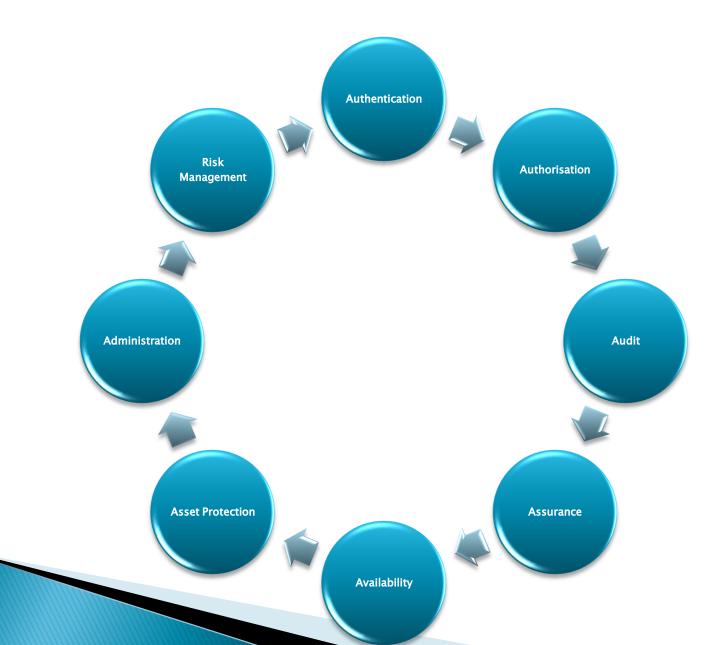
# TOGAF 9 Security Architecture Summarised – 2010

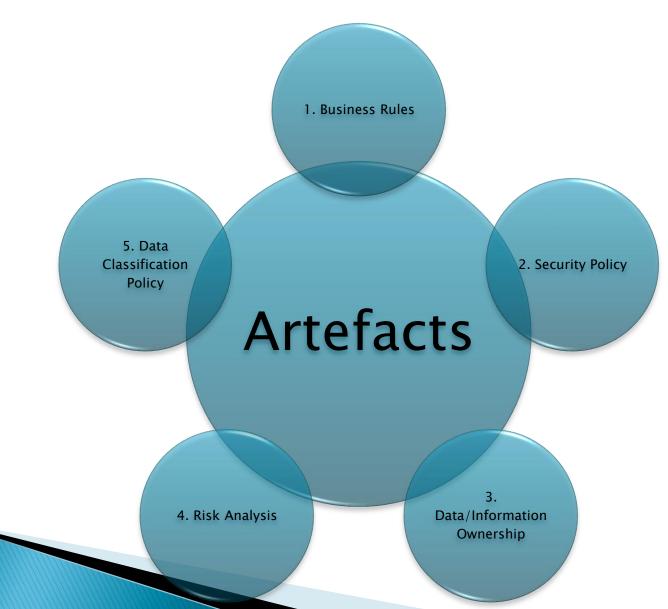
## Security Architecture Characteristics

- Security architecture has its own methods. These methods might be the basis for a discreet security methodology.
- Security architecture composes its own discrete view and viewpoints.
- Security architecture addresses non-normative flows through systems and among applications.
- Security architecture introduces its own normative flows through systems and among applications.
- Security architecture introduces unique, single-purpose components in the design.
- Security architecture calls for its own unique set of skill requirements in the IT architect.

#### Areas of Concern for Security Architecture

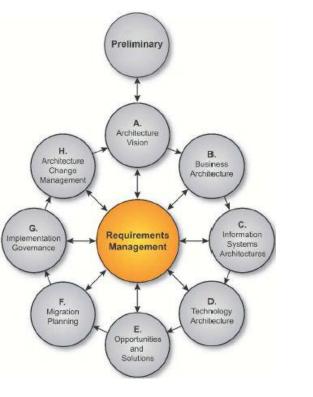


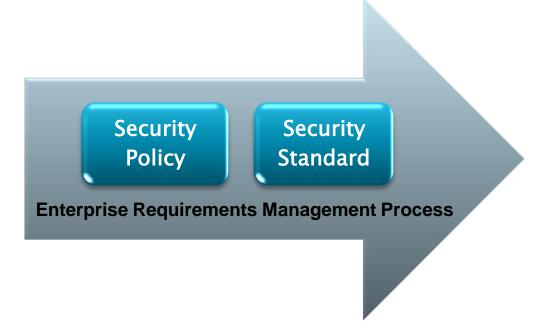
# Security Architecture Artefacts



# ADM – Security Architecture Requirements Management

#### ADM Security Architecture Requirements Management



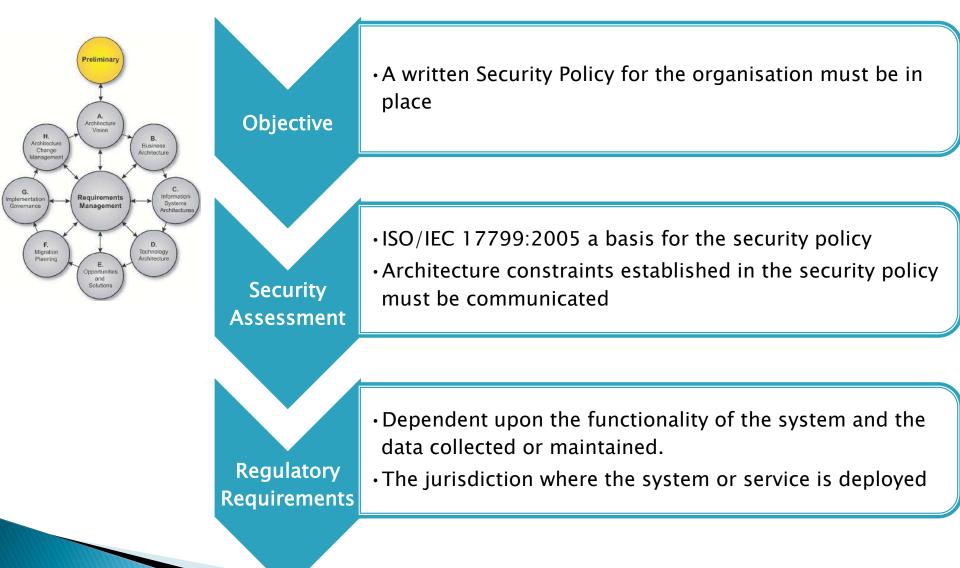


#### New Security Requirements arise from many sources:

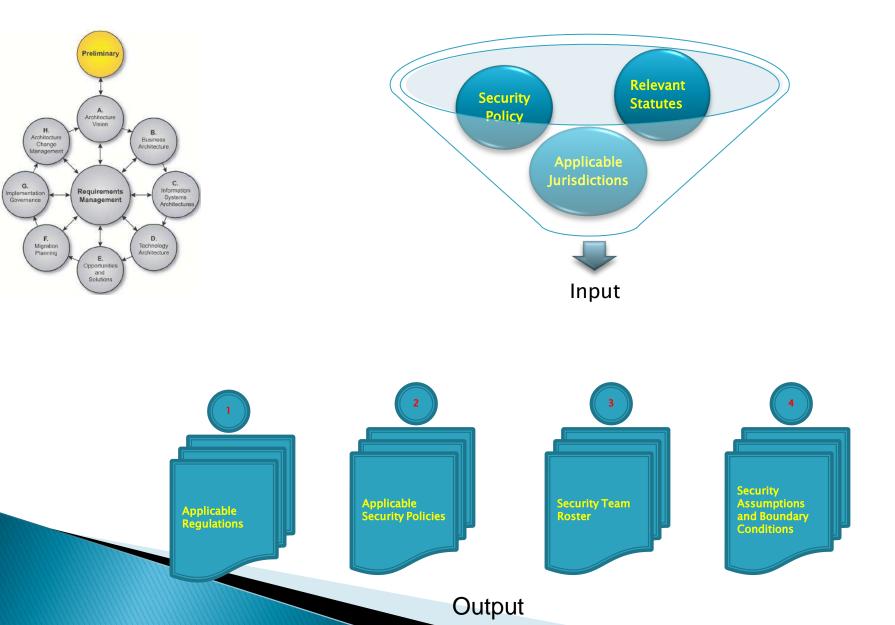


# ADM – Security Architecture Preliminary

## **ADM – Security Architecture Preliminary**

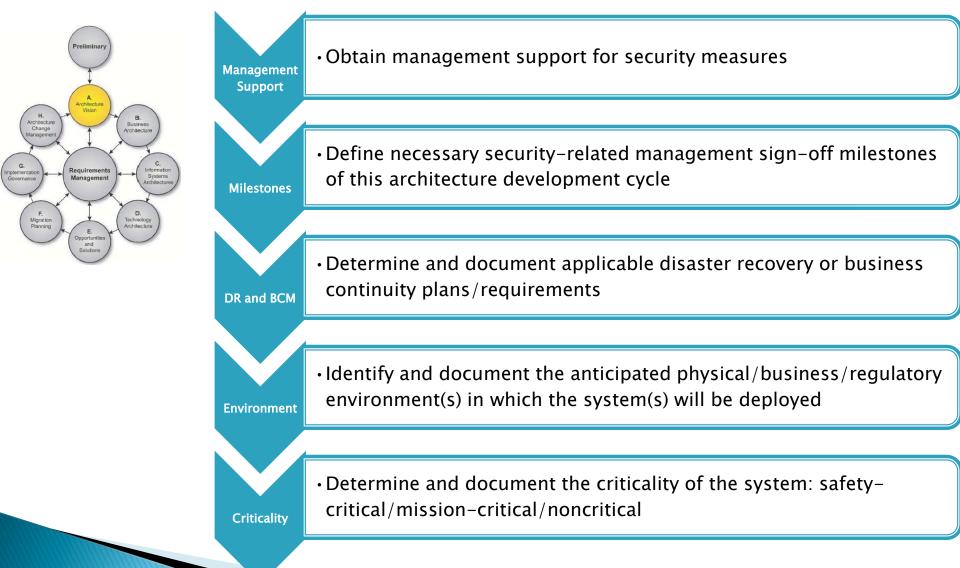


### **ADM - Security Architecture Preliminary**

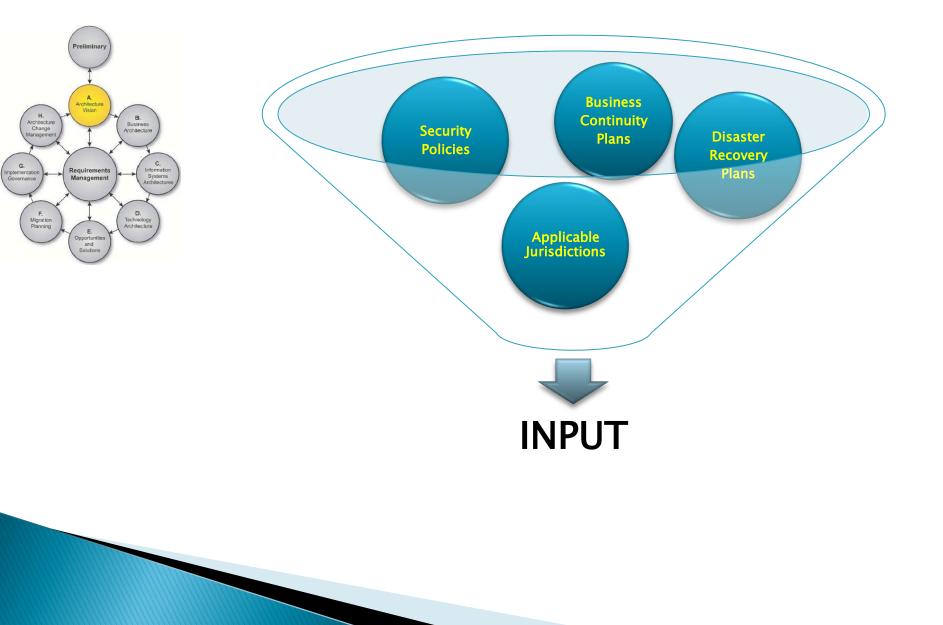


# Phase A – Security Architecture Vision

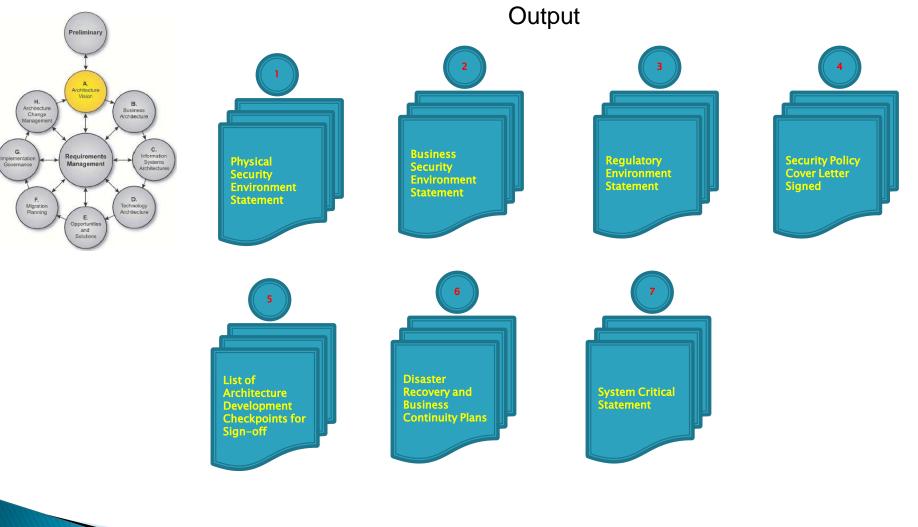
## Phase A - Security Architecture Vision



## Phase A - Security Architecture Vision



## Phase A - Security Architecture Vision



# Phase B – Business Architecture

# Phase B – Business Architecture



- Determine who are the legitimate actors who will interact with the product/ser vice/process
- Assess and baseline current security-specific business processes (enhancement of existing objective)
  - Determine whom/how much it is acceptable to inconvenience in utilizing security measures
  - Identify and document interconnecting systems beyond project control

Assets at Risk

Legitimate

Actors

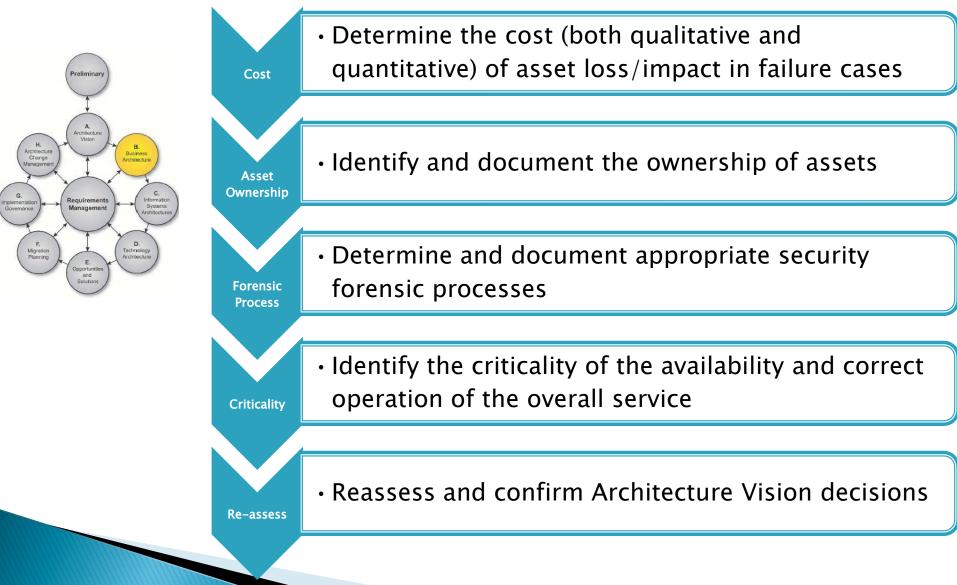
Baseline

Security Measures

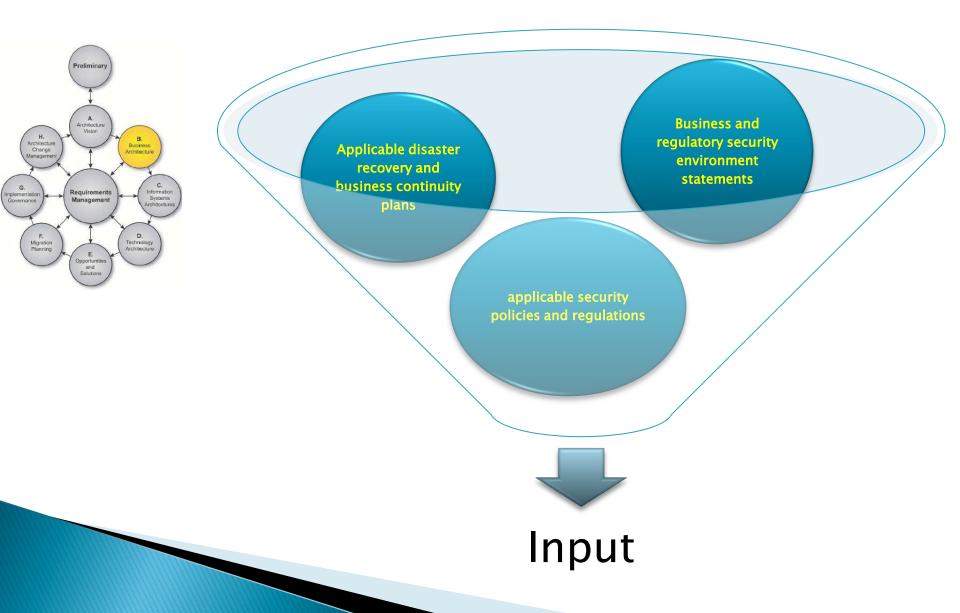
Interconnecting Systems

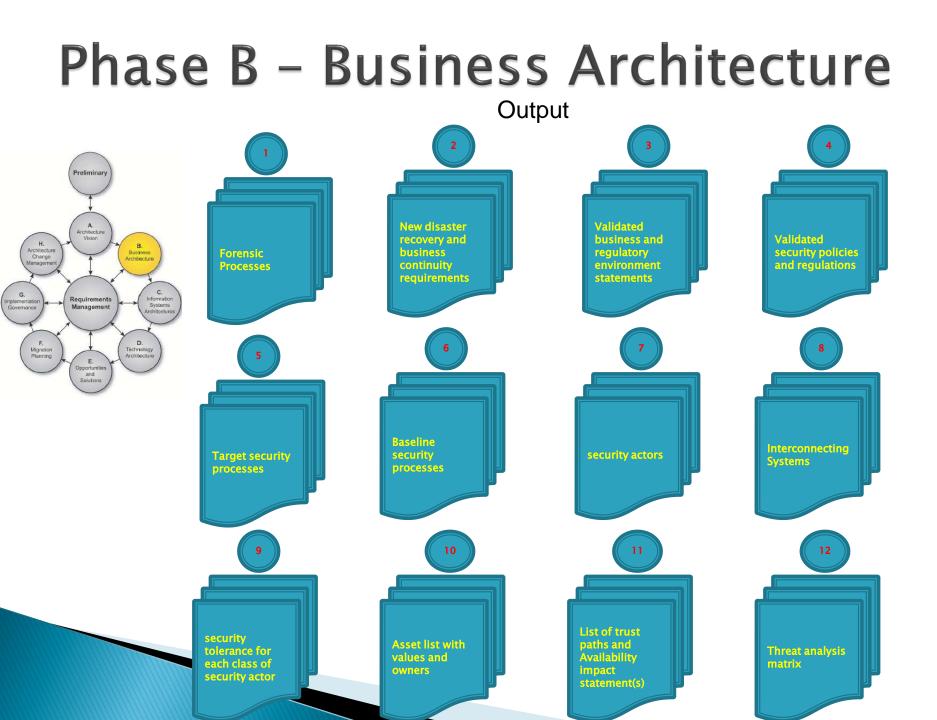
> Determine the assets at risk if something goes wrong – "What are we trying to protect?"

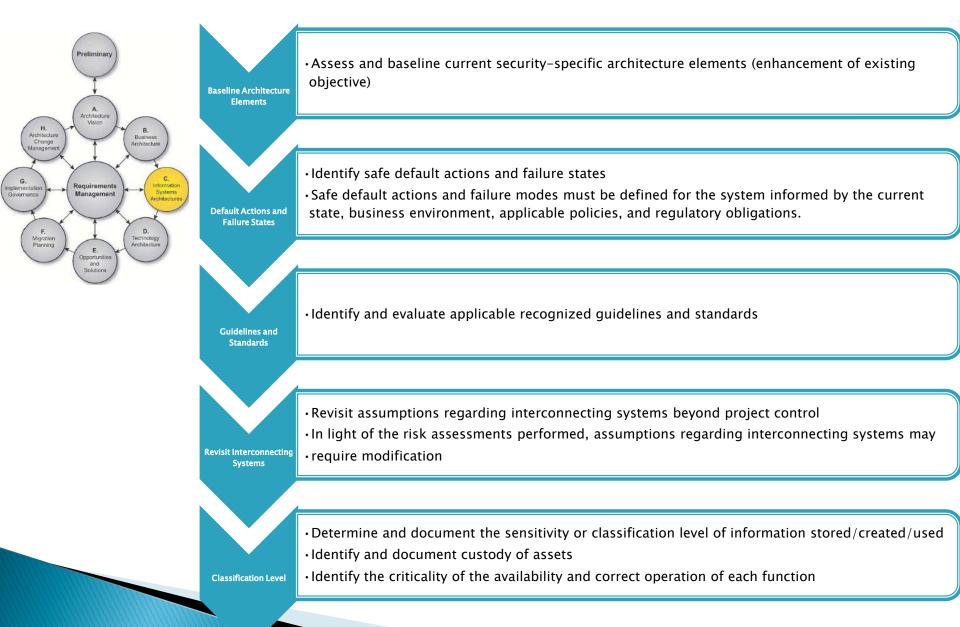
# Phase B – Business Architecture

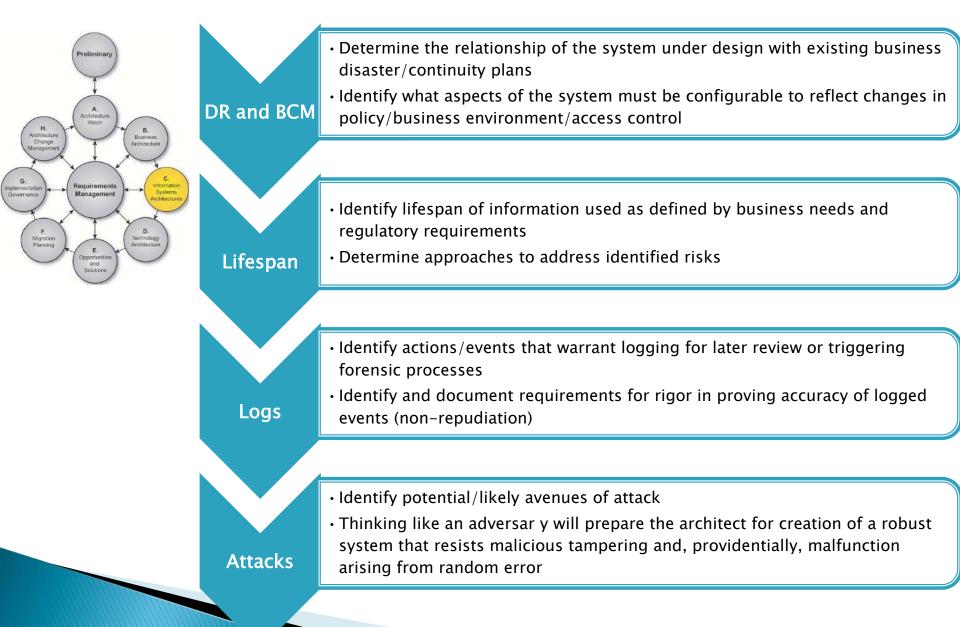


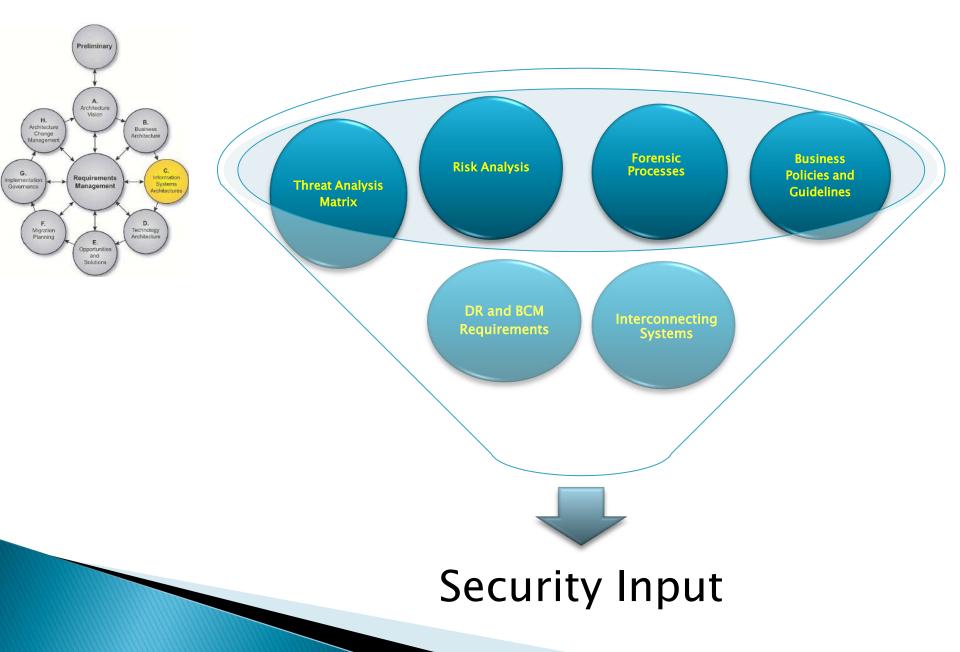
## Phase B – Business Architecture

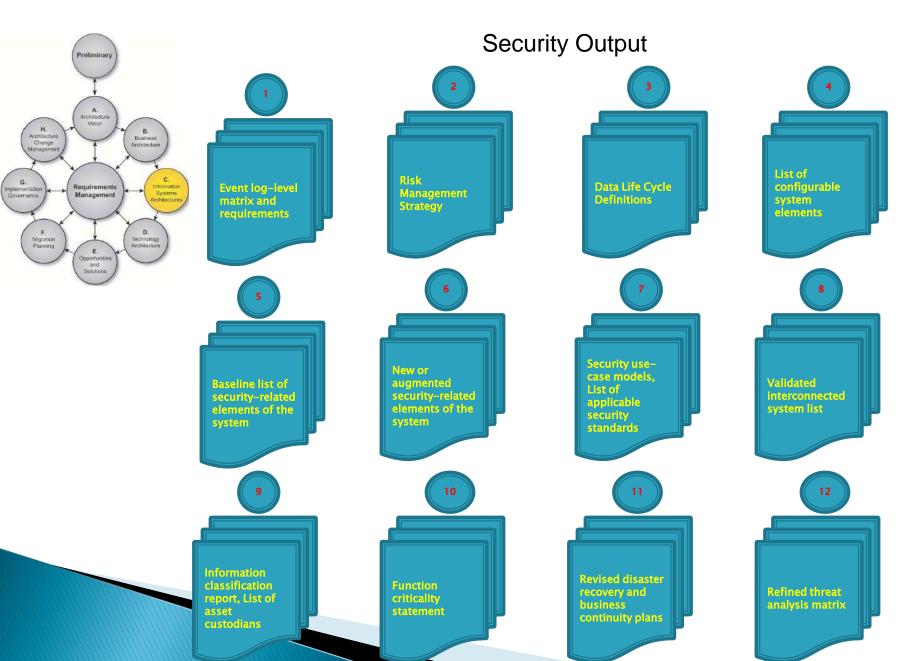






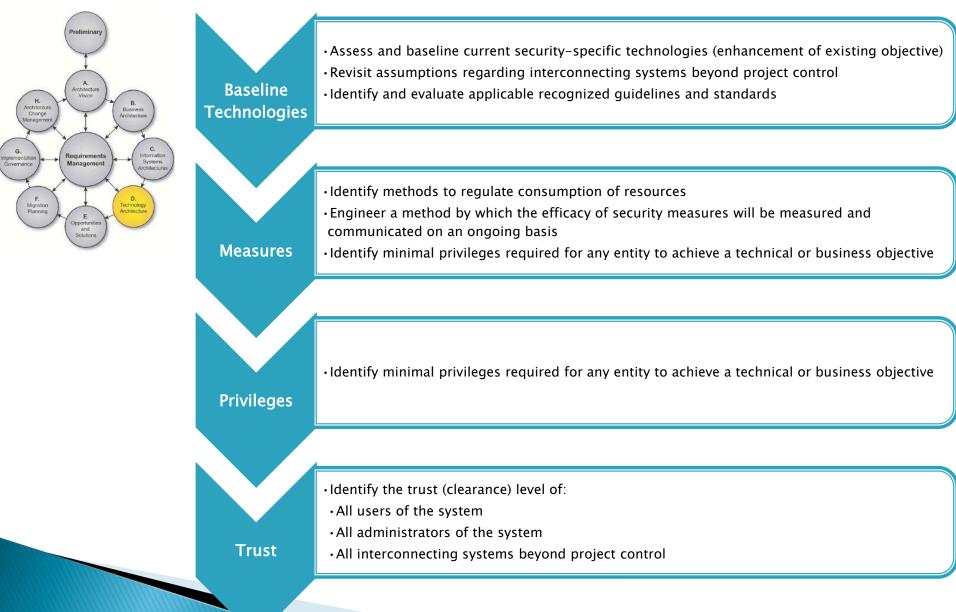




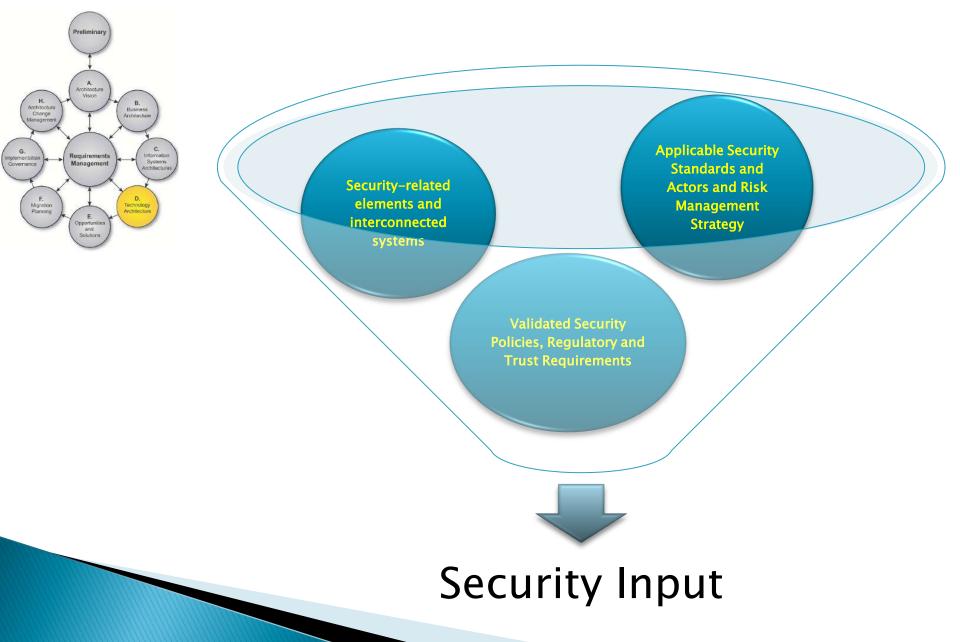


# Phase D – Technology Architecture

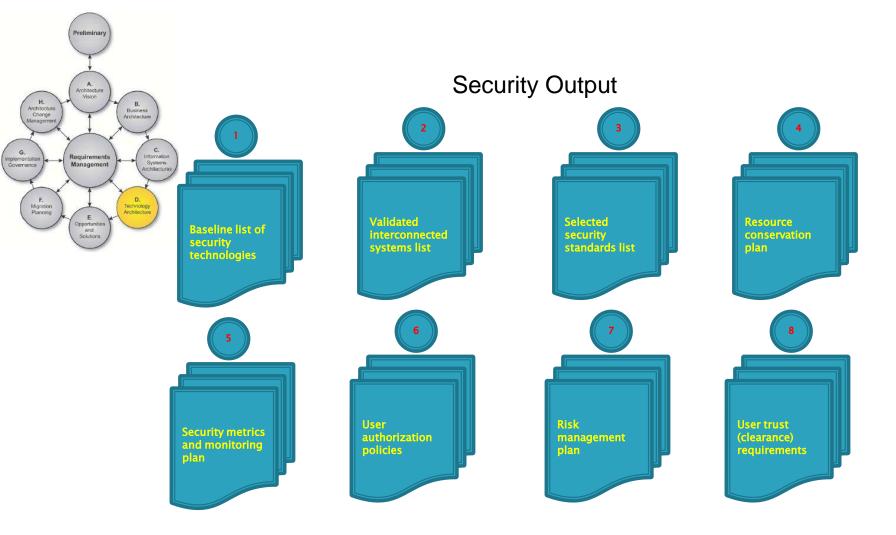
# Phase D - Technology Architecture



# Phase D - Technology Architecture

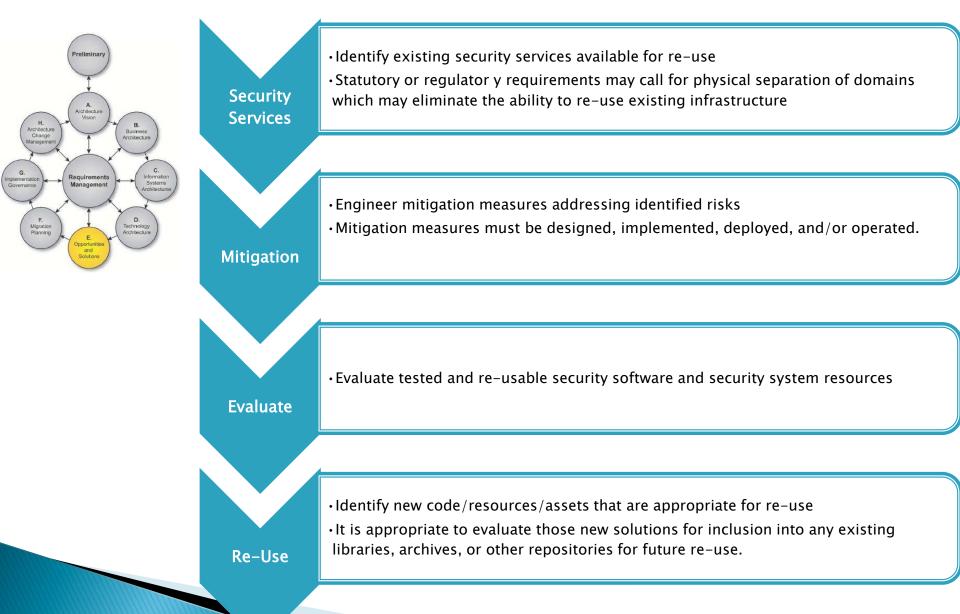


# Phase D - Technology Architecture



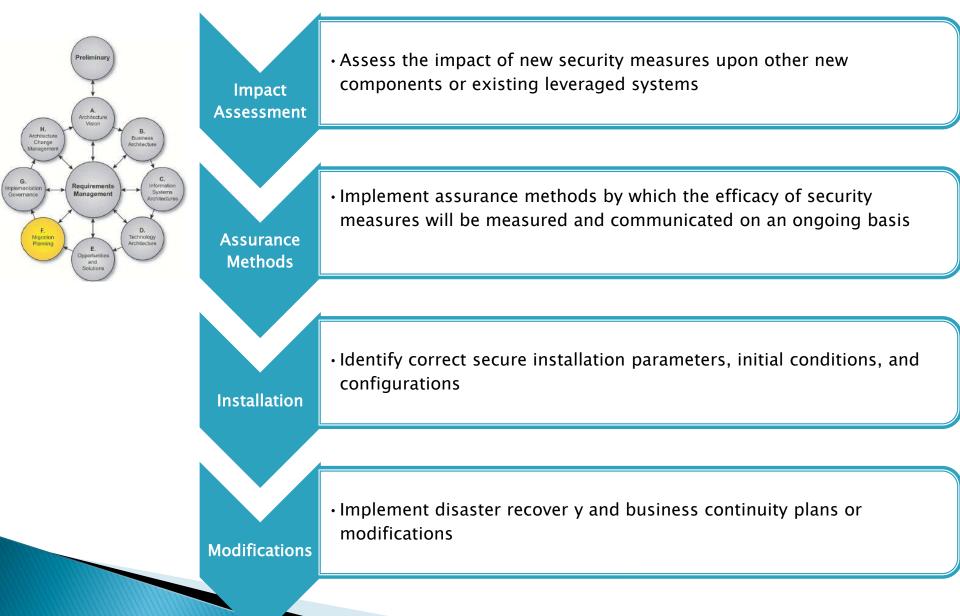
# Phase E – Opportunities and Solutions

## Phase E - Opportunities and Solutions



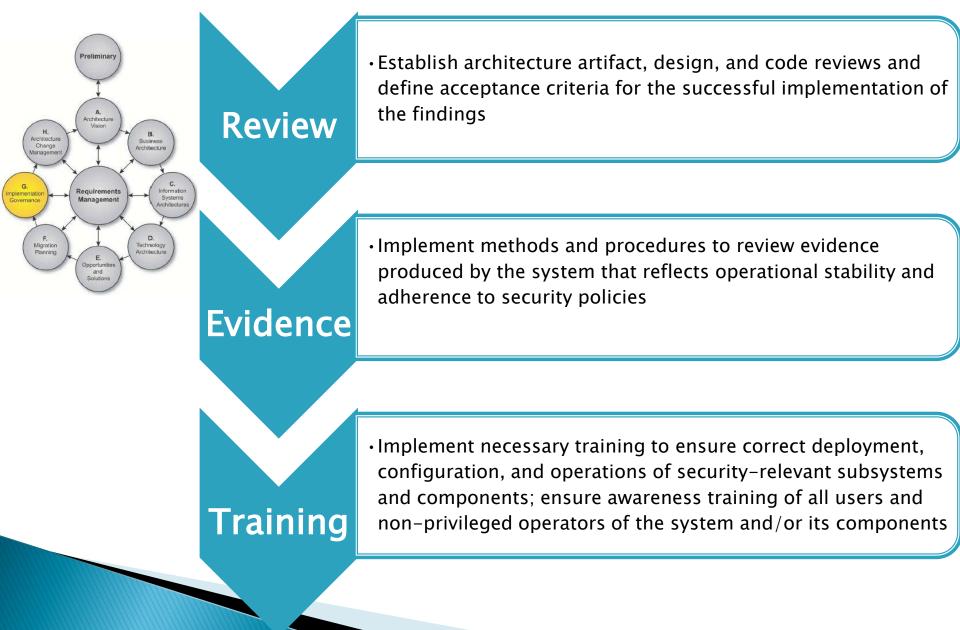
# Phase F – Migration Planning

# Phase F- Migration Planning



## Phase G – Implementation Governance

## Phase G - Implementation Governance



# Phase H – Architecture Change

# Phase H- Architecture Change



 Change is driven by new requirements. Changes in security requirements are often more disruptive than a simplification or incremental change.

• Changes in security policy can be driven by statute, regulation, or something that has gone wrong

Standards

Requirements

Statutes and

Regulations

 Changes in security standards are usually less disruptive since the trade-off for their adoption is based on the value of the change. However, standards changes can also be mandated

# Reference

 TOGAF Version 9, The Open Group Architecture Framework (TOGAF), 2009

# If you have one last breath use it to say...



