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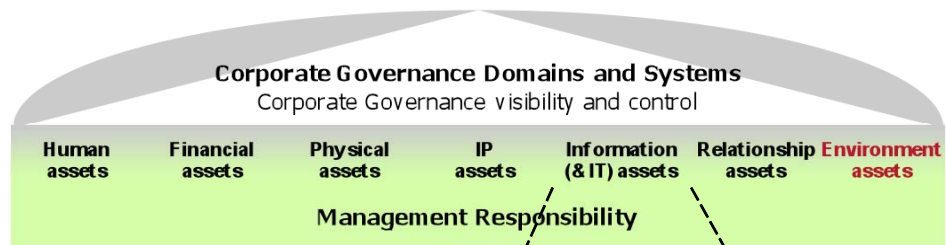
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ISO/IEC JTC 1/SC7 Chairman preliminary response to JTC 1 N9255

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Standards Categorization Model (from JTC 1 N9255)



The Standards Categorization Model is based on the notion that corporate governance spans several “domains”, one of which is Information Technology. It then identifies that there are five broad categories of standard that may be established with regard to Information Technology.

The Corporate Governance Category contains those standards which fit the definition of Corporate Governance of IT as specified in ISO/IEC 38500 – that relate to “the system by which the current and future use of IT is directed and controlled”. This includes ISO/IEC 38500, its predecessor, AS8015, and the forthcoming Australian Standard AS8016.

The Management Control Category contains those standards that fit the definition of Management Control in ISO/IEC 38500 – that relate to “the system of controls and processes required to achieve the strategic objectives set by the organisation's governing body”. There are likely to be numerous standards within the Management Control Category. There may also be management topics for which there are few current standards – and it is not unreasonable for contributors to note these topics. Some possible management fields in which there may or may not be standards at present are Service Management, Security, Architecture, Configuration, Projects, Resources, Quality and Risk.

Other topics that would be covered in Management Control include Portfolio Management, Business Continuity and Disaster Recovery. Thus, the framework provides a way of positioning industry and defacto standards, frameworks and methodologies such as Prince2, COBIT, ValIT, TOGAF and ITIL relative to corresponding formal national and international standards.

The Systems & Applications Category contains standards that relate to a specific use of IT to provide a capability to an organisation. Examples of such standards are those relating to Electronic Funds Transfer (EFT) and satellite navigation systems. As standards are classified in this category, it may also be useful to cluster them into groups – though this step is not necessary for the purposes of the Study Group.

The Technical Delivery Category contains standards that relate to the design and construction of Systems and Applications. These include standards for design, construction and testing of business systems, communications networks and data centres, as well as standards for programming techniques, requirements modelling, data modelling and database design.

The Components and Interfaces Category contains standards that relate to the basic building blocks of Information Technology. These include standards for encoding data (whether in databases or in interfaces), standards for programming languages, standards for hardware components and standards describing communications protocols.

Standards Categorization Model applied to SC7 Standards

The standards categorization model of JTC 1 N9255 is not very clear and lacks sufficient examples to be used consistently.

Under the definition used in JTC 1 N9255, all process-oriented standards seems to fall under the 'Management Control' category. These standards constitute a large part of JTC 1/SC7 published standards and work program. Most of these standards have a Corporate or Engineering Governance component.

Systems and Application standards, as defined in JTC 1 N9255, are outside the scope of SC7 given the horizontal nature of SC7 work.

Many standards and projects of SC7 have a Technical Delivery Category component. Some (such as UML, LOTOS, Petri-Net) are purely in this category.

Component and Interfaces standards, as defined in JTC 1 N9255, are outside the scope of SC7.

Legend

Item	Guidance
Responding Organization	Full Name of the organization providing information about its standards and standards development activities.
Contact Person	Details of Person Providing Information, including contact details and affiliation with Responding Organization.
Document Name	English name of a current or proposed standard (e.g. Corporate Governance of Information Technology).
Document Identifier	Specific number or other identifier used to uniquely reference a standard or guide (e.g. ISO/IEC 20000:2005 Part 1).
Document Type	(e.g. International Standard, National Standard, Framework etc).
Controlling Organization	Name of the organization responsible for developing and maintaining the document (e.g. ISO, JTC1, UK OGC, ISACA).
Primary Domain of Standard	Select one of the identified Domains, or specify a new one: Human, Financial, Physical, Intellectual Property, Information Technology, Relationship, Environment, Other. Most standards to be described will be in the Information Technology Domain.
Primary focus of Standard	Select one of the five categories: Corporate Governance, Management Control, Systems & Applications, Technical Delivery, Components & Interfaces.
Primary Intended audience	What individuals/roles are defined as the primary audience for this standard?
Corporate Governance of IT	Describe the extent to which the document provides guidance or specification in each category, using this scale: 0 = the standard has no coverage of the category 1 = the standard has peripheral reference to the category 2 = the standard has minor elements relating to the category 3 = the standard has significant elements relating to the category 4 = the standard has substantial elements relating to the category 5 = the standard is exclusively relevant to the category
Management Control of IT	
Systems & Applications	
Technical Delivery	
Components & Interfaces	

ISO/IEC 38500

Item	Response
Responding Organization	ISO/IEC JTC 1/SC 7
Contact Person	SC7/WG1A Convener
Document Name	Corporate Governance of Information Technology
Document Identifier	ISO/IEC 38500
Document Type	International Standard
Controlling Organization	JTC1/SC7
Primary Domain of Standard	Information Technology
Primary focus of Standard	Corporate Governance
Primary Intended audience	Directors, top managers and their advisors
Corporate Governance of IT	5
Management Control of IT	1
Systems & Applications	0
Technical Delivery	0
Components & Interfaces	0

ISO/IEC 15288 & TR19760

Item	Response
Responding Organization	ISO/IEC JTC 1/SC 7
Contact Person	SC7/WG7 Convener
Document Name	Systems Life Cycle Processes
Document Identifier	ISO/IEC 15288
Document Type	International Standard
Controlling Organization	JTC1/SC7
Primary Domain of Standard	Information Technology
Primary focus of Standard	Management Control of IT
Primary Intended audience	Top managers, Engineering Managers
Corporate Governance of IT	3
Management Control of IT	5
Systems & Applications	0
Technical Delivery	1
Components & Interfaces	0

ISO/IEC 20000 series

Item	Response
Responding Organization	ISO/IEC JTC 1/SC 7
Contact Person	SC7/WG25 Convener
Document Name	IT Services Management
Document Identifier	ISO/IEC 20000 (multi-part)
Document Type	International Standard
Controlling Organization	JTC1/SC7
Primary Domain of Standard	Information Technology
Primary focus of Standard	Management Control of IT
Primary Intended audience	Top managers, Engineering Managers
Corporate Governance of IT	3
Management Control of IT	5
Systems & Applications	0
Technical Delivery	1
Components & Interfaces	0

ISO/IEC 12207 & TR15271

Item	Response
Responding Organization	ISO/IEC JTC 1/SC 7
Contact Person	SC7/WG7 Convener
Document Name	Software Life Cycle Processes
Document Identifier	ISO/IEC 12207
Document Type	International Standard
Controlling Organization	JTC1/SC7
Primary Domain of Standard	Information Technology
Primary focus of Standard	Management Control of IT
Primary Intended audience	Top managers, Engineering Managers
Corporate Governance of IT	3
Management Control of IT	5
Systems & Applications	0
Technical Delivery	1
Components & Interfaces	0

ISO/IEC 90003

Item	Response
Responding Organization	ISO/IEC JTC 1/SC 7
Contact Person	SC7/WG23 Convener
Document Name	Guidelines for the application of ISO 9001:2000 to computer software
Document Identifier	ISO/IEC 90003
Document Type	International Standard
Controlling Organization	JTC1/SC7
Primary Domain of Standard	Information Technology
Primary focus of Standard	Management Control of IT
Primary Intended audience	Top managers, Engineering Managers
Corporate Governance of IT	3
Management Control of IT	5
Systems & Applications	0
Technical Delivery	1
Components & Interfaces	0

ISO/IEC TR90005

Item	Response
Responding Organization	ISO/IEC JTC 1/SC 7
Contact Person	SC7/WG23 Convener
Document Name	Guidelines for the application of ISO 9001 to system life cycle processes
Document Identifier	ISO/IEC TR90005
Document Type	International Standard
Controlling Organization	JTC1/SC7
Primary Domain of Standard	Information Technology
Primary focus of Standard	Management Control of IT
Primary Intended audience	Top managers, Engineering Managers
Corporate Governance of IT	3
Management Control of IT	5
Systems & Applications	0
Technical Delivery	1
Components & Interfaces	0

ISO/IEC NWIP 90006

Item	Response
Responding Organization	ISO/IEC JTC 1/SC 7
Contact Person	SC7/WG23 Convener
Document Name	Guidelines for the application of ISO 9001 to IT service management
Document Identifier	ISO/IEC NWIP 90006
Document Type	International Standard
Controlling Organization	JTC1/SC7
Primary Domain of Standard	Information Technology
Primary focus of Standard	Management Control of IT
Primary Intended audience	Top managers, Engineering Managers
Corporate Governance of IT	3
Management Control of IT	5
Systems & Applications	0
Technical Delivery	1
Components & Interfaces	0

ISO/IEC 15504 Series

Item	Response
Responding Organization	ISO/IEC JTC 1/SC 7
Contact Person	SC7/WG10 Convener
Document Name	Process Assessment
Document Identifier	ISO/IEC 15504 (6 published parts, 4 under development)
Document Type	International Standard
Controlling Organization	JTC1/SC7
Primary Domain of Standard	Information Technology
Primary focus of Standard	Management Control of IT
Primary Intended audience	Top managers, Engineering Managers
Corporate Governance of IT	3
Management Control of IT	5
Systems & Applications	0
Technical Delivery	4
Components & Interfaces	0

ISO/IEC CD TR 24748

Item	Response
Responding Organization	ISO/IEC JTC 1/SC 7
Contact Person	SC7/WG7 Convener
Document Name	Guide for life cycle management
Document Identifier	ISO/IEC CD TR 24748
Document Type	International Standard
Controlling Organization	JTC1/SC7
Primary Domain of Standard	Information Technology
Primary focus of Standard	Management Control of IT
Primary Intended audience	Top managers, Engineering Managers
Corporate Governance of IT	3
Management Control of IT	5
Systems & Applications	0
Technical Delivery	1
Components & Interfaces	0

ISO/IEC 19770 series

Item	Response
Responding Organization	ISO/IEC JTC 1/SC 7
Contact Person	SC7/WG21 Convener
Document Name	Software asset management
Document Identifier	ISO/IEC 19770 (Multi-parts)
Document Type	International Standard
Controlling Organization	JTC1/SC7
Primary Domain of Standard	Information Technology
Primary focus of Standard	Management Control of IT
Primary Intended audience	Top managers, Engineering Managers
Corporate Governance of IT	2
Management Control of IT	5
Systems & Applications	0
Technical Delivery	3
Components & Interfaces	0

ISO/IEC 16085

Item	Response
Responding Organization	ISO/IEC JTC 1/SC 7
Contact Person	SC7/WG7 Convener
Document Name	Life cycle processes -- Risk management
Document Identifier	ISO/IEC 16085
Document Type	International Standard
Controlling Organization	JTC1/SC7
Primary Domain of Standard	Information Technology
Primary focus of Standard	Management Control of IT
Primary Intended audience	Top managers, Engineering Managers
Corporate Governance of IT	4
Management Control of IT	5
Systems & Applications	0
Technical Delivery	2
Components & Interfaces	0

ISO/IEC 16326

Item	Response
Responding Organization	ISO/IEC JTC 1/SC 7
Contact Person	SC7/WG7 Convener
Document Name	Life cycle processes - Project management
Document Identifier	ISO/IEC 16326
Document Type	International Standard
Controlling Organization	JTC1/SC7
Primary Domain of Standard	Information Technology
Primary focus of Standard	Management Control of IT
Primary Intended audience	Engineering Managers, Top managers,
Corporate Governance of IT	3
Management Control of IT	5
Systems & Applications	0
Technical Delivery	2
Components & Interfaces	0

ISO/IEC 26702

Item	Response
Responding Organization	ISO/IEC JTC 1/SC 7
Contact Person	SC7/WG7 Convener
Document Name	Application and management of the systems engineering process
Document Identifier	ISO/IEC 26702
Document Type	International Standard
Controlling Organization	JTC1/SC7
Primary Domain of Standard	Information Technology
Primary focus of Standard	Management Control of IT
Primary Intended audience	Top managers, Engineering Managers
Corporate Governance of IT	2
Management Control of IT	4
Systems & Applications	0
Technical Delivery	4
Components & Interfaces	0

ISO/IEC 14764

Item	Response
Responding Organization	ISO/IEC JTC 1/SC 7
Contact Person	SC7/WG7 Convener
Document Name	Software Life Cycle Processes - Maintenance
Document Identifier	ISO/IEC 14764
Document Type	International Standard
Controlling Organization	JTC1/SC7
Primary Domain of Standard	Information Technology
Primary focus of Standard	Management Control of IT
Primary Intended audience	Top managers, Engineering Managers
Corporate Governance of IT	3
Management Control of IT	5
Systems & Applications	0
Technical Delivery	1
Components & Interfaces	0

ISO/IEC CD TR 29110

Item	Response
Responding Organization	ISO/IEC JTC 1/SC 7
Contact Person	SC7/WG24 Convener
Document Name	Lifecycle Profiles for Very Small Enterprises (VSE)
Document Identifier	ISO/IEC TR 29110 (Multi-part)
Document Type	International Standard
Controlling Organization	JTC1/SC7
Primary Domain of Standard	Information Technology
Primary focus of Standard	Management Control of IT
Primary Intended audience	Top managers, Engineering Managers
Corporate Governance of IT	3
Management Control of IT	5
Systems & Applications	0
Technical Delivery	1
Components & Interfaces	0

ISO/IEC NP 29155

Item	Response
Responding Organization	ISO/IEC JTC 1/SC 7
Contact Person	SC7/WG10 Convener
Document Name	IT Performance Benchmarking Framework
Document Identifier	ISO/IEC NP 29115
Document Type	International Standard
Controlling Organization	JTC1/SC7
Primary Domain of Standard	Information Technology
Primary focus of Standard	Management Control of IT
Primary Intended audience	Top managers, Engineering Managers
Corporate Governance of IT	3
Management Control of IT	5
Systems & Applications	0
Technical Delivery	3
Components & Interfaces	0

ISO/IEC CD 29118

Item	Response
Responding Organization	ISO/IEC JTC 1/SC 7
Contact Person	SC7/WG4 Convener
Document Name	Tools and Methods of requirements engineering and management for product lines
Document Identifier	ISO/IEC CD 29118
Document Type	International Standard
Controlling Organization	JTC1/SC7
Primary Domain of Standard	Information Technology
Primary focus of Standard	Management Control of IT
Primary Intended audience	Engineering Managers, Top managers
Corporate Governance of IT	3
Management Control of IT	5
Systems & Applications	0
Technical Delivery	3
Components & Interfaces	0

ISO/IEC TR 9294

Item	Response
Responding Organization	ISO/IEC JTC 1/SC 7
Contact Person	SC7/WG7 Convener
Document Name	Software Life Cycle Processes
Document Identifier	ISO/IEC TR 9294
Document Type	International Standard
Controlling Organization	JTC1/SC7
Primary Domain of Standard	Information Technology
Primary focus of Standard	Management Control of IT
Primary Intended audience	Engineering Managers, Top managers
Corporate Governance of IT	2
Management Control of IT	5
Systems & Applications	0
Technical Delivery	1
Components & Interfaces	0

ISO/IEC 15929

Item	Response
Responding Organization	ISO/IEC JTC 1/SC 7
Contact Person	SC7/WG7 Convener
Document Name	Systems and software engineering -- Measurement process
Document Identifier	ISO/IEC 15929
Document Type	International Standard
Controlling Organization	JTC1/SC7
Primary Domain of Standard	Information Technology
Primary focus of Standard	Management Control of IT
Primary Intended audience	Top managers, Engineering Managers
Corporate Governance of IT	2
Management Control of IT	5
Systems & Applications	0
Technical Delivery	3
Components & Interfaces	0

ISO/IEC 15026

Item	Response
Responding Organization	ISO/IEC JTC 1/SC 7
Contact Person	SC7/WG7 Convener
Document Name	Systems and Software Assurance
Document Identifier	ISO/IEC 15026
Document Type	International Standard
Controlling Organization	JTC1/SC7
Primary Domain of Standard	Information Technology
Primary focus of Standard	Management Control of IT
Primary Intended audience	Engineering Managers, Engineers, Top Managers
Corporate Governance of IT	2
Management Control of IT	5
Systems & Applications	0
Technical Delivery	4
Components & Interfaces	0

ISO/IEC 25000 series (replacing 9126 and 14143 series)

Item	Response
Responding Organization	ISO/IEC JTC 1/SC 7
Contact Person	SC7/WG6 Convener
Document Name	Software product Quality Requirements and Evaluation (SQuaRE)
Document Identifier	ISO/IEC 25000 (Multipart)
Document Type	International Standard
Controlling Organization	JTC1/SC7
Primary Domain of Standard	Information Technology
Primary focus of Standard	Management Control of IT
Primary Intended audience	Engineering Managers, Top managers
Corporate Governance of IT	2
Management Control of IT	4
Systems & Applications	0
Technical Delivery	4
Components & Interfaces	0

ISO/IEC 23026

Item	Response
Responding Organization	ISO/IEC JTC 1/SC 7
Contact Person	SC7/WG19 Convener
Document Name	Recommended Practice for the Internet -- Web Site Engineering, Web Site Management, and Web Site Life Cycle
Document Identifier	ISO/IEC 23026
Document Type	International Standard
Controlling Organization	JTC1/SC7
Primary Domain of Standard	Information Technology
Primary focus of Standard	Management Control of IT
Primary Intended audience	Engineering Managers, Engineers
Corporate Governance of IT	2
Management Control of IT	4
Systems & Applications	0
Technical Delivery	4
Components & Interfaces	0