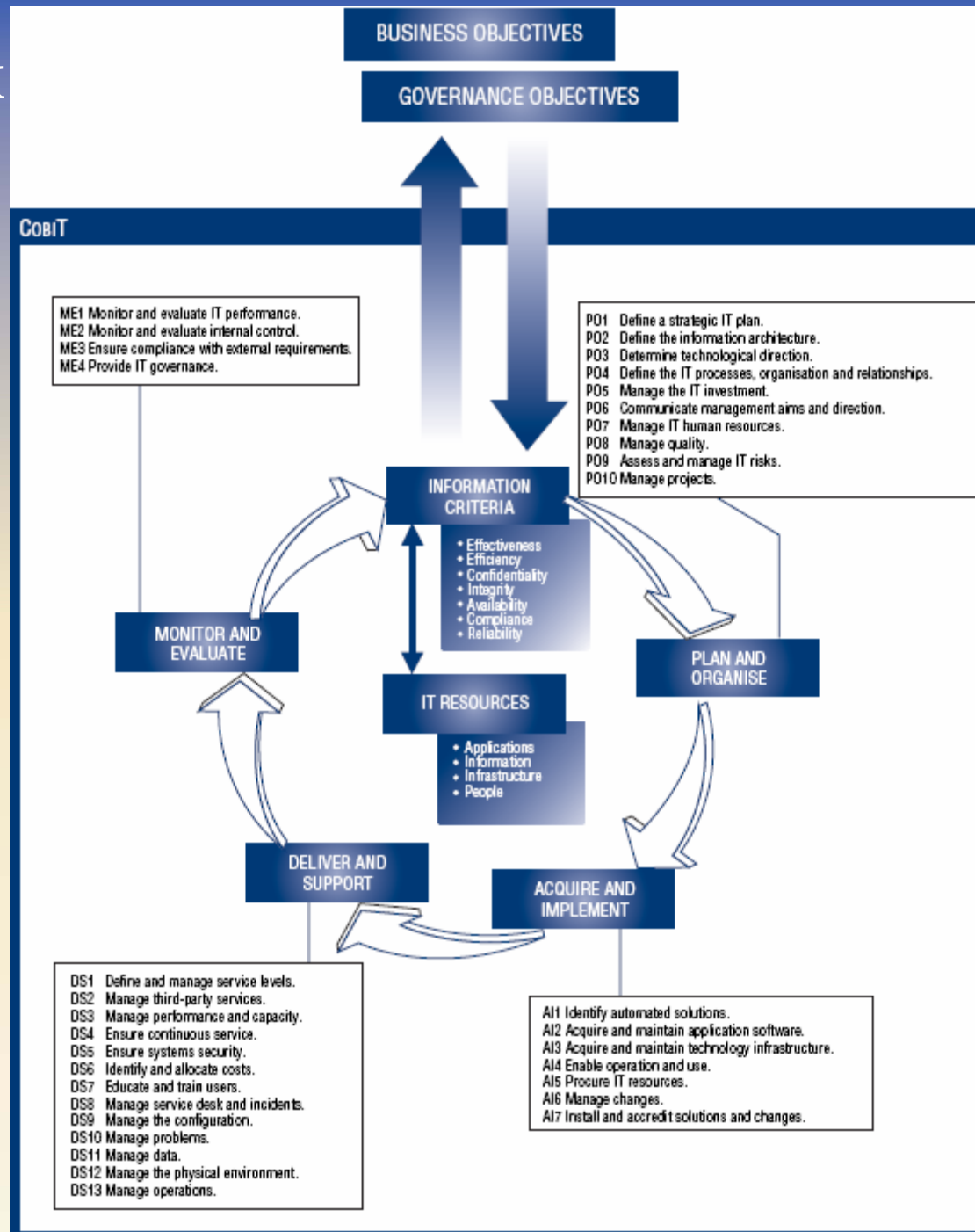
Control

Manage

Measure



COBIT FRAMEWORK



4 Domains

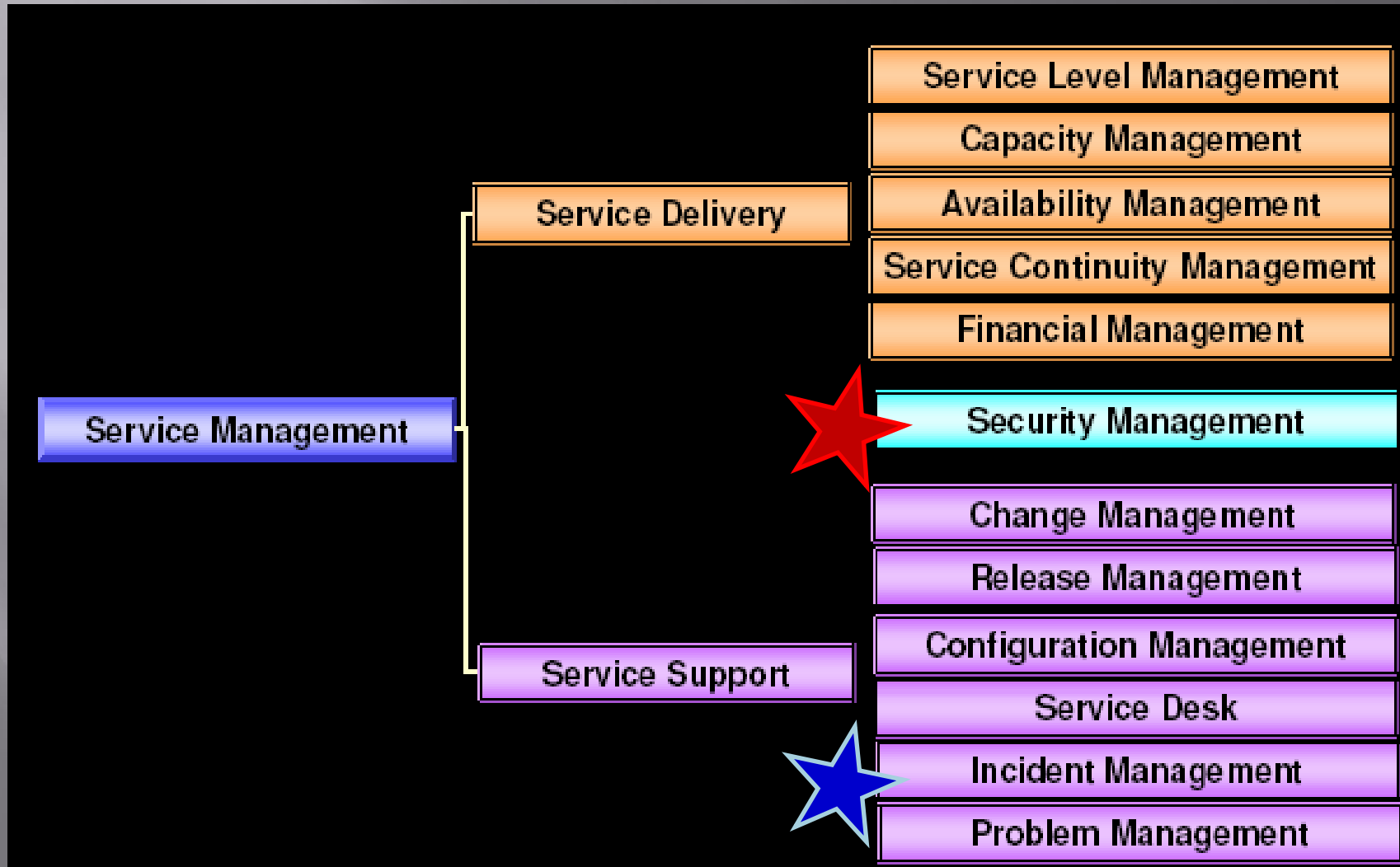
34 IT Processes

Activities

Activities

ITIL SERVICE MANAGEMENT

COMPONENTS



ITIL SM BEST PRACTICE

SERVICE DELIVERY

Capacity Management
Availability Management
Service Level Management
IT Financial Management
IT Service Continuity



ICT SECURITY

ISO 17799 [27002] ADOPTED

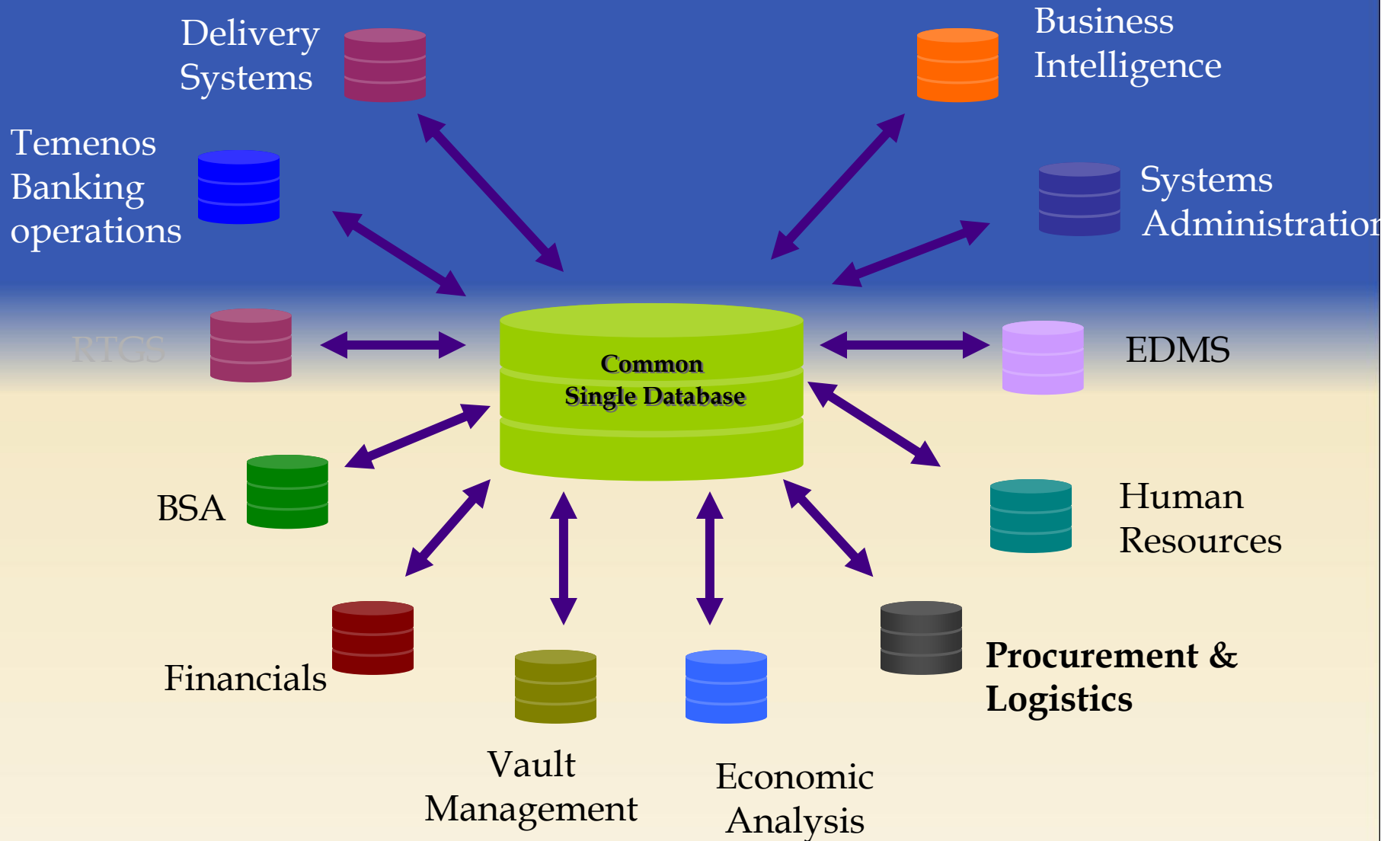
PMBOK – PROJECT MANAGEMENT
ISO27002 *aligned* ICT SECURITY POLICY

COBIT - GOVERNANCE

ITIL – SERVICE MANAGEMENT

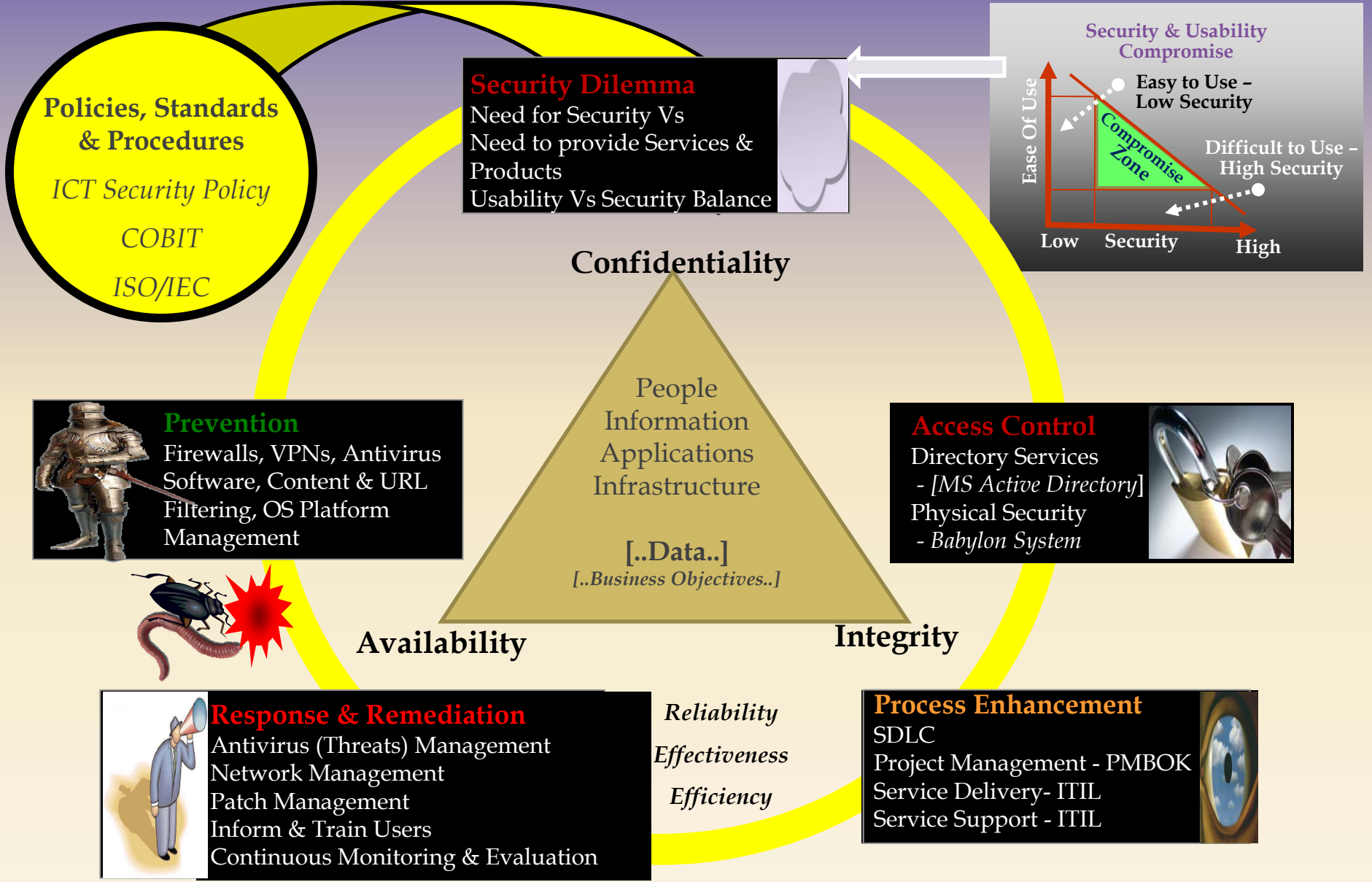


ICT SECURITY ON



CURRENT & PROJECTED SYSTEMS

Security Risk Management



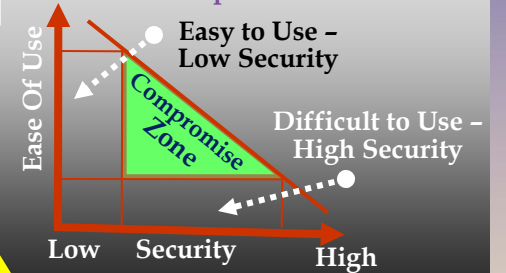
Policies, Standards & Procedures

ICT Security Policy
COBIT
ISO/IEC

Security Dilemma

Need for Security Vs
Need to provide Services &
Products
Usability Vs Security Balance

Security & Usability Compromise



Confidentiality

People
Information
Applications
Infrastructure

[..Data..]

[..Business Objectives..]

Availability

Integrity

Prevention

Firewalls, VPNs, Antivirus
Software, Content & URL
Filtering, OS Platform
Management

Access Control

Directory Services
- [MS Active Directory]
Physical Security
- Babylon System

Response & Remediation

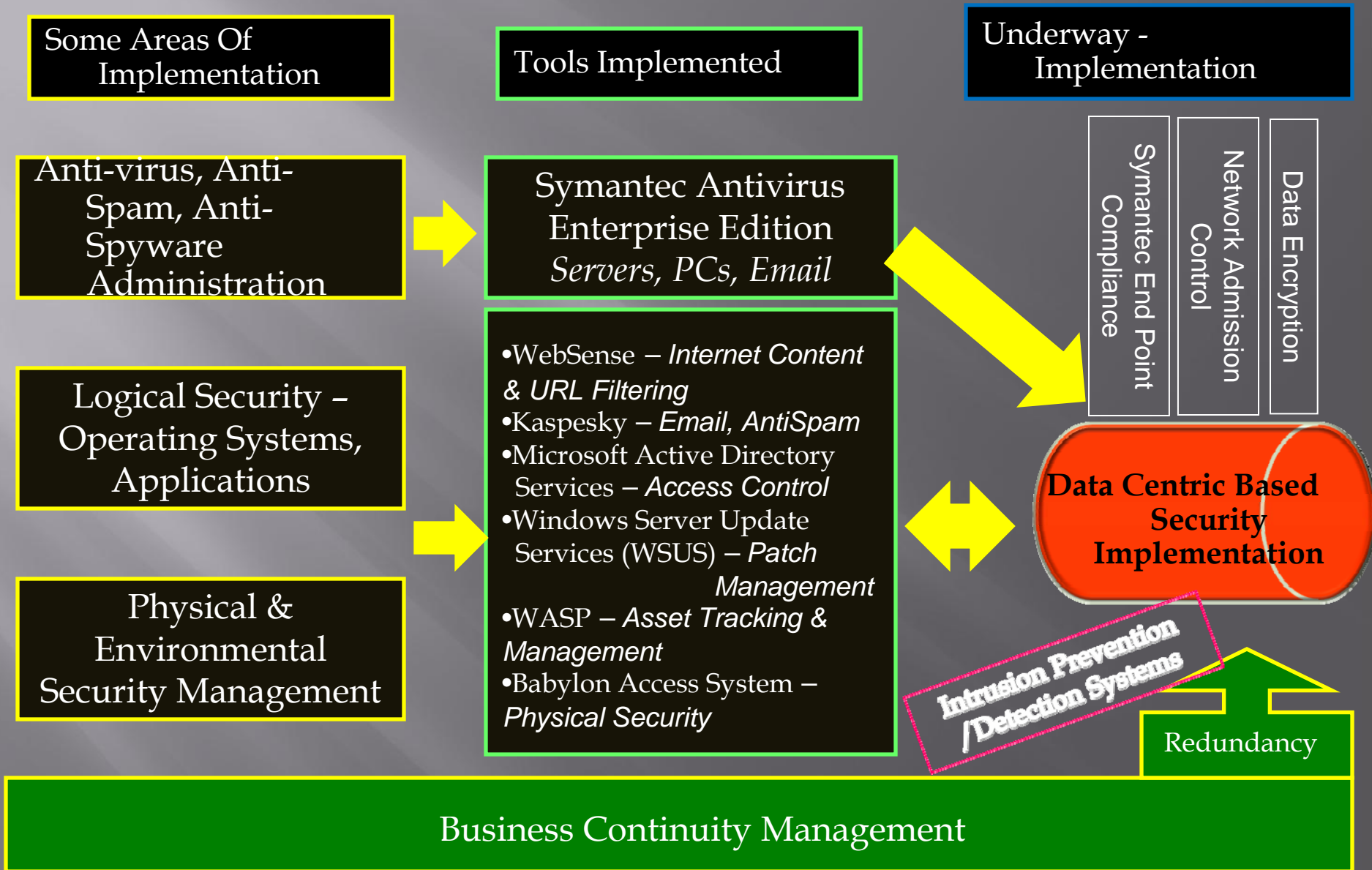
Antivirus (Threats) Management
Network Management
Patch Management
Inform & Train Users
Continuous Monitoring & Evaluation

Reliability
Effectiveness
Efficiency

Process Enhancement

SDLC
Project Management - PMBOK
Service Delivery- ITIL
Service Support - ITIL

ICT Security Implementation



CONCLUSION

- Policy driven approach to addressing Regional Cybersecurity threats
- Guided by Standards
- Internal Quality Assurance Capacity with corporative External Assurance
- Template designs to assist COMESA member states
- Change in business approach on Cybersecurity matters
- COMESA REPSS System Re-alignment to ICT Security and ensure compliance by member states

Condolences



The Board, Management and Staff of the Bank of Zambia wish to express profound grief and sorrow on the demise of His Excellency the President of the Republic of Zambia, Dr. Levy Patrick Mwanawasa S.C.

The Bank would like to register and appreciate the support and autonomy accorded to it by late President Mwanawasa which enabled the Bank to effectively contribute to the current macroeconomic stability.

The late President Mwanawasa inspired and energised the Zambian People and provided sound and able leadership not only to our nation, but to the SADC region as a whole.

The Bank joins the nation in mourning the late President and sends its sincere condolences to the First Lady, the rest of the Family, the Acting President, Cabinet and the entire nation.

May God Guide our great nation during this trying period and may the soul of our beloved President Mwanawasa rest in eternal peace.



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Thank You

Q&A