

Best Practices for Proactive IT Governance

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Agenda

- Key Concepts
- Best Practices
 - Initial Stages
 - The Middle
- Final Thoughts
- Questions & Answers



Key Concepts



Governance in a Nutshell



Define & Assign
Responsibilities

Create Structure



Set Direction

Measure &
Act on Outcomes



Proactive vs. Reactive

Proactive

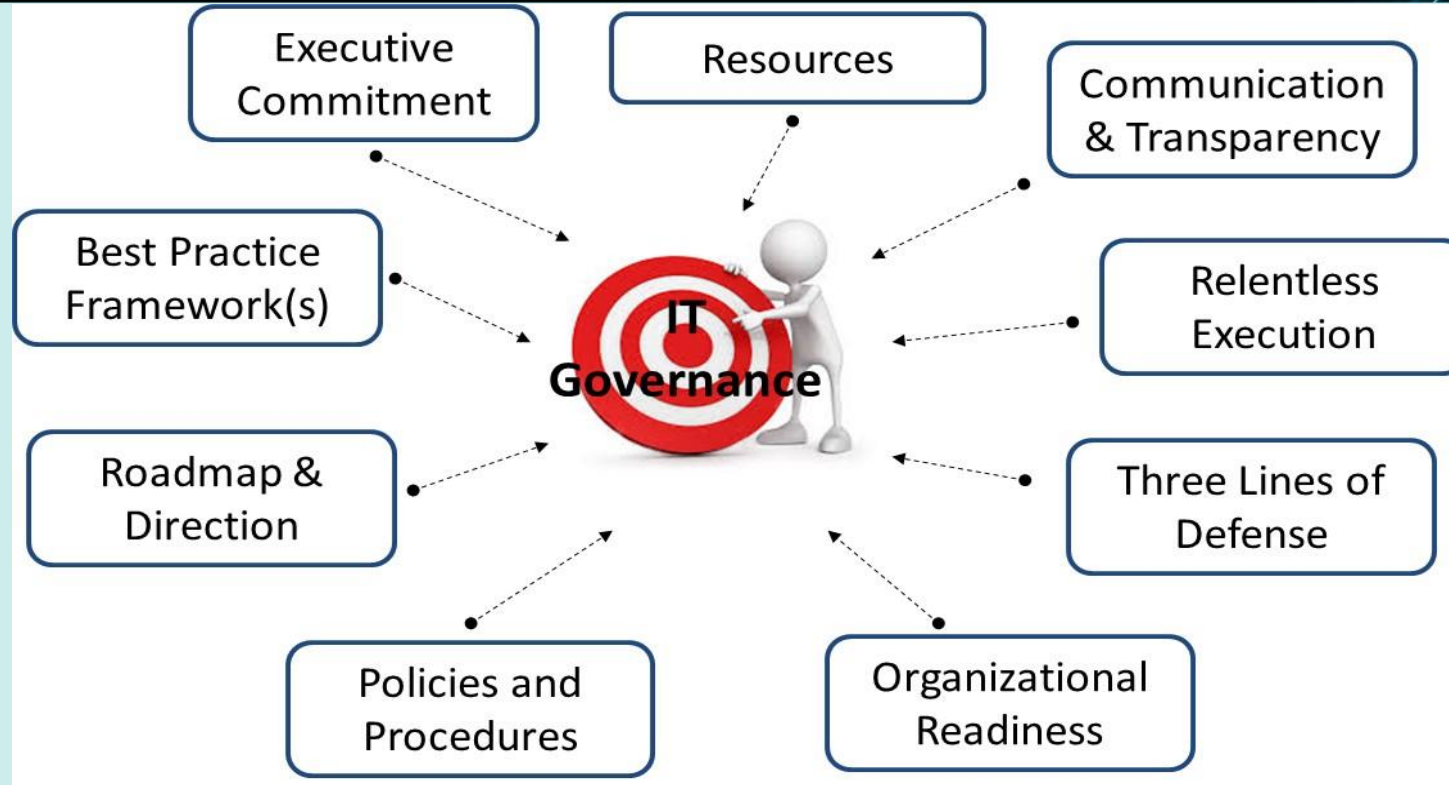
- Enabler
- Self-driven
- Take initiative
- Continuous behavior

Reactive

- Burden
- Driven by others
- Fight fires
- Responsive only when needed



Building Blocks



Three Lines of Defense

1 st Line of Defense	2 nd Line of Defense	3 rd Line of Defense
Business Unit	Risk Management	Internal Audit
<i>Ownership: take and manage risk</i>	<i>Control: set standards, monitor and challenge</i>	<i>Assurance: validate for quality and effectiveness</i>
Engaged in revenue generation, expense reduction, or operational support.	Provide independent risk oversight across all risk types, business units and locations.	Independently and objectively review, test and evaluate organizational activities
IT is considered mostly 1 st line, but may perform some 2 nd line activities		

The 1st and 2nd line functions are expected to have strong governance and risk management programs and identify and remediate issues proactively.



Best Practices: Initial Steps



Understand your Stakeholders



Board of Directors



IT Groups



Internal Audit Department

Regulatory Agencies



Everyone is a Risk Manager



Security Office



SOX Committee



Define what your “Good” looks like



- Define the skill set and resources you need
- Describe roles and responsibilities



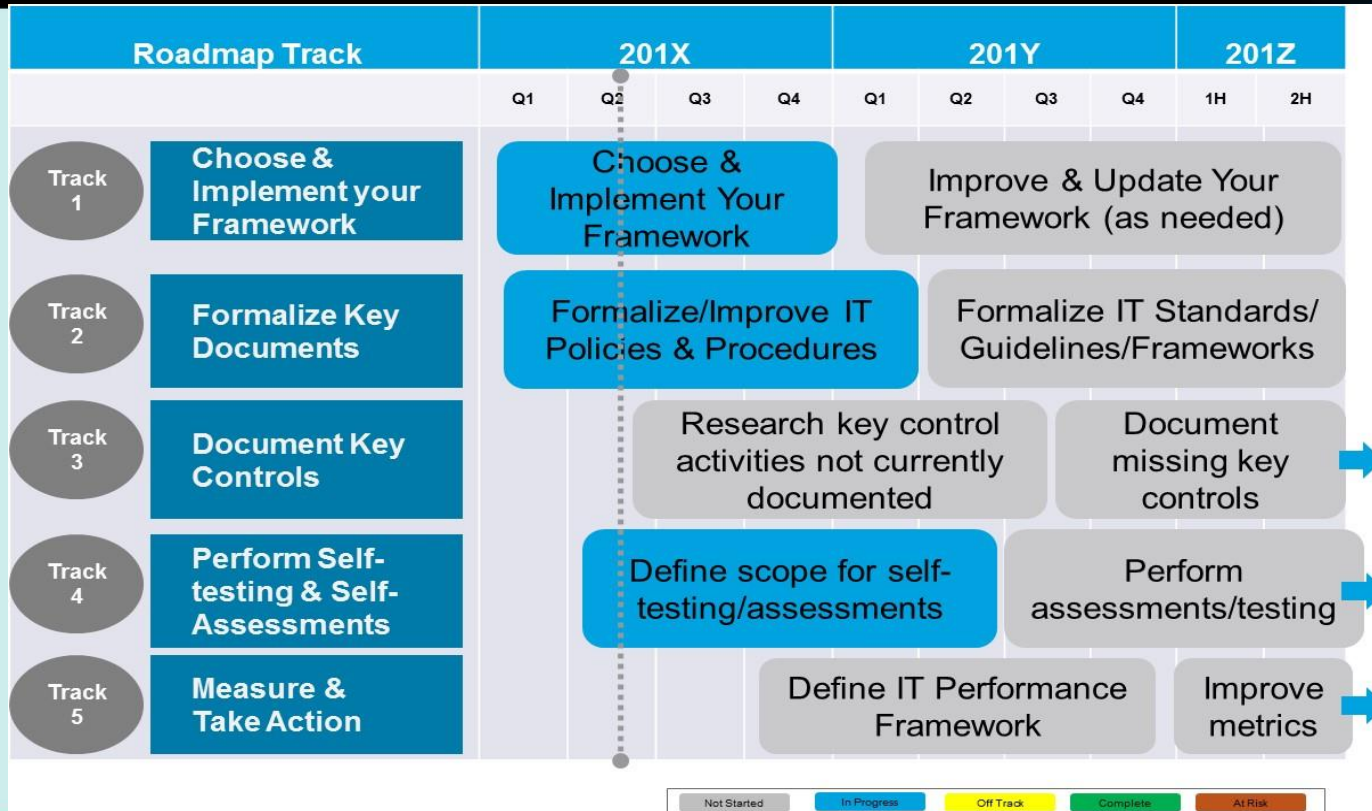
- Leverage best practices and frameworks
- Create a roadmap of activities and timelines
- Clearly articulate your scope of coverage
- Add key details applicable to your organization



- Identify when and how you will leverage technology



Sample High-Level IT Governance Roadmap



Bring everyone along

- Executives
- Employees
- Contactors
- Third parties



Best Practices: The Middle

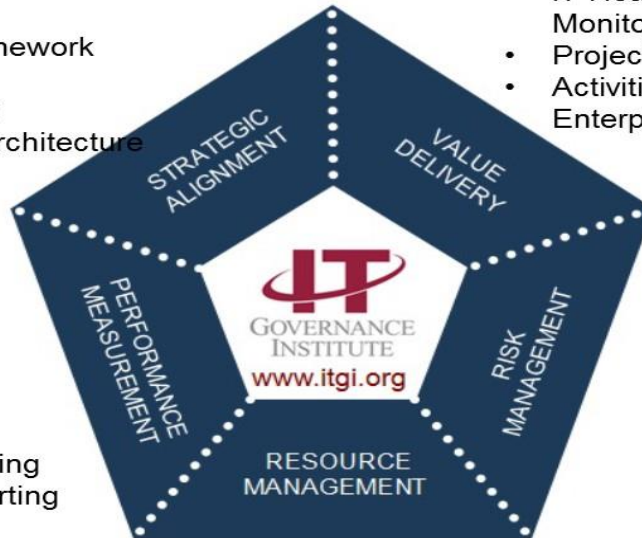


6 Steps for Proactive IT Governance

- 1 Choose & Implement your Framework
- 2 Formalize your Key Documents (Policies etc.)
- 3 Document all your Controls
- 4 Perform Self-testing & Self-Assessments
- 5 Measure and take action
- 6 Improve, improve, improve...

1. Choose & Define your Framework

- IT Steering Committee
- IT Strategic Plan
- IT Governance Framework
- IT Policies Program
- Annual Goal Setting
- Enterprise & Data Architecture



- IT Health Metrics Monitoring & Reporting
- Project Lessons Learned
- Activities performed at Enterprise-level

- IT Health Metrics Development & Maintenance
- IT Health Metrics Monitoring & Reporting
- Project Status Reporting

- Risk Self-Assessments
- Risk Monitoring, Aggregation & Reporting
- Compliance & Regulatory oversight
- Self-testing of Controls
- Risk Remediation

- Organizational Design
- Talent Reviews
- Workforce Planning



2. Formalize your Key Documents*

- Establish a structured program and framework
 - Define roles and responsibilities
 - Create and publish a Key Documents policy
 - Establish a Key Document repository
- Review and update existing Key Documents
- Identify gaps in Key Documents
- Address gaps in Key Documents

* Key Documents typically refer to a combination of policies, procedures, standards, guidelines and frameworks.



3. Document all your Controls

- Create a control inventory that goes beyond regulatory requirements
- Use a best-practice framework (i.e. COBIT) as a measuring stick
- Identify, remediate or justify your control gaps
- Develop an oversight process for your controls

4. Perform Self-testing & Self-Assessments

- Establish a strong 1st / 2nd line of defense function
- Self-test your controls in a prioritized manner
 - Start where you have mature controls (e.g. SOX)
 - Move to testing less mature (or newer) controls
 - Identify issues and control deficiencies and fix them
- Assess the risk of key processes and functions
- Perform process maturity assessments



5. Measure and take action

- Understand what is important to your stakeholders (Cybersecurity, Reliability, Cost Avoidance, Digitalization, Productivity etc.)
- Create a Performance Management function
- Define metrics, KPIs and KRIs that tell your story
- Establish, monitor and report on the targets
- Evolve the program as needs change



6. Improve, improve, improve...

- Rationalize controls, processes and Key Documents
- Automate where feasible
- Leverage continuous monitoring
- Introduce advanced KPIs & analysis



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Final Thoughts



Let's do a recap...



- Identify Stakeholders
- Define your “Good”
- Bring everyone along

- Choose Framework
- Formalize Documents
- Define controls
- Self-test controls
- Assess risk & maturity
- Measure & Act

- Rationalize processes
- Leverage automation
- Implement continuous monitoring
- Enhance your KPIs and analysis



You're there (or closer) if...

- You have full executive support
- You have the resources you need
- You no longer have to justify the value of proactive governance
- Your governance processes are streamlined
- Auditors are no longer finding major gaps



Some Useful References (1/3)

Choose & Define your Framework

- ISACA **COBIT 5.0** Framework
- ISACA IT Governance Institute (**ITGI**) Framework
- **COSO** Internal Control- Integrated Framework



Some Useful References (2/3)

Formalize Key Documents & Define Controls

- ISACA **COBIT 5.0** Framework
- Information Technology Infrastructure Library (**ITIL**) for IT Service Management
- National Institute of Standards and Technology (**NIST**) and the **ISO/IEC 27000** family for Information Security
- **PMBOK Guide** from the Project Management Institute for Project Management
- **Regulatory guidance/standards** in your industry
- The Open Group Architecture Framework (**TOGAF**) for Enterprise Architecture



Some Useful References (3/3)

Perform Self-Testing & Self-Assessments

- ISACA **COBIT 5.0** Framework
- ISACA **Risk IT** Framework
- Operationally Critical Threat, Asset, and Vulnerability Evaluation (**OCTAVE**) Framework from Carnegie Mellon

Measure & Act

- Balanced Scorecard Framework (**BSC**) from the Balanced Scorecard Institute (BSI)

