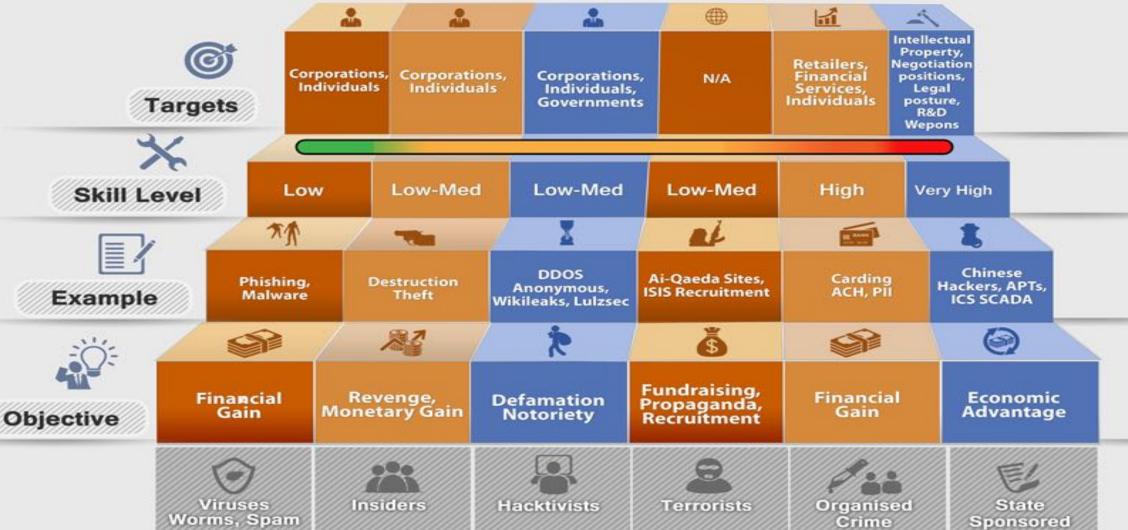






#### CATEGORIES OF THREATS





DEFINED TOPOLOGY MALICIOUS CODE DOCUMENT VICTIM TRAFFICKING VARIETY RESOURCES WEBSITE CONSIDERED ORGANIZED CITATION DOCUMENTED TRAFFICKERS SECOND BOTNET REFERS ACE NO SECURE SPECIFIC **ARVICES** DRUG NATION NOTING DISTRIBUTED DETECT TECHNICAL COMBATTING FINANCIAL DEFENSE PHYSICAL ALLOW LIMITS INFECTED



## ]HackingTeam[





50P to TASKS

IN THIS SECTION

DUR AGENCY



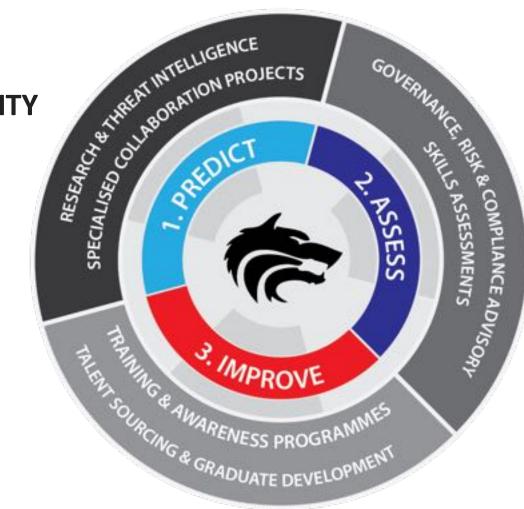
Where to start?



#### 1. UNDERSTAND - BUILDING A RISK AWARE ORGANISATION

1. ANALYSE
THE **THREAT / OPPORTUNITY** 

- GLOBAL
- COUNTRY
- INDUSTRIES
- ORGANISATION



ASSESS YOURWEAKNESS / STRENGTH



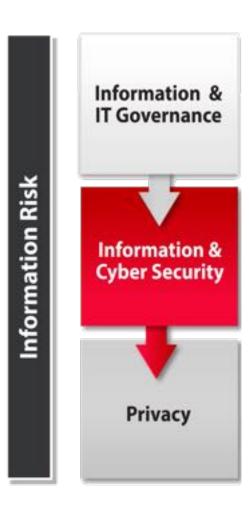
- PEOPLE
- PROCESS
- TECHNOLOGY

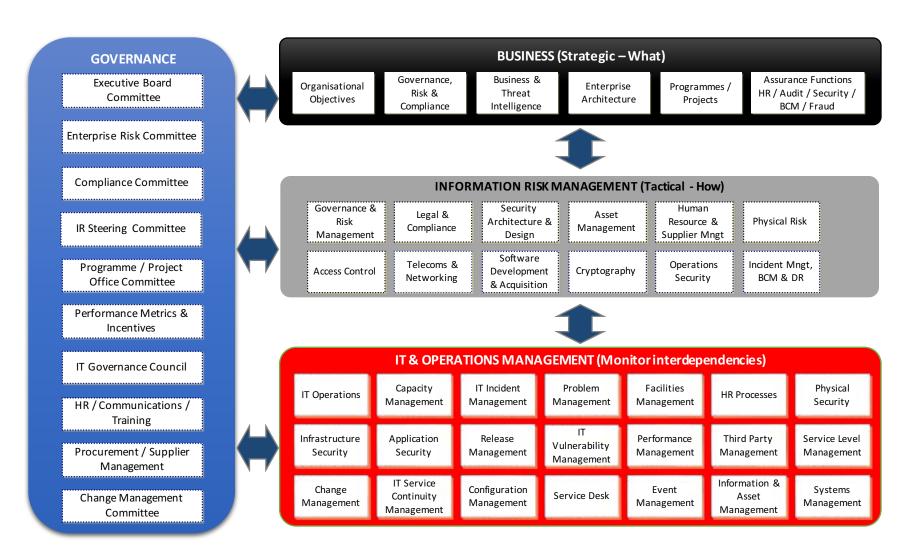


3. IMPROVE YOUR CAPABILITY



#### 2. ESTABLISH ORDER - INFORMATION RISK FRAMEWORK







#### 3. REMEDIATE - ENSURE RISK APPROACH IS INTEGRATED

**RISK MANAGEMENT** 

(ISO 31000)

**GOVERNANCE** 

(KING3 / ISO 38500 / COBIT)

INFORMATION & CYBER SECURITY

(ISO 27001/2/5 / ISO 27032 / SANS 20CC)



CRISIS MANAGEMENT

BCM/DR

(ISO 22301)

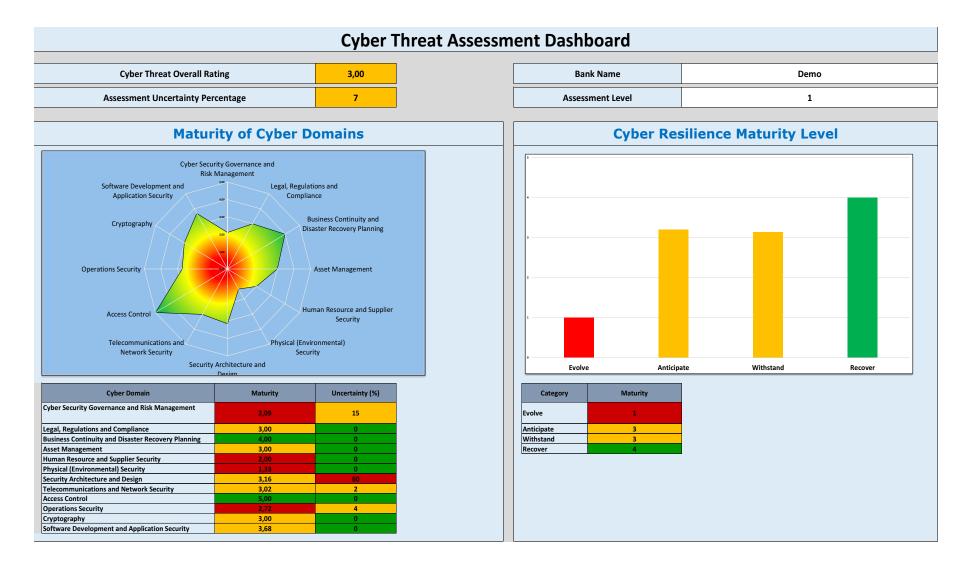
INCIDENT MANAGEMENT

(ISO 27035)

ITIL / ISO 20000

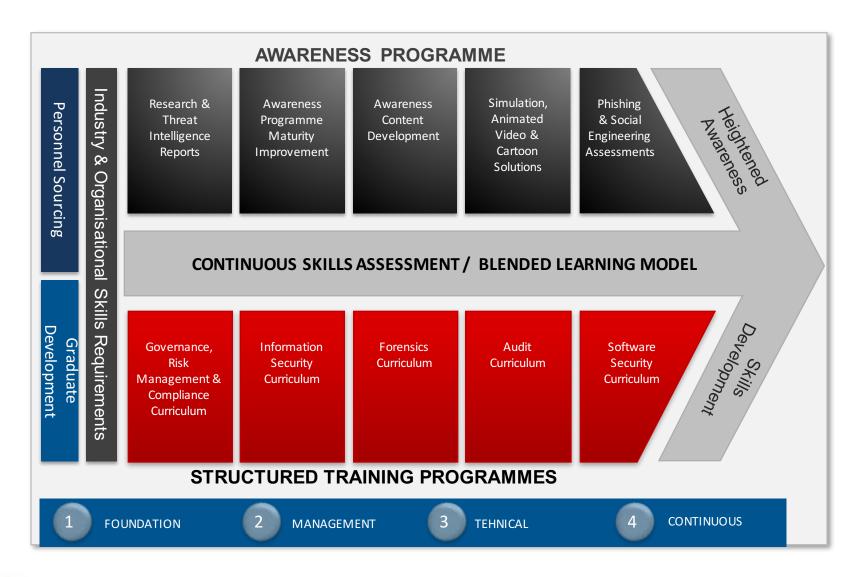


## 4. CONTINUOUS IMPROVEMENT – TEST, AUTOMATE & CERTIFY



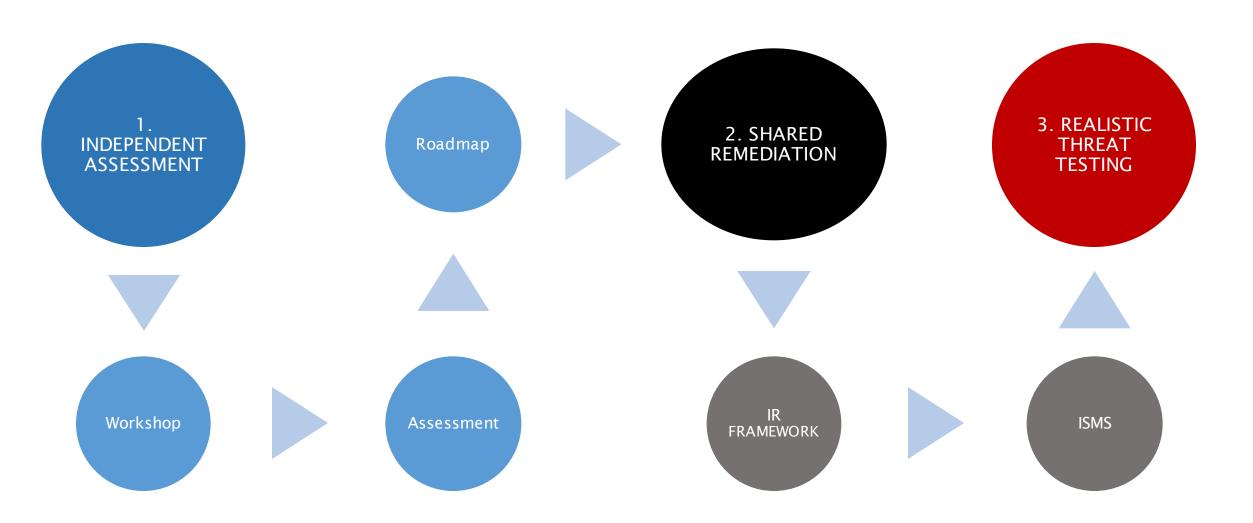


#### 5. SKILL UP - BUILD CAPABILITY





### **SUGGESTED APPROACH**





## **COMMUNITY INITIATIVES**





# GLOBAL THREAT & OPPORTUNITY ECOSYSTEM





## SA NATIONAL CYBERSECURITY STAKEHOLDERS & STRUCTURES

International Bodies | Justice, Crime Prevention and Security Cluster (JCPS) - Cybersecurity Response Committee (SSA lead)

State Security Agency | SA Police Service (SITA) | SA National Defence Force (CSIR DPSS / SITA) | Justice & Corrections (SIU / NPA) | Dept Telecomms & Postal Service (DOC / NCAC) | Dept Science & Tech | Home Affairs | SAPO | AGSA | DPSA | SAFPB...

National Key Points | National, Provincial & Local Government | Citizens | Children STRATEGIC

Industry Bodies - SABRIC | SAFPS | ISPA | SACCI | Regulators...

**TACTICAL** 

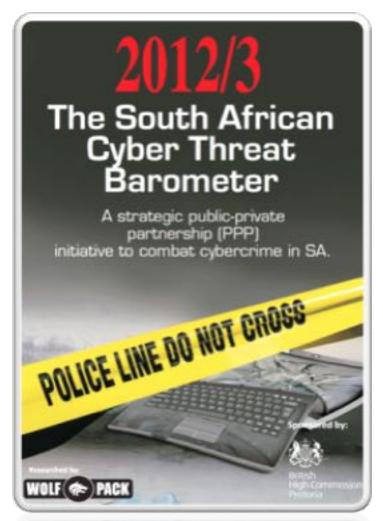
Financial | Retailers | ISPs |
TMT | Manufacturing | Academia | Healthcare | Professional |
Services | Vendors...

**OPERATIONAL** 

Local & International Partners | B2B | B2C | Informal Traders | Customers



#### **NATIONAL FOCUS AREAS**







- 1. AWARENESS
- 2. SKILLS
- 3. CIIP
- 4. CYBER CRIME
- 5. LEGAL

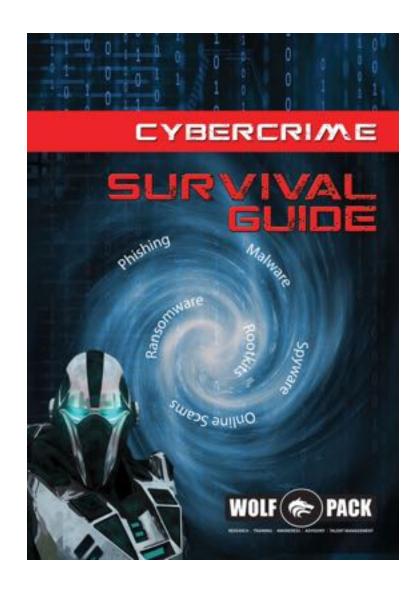




#### **NATIONAL AWARENESS PORTAL**



http://www.alertafrica.com





### **CYBER SECURITY AWARENESS MONTH**





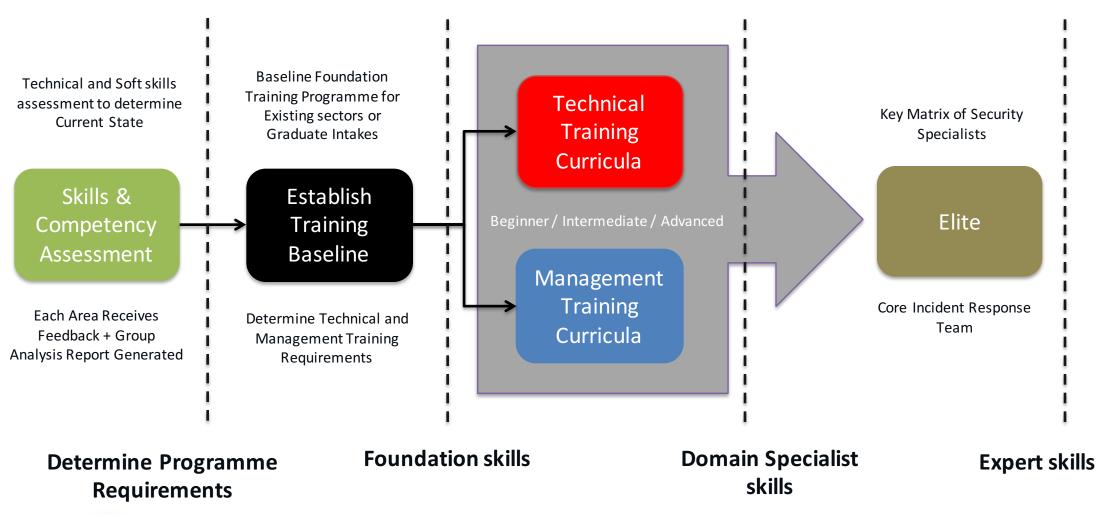






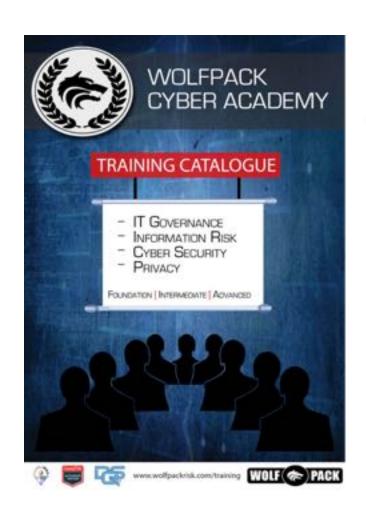


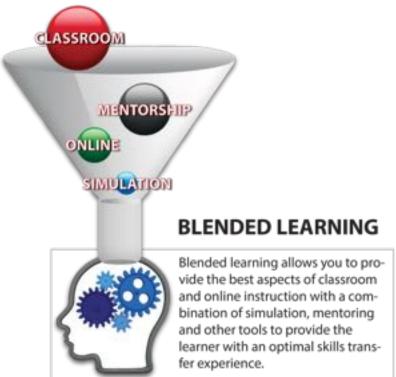
#### **GOVERNMENT CYBER ACADEMY PROGRAMME**





#### **SKILLS TRANSFER**





Over 35 Information Security & Cyber Security Courses

100's of Distance Learning Courses

Foundation | Intermediate | Advanced

Graduate Development Programme

**Tailored Curricula** 



## CRITICAL INFORMATION INFRASTRUCTURE PROTECTION PARTICIPATING INDUSTRIES

Water Systems	Transport
Information Technology	Government Facilities
Energy	Financial Services
Health	Ports
Electricity	Critical Manufacturing
Telecommunication	Other Industry Stakeholders



#### 2015 CIIP SA PROJECT KEY DELIVERABLES

- > Establish a task force to help drive national efforts to enhance cybersecurity and improve Critical Information Infrastructure Protection in South Africa
- ➤ Help empower and raise the importance of proper information and cyber security practices within government and private sector
- > Develop a **public national cybersecurity research report** to coordinate the actions of the task force.
- > Develop a **CIIP framework** covering differing CIIP maturity levels
- > Establish a **secure collaboration platform** to allow for interaction by CIIP stakeholders
- Provide advanced security & incident response training and a targeted awareness programme for key CIIP stakeholders
- > Present findings of report at Cybercon Africa 2015

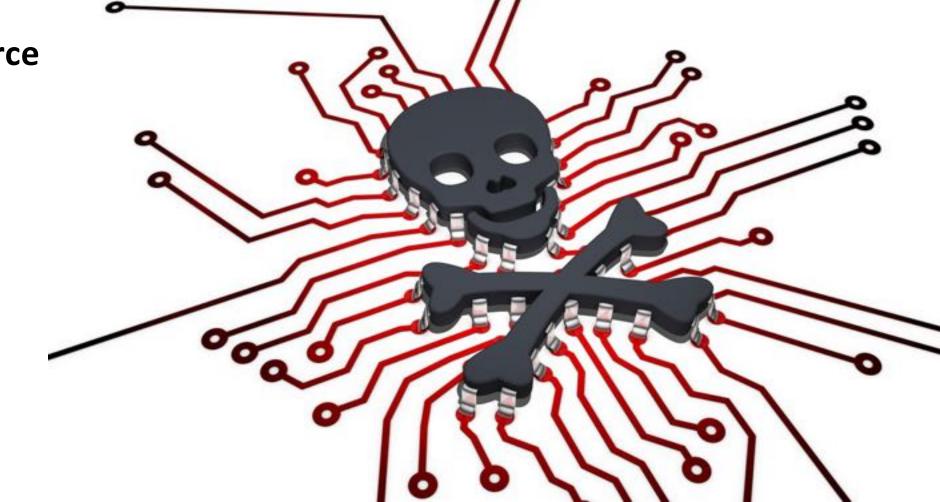




### **CYBERCRIME**

**New Improved Cybercrime Unit in SAPS** 

**Cybercrime Task Force** 





## The Goal – A Safer Country for all

**PROACTIVE** 

Creating stakeholder value

Assured Economic Growth

**Secured National Services** 

Improved Collaboration

Fighting Crime

**Data Breaches** 

Compliance

#### **REACTIVE**

Preserving stakeholder value





