

# 2021 Global Data Governance Day



# IT Governance for decisions, rights, and accountability



Prof. Hernan Huwylar MBA CPA



# Impact of IT Governance

A stack of four smooth, rounded stones of varying colors (red, orange, grey, and dark grey) stacked vertically on the left side of the slide.

**Governance** > Direct and control IT assets being flexible to change, by boards

**Management** > Operate IT assets to execute changes, by IT managers

More change by  
design, less  
change by  
disaster



# Broad components for IT governance

How to coordinate the growth?



Objectives

Decisions

Resources



IT

Governance

Ownership  
Quality  
Security



On lifecycle of  
IT assets

Standards  
for group  
policies



Naming

Roles

Lifecycles

Organic maturity level growth

# Resource > Policies templates

<https://www.sans.org/information-security-policy/>



Train and Certify

Manage Your

Home > Policies

## Security Policy Templates

In collaboration with information security subject-matter experts and leaders who v here a set of security policy templates for your use. To contribute your expertise to policies@sans.org.

[Acceptable Encryption Policy](#)

[Acceptable Use Policy](#)

[Acquisition Assessment Policy](#)

[Analog/ISDN Line Security Policy](#)

[Anti-Virus Guidelines](#)

# Resource > RACI Matrix

## ISACA Toolkit RACI Chart for COBIT Process

	<b>Creation</b>	<b>Maintain</b>	<b>Quality</b>
<b>IT Asset producer</b>	<b>R</b>		
<b>IT Asset user</b>	<b>I</b>		
<b>IT Asset custodian</b>		<b>R</b>	
<b>IT Asset owner</b>			<b>A</b>
<b>IT Asset custodian</b>	<b>A</b>	<b>A</b>	<b>R</b>

# Resource > NIST 800-53 R5

<https://csrc.nist.gov/publications/detail/sp/800-53/rev-5/final>

Control Identifier	Control (or Control Enhancement) Name	Control Text	Discussion
PM-23	Data Governance Body	Establish a Data Governance Body consisting of [Assignment: organization-defined roles] with [Assignment: organization-defined responsibilities].	A Data Governance Body can help ensure that the organization has coherent policies and the ability to balance the utility of data with security and privacy requirements. The Data Governance Body establishes policies, procedures, and standards that facilitate data governance so that data, including personally identifiable information, is effectively managed and maintained in accordance with applicable laws, executive orders, directives, regulations, policies, standards, and guidance. Responsibilities can include developing and implementing guidelines that support data modeling, quality, integrity, and the de-identification needs of personally identifiable information across the information life cycle as well as reviewing and approving applications to release data outside of the organization, archiving the applications and the released data, and performing post-release monitoring to

# Resource > IT Gov Roles COBIT

Board  
IT Gov Board

CIO, CISO, CTO  
IT Operation Head  
DPO

InfoSec Managers  
Continuity  
IT Risk & Compliance

Project Managers  
Architects  
Process Owners



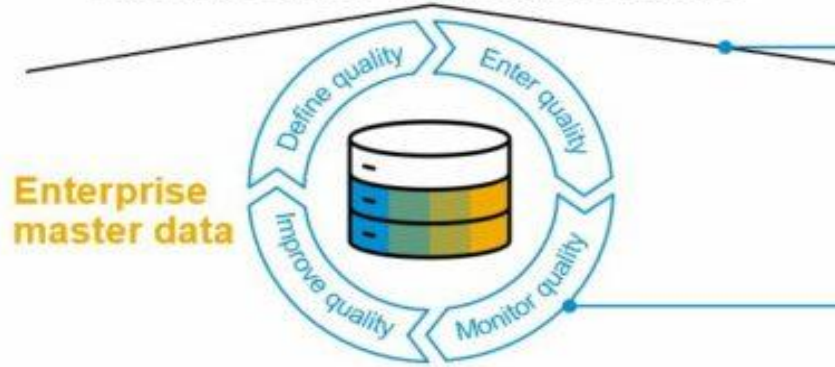
# Example

## SAP Master Data Governance on SAP S/4HANA

Supporting central governance with distribution, decentralized ownership with consolidation, data quality monitoring with remediation



### Systems under central governance



#### SAP Master Data Governance – central governance

**Create** master data in line with business processes (such as integrated product development or supplier management)

#### SAP Master Data Governance – consolidation

**Consolidate** master data into a single view for accurate analytics and operational insight (continuously or on request, such as for initial load or mergers and acquisitions)

#### SAP Master Data Governance – data quality management

**Manage** master data quality by defining, enforcing, monitoring, and improving quality

### Systems not under central governance





# Example

**Display Role: Authorizations**

Open  Changed  Maintained  Organizational levels...  Information  Trace

Maint.: 0 Unmaint. org. levels 20 open fields, Status: Unchanged

SAP\_MDGM\_MENU\_04 OAC Master Data Governance for Material: Menu

<input type="checkbox"/>	<input type="checkbox"/>	Standard	Cross-application Authorization Objects
<input type="checkbox"/>	<input type="checkbox"/>	Manually	Business Context Viewer
<input type="checkbox"/>	<input type="checkbox"/>	Maintained	Basis: Administration
<input type="checkbox"/>	<input type="checkbox"/>	Standard	Basis - Development Environment
<input type="checkbox"/>	<input type="checkbox"/>	Changed	Basis - Central Functions
<input type="checkbox"/>	<input type="checkbox"/>	Changed	Classification
<input type="checkbox"/>	<input type="checkbox"/>	Manually	Document Management
<input type="checkbox"/>	<input type="checkbox"/>	Changed	SAP Master Data Governance
<input type="checkbox"/>	<input type="checkbox"/>	Standard	Financials Basis
<input type="checkbox"/>	<input type="checkbox"/>	Changed	Materials Management: Master Data
<input type="checkbox"/>	<input type="checkbox"/>	Standard	Quality Management
<input type="checkbox"/>	<input type="checkbox"/>	Standard	Authorizations: BW Service API
<input type="checkbox"/>	<input type="checkbox"/>	Standard	Business Information Warehouse



# Example

Change Request Edit

General
Notes
Attachments

**General Data**

Change Request ID:

\* Description:

Priority:

Due Date:

Reason:

**Process Data**

Status:

Current Workitem:

Created On/By:

ERP Vendor Details Edit

**Administrative Data**

Vendor:

\* Account Group:

**Address**

\* Street / House Number:

Postal Code / City:

\* Country:

\* Region:

\* Language:

Transportation Zone:

PO Box Postal Code / PO Box:

PO Box Without Number:

Company Postal Code:

**General Data**

Title:

\* Name 1:

Name 2:

Name 3:

Name 4:

\* Search Terms:

**Communication Data**



# Tips for IT Governance

# IT governance policy

## Accountabilities for IT Gov committees

- Monitor the strategy articulation
- Plan future uses and growth
- Optimize IT costs and risk
- Oversight asset management
- Approve uses and classification policies

# IT governance policy

## Accountabilities for IT Gov committees

- Approve data retention rules
- Approve accesses for sensitive assets
- Oversight 3Ps with access for assets
- Designate owners and custodians
- Connect skills to roles

# IT governance policy

## Responsibilities for owners

- Plan the needs for asset usages
- Define primary and secondary uses
- Approve need-to-know accesses
- Identify risks and critical assets
- Ensure compliance (privacy, ICT)

# IT governance policy

## Responsibilities for owners

- Define security controls
- Perform quality checks
- Certify user access
- Provide training to users

# IT governance policy

## Responsibilities for custodians

- Technically administrate assets
- Assign and remove accesses
- Manage and update inventories
- Implement security controls
- Execute plans for assets

# IT governance policy

## Responsibilities for custodians

- Operate IT services

# IT governance policy

## Responsibilities for users

- Comply with use, classification and label and other policies
- Report asset losses
- Tag metadata
- Complete training

# Ensure problems are identified

Complains from users

Unapproved purchases and shadow IT

Project cost overruns, delays and defects

Low response time and integration

Non-compliances

Low motivation/skills and high turnover

Explain that IT  
governance is not IT,  
but business



Benchmark against  
COBIT5 as the gold  
standard in IT  
governance > also  
ISO 38500



Articulate IT  
governance from  
the approval of the  
IT budget and plans



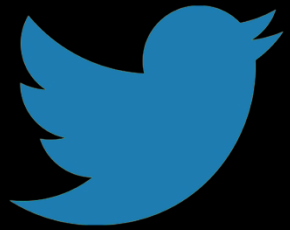
Cover the third-  
parties in  
supplying and  
demanding the  
IT assets



Invest in mapping  
internal and  
compliance  
requirements to  
controls



Less “epic moments”,  
teflon-coated managers  
and consulting nonsenses,  
more cost-savings and  
passed controls in IT audits



@hewyler



/hernanwyler



mydailyexecutive.blogspot.com

# **E-Compliance** **Academy**



*E-learning platform for  
Insights/Online Seminars*