

Trustworthy
Computing

TwC Governance- Unified Incident
Response

Private Sector Governance-
Accountability and
Decisioning for Success

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Agenda

- ❑ Microsoft
 - ❑ Corporate Background
 - ❑ Trustworthy (TwC) Computing Background
 - ❑ TwC Governance
- ❑ What Is Governance?
 - ❑ Industry: IT, OCEG
 - ❑ TwC
 - ❑ Example(s)
- ❑ Lessons Learned
- ❑ Key Takeaways

Brain Teaser

FINISHED FILES ARE THE RESULT OF YEARS OF
SCIENTIFIC STUDY COMBINED WITH THE EXPERIENCE
OF YEARS.

*How Many "F's" do you see in the above sentence?
Answer in the Appendix of this deck.*

Microsoft

Microsoft Mission:

“to create a family of devices and services for individuals and businesses that empower people around the globe at home, at work and on the go, for the activities they value most”.

- Founded in 1975
- Corporate headquarters – Redmond, WA (USA)
- Over 100 subsidiaries worldwide
- Over 91,000 employees worldwide
- Core businesses with diverse and distinct focuses

Governance Statement

- *“Long-term thinking guides everything we do to sustain Microsoft's success and create value for shareholders, now and for future. Good corporate governance encourages accountability and transparency, and promotes good decision-making to support our business over decades”.*

Challenges

- Geography, culture
- Business priorities
- Implementation of enterprise programs

Trustworthy Computing (TwC) Background

2002- Malicious Software
2002- Memo from Bill Gates



TwC Governance Organization

- Privacy
- Accessibility
- Global Readiness
- Online Trust and Safety
- Policy and Compliance Management
- Risk Management
- Unified Incident Response

What Is Governance, GRC, etc...

Industry: Information Systems Audit and Control Association (ISACA)

Resource Management:
*Right Skills in the Right place
at the Right time*

Performance Measurement:
*Setting measurable targets
and progress statements*



Strategic alignment:
Aligning strategy to the business for success

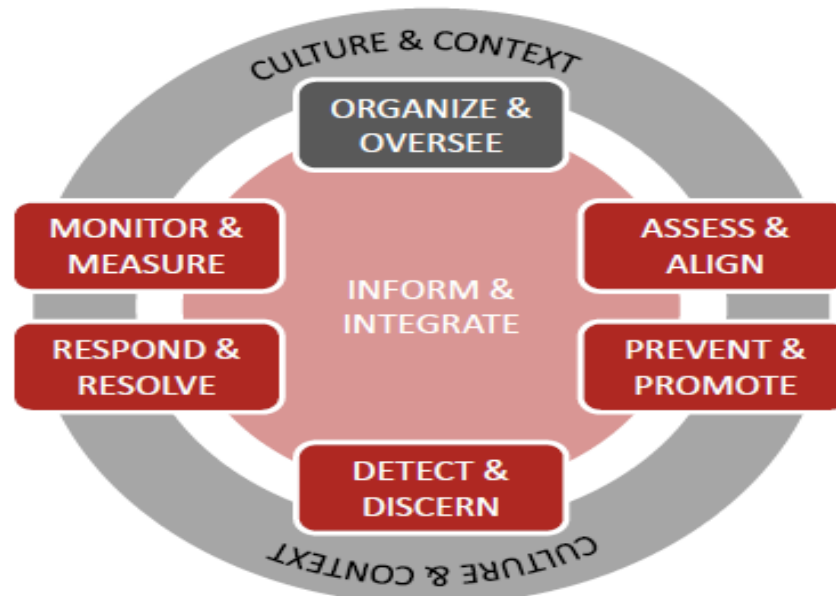
Value delivery:
*Delivering expected and
agreed upon benefits*

Risk management:
*Framework to identify,
monitor and manage risk*

The decision rights and accountability framework for encouraging desirable behavior in the use of IT.

Industry: Open Compliance and Ethics Group (OCEG)- GRC

8 INTEGRATED COMPONENTS



MONITOR & MEASURE

- M1 – Context Monitoring
- M2 – Performance Monitoring
- M3 – Systemic Improvement
- M4 – Audit & Assurance

INFORM & INTEGRATE

- I1 – Info Management & Documentation
- I2 – Internal & External Communication
- I3 – Technology & Infrastructure

RESPOND & RESOLVE

- R1 – Internal Review & Investigation
- R2 – Third-Party Inquiry & Investigation
- R3 – Corrective Controls
- R4 – Crisis Response & Recovery
- R5 – Remediation & Discipline

CONTEXT & CULTURE

- C1 – External Business Context
- C2 – Internal Business Context
- C3 – Organizational Culture
- C4 – Values & Objectives

ORGANIZE & OVERSEE

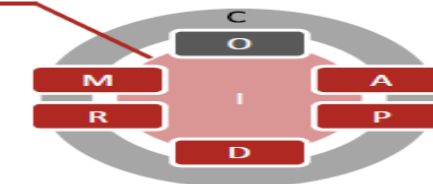
- O1 – Outcomes & Commitment
- O2 – Roles & Responsibilities
- O3 – Approach & Accountability

ASSESS & ALIGN

- A1 – Risk Identification
- A2 – Risk Analysis
- A3 – Risk Optimization

PREVENT & PROMOTE

- P1 – Codes of Conduct
- P2 – Policies
- P3 – Preventive Controls
- P4 – Awareness & Education
- P5 – Human Capital Incentives
- P6 – Stakeholder Relations
- P7 – Risk Financing & Insurance



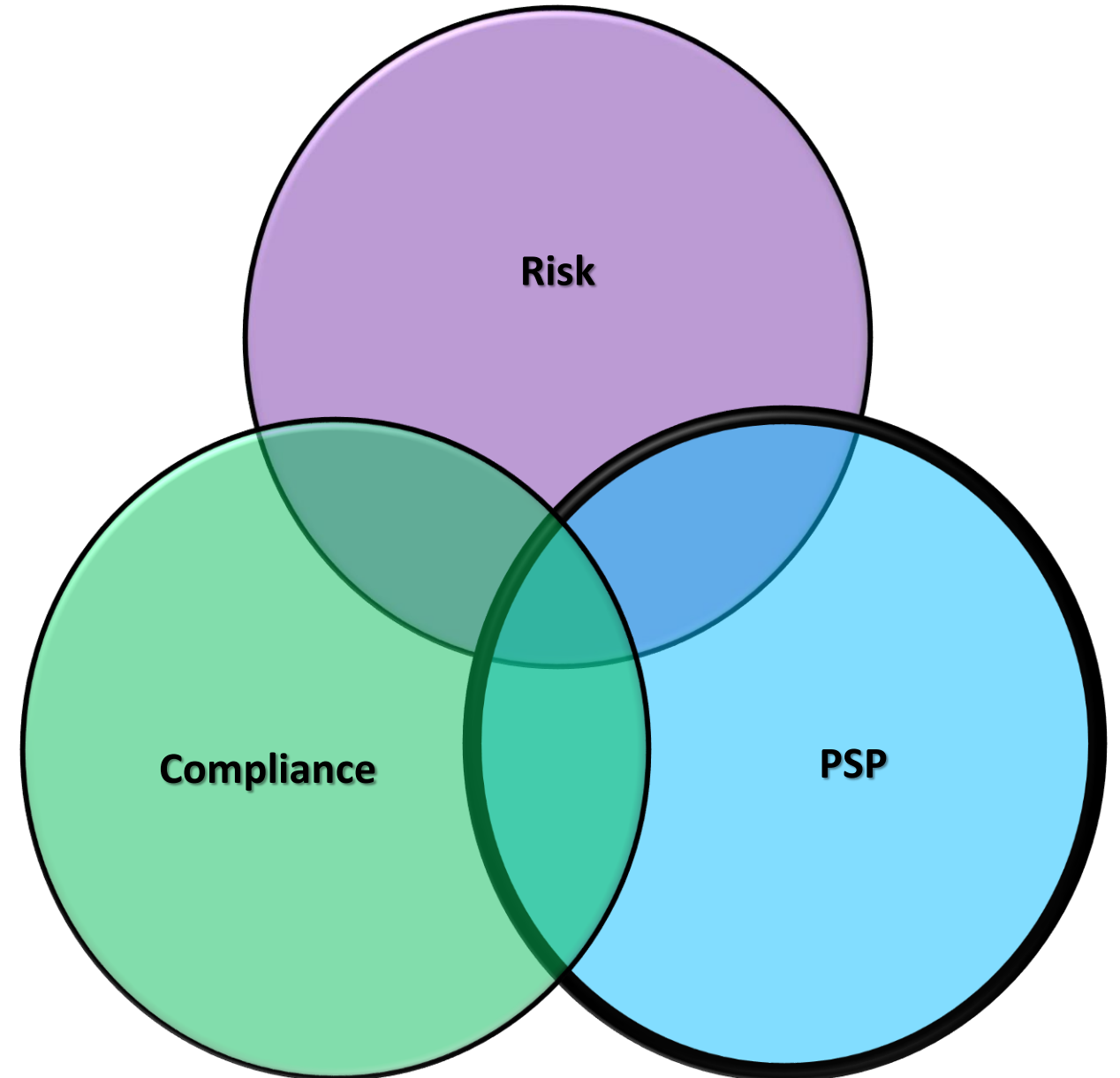
DETECT & DISCERN

- D1 – Hotline & Notification
- D2 – Inquiry & Survey
- D3 – Detective Controls

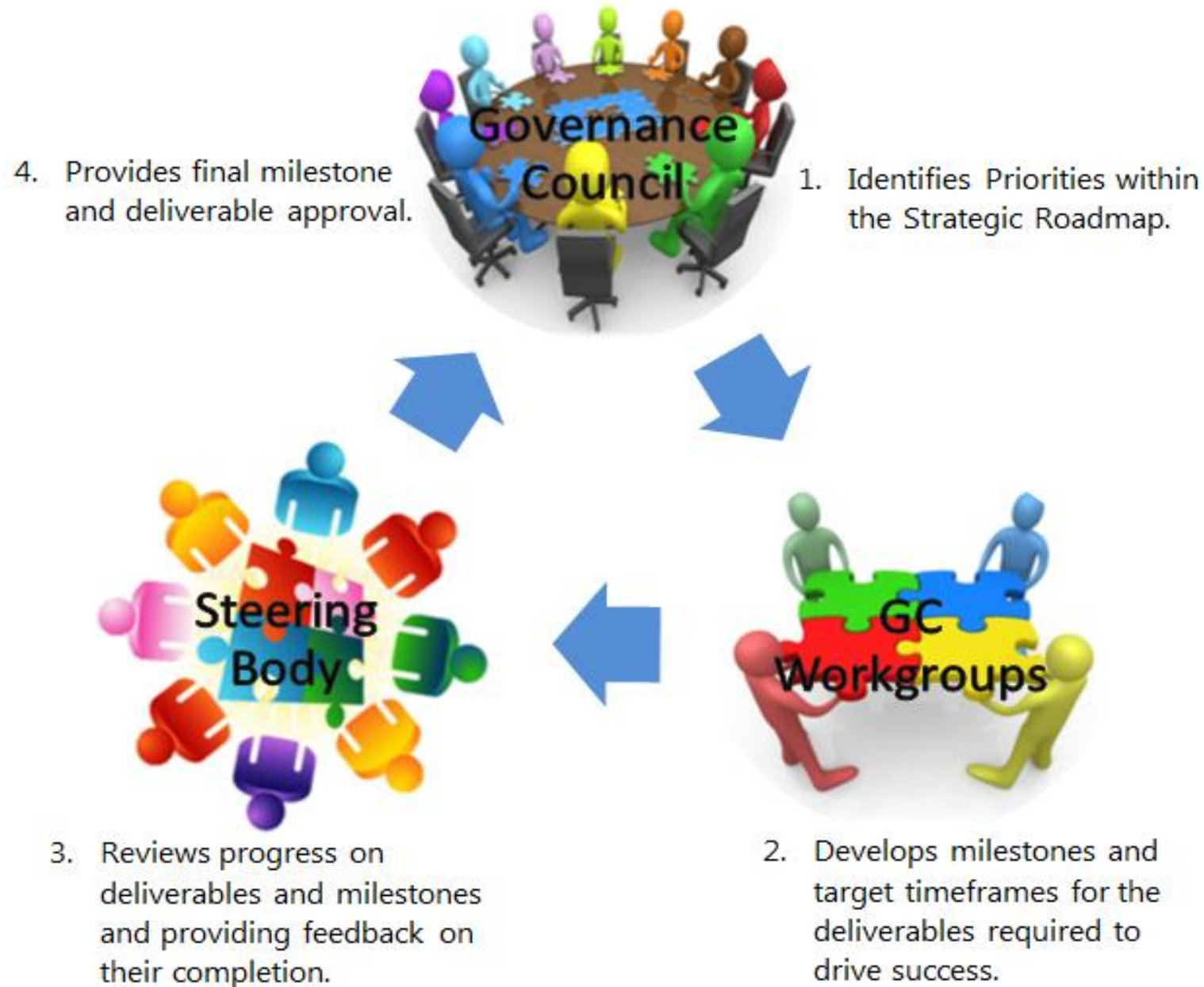
What Drives the Need: Culture, Competition and/or Competitive Advantage, etc...¹⁰

MS: TwC Governance Function

- ❑ Policies, Standards and Procedures (PSP)
 - ❑ Policy “Why”- A statement of intent from a governing authority that guides business decisions in order to direct an organization's actions in pursuit of long term objectives
 - ❑ Standard “What”-A documented requirement, rule, or practice monitored for compliance, and used to direct actions to satisfy the intent of a policy in whole or in part.
 - ❑ Procedure “How”- A description of specific steps or a process that, when completed, satisfies in whole or in part one or more Standards.
- ❑ Risk- “**What** are the Challenges”
- ❑ Compliance- “**How** Well are they being managed”



MS: TwC Governance Function, cont



Partnership: Cross org, collaborative Council leveraging multiple teams' talent to define and make operational an appropriate governance model.

Priorities and Process: Strategic Roadmap Development, Work Group Activities and Steering Body review.

MS: TwC Governance Function, cont

Policies, Standards and Procedures (PSP) Development and Approval Process

or How a Bill becomes a Law



The **Risk Management Phase** is where the risks are identified and mapped to existing PSPs to determine what new PSPs are needed



The **Define Phase** is where the majority of the PSP content is created and reviewed by the peers of the Policy author. This includes the initial proposal, defining the OARP, Risk and Applicability information, the deployment plan, and several other pieces of information.



In the **Limited Review Phase**, the information including the OARP is reviewed by the PGC Steering Committee to help ensure a smooth and complete review process. In addition, the prep work begins to get the content ready in the compliance tools for a much broader review.



As defined in the OARP the **Broad Review Phase** provides a mechanism to communicate and get feedback from across the company about your proposal and how it will be implemented.



In the **Approve Phase**, All proposals for the current cycle are collected together for presentation to the approvers as defined in the OARP.

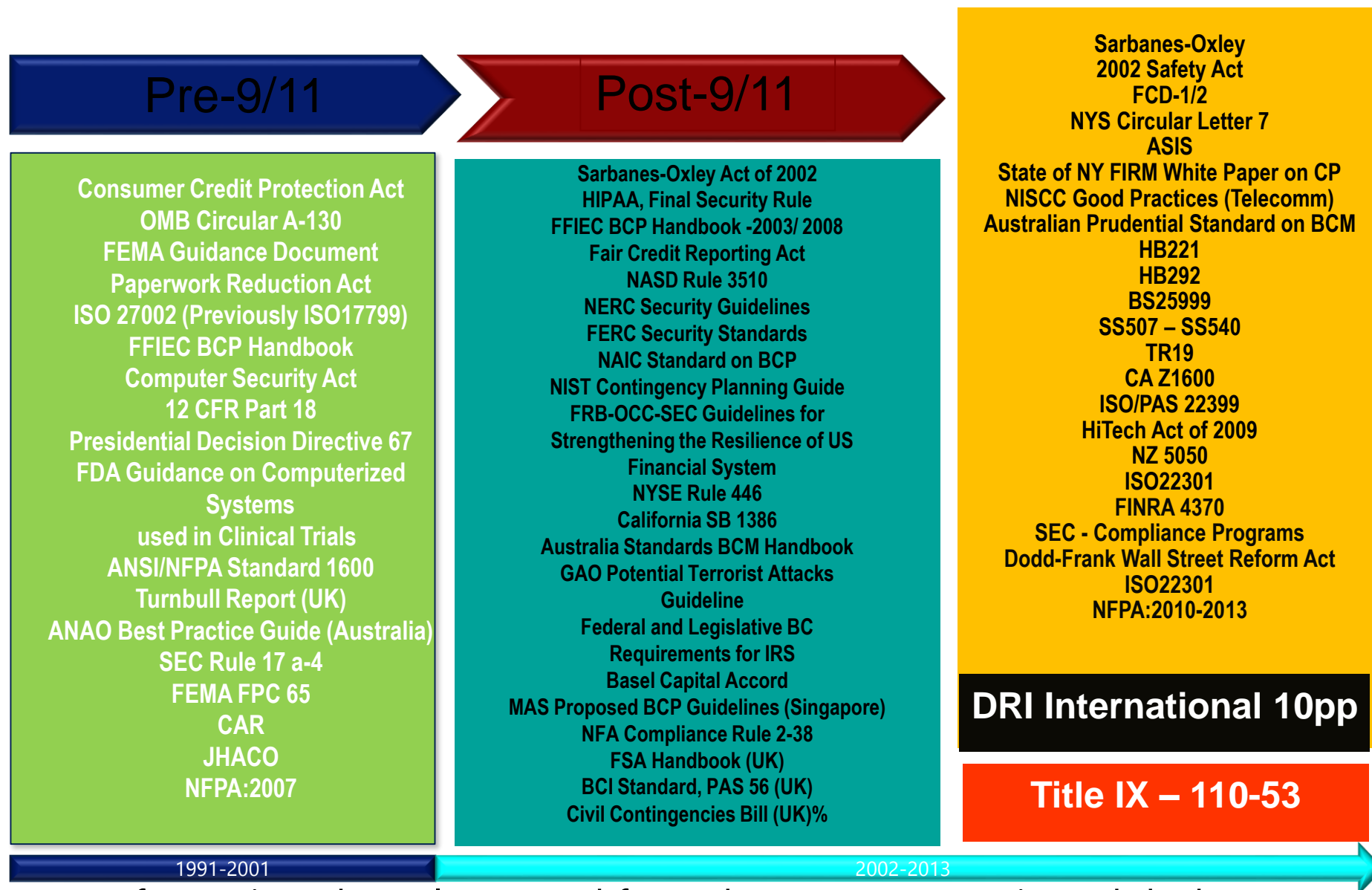


Once approved, the **Deploy Phase** begins where the deployment plans are implemented. This may include updating training materials, ensuring an inquiry management process is in place, broad communication, and deployment and testing in a compliance management tool all leading up to the effective date when the PSPs go live.

Note: Compliance and Sustain Phases also included

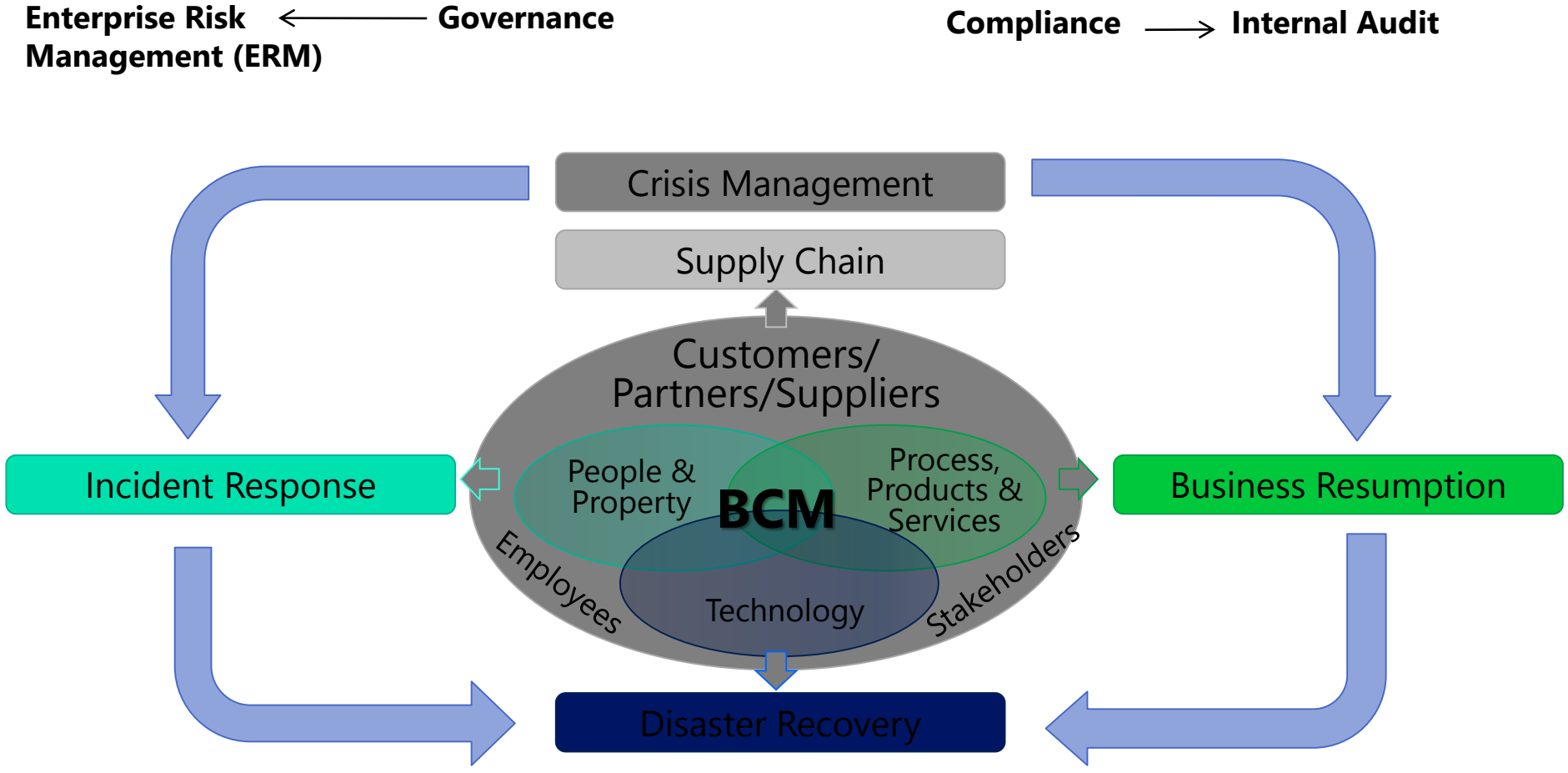
Examples

Business Continuity Laws, Regulations and Standards

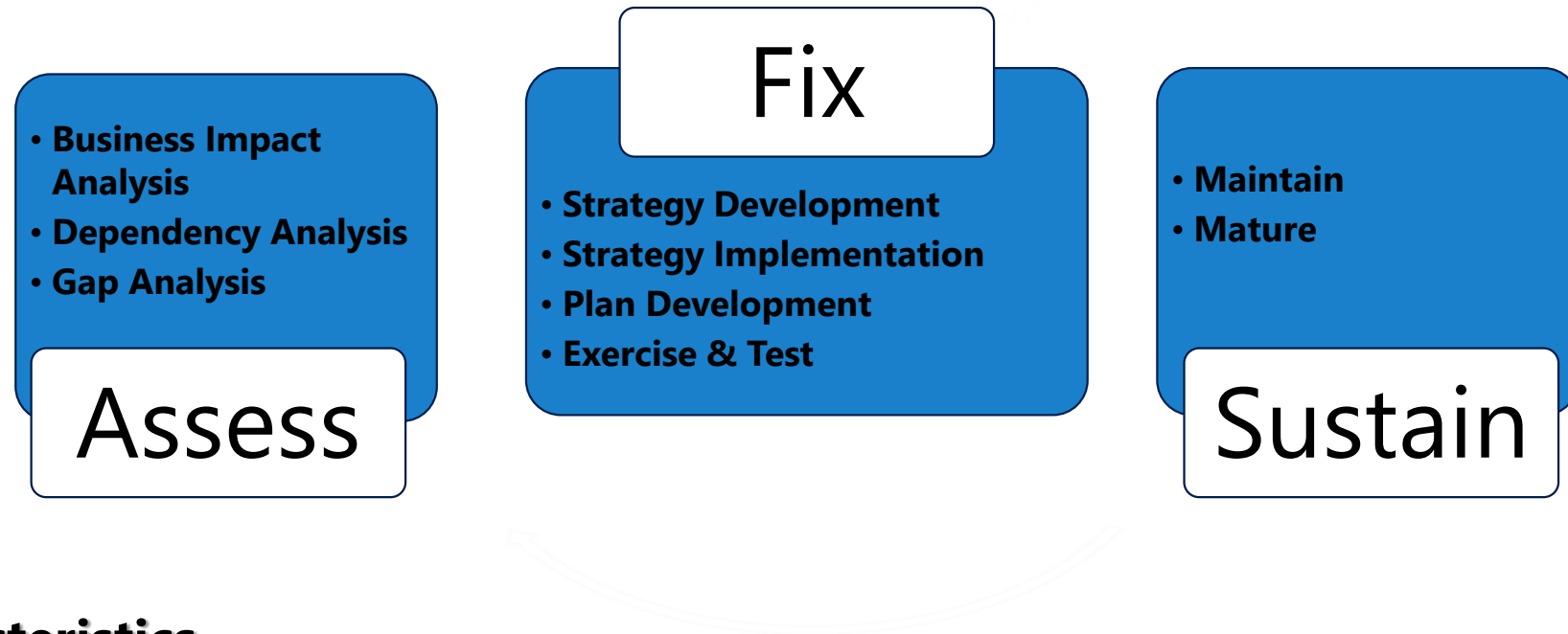


- Information above leveraged from the DRII communicated deck.
- Additional insights on Disaster Recovery journal site [here](#).

Business Continuity, Disaster Recovery, Incident Response



Business Continuity, Disaster Recovery, Incident Response



Key Characteristics

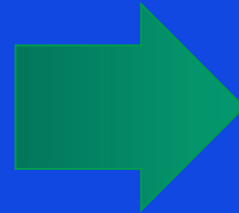
- Common taxonomy enhances enterprise wide decision making and reporting
- Layered Approach – Rank processes to align activity/resources with the greater operational risk

Business Continuity, Disaster Recovery, Incident Response

Today's Challenges

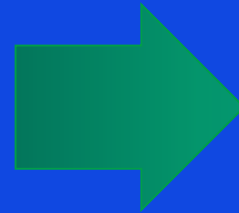
Best Practices

Business Unit
Engagement



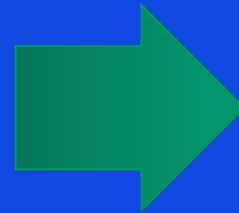
- Top down sponsorship
- Standards based methodology
- Enterprise wide scorecard

Program
Scalability



- Embed BCM professionals in key business units
- Prioritize activity
- Use familiar tools (Microsoft Office, SharePoint)

Program vs. Project
Mentality



- Integrate BCM into company culture
- Develop relationships with key stakeholder groups
- Provide business unit participation opportunities in governance and critical decisions

Culture- MS Corporate Vulnerability and Disclosure

- Appropriately engaging Community in identification of vulnerabilities.

"We want to make it more costly and difficult for criminals to exploit vulnerabilities,"... "We want to inspire researchers to focus their expertise on defensive security technologies". Katie Moussouris- MS Security Research Center

Lessons Learned

Worked Well

1. Buy-in and Visible Sponsorship as noted through Charter sign-off, Policy Governance Council engagement, etc...
2. Working Group Development to drive action on key strategic roadmap items across TwC and the Business Units. Acknowledgement that Risk Management is the common thread that needs to be consistently applied.
3. Leveraging existing work and process vs. building brand new and not acknowledging those that "had come before".

Challenges

1. Driving change across a Global organization
2. Taxonomy Differences

Looking Back....

1. Do early research and acknowledge existing GRC Community- cosponsor knowledge transfer sessions and Industry best practices Bootcamps (example: www.oceg.org)
2. Identify existing taxonomy challenges early- work to find the commonalities and begin efforts to agree and/or document differences early on
3. Clearly identify and document roles and responsibilities as a first step.
4. Exception Handling Process- Gain agreement and document early on

Key Takeaways

- ❑ Agreed Upon Governance Model
- ❑ Method to Implement the Model
- ❑ Leverage and Celebrate Successful areas/Proven practices
- ❑ Transparency, Transparency, Transparency...

Thank you!

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Appendix

Brain Teaser- Answer:

There are six F's in the sentence. Many people forget the OFs. The human brain tends to see them as "V's" or the acronym "vs." instead of "F's" or "ofs".

- At times, especially in Governance, we are so focused on one aspect, that we have tunnel vision and cannot see the others.
- For subject matter experts in risk, leverage your partners expertise in policy or compliance, to broaden your understanding and clear the spots that you may overlook. The same is true for those in policy and compliance in leveraging risk.
- Governance is about decisioning and accountability, all working together to complete the story 😊.

TwC- PSP “Story”

- ❑ **Policy-** Think of the policy as saying, “At Microsoft, we will Jump”. The reason we will jump is because we want to demonstrate our dedication to the principles of flexibility, athletic talent and prowess, and because we know our customers will not buy products from companies unless they jump.
- ❑ **Standard-** The related standards outline how high we must jump, how often we will jump, and whom must jump to demonstrate our enthusiastic dedication to the principles of flexibility, athletic prowess, and delighting our customers with jumps.”
- ❑ **Procedure-** The procedures derived from the standards tell us from what point we must jump, how and who will be measuring our jumps, what shoes we may wear, and whether our jumps are actually jumps vs hops, which are not allowed.

Trustworthy Computing @ 10 Years.

Marking a Milestone. Continuing Our Commitment.

Microsoft is committed to creating secure, private and reliable computing experiences. We believe that sensitive data and personal information must be protected. We believe the technology industry should focus on solid engineering and best practices

to ensure products and services are safer and more resilient. We support collaboration among technology companies, governments, consumers, and businesses to help solve the security challenges of today and tomorrow.



