

Using the SEI Models and Practices to Assure System Lifecycle Deliverables Quality and Compatibility

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141 Required Standards & Security

PROGRAMS

COUNTERMEASURES

Non-Lethal Weapons

Nuclear

Personnel Security

Industrial Security

Operations Security

Physical Security

Information Security

Chem/Bio Weapons

LO/CLO

Special Access Programs

Information Technology

Information Assurance

Space

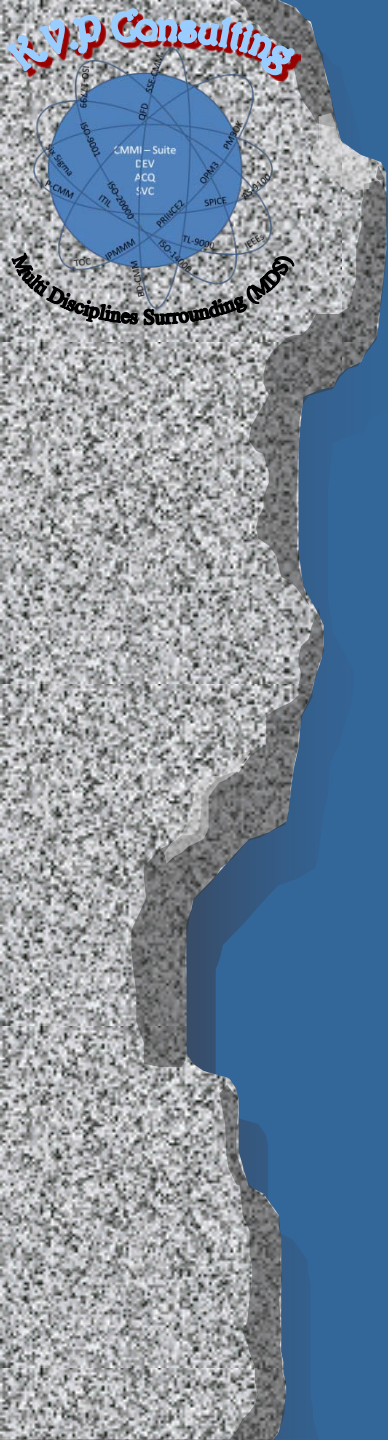
Transportation Mgmt

Supplier Assurance

Anti-Terror

ABOUT THIS CHART

- This chart organizes acquisition security policies and guidance by purpose and Office of Primary Responsibility (see Color Key). It is intended to show all policies an acquisition program may need to comply with and direct them to the full text.
- Policies that cross categories apply to both categories. No meaning is intended by the organization of the categories.
- In the electronic version available on the DORAE/SE website (<http://www.acq.osd.mil/aei/>), each policy is hyperlinked to its full text online. To use the hyperlink, simply click on the policy.
- For printing, the print version is best viewed on 22"x17" (Size C) paper.

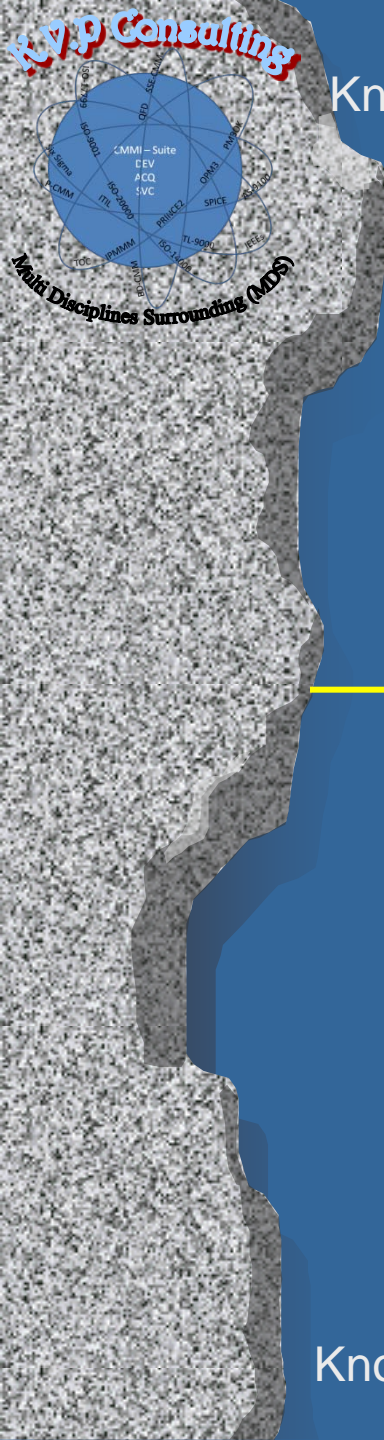


The Theory in the Models is Nice

However

Real Life is More Complicated

Much More

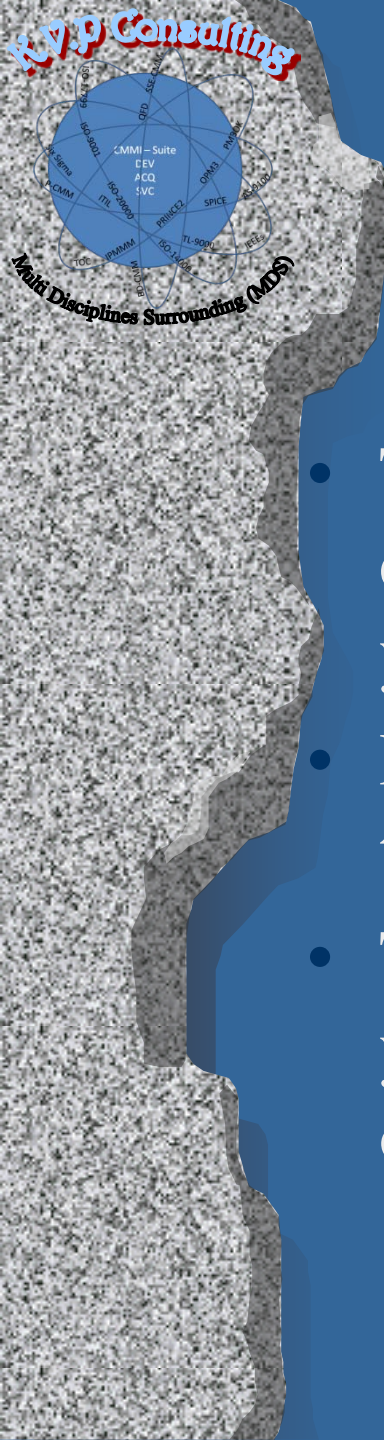


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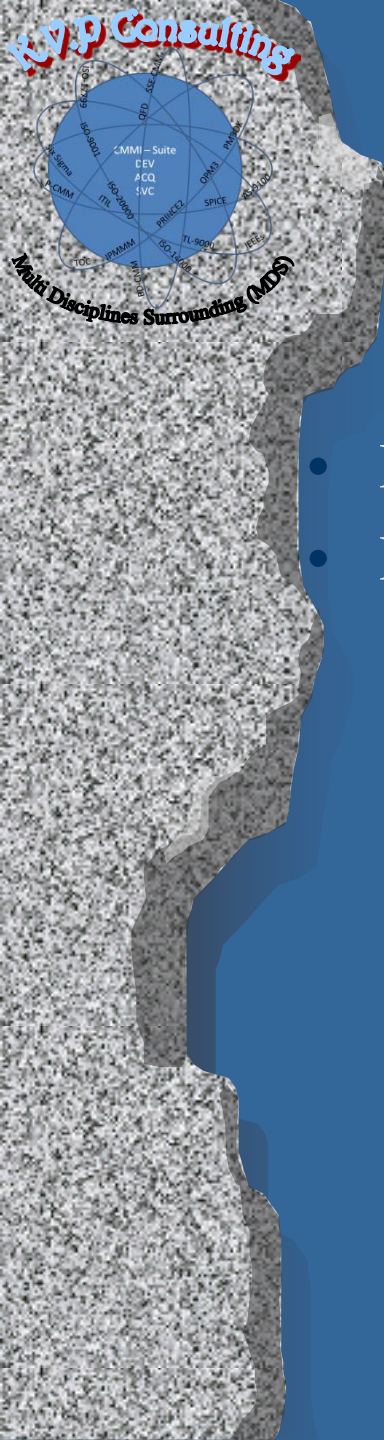
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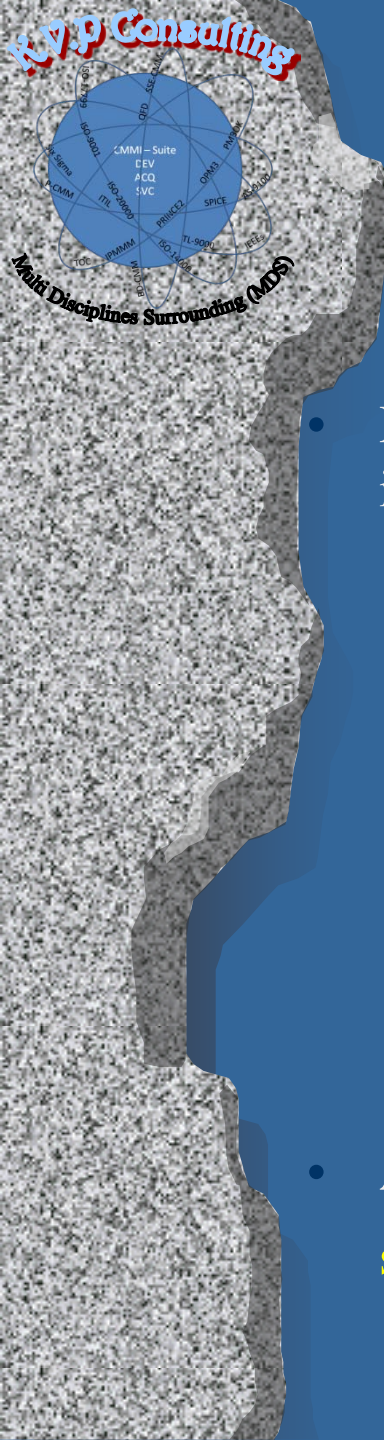
Considerations for Delivery Management

- The product is successful when the cost of development and manufacturing will drop and your profit will increase
- Produce high-quality (?) products within shorter time lines
- To Correct balance between time and cost *versus* yield and quality is essential to maximize return on investment



Considerations for Delivery Management

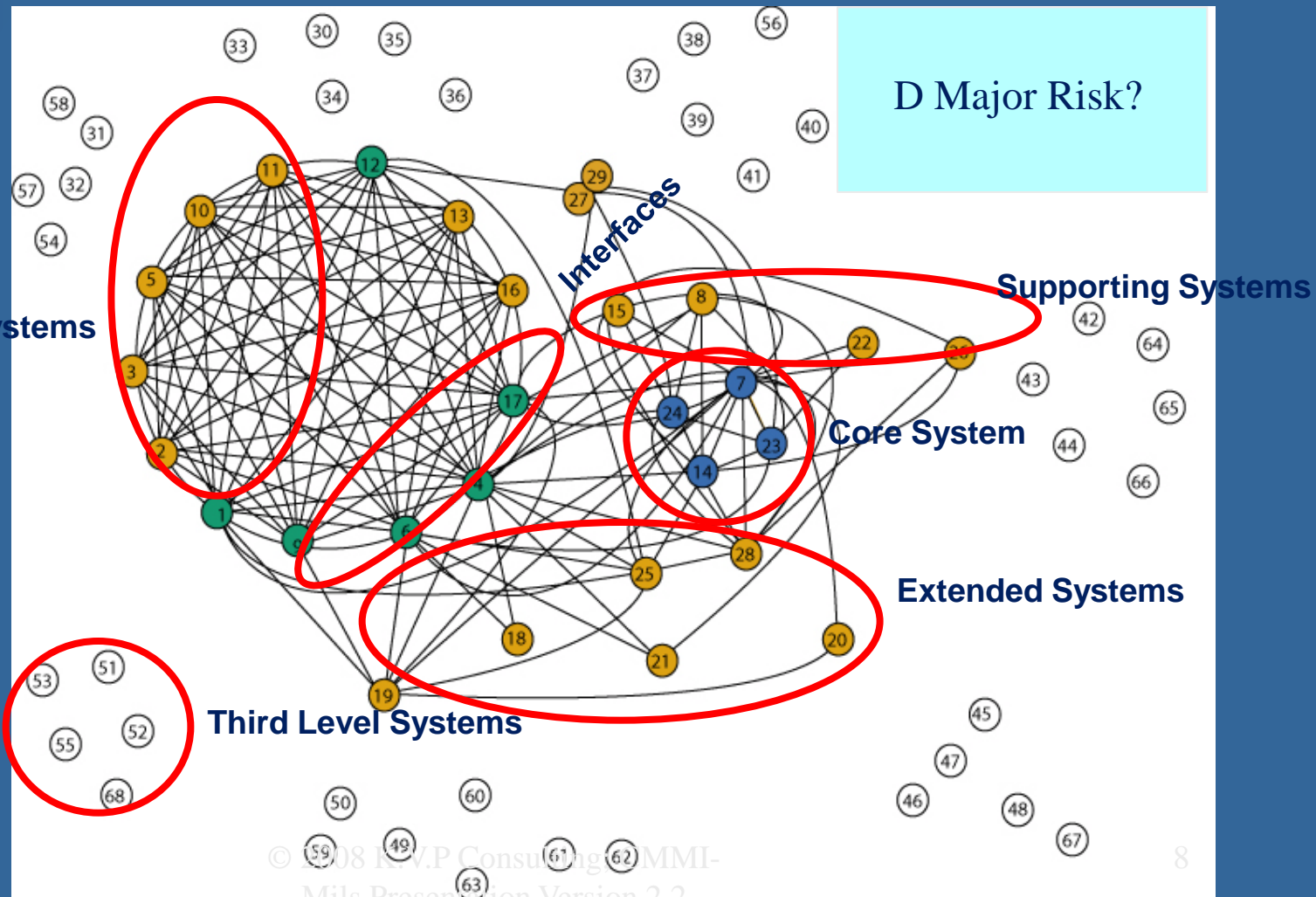
- Demonstration of the scalability
- Partial selection of what to optimize
 - Material
 - Cost of product
 - Design for
 - Scalability
 - Availability
 - Reliability
 - Serviceability
 - Maintainability
 - Supportability
 - Stability
 - Reusability
- Sustainability of the Technology as a solution

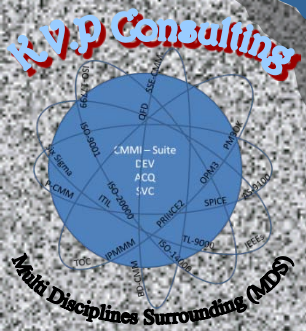


Main Roadblocks in Delivery Management

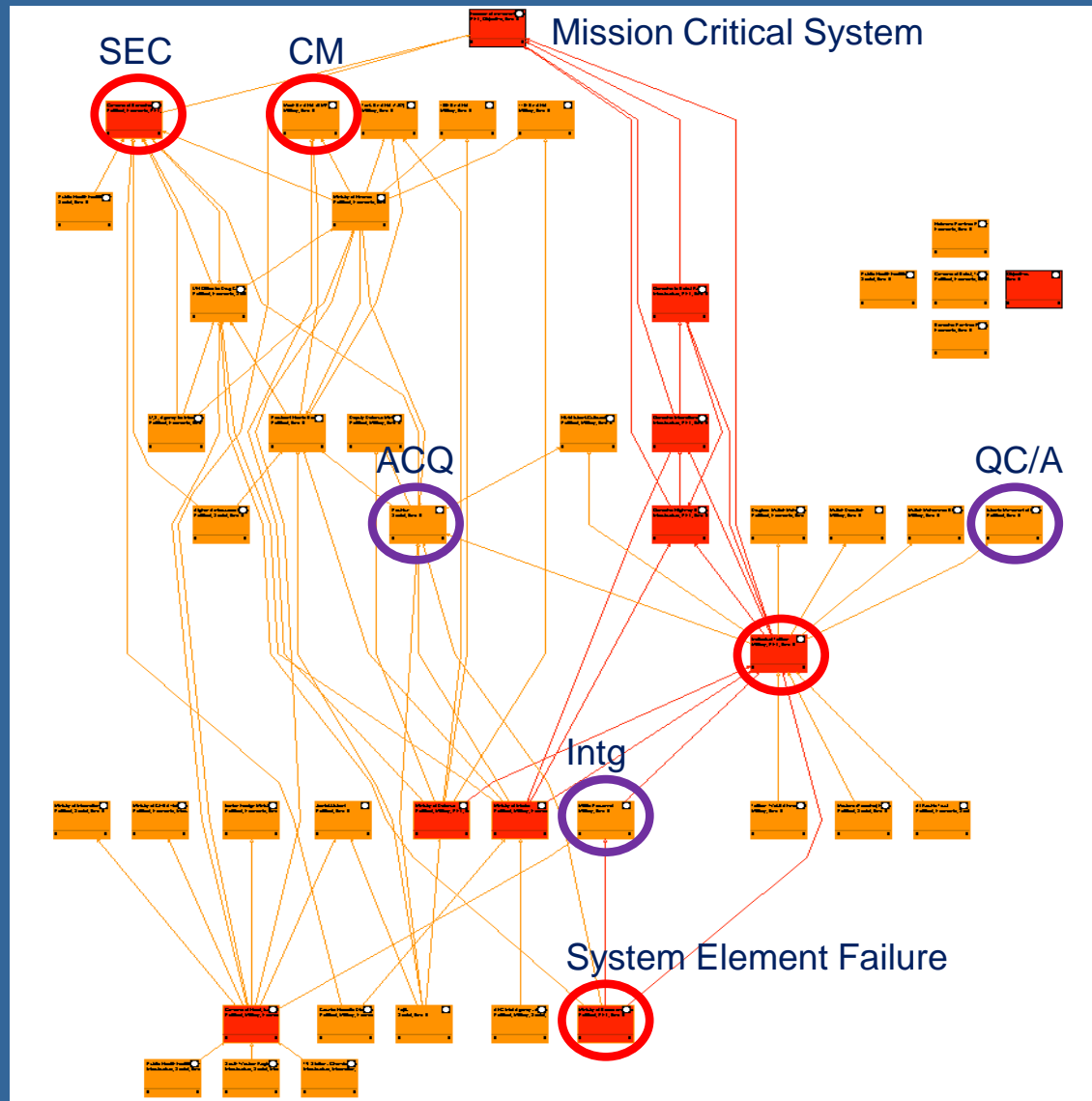
- During our analysis and planning, we were able to **identify** improvement targets in **main lifecycle areas** such as
 - operations,
 - information,
 - governance,
 - people
 - organizational structure,
 - portfolios,
 - project execution,
 - finance.
- And as in core process that are **critical to the system** success such as **stakeholder management, technical interfaces and integration.**

Military Combat Services Support Challenges in the C4ISR Systems





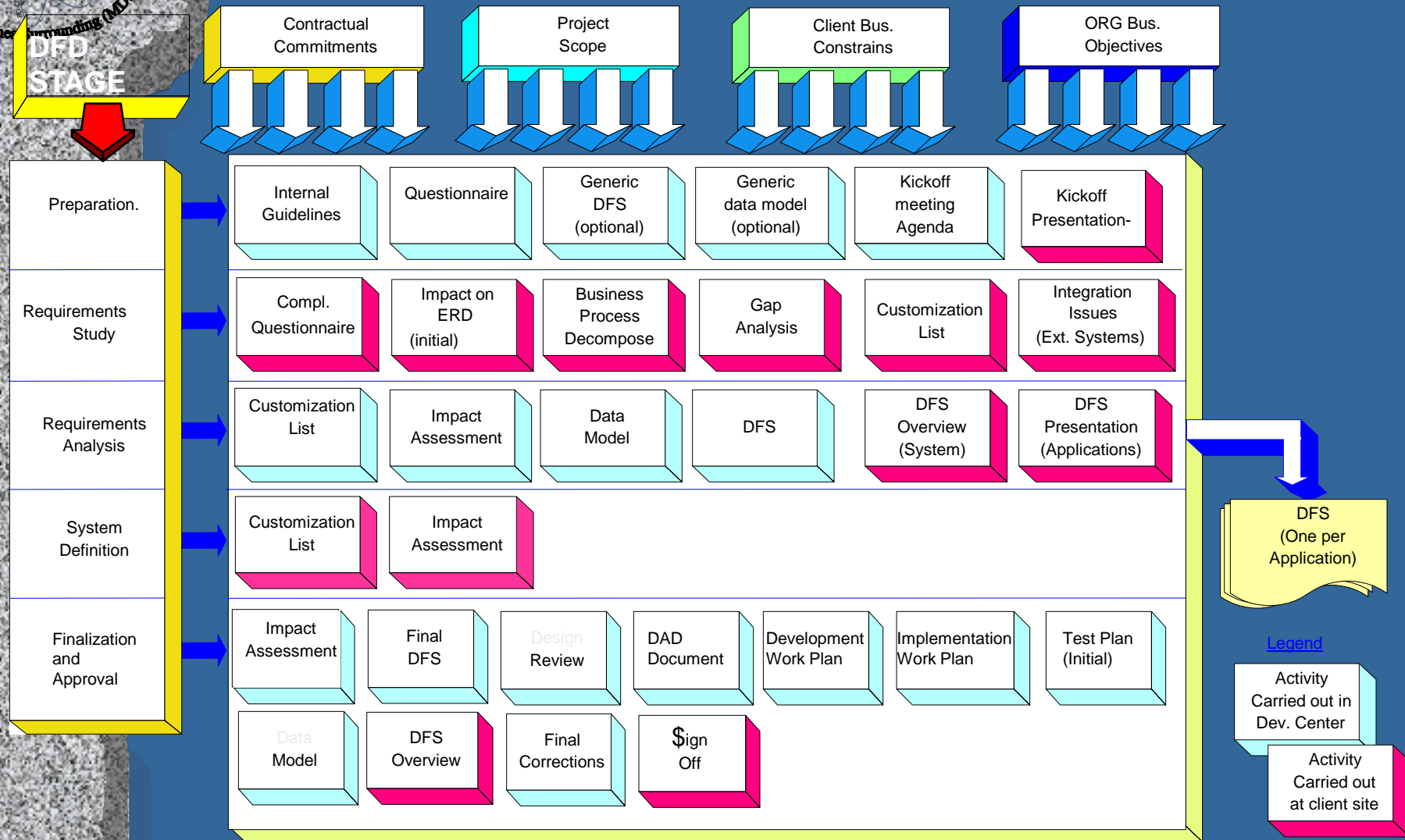
A Complex Effects-based Environment



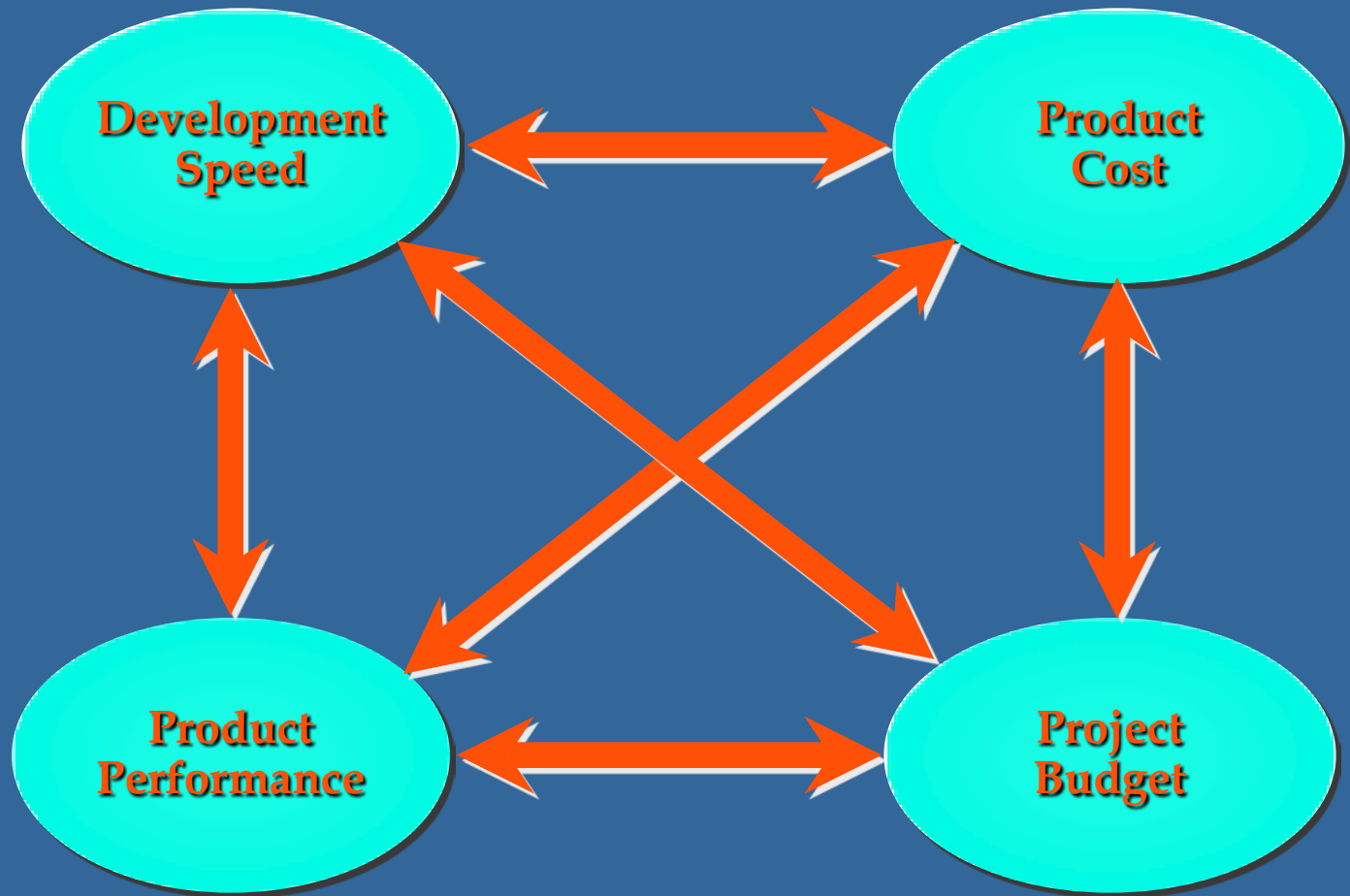
The diagram illustrates the Integrated Defense Acquisition, Technology, and Logistics Life Cycle Management System. It is structured into several key components:

- Functional Groups:** The top section is divided into four columns labeled "Function", "Function", "Function", and "Functional Groups".
- Phases:** The diagram is organized into three main horizontal phases:
 - Planning:** Includes "Joint Capabilities Integration & Development System (need-driven)", "Oversight & Decision", and "Financial Management".
 - Engineering:** Includes "Requirements", "Design", "Development", and "Production".
 - Operations & Support:** Includes "Operations & Support Phase" and "Logistics Support".
- Project Flow:** A red line traces a path through the diagram, starting from the "Planning" phase and moving through various milestones and projects. Key milestones include "Joint Capabilities Integration & Development System", "Oversight & Decision", "Financial Management", "Requirements", "Design", "Development", "Production", and "Operations & Support".
- Functional Groups:** The diagram is divided into four columns labeled "Function", "Function", "Function", and "Functional Groups".
- Overall Management View:** The bottom section provides a high-level overview of the system, including "Planning", "Engineering", and "Operations & Support".

Simplified View



The Priority Balance

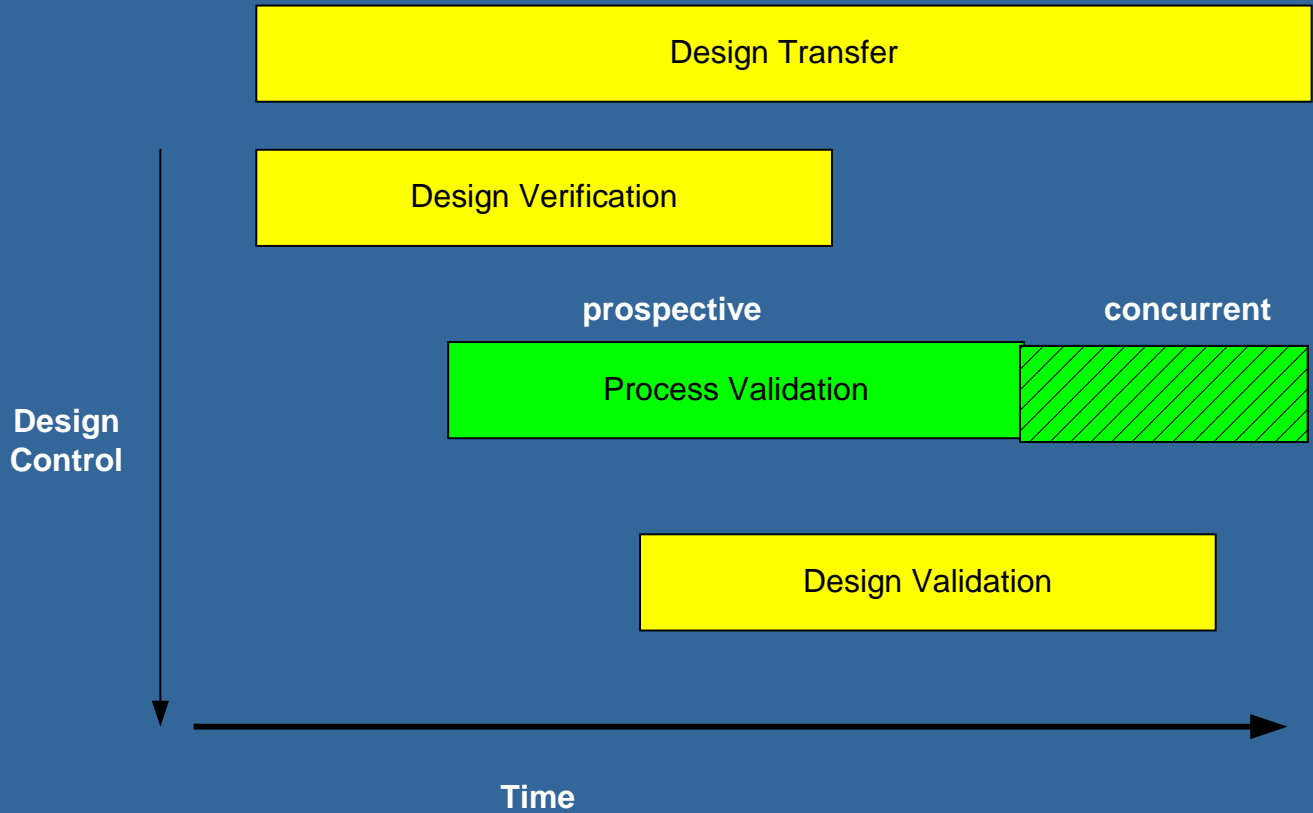


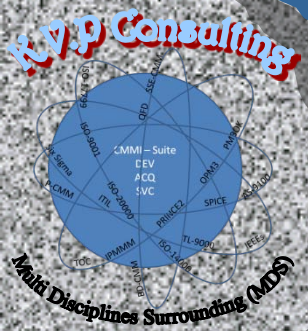


The Compliance Requirements Challenge

	DELIVERABLE	OWNER	DUE DATE	COMPLETION STATUS			PERFORMANCE VS CRITERIA			KEEP BEING	EXIT REQUIREMENTS			NOTES
				Red	Green	Yellow	Red	Green	Yellow	CONFORMANCE	Red	Green	Yellow	
										(1-80)				
I - Carryover deliverables from Phase 1														
1	Verification that concepts satisfy the Voice of the Customer			Red	Yellow	Green	Red	Yellow	Green		Red	Yellow	Green	European focus group very positive.
II - Deliverables for Phase 2														
Demonstrate Features & Performance Requirements to be Superior & Meet Customer Needs														
1	Approval of Final Features and Performance Requirements Document	Team		Red	Yellow	Green	Red	Yellow	Green		Red	Yellow	Green	Nomenclature & Accent are TBD.
2	Results of customer acceptance & product benchmarking studies	William		Red	Yellow	Green	Red	Yellow	Green					IQ Research complete
3	Feature/cost trade-off decisions	Team		Red	Yellow	Green	Red	Yellow	Green					Complete
Demonstrate that Skeletal Designs are Superior														
1	Approval of Final Subsystem Requirements Document	Team		Red	Yellow	Green	Red	Yellow	Green		Red	Yellow	Green	Accent Colors TBD.
2	Integrate hardware/software/sensitized materials & system/subsystem interfaces	Rauschenplat/Crichton		Red	Yellow	Green	Red	Yellow	Green					Completed
3	Skeletal Design Description Document	Rauschenplat		Red	Yellow	Green	Red	Yellow	Green					Completed
4	Critical Parameter Layouts, with set points & tolerances	Rauschenplat/Crichton		Red	Yellow	Green	Red	Yellow	Green					Data for G. D completed.
5	Preliminary bill of materials	Rauschenplat		Red	Yellow	Green	Red	Yellow	Green					Spreadsheet complete. X-status ~ 90%
6	Patent position	Rauschenplat		Red	Yellow	Green	Red	Yellow	Green					No disclosures. No infringements.
Demonstrate that Skeletal System Designs are Robust														
1	Engineering Evaluation Test Plans	Webster		Red	Yellow	Green	Red	Yellow	Green		Red	Yellow	Green	Completed
2	Predictions & evidence of performance and variability	Webster		Red	Yellow	Green	Red	Yellow	Green					Part Failures/Failure Modes completed.
3	Conclusions from life & keeping tests, analytical design, & Eng. Eval. Tests	Rauschenplat/Crichton		Red	Yellow	Green	Red	Yellow	Green					E.A.R. inputs complete, not published.
4	Assessment of interactions among parameters & subsystems	Rauschenplat/Crichton		Red	Yellow	Green	Red	Yellow	Green					Completed in Breadboard testing.
5	Packaging & handling concepts	Appleton		Red	Yellow	Green	Red	Yellow	Green					Same as Cimes
Demonstrate Achievable Manufacturing and Operations Plans														
1	Selection of critical manufacturing processes, materials & suppliers	Hoffman		Red	Yellow	Green	Red	Yellow	Green		Red	Yellow	Green	60 hz green, 50 hz red
2	Final production site selection, with implementation plan	Strong/Chese		Red	Yellow	Green	Red	Yellow	Green					No new processes/suppliers.
3	Tooling & assembly strategy	Strong/Chese		Red	Yellow	Green	Red	Yellow	Green					Sites Done; 60 hz Done, 50 hz Not
4	Assessment of risks for manufacturing processes & sources	Strong/Chese		Red	Yellow	Green	Red	Yellow	Green					Newly same/FPNM tools & processes
Demonstrate Achievable Marketing and Service Plans														
1	Service plans	Barrella		Red	Yellow	Green	Red	Yellow	Green		Red	Yellow	Green	Completed
2	Baseline service approach for diagnostics, tools, parts, preventive maintenance	Barrella		Red	Yellow	Green	Red	Yellow	Green					Completed
3	Updated marketing plan, objectives, positioning & analyses, w/ key assumptions	Lee/Mills		Red	Yellow	Green	Red	Yellow	Green					Completed
4	Preliminary sales, distribution, & customer support plans	Lee/Mills		Red	Yellow	Green	Red	Yellow	Green					60 hz complete; 50 hz in process
Approval of and Commitment to Program Management and Business Plans														
1	Approval of & commitment to Program Business Plan	Marlin		Red	Yellow	Green	Red	Yellow	Green		Red	Yellow	Green	60 hz yellow, 50 hz red
2	Financial case requirements	Marlin		Red	Yellow	Green	Red	Yellow	Green					Completed
				Red	Yellow	Green	Red	Yellow	Green					60 hz complete; 50 hz in process

Design Controls & Process Validation





The Challenge Statement

Organizations that need to manage matrix / complex business unit with functional teams or systems and to establish business relationships with other businesses face major challenges including:

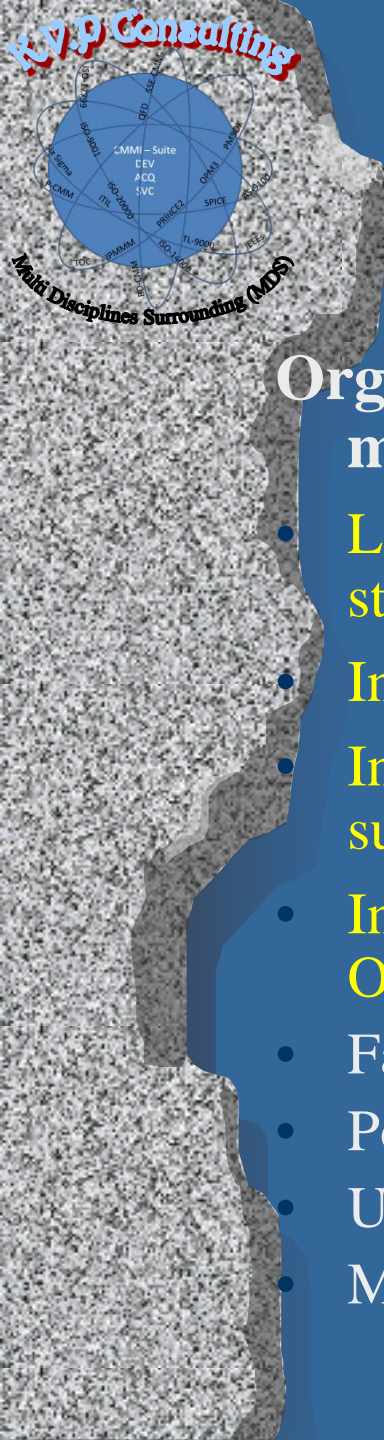
The need for creating a win-win-situation

The effort to align business processes and link up information systems across company borders

Organizations do not know how to efficiently use interoperability from the business perspective to identify the fundamental artifacts that are related to the business interoperability



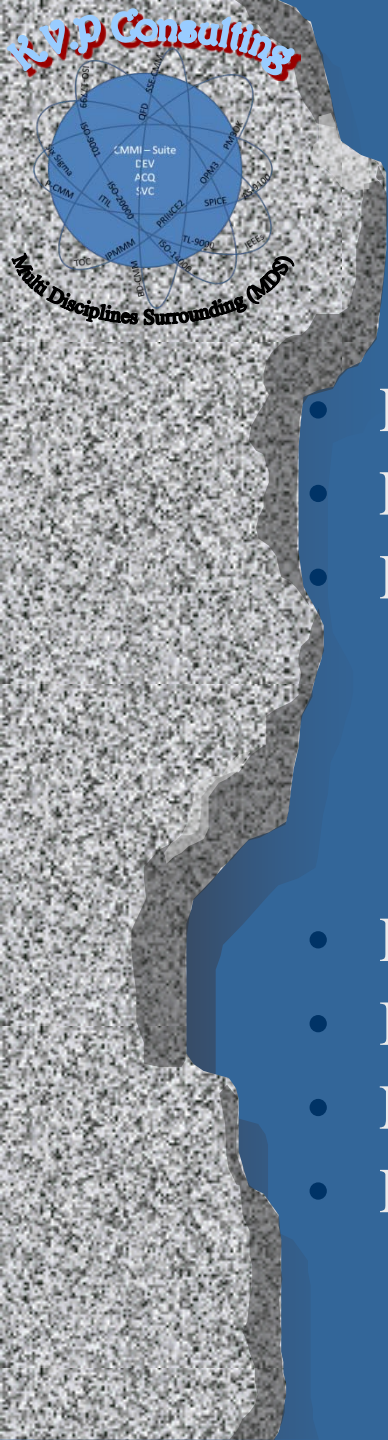
Integrated Risk Management Approach



Common Failures - 1

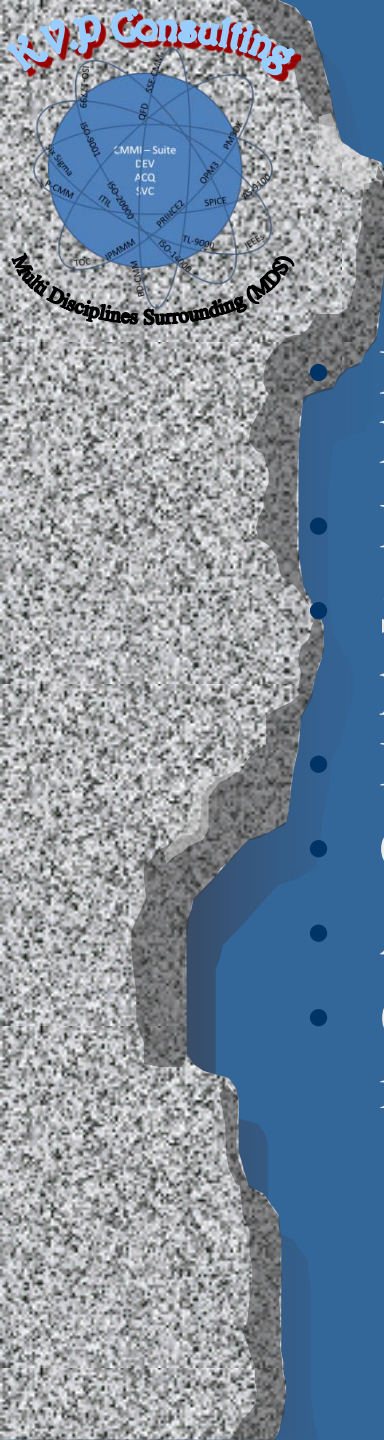
Organizational risk events are predominantly managerial, not technical.

- Lack of defining business objectives in quantitative terms and structure
- Inadequate definition of 'Good Enough' level
- Inability to differentiate different business objectives and success factors for the different domains and lifecycle phases
- Inadequate resource usage and adjustment to Plan and Objectives
- Failure to identify and manage risks
- Poor or mismanaged service / operational requirements
- Uncontrolled baselines, no configuration management
- Misunderstood business / operational needs and objectives



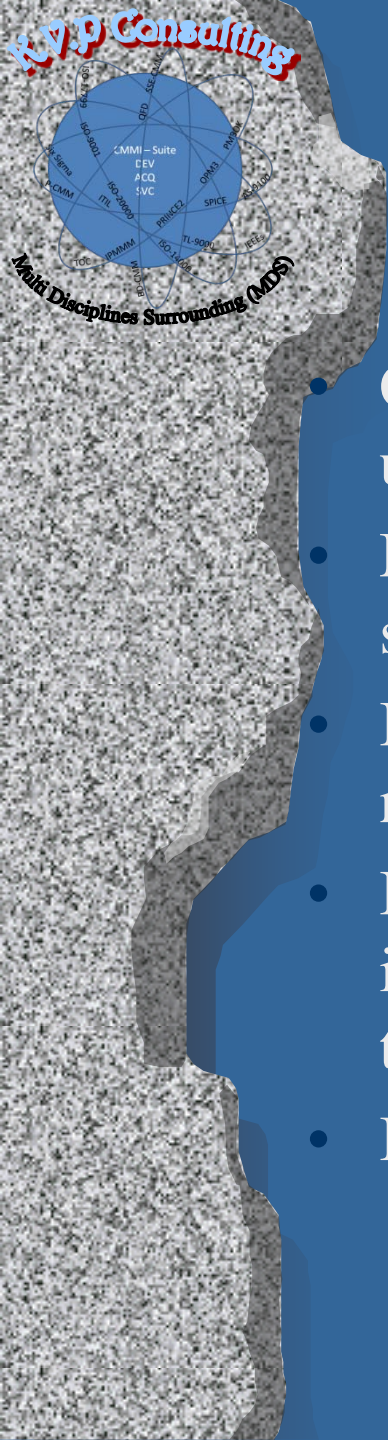
Common Failures - 2

- Poor contractor acquisition or management
- Lack of skills, capability and training
- Poor planning and tracking
 - Value Stream
 - Equipment
 - Resources
 - Finance
- Poor / misuse of data and measurements
- Inability to estimate accurately
- No quality assurance / control
- Poor communications



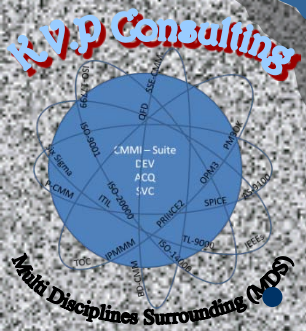
The Operational Need

- Management capability level from both professional and knowledge level
- Performance and reporting norms
- Self management and self discipline maintaining personal professional and knowledge capabilities
- Individual and team discipline
- Cooperation and knowledge and resource sharing
- Appropriate visibility of information, data and capabilities
- Quality of readiness and preparedness for performing mission



The Operational Need

- Centralized resource management and appropriate utilization and usage of it
- Multidimensional management (future planning, unit strategy, short term objectives, the immediate objectives)
- Initiating, developing and implementation management of new processes and technologies
- Balanced planning and deploying new processes and tools improvements and new technologies in a measured way that will quantify the improvement vs. expectations
- Information, data and communication security



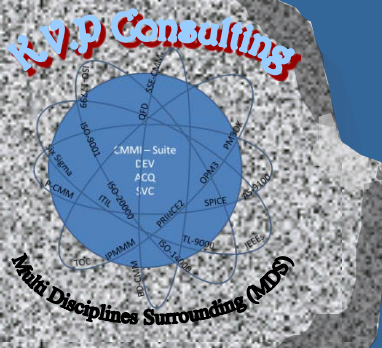
The Operational Need

Each person working in the implementation organization will need to do the following:

- Access the processes descriptions
- Understand the lifecycle at a top level
- Understand in detail of the processes that he or she performs

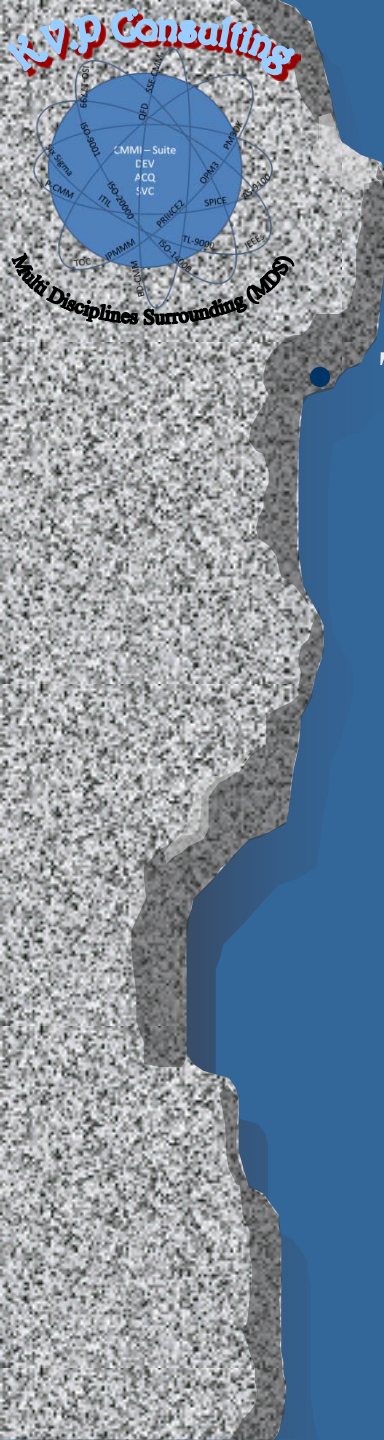
In addition, managers must do the following:

- Understand the lifecycle at a top level
- Understand the leadership change management expectations in detail
- Understand how to lead the unit using the new processes
- Access historical measurement data for all processes and product versions performance
- Support implementation of new processes in their own surroundings
- Remove roadblocks to implementation



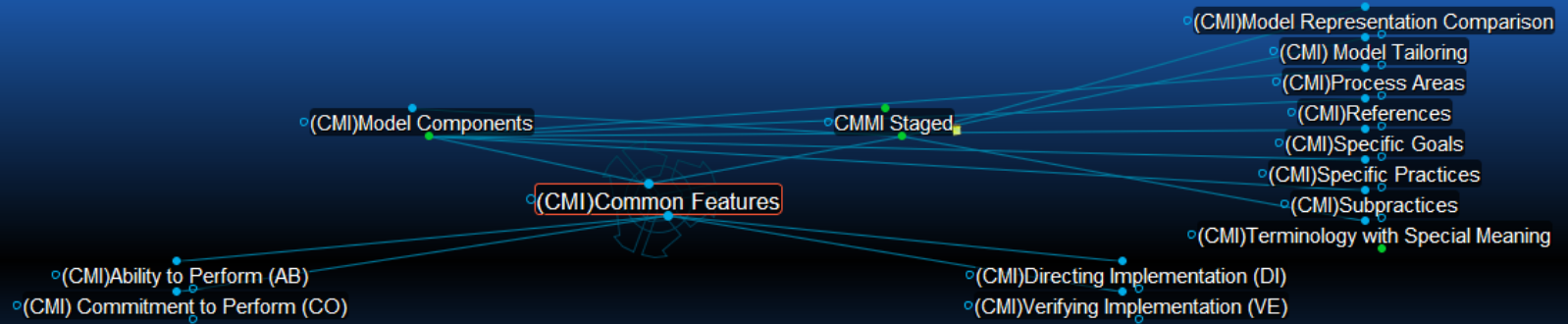
Main Risks Areas and Impact (Example Only)

Risk Class	Risk Type	Activity or Event	Examples	Mitigation	Frequency & Severity
People	Internal	Unauthorized Activity Lack of skilled personnel	Rogue Trading High employee turnover	Partially insured	
People	External	Fraud	Theft	Partially insured	
Systems	Internal	Model Risk	Model/Methodology error Mark-to-model error	Technical risk audit Improve quality of models/people	
Systems	External	Technology Risk	Telecommunication failure Blackouts	Contingency planning Insurance	
Processes	Internal	Transaction Risk	Execution error Settlement error Documentation/contract risk	Improve processes	
Asset damage	Internal	Physical asset risk	Pipeline Rupture Production loss Unexpected plant outage	Partially insured Contingency planning	
Asset damage	External	Physical asset risk	Uninsured or irrecoverable loss or damage to assets	Insurance	



The Challenge

- This situation where the organization is running
 - separate process improvements on different parts of the system / product lifecycle
 - With partial overall view in interactions and handshakes between these groups is introducing inefficient usage of
 - resources,
 - expensive maintenance of duplicate infrastructures
 - and Organizational Sets of Standards Processes as well as assets,
 - May result in less quality and impacting the competitive edge with their global counterparts.



Search

(C... (CMI)quantitatively managed process (CMI)optimizing process (CMI)managed process (CMI)Characteristics of Institutionalization (CMI)Common Features

Thought

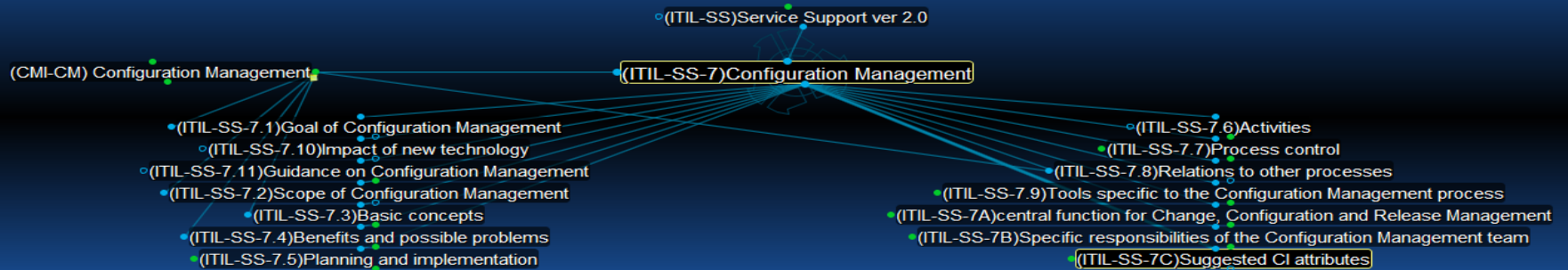
Tags

Details

Search

Reports

Calendar



Search

(CMI)Common Features (CMI)Model Components CMMI Staged ISO 9000:2001 ITIL (ITIL-SS)Service Support ver 2.0 (ITIL-SS-7)Configuration Management

Thought

Tags

Details

Search

Reports

Calendar

(ITIL-SS-7) Configuration Management

Private

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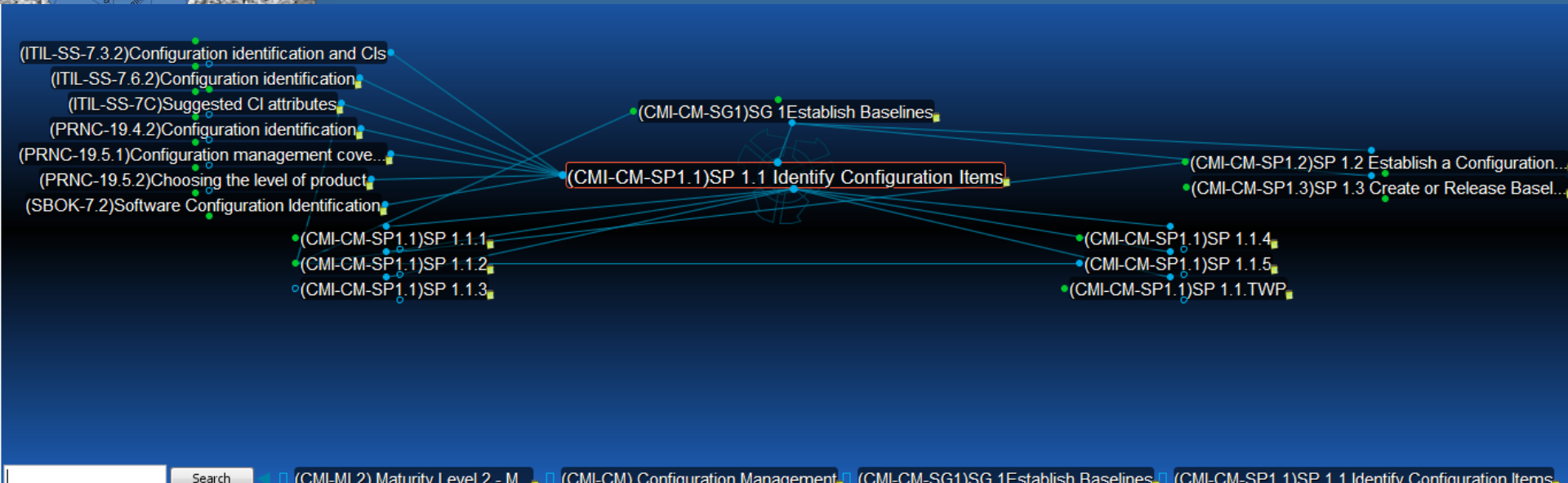
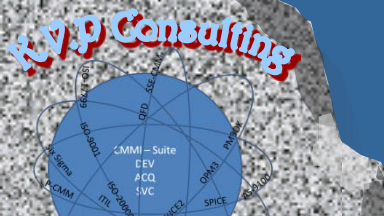
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Search (CMI-ML2) Maturity Level 2 - M... (CMI-CM) Configuration Management (CMI-CM-SG1)SG 1 Establish Baselines (CMI-CM-SP1.1)SP 1.1 Identify Configuration Items

Notes

File Edit View Insert Format Tools Table

Arial 10pt B I U

Identify the configuration items, components, and related work products that will be placed under configuration management. [PA150 IG101.SP101]

Configuration identification is the selection, creation, and specification of the following: [PA159 IG101.SP101.N101]

Products that are delivered to the customer

Designated internal work products

Acquired products

Tools

Other items that are used in creating and describing these work products

Thought Tags Details Search Reports Calendar

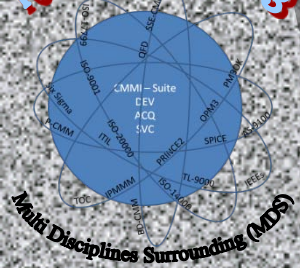
(CMI-CM-SP1.1)SP 1.1 Identify Configuration Items Private

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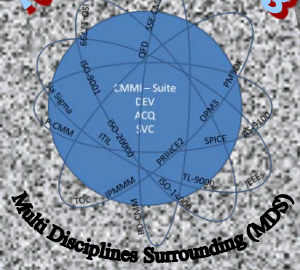
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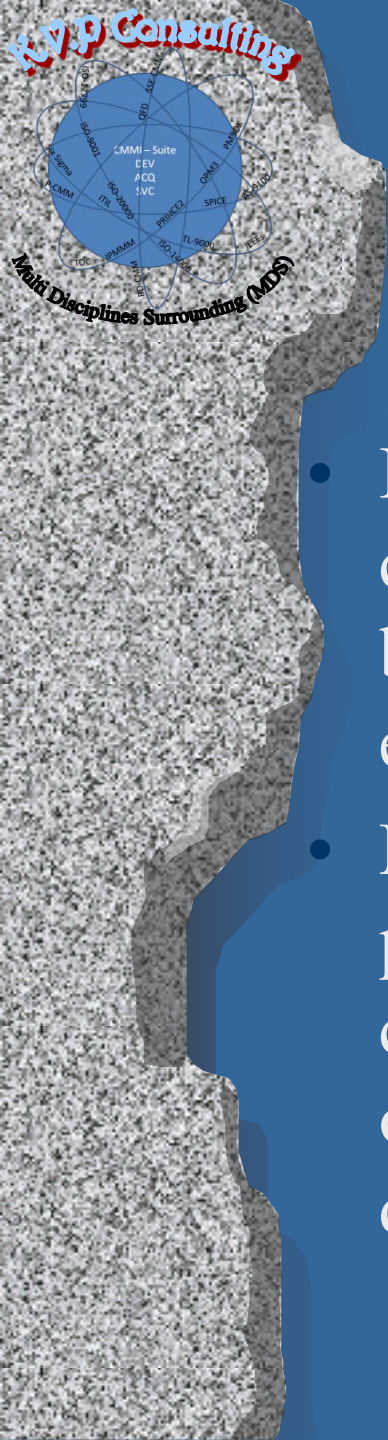
The Approach to the Solution Concept

- Best practices in the model focus on activities for providing quality services to the customer and end users
- To identify improvement targets in main lifecycle areas such as operations, information, governance, people and organizational structure, portfolios, project execution, and finance
- Select processes that are critical to the system success such as stakeholder management, technical interfaces and integration



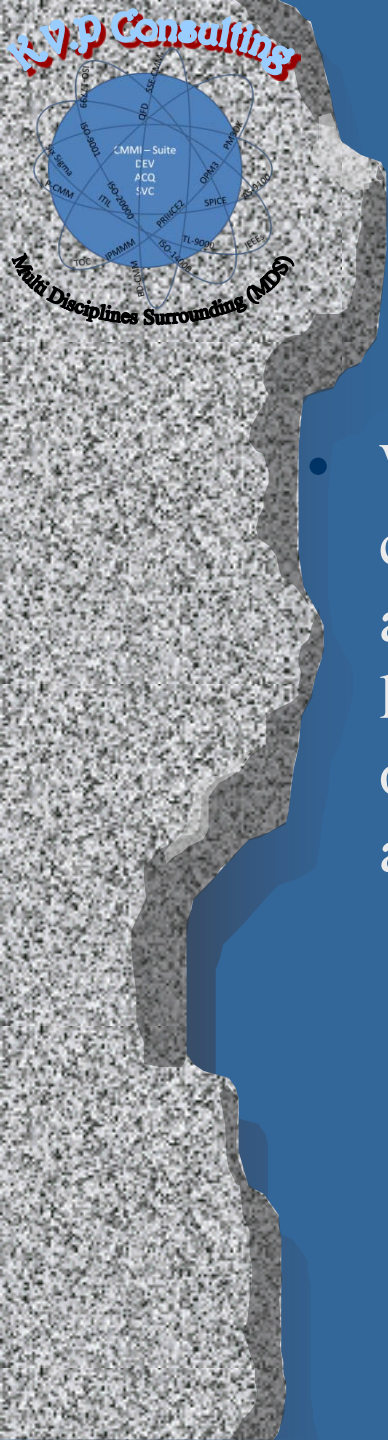
The Approach to the Solution Concept

- Build an action plan composed from the following main steps
 - Organizational map
 - Functional team and groups size and role in the lifecycle
 - Full lifecycle map
 - Setting improvement targets
 - Gap analysis
- Suggesting to the senior management to address the lifecycle and process (as a whole) as a complex of crossing interfaces and to add additional content to the lifecycle map (as a layer)



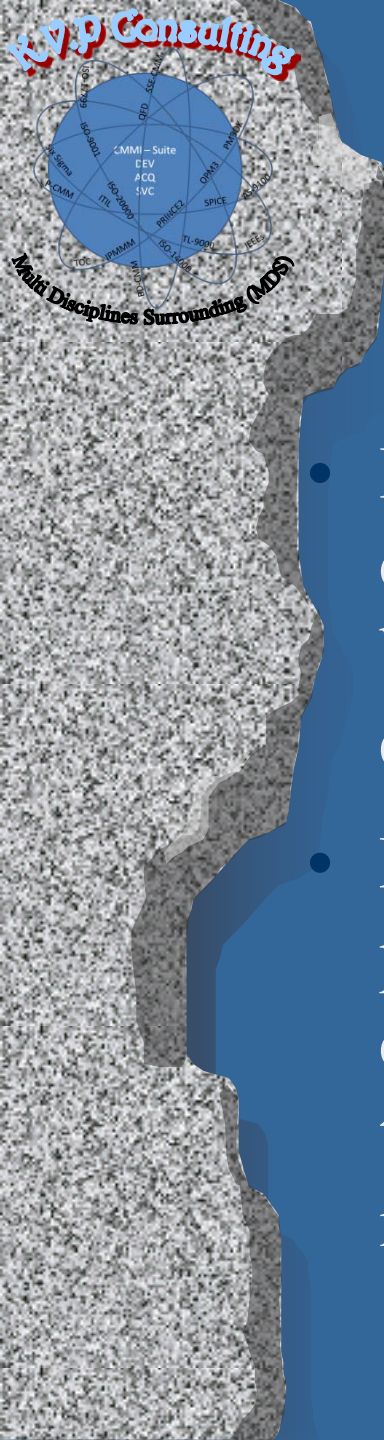
The Conceptual Solution

- Building on contingency theory, it outlines a comprehensive framework suggesting a fit between the level of Mission interoperability and environmental as well as internal contingencies.
- Moving from the current environment of basic process and way of thinking toward a more controlled and measured process to reduce the overwhelming amount of information that build decisions



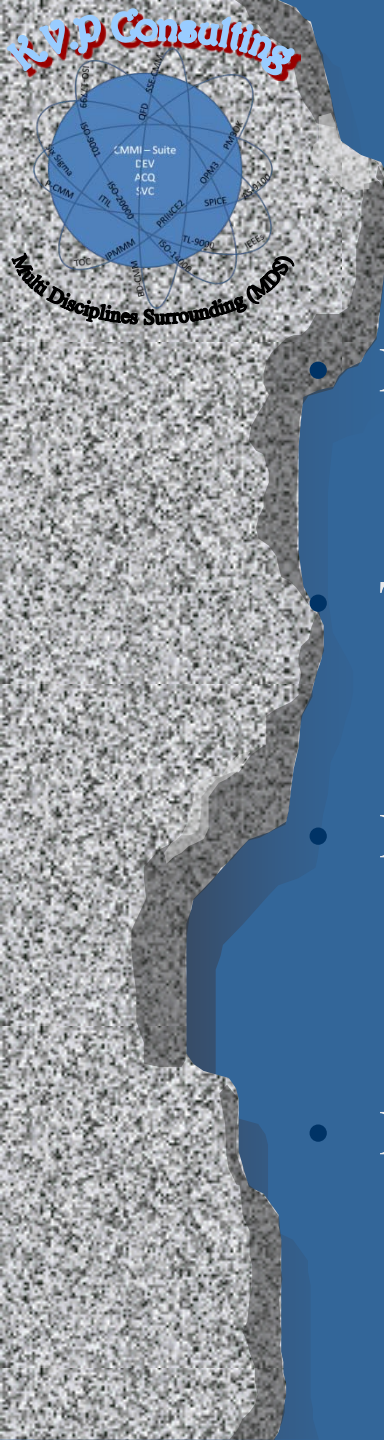
The Conceptual Solution

- We have found that Maturity Models and practices combined with some other industry standards and methods as a new integrated approach can be used as tools to leverage procedures to support the lifecycles and the organizational business objectives and capability, readiness and preparedness to achieve improvement and excellence.



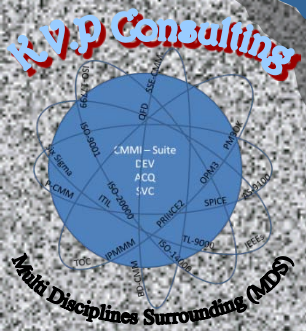
The Conceptual Solution - 1

- Building on contingency theory, it outlines a comprehensive framework suggesting a fit between the level of business interoperability and environmental as well as internal contingencies.
- Moving from the current environment of basic processes and way of thinking toward a more controlled and measured set of processes to reduce the overwhelming amount of information that is now required to build decisions

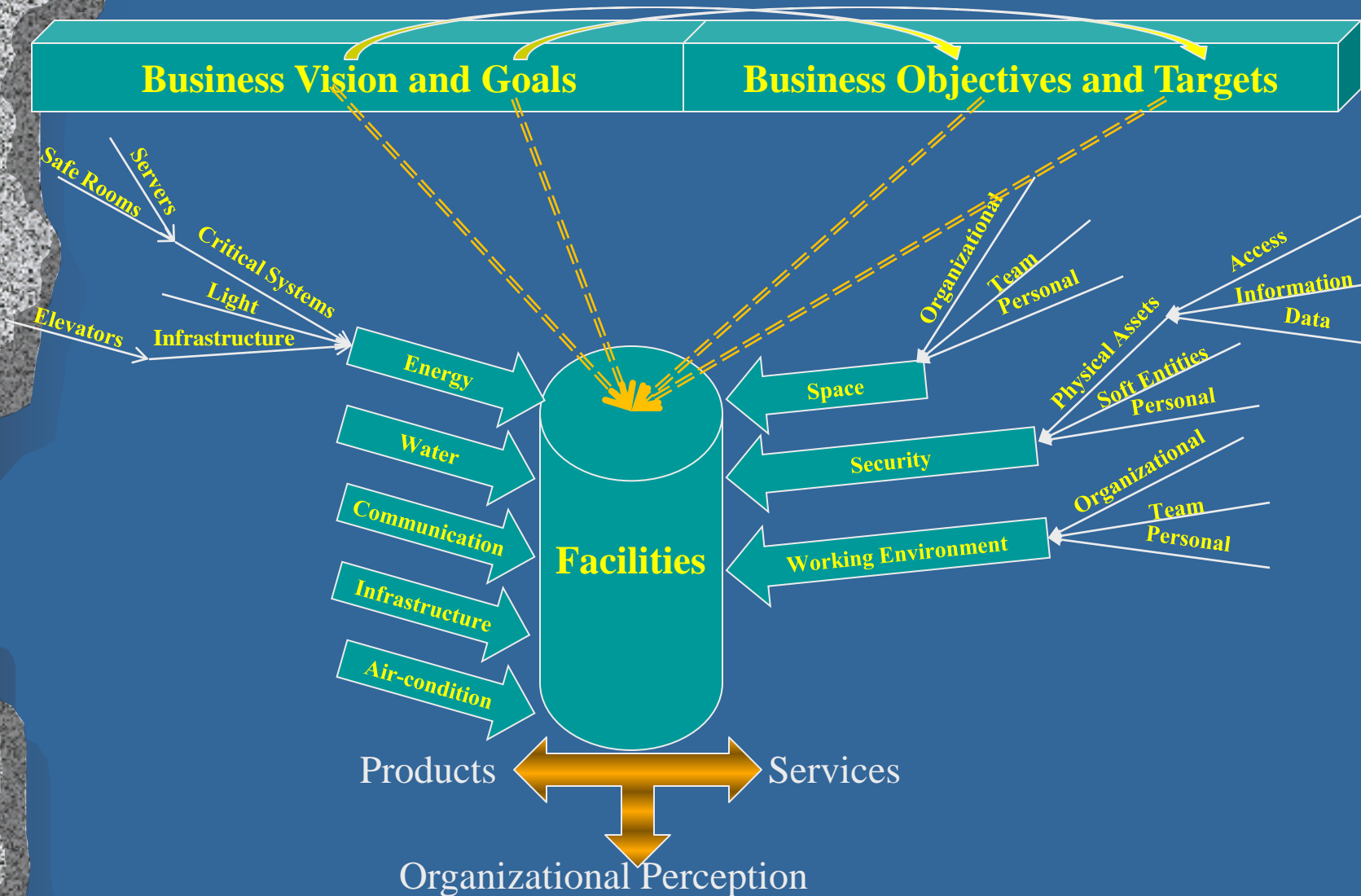


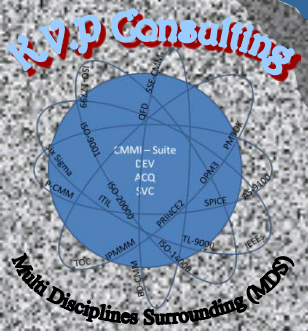
The Four Main Entities and Their Role

- Facility
 - Provide the ‘hard and physical’ working environments and infrastructure
- Technology
 - Provide the ‘soft and intangible’ working environments and infrastructure and tools
- Process
 - Provide the working procedures and instructions, which assume to guide in the most effective way how to use the facilities and technology to achieve the business objectives by the people
- People
 - Provide the individuals that build the teams within the organizational units and groups, that perform the tasks and activities described in the process



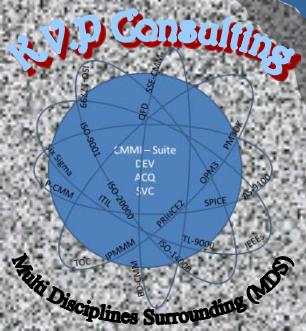
The Organization Managed Layers – Facility (as illustration only)





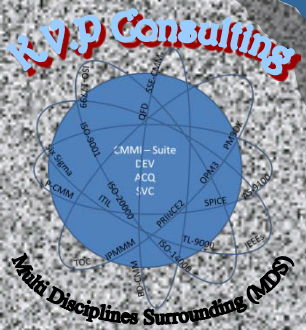
The Organization Managed Layers – Technology **(as illustration only)**

Safety Equipment	Security Equipment	Dashboards	Support Application
Maintenance Equipment	Manufacturing Equipment	Maintenance Environments	Manufacturing Environments
Development Tools	Administrative Equipment	Administrative Applications	Development Environments
Desktop / Laptop	Access System	Knowledge	Information
Servers	Phones	Intellectual Property	Patents
‘Physical’ Technology		‘Soft’ Technology	



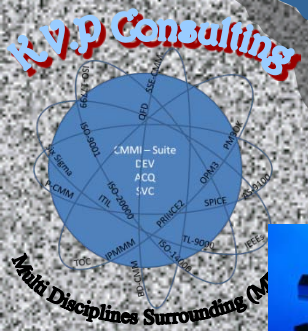
The Organization Managed Layers – Processes (as illustration only)

XX	XX	Acquisition / Procurement	Support
Work Environments	Safety	Maintenance	Manufacturing
Ethics	Environmental	Development	Managerial (Portfolio)
Human Resources	Security	Knowledge	Managerial (Program)
Legal	Finances	Intellectual Property	Managerial (Project)
Administrative (Corporate 'wise')		Business / Delivery (Product 'wise')	



The Organization Managed Layers – People (as illustration only)

Administrative	XX	XX	XX	XX	Business / Delivery
	XX	XX	XX	XX	
	XX	XX	XX	XX	
	XX	XX	XX	XX	
	XX	XX	XX	XX	
Human Resources (Individuals)					



Conceptual Structure and Elements



Dashboards and Infrastructure



Measurements Collection
And Supporting Technologies



Standards Compliance Map



STORM - BOK

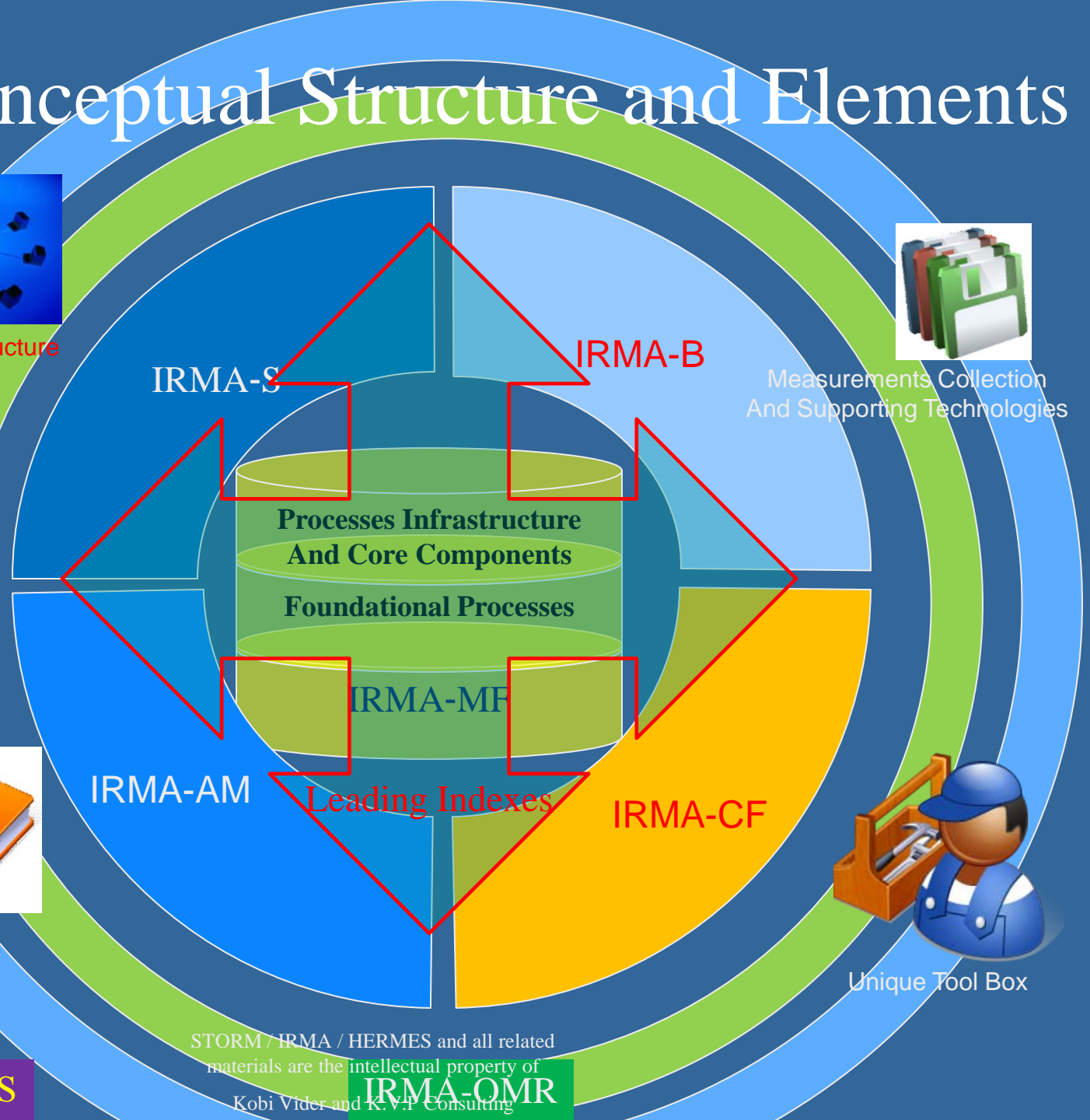


Unique Tool Box

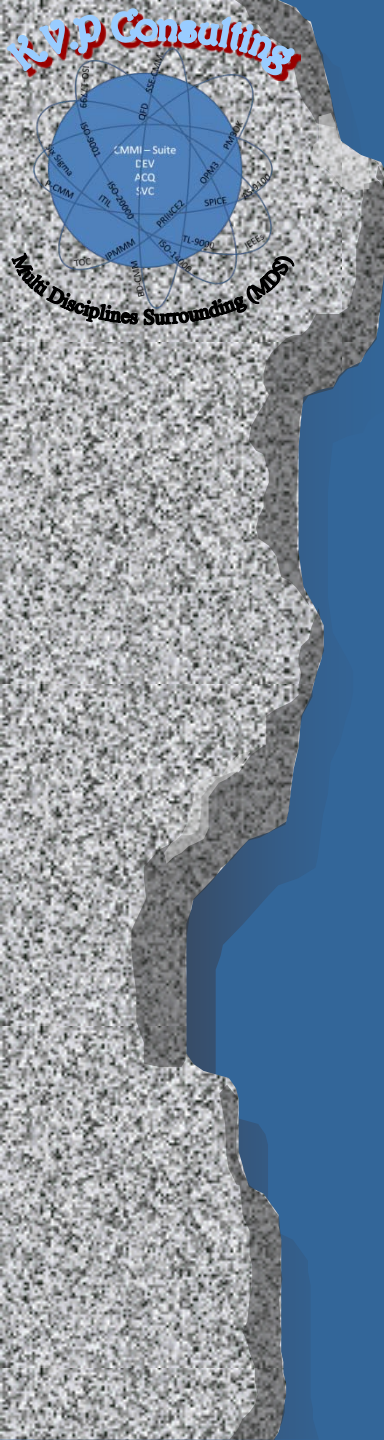
HERMES

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IRMA-OMR



Solution Architecture

Preface

Part One – About the Model

1. Introduction
2. Model Components
3. Working with the Model
4. Relationships Among Areas
5. Implementation Guidelines
6. Interpretation Guidelines

Part Two – Model Body

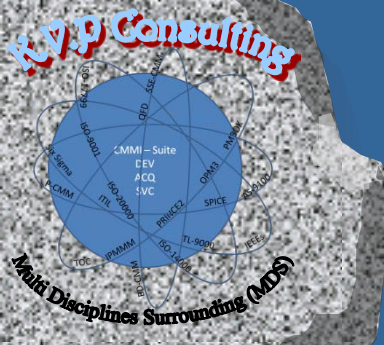
- 1. Volume #1 – Process Foundations**
- 2. Volume #2 – Foundation Processes**
- 3. Volume #3 – Delivery Processes**
- 4. Volume #4 – Support Processes**
- 5. Volume #5 – Skills Building Processes**
- 6. Volume #6– Process Improvement and Optimization Capabilities**

Part Three – The Appendices and Glossary

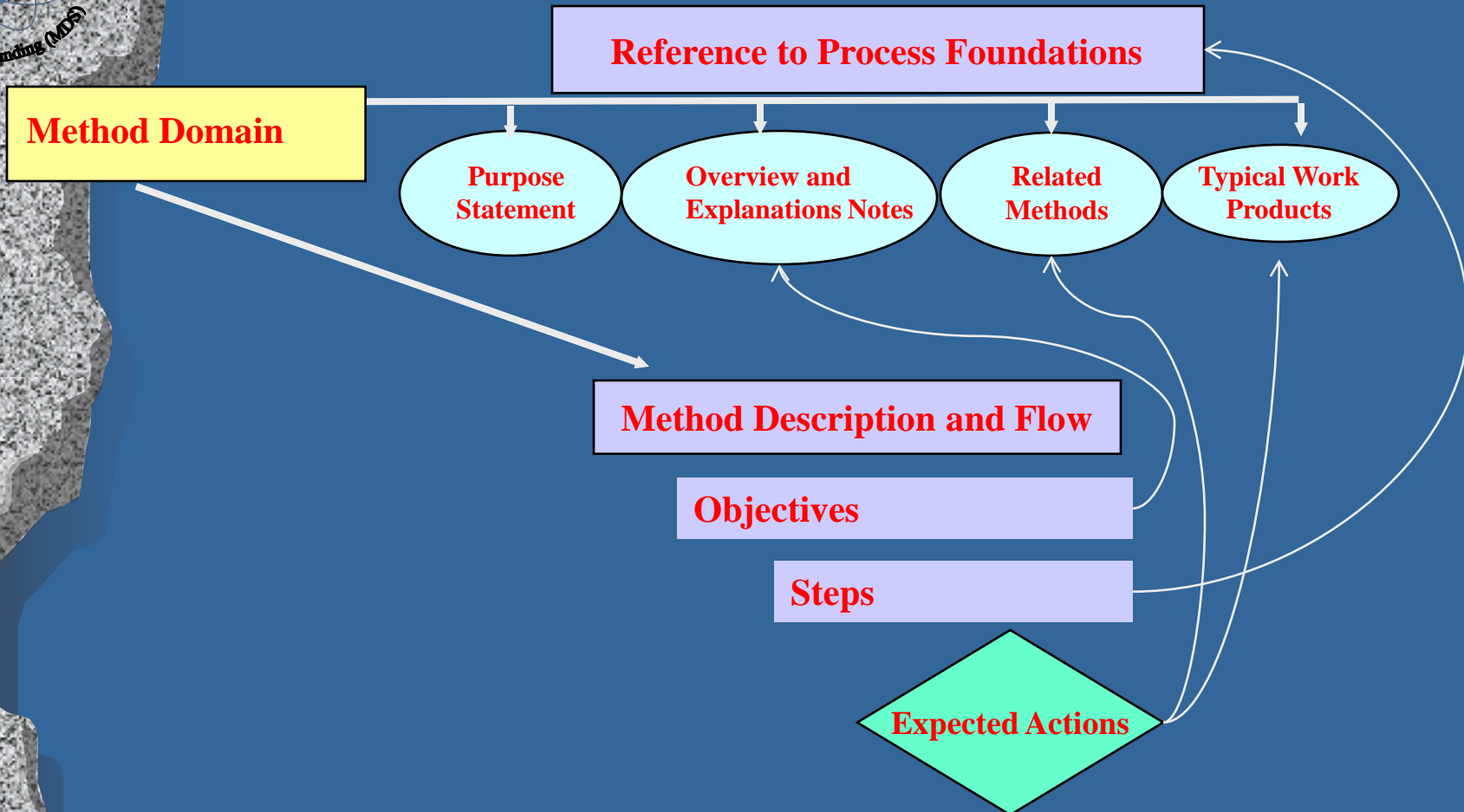
References

Acronyms

Glossary



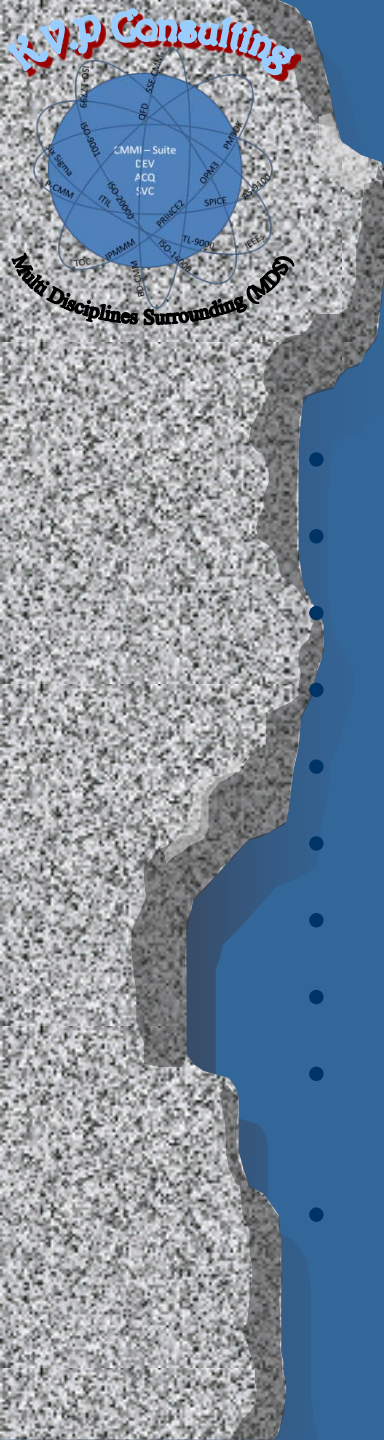
Volume Chapter Structure



Legend

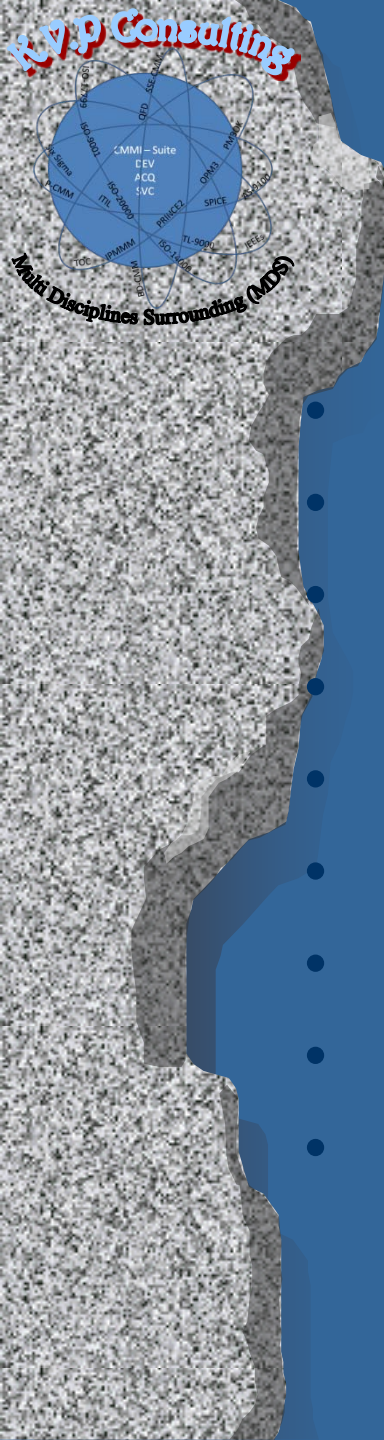
Required

Expected



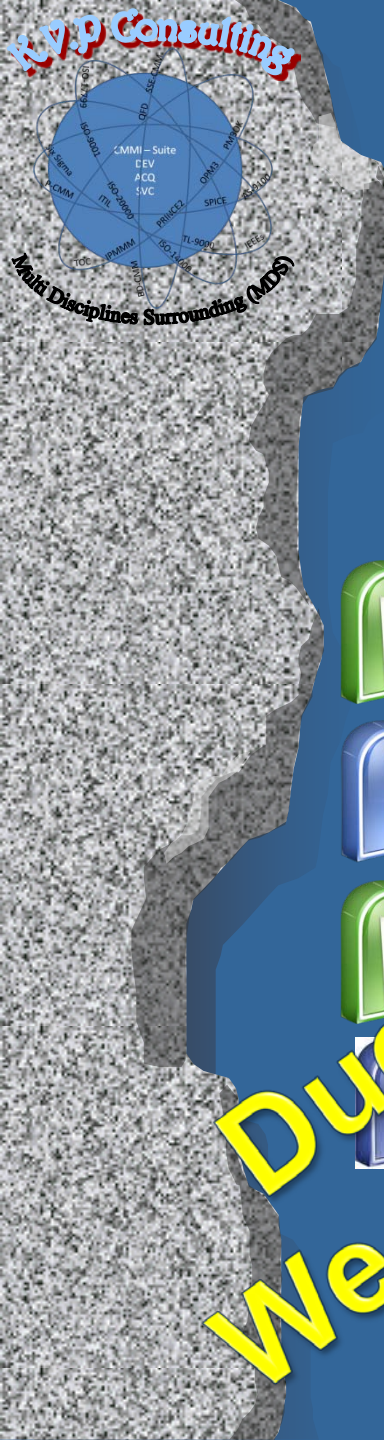
Operational Processes KPI's

- Known Capability and Stable
- Defined Ingredients
- Known Critical Elements
- Meeting Objectives
- Controlled Interfaces
- Responsive / Modifiable
- Resilience / “Agile”
- Relevant ‘What If’s Scenarios
- Accepted Tolerance / Freedom Boundaries
- Predictable Outcomes
- Influence of Critical Elements on process output
- Process resources utilization ‘What If’s Scenarios
- Process elements capability
- Quantitative definition of process ingredients



System Compliances' KPI's

- Scalability
- Availability
- Reliability
- Serviceability
- Maintainability
- Supportability
- Stability
- Reusability
- Soundness of Technology Future
- Technology flexibility
- Capacity growth models
- System (size) growth models
- Time to Restore
- Down time
- MTBF
- Support calls causes and density
- Technology extendibility



Detailed Examples and Elaborations



[Link to Model Map \(Excel\)](#)



Link to Model BOK (Word)







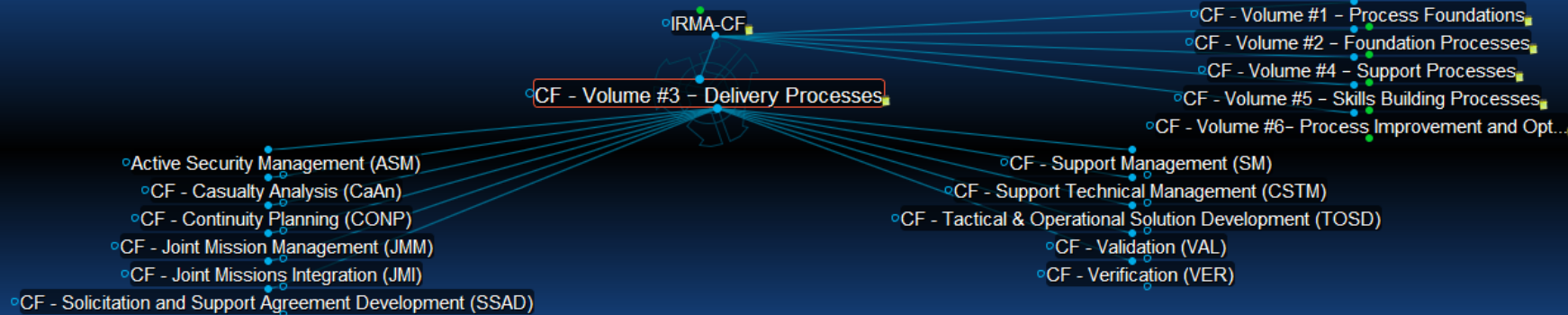
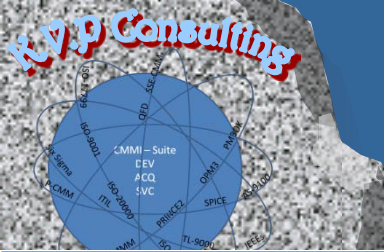
Link to Model Scoping (Excel)



Link to Model Checklist Chart (Visio)

Elaborations

-  Link to Model Map (Excel)
-  Link to Model BOK (Word)
-  Link to Model Scoping (Excel)
-  Link to Model Checklist Chart (V)



Search

CF - Volume #2 - ... CF - Volume #6- Process Improvement and Opt... IRMA-CF CF - Volume #1 - Process Foundations CF - Volume #3 - Delivery Processes

Notes

File Edit View Insert Format Tools Table

David 14pt B I U

Volume #3 – Delivery Processes - this collection of processes and practices address the requirements to develop and maintain (cradle to grave) appropriate working and development skills and capabilities including work environment (tools)

Thought Tags Details Search Reports Calendar

CF - Volume #3 – Delivery Processes Private

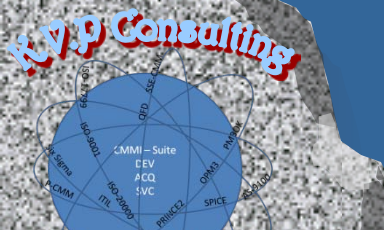
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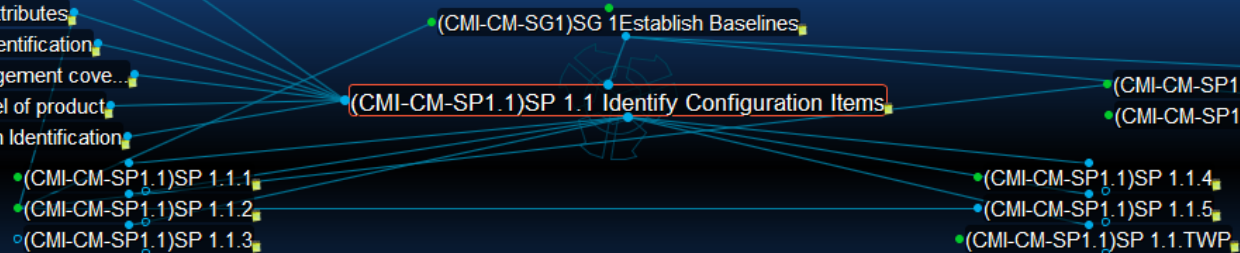
Add Attachment

Name	Size	Type	Modified	Location
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Desktop Libraries Kobi Vider Computer EN 00:53



- (ITIL-SS-7.3.2) Configuration identification and CIs
- (ITIL-SS-7.6.2) Configuration identification
- (ITIL-SS-7C) Suggested CI attributes
- (PRNC-19.4.2) Configuration identification
- (PRNC-19.5.1) Configuration management coverage
- (PRNC-19.5.2) Choosing the level of product
- (SBOK-7.2) Software Configuration Identification



Search (CMI-ML2) Maturity Level 2 - M... (CMI-CM) Configuration Management (CMI-CM-SG1) SG 1 Establish Baselines (CMI-CM-SP1.1) SP 1.1 Identify Configuration Items

Notes

File Edit View Insert Format Tools Table

Arial 10pt B I U

Identify the configuration items, components, and related work products that will be placed under configuration management. [PA159:IG101.SP101]

Configuration identification is the selection, creation, and specification of the following: [PA159:IG101.SP101.N101]

- Products that are delivered to the customer
- Designated internal work products
- Acquired products
- Tools

Other items that are used in creating and describing these work products

Thought Tags Details Search Reports Calendar

(CMI-CM-SP1.1) SP 1.1 Identify Configuration Items Private

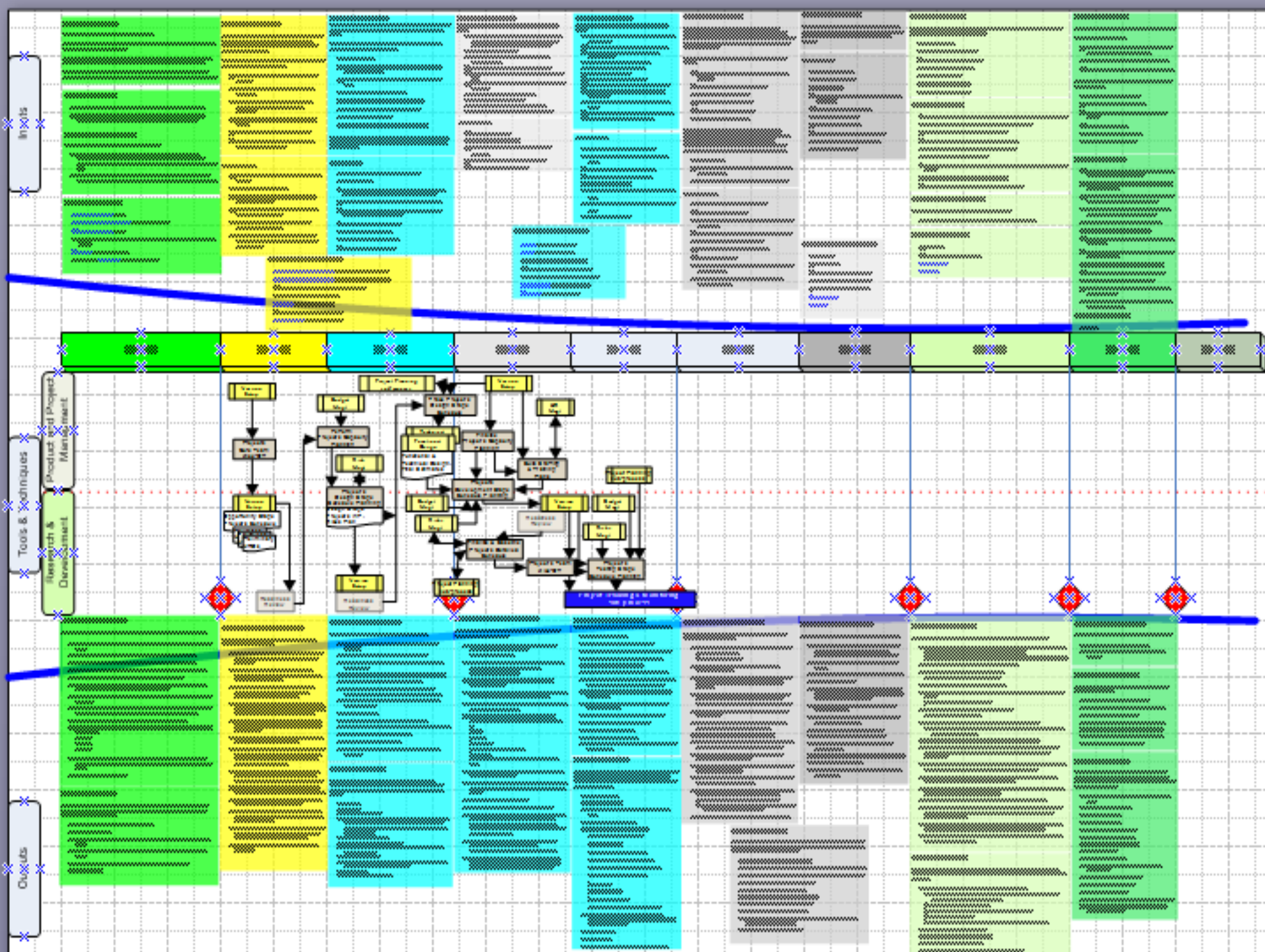
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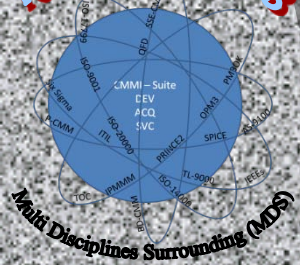
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Name	Size	Type	Modified	Location
notes.rtf	8.9 KB	rtf	16-Jul-2005 22:08	Internal

Full Name	Central Groups															New Functional Groups					
	QA	IS	TW	PM/Reliability	HR	PMO	DEV	PS	R&D	SA	DR	ALM	CM	IT	QA/PS	PM/Reliability	HR	PMO			
Concept Analysis and Resolution	2	2					1	1	1	1	1					3			12	1	
Configuration Management																			3	1	
Decision Analysis and Resolution	2	2		3		1	2												18	1	
Integrated Project Management	1	1		3		2	2		2										14	2	
Integrated Project Management - IPPD																			8	8	
Measurement and Analysis	1	2					1	1	1	1	1					3			11	1	
Organizational Innovation and Deployment																			8	8	
Organizational Process Definition													3						5	2	
Organizational Process Definition - IPPD																			8	8	
Organizational Process Focus															3				5	2	
Organizational Process Performance																3			3	1	
Organizational Training																			8	8	
Product Integration							3					3							5	2	
Project Monitoring and Control				3															3	1	
Project Planning	3			3															5	2	
Process and Product Quality Assurance															3				3	1	
Qualitative Project Management	3															3			5	2	
Requirements Development							3		3	3									3	3	
Requirements Management							3		3	3									3	3	
Risk Management				3															3	1	
Supplier Agreement Management																			8	8	
Technical Solution							3					3	3						3	3	
Validation	3																		3	1	
Verification	3						3												5	2	
Capacity and Availability Management														3					3	1	
Incident Resolution and Prevention		3																	3	1	
Service Continuity		3												3					5	2	
Service Delivery		3																	3	1	
Service System Development		3																	3	1	
Service System Transition		3																	3	1	
Strategic Service Management		3																	3	1	
GP 2.1 Establish an Organizational Policy	3																		3		
GP 2.2 Plan the Process																			8		
GP 2.3 Provide Resources																			8		
GP 2.4 Assign Responsibility																			8		
GP 2.5 Train People	3																		3		
GP 2.6 Manage Configurations																			8		
GP 2.7 Identify and Involve Relevant Stakeholders																			8		
GP 2.8 Monitor and Control the Process																			8		
GP 2.9 Objectively Evaluate Adherence																			8		
GP 2.10 Review Status with Higher Level Management																			8		
GP 3.1 Establish a Defined Process	3																		3		
GP 3.2 Collect Improvement Information	3																		3		
GP 4.1 Establish Quantitative Objectives for the Process																			8		
GP 4.2 Stabilize Subprocess Performance	3																		3		
GP 5.1 Ensure Continuous Process Improvement																			8		
GP 5.2 Control Root Causes of Problems	3																		3		
CLS	16	25	8	15	8	3	24	2	18	8	5	3	3	5	5	12	3				
CL4	13	25	8	15	8	3	24	2	18	8	5	3	3	5	5	12	3				
CL3	18	25	8	15	8	3	24	2	18	8	5	3	3	5	5	12	3				
CL2	24	25	8	15	8	3	24	2	18	8	5	3	3	5	5	12	3				





Risk Evaluation Checklist

Business Continuity Plan (BCP)

Complete Audit Checklist

No	Procedures	Status	Notes
1	Determine examination scope and objectives for reviewing the Business Continuity Plan (BCP) program.		
2	Determine the existence of an appropriate enterprisewide Business Continuity Plan (BCP).		
3	Determine the quality of Business Continuity Plan (BCP) oversight and support provided by the board of directors and senior management.		
4	Determine whether an adequate Business Impact Analysis (BIA) and risk assessment have been completed.		
5	Determine whether appropriate risk management over the Business Continuity Plan (BCP) process is in place.		
6	Determine whether the Business Continuity Plan (BCP) include appropriate testing to ensure the business process will be maintained, resumed, and/or recovered as intended.		
7	Determine whether the IT environment has a properly documented Business Continuity plan that complements the enterprise-wide and other departmental Business Continuity plans.		
8	Determine whether the Business Continuity Plan (BCP) include appropriate hardware backup and recovery.		
9	Determine whether the Business Continuity process includes appropriate data and application software backup and recovery.		
10	Determine whether the Business Continuity Plan (BCP) include appropriate preparation to ensure the data center recovery processes will work as intended.		
11	Determine whether the Business Continuity Plan (BCP) include appropriate security procedures.		
12	Determine whether the Business Continuity Plan (BCP) address critical outsourced activities.		
13	Discuss corrective action and communicate		

Data Recovery Templates and Checklist

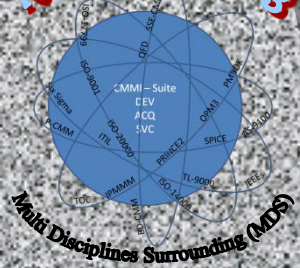
Conducting a recovery test

N o	Activity	Status			Notes
		Y	N	N/A	
1	Select the purpose of the test. What aspects of the plan are being evaluated?				
2	Describe the objectives of the test. How will you measure successful achievement of the objectives?				
3	Meet with management and explain the test and objectives. Gain their agreement and support.				
4	Have management announce the test and the expected completion time.				
5	Collect test results at the end of the test period.				
6	Evaluate results. Was recovery successful? Why or why not?				
7	Determine the implications of the test results. Does successful recovery in a simple case imply successful recovery for all critical jobs in the tolerable outage period?				
8	Make recommendations for changes. Call for responses by a given				
9	Notify other areas of results. Include users and auditors.				
10	Change the disaster recovery plan manual as necessary.				

Areas to be tested

N o	Activity	Status			Notes
		Y	N	N/A	
1	Recovery of individual application systems by using files and documentation stored off-site.				
2	Reloading of system tapes and performing an IPL by using files and documentation stored off-site.				
3	Ability to process on a different computer.				
4	Ability of management to determine priority of systems with limited processing.				
5	Ability to recover and process successfully without key people.				
6	Ability of the plan to clarify areas of responsibility and the chain of command.				





BCP TOC

Business Continuity Planning Components

Getting Started

Section 1

1. Assign departmental business continuity responsibilities.
2. Department mission and business functions/processes.
3. Identification and evaluation of scenarios, risks, events and threats.

Developing the Plan

Section 2

4. Document recovery plans to recover critical functions for each scenario.
5. Determine details to complete tasks.
6. List contact information.
7. List necessary resources and reference materials.

Maintaining the Plan

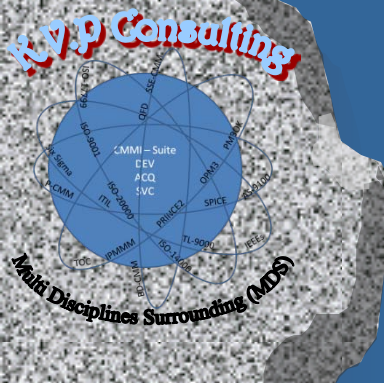
Section 3

8. Train personnel on the plan.
9. Test (validate) the plan.
10. Maintain the plan.

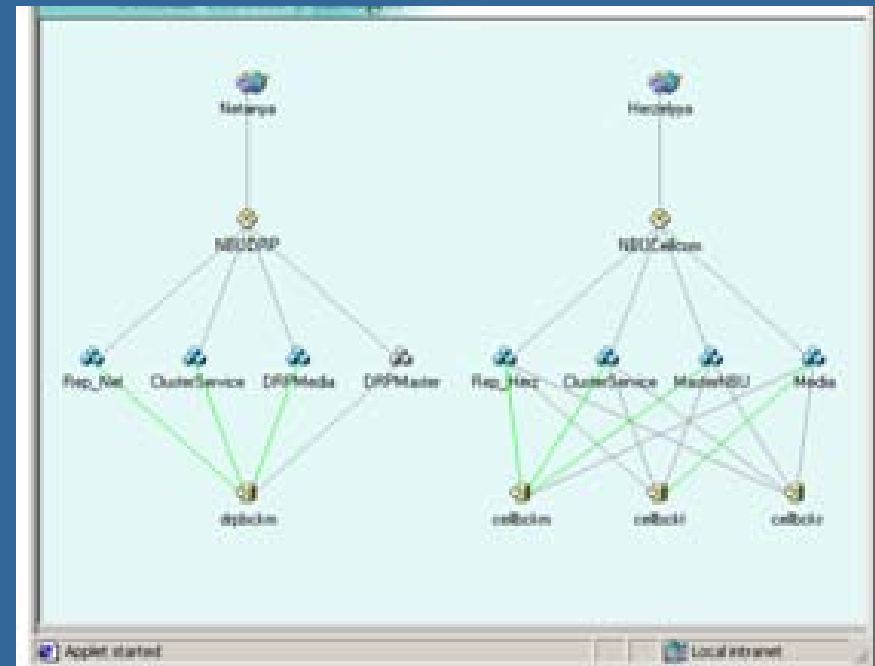
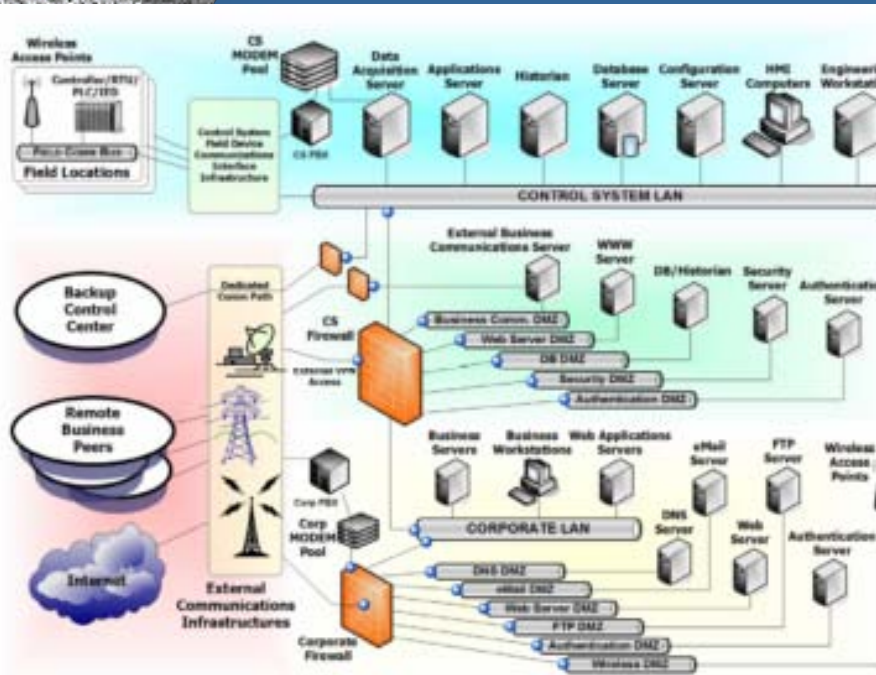


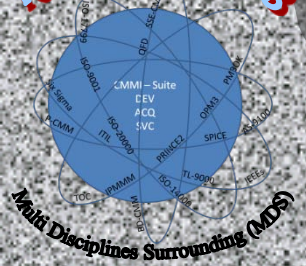
Decision Tree Template

A	B	C	D	E	F	G	H	I	J	K	L	M	N
Project Name:													
Prepared by:													
Date:													
Decision Definition			Decision Node			Chance Node			Expected Value			Value of Decision	
(Decision Name)			(Cost of the Decision)			(Probability and Payoff)			(Probability X Payoff)				

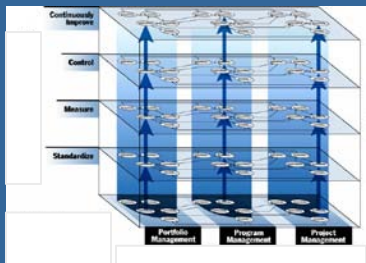


Infrastructures and Application Mapping





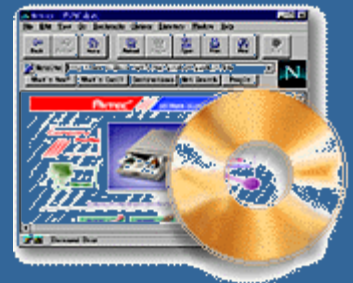
Compliance Requirements to Supporting Standards Mapping



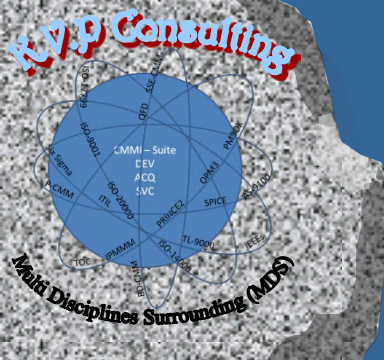
Scoping

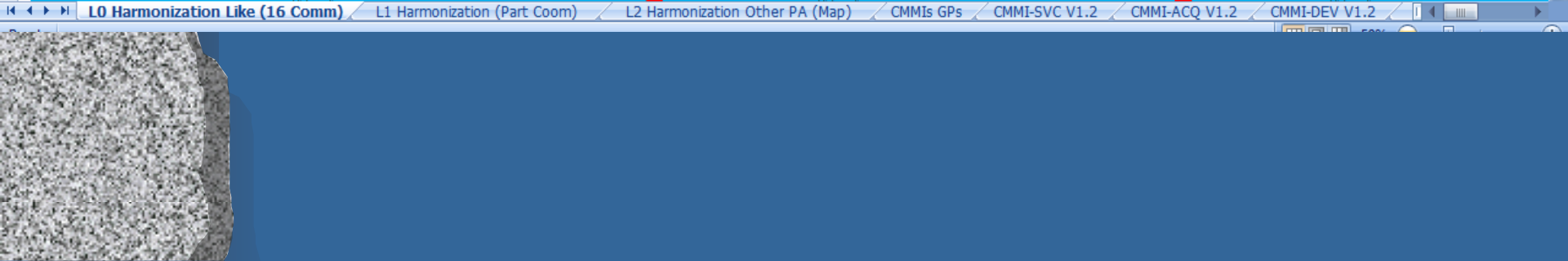


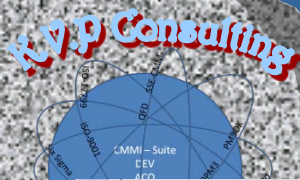
Tool



Slides

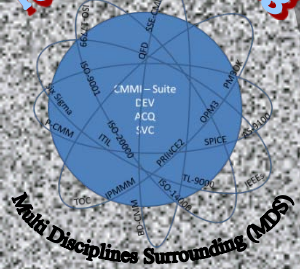
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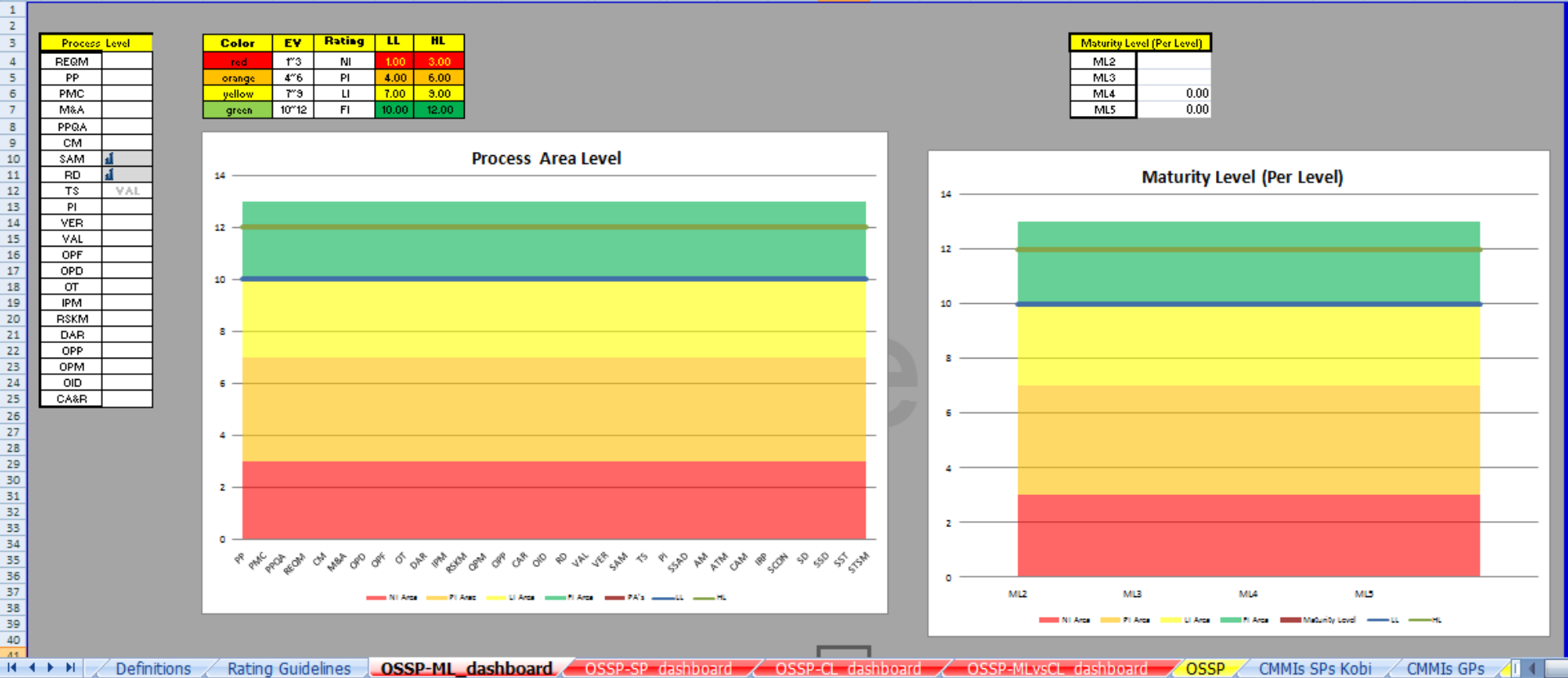


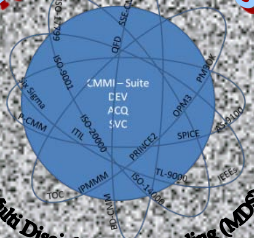
		To Index				OSSP	PIIDs	Affirmations	Total	
Chapter	Section	Requirements								
General Requirements						0	0	0	0	
4.1	Develop Your Quality Management System (QMS)					0	0	0	0	
4.1.1	Establish your organization's QMS.					0.00	0.00	0.00	0.00	
4.1.2	Document your organization's QMS.					0.00	0.00	0.00	0.00	
4.1.3	Implement your organization's QMS.					0.00	0.00	0.00	0.00	
4.1.4	Maintain your organization's QMS.					0.00	0.00	0.00	0.00	
4.1.5	Improve your organization's QMS.					0.00	0.00	0.00	0.00	
4.2	Document Your Quality Management System (QMS)					0	0	0	0	
4.2.1	Manage Quality Management System Documents					0	0	0	0	
4.2.1.1	Develop documents for your organization's QMS.					0.00	0.00	0.00	0.00	
4.2.1.2	Make sure that your organization's QMS documents respect and reflect what you do and how you do it.					0.00	0.00	0.00	0.00	
4.2.2	Prepare Quality Management System Manual					0	0	0	0	
4.2.2.1	Establish a quality manual for your organization.					0.00	0.00	0.00	0.00	
4.2.2.2	Maintain your organization's quality manual.					0.00	0.00	0.00	0.00	
4.2.3	Control Quality Management System Documents					0	0	0	0	
4.2.3.1	Control your organization's QMS documents.					0.00	0.00	0.00	0.00	
4.2.3.2	Control documents that are used as QMS records.					0.00	0.00	0.00	0.00	
4.2.4	Establish Quality Management System Records					0	0	0	0	

	CMMIs SPs Kobi	CMMIs GPs	ISO 9001 2008	ISO 9001 Sum	OHSAS 18001 2007	OHSAS 18001 2007 Sum	ISO9000-3	ISO9000-3 Sum	ISO TEC 27
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A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA AB AC AD AE





Questions