# AEROSPACE AND DEFENSE PROCESS CLASSIFICATION FRAMEWORK<sup>SM</sup>

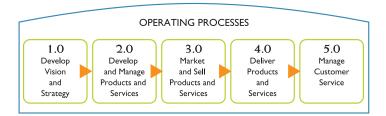
## THE AEROSPACE AND DEFENSE PROCESS CLASSIFICATION FRAMEWORK

Based on the renowned Process Classification Framework<sup>SM</sup> (PCF), a taxonomy of cross-functional business processes intended to allow objective comparison of performance within and among organizations, and the support of IBM, this industry PCF enables more industry applicable content by outlining and defining processes and activities specific to the Aerospace and Defense industry. This allows organizations to choose the framework most relevant to the specific process improvement need, whether it be benchmarking within or across industries, business process management/re-engineering, or content management. The cross-industry PCF and industry PCFs are available on the APQC website at no charge. IBM provided the subject matter expertise and intellectual property to create the industry specific business process classification frameworks, as part of the IBM's continuing leadership in the promotion of open standards to help organizations evaluate and measure business processes at an industry level.

## THE FRAMEWORK FOR PROCESS IMPROVEMENT

Experience shows that the potential of benchmarking to drive dramatic improvement lies squarely in making out-of-the-box comparisons and searching for insights not typically found within intra-industry paradigms. To enable this beneficial benchmarking, the APQC Process Classification Framework<sup>SM</sup> (PCF) serves as a high-level, industry-neutral enterprise process model that allows organizations to see their business processes from a cross-industry viewpoint.

The cross-industry framework has experienced more than 15 years of creative use by thousands of organizations worldwide. The PCF provides the foundation for APQC's Open Standards Benchmarking<sup>SM</sup> database of performance metrics, the largest of its kind in the world. The PCF will continue to be enhanced as the database further develops definitions, processes, and measures. The PCF, associated measures, and definitions are available for download at no charge at <a href="https://www.apqc.org/osb">www.apqc.org/osb</a>. An online benchmarking portal for individual assessments is also available.





### **HISTORY**

The cross-industry Process Classification Framework was originally envisioned as a taxonomy of business processes and a common language through which APQC member organizations could benchmark their processes. The initial design involved APQC and more than 80 organizations with strong interest in advancing the use of benchmarking in the United States and worldwide. Since its inception in 1992, the PCF has seen updates to most of its content. These updates keep the framework current with the ways that organizations do business around the world. In 2008, APQC and IBM worked together to enhance the cross-industry PCF and to develop a number of industry-specific process classification frameworks.





## PROCESS CLASSIFICATION FRAMEWORK

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### LOOKING FORWARD

The cross industry and industry Process Classification Frameworks are evolving models, which APQC will continue to enhance and improve regularly. Thus, APQC encourages comments, suggestions, and more importantly, the sharing of insights from having applied the PCF within your organization. Share your suggestions and experiences with the PCF by e-mailing pcf\_feedback@apqc.org.

## **ABOUT APOC**

An internationally recognized resource for process and performance improvement, APQC helps organizations adapt to rapidly changing environments, build new and better ways to work, and succeed in a competitive marketplace. With a focus on productivity, knowledge management, benchmarking, and quality improvement initiatives, APQC works with its member organizations to identify best practices; discover effective methods of improvement; broadly disseminate findings; and connect individuals with one another and the knowledge, training, and tools they need to succeed. Founded in 1977, APQC is a member-based nonprofit serving organizations around the world in all sectors of business, education, and government. APQC is also a proud winner of the 2003 and 2004 North American Most Admired Knowledge Enterprises (MAKE) awards. This award is based on a study by Teleos, a European based research firm, and the KNOW network.

The PCF is written in United States English language format.

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### **ABOUT IBM**

IBM works with its clients to develop new business designs and technical architectures that allow their businesses the flexibility required to compete in a global business landscape. The business is also adjusting its footprint toward emerging geographies, tapping into IBM's double-digit growth, providing the technology infrastructure they need, and taking advantage of the talent pools provided to better service IBM's clients. IBM's major operations comprise a Global Technology Services segment; a Global Business Services segment; a Systems and Technology segment; a Software segment; and a Global Financing segment. For more information, visit: www.ibm.com/soa

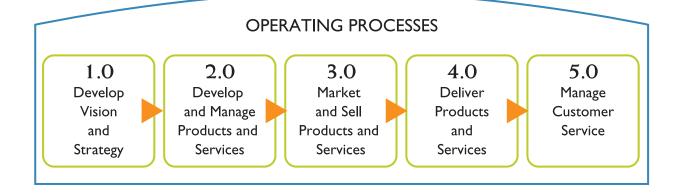
## THE AEROSPACE AND DEFENSE PROCESS CLASSIFICATION FRAMEWORK<sup>SM</sup>

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### UNDERSTANDING THE NUMBERING SCHEME

Beginning with Version 5.0.0, the PCF uses a numbering scheme that differs from previous versions. The cross-industry framework and the industry-specific frameworks collectively form a library of process



MANAGEN	MENT AND SUPPORT PROCESSES
6.0	Develop and Manage Human Capital
7.0	Manage Information Technology
8.0	Manage Financial Resources
9.0	Acquire, Construct, and Manage Property
10.0	Manage Environmental Health and Safety (EHS)
11.0	Manage External Relationships
12.0	Manage Knowledge, Improvement, and Change

elements used in APQC's Open Standards Benchmarking database. Each process element is referred to by two numbers: a number used to locate the content within that particular framework (in the format 1.2.3.4) and a serial number used to uniquely identify the process element across all of the various Open Standards Benchmarking frameworks (beginning with 10000).

For example, the process element "1.2 Develop business strategy (10015)" is uniquely identified by the serial number "10015" and the hierarchical reference number "1.2." In industry-specific PCFs, any process element identified as "10015" will have the same scope and definition as a process element of the same number elsewhere, but may be labeled differently.

## INTERPRETING THE PCF

 $\begin{tabular}{ll} \textbf{Category:} The highest level within the PCF is indicated by whole numbers (e.g., 8.0 and 9.0) \end{tabular}$ 

**Process** Group: Items with one decimal numbering (e.g., 8.1 and 9.1) are considered a process group.

**Process:** Items with two decimal numberings (e.g., 8.1.1 and 9.1.2) are considered processes.

**Activity**: Items with three decimal numbering (e.g. 8.3.1.1 and 9.1.1.1) are considered activities within a process.

The Aerospace and Defense PCF is based on the cross-industry PCF Version 5.0.0 released in April 2008.

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## 1.0 Develop Vision and Strategy (10002)

## 1.1 Define the business concept and long-term vision (10014)

- 1.1.1 Assess the external environment (10017)
  - 1.1.1.1 Analyze and evaluate competition (10021)
  - 1.1.1.2 Identify economic trends (10022)
  - 1.1.1.3 Identify political and regulatory issues (10023)
  - 1.1.1.4 Assess new technology innovations (10024)
  - 1.1.1.5 Analyze demographics (10025)
  - 1.1.1.6 Identify social and cultural changes (10026)
  - 1.1.1.7 Identify ecological concerns (10027)
- 1.1.2 Survey market and determine customer needs and wants (10018)
  - 1.1.2.1 Conduct qualitative/quantitative assessments (10028)
  - 1.1.2.2 Capture and assess customer needs (10029)
- 1.1.3 Perform internal analysis (10019)
  - 1.1.3.1 Analyze organizational characteristics (10030)
  - 1.1.3.2 Create baselines for current processes (10031)
  - 1.1.3.3 Analyze systems and technology (10032)
  - 1.1.3.4 Analyze financial positions (10033)
  - 1.1.3.5 Identify enterprise core competencies (10034)
- 1.1.4 Establish strategic vision (10020)
  - 1.1.4.1 Align stakeholders around strategic vision (10035)
  - 1.1.4.2 Communicate strategic vision to stakeholders (10036)

## 1.2 Develop business strategy (10015)

- 1.2.1 Develop overall mission statement (10037)
  - 1.2.1.1 Define current business (10044)
  - 1.2.1.2 Formulate mission (10045)
  - 1.2.1.3 Communicate mission (10046)
- 1.2.2 Evaluate strategic options to achieve the objectives (10038)
  - 1.2.2.1 Define strategic options (10047)
  - 1.2.2.2 Assess and analyze impact of each option (10048)

- 1.2.3 Select long-term business strategy (10039)
- 1.2.4 Coordinate and align functional and process strategies (10040)
- 1.2.5 Create organizational design (structure, governance, reporting, etc.) (10041)
  - 1.2.5.1 Evaluate breadth and depth of organizational structure (10049)
  - 1.2.5.2 Perform job specific roles mapping and valueadd analyses (10050)
  - 1.2.5.3 Develop role activity diagrams to assess handoff activity (10051)
  - 1.2.5.4 Perform organization redesign workshops (10052)
  - 1.2.5.5 Design the relationships between organizational units (10053)
  - 1.2.5.6 Develop role analysis and activity diagrams for key processes (10054)
  - 1.2.5.7 Assess organizational implication of feasible alternatives (10055)
  - 1.2.5.8 Migrate to new organization (10056)
- 1.2.6 Develop and set organizational goals (10042)
- 1.2.7 Formulate business unit strategies (10043)

## 1.3 Manage strategic initiatives (10016)

- 1.3.1 Develop strategic initiatives (10057)
- 1.3.2 Evaluate strategic initiatives (10058)
- 1.3.3 Select strategic initiatives (10059)
- 1.3.4 Establish high-level measures (10060)

## 2.0 Develop and Manage Products and Services (10003)

2.1	Mana	ge produc	et and service portfolio (10061)		2.2.2.2	Manage effectiveness of ECN (11710)
	2.1.1		performance of existing products/services		2.2.2.3	Maintain product/process data (11715)
		U	narket opportunities (10063)		2.2.2.4	Manage transfers of product data (11716)
	2.1.2		roduct/service development requirements	2.2.3		and implement manufacturing/services
		(10064)	Identification of the Committee of the C		<b>(11717)</b> 2.2.3.1	Determine process requirements and
		2.1.2.1	Identify potential improvements to existing products and services (10068)		2.2.3.1	specifications (11718)
		2.1.2.2	Identify potential new products and services		2.2.3.2	Plan process development (11719)
		2.1.2.2	(10069)		2.2.3.3	Conduct, monitor and manage engineering
	2.1.3	Perform	discovery research (10065)			efforts (11720)
		2.1.3.1	Identify new technologies (10070)		2.2.3.4	Determine procurement requirements (11721)
		2.1.3.2	Develop new technologies (10071)		2.2.3.5	Determine manufacturing/tooling requirements (11722)
		2.1.3.3	Assess feasibility of integrating new leading technologies into product/service concepts		2.2.3.6	Determine quality/inspection requirements
			(10072)			(11723)
	2.1.4	Confirm	alignment of product/service concepts with		2.2.3.7	Determine service/maintenance requirements
	2.1.7		s strategy (10066)		0000	(11724)
		2.1.4.1	Plan and develop cost and quality targets		2.2.3.8 2.2.3.9	Finalize process design (11725) Refine cost model with process cost data
			(10073)		2.2.3.3	(11726)
		2.1.4.2	Prioritize and select new product/service		2.2.3.10	Plan for product launch (11727)
		2.1.4.3	concepts (10074) Specify development timing targets (10075)		2.2.3.11	Gain approval for product launch (11728)
		2.1.4.4	Plan for product/service offering modifications		2.2.3.12	Conduct and monitor product launch (11729)
			(10076)	2.2.4		oduct resource requirements (11730)
	2.1.5		product and service life cycle (10067)		2.2.4.1 2.2.4.2	Coordinate capital asset plan impact (11731) Coordinate facilities plan impact (11732)
		2.1.5.1	Introduce new products/services (10077)		2.2.4.3	Coordinate strategic sourcing impact (11733)
		2.1.5.2	Retire outdated products/services (10078)		2.2.4.4	Coordinate integrated capacity plan impact
		2.1.5.3	Identify and refine performance indicators (10079)			(11734)
					2.2.4.5	Coordinate manufacturing schedule impact
2.2			cts and services (10062)		2.2.4.6	(11735) Coordinate human resources plan impact
	2.2.1	Design, 1 (10080)	build, and evaluate products and services		2.2.4.0	(11736)
		2.2.1.1	Assign resources to product/service project		2.2.4.7	Coordinate impact on sales forecast (11738)
			(10083)		2.2.4.8	Coordinate impact on financial plan (11739)
		2.2.1.2	Prepare high-level business case and technical	2.2.5		rket for new or revised products and
		0.04.0	assessment (10084)		services	
		2.2.1.3	Develop product/service design specifications (10085)		2.2.5.1 2.2.5.2	Prepare detailed market study (10093) Conduct customer tests and interviews (10094)
		2.2.1.4	Document design specifications (10086)		2.2.5.3	Finalize product/service characteristics and
		2.2.1.5	Conduct mandatory and elective external			business cases (10095)
			reviews (legal, regulatory, standards, internal)		2.2.5.4	Finalize technical requirements (10096)
		0.04.0	(10087)		2.2.5.5	Identify requirements for changes to
		2.2.1.6 2.2.1.7	Build prototypes (10088) Eliminate quality and reliability problems	226	Dranara	manufacturing/delivery processes (10097)
		۷.۷.۱./	(10089)	2.2.6	2.2.6.1	for production (10082)  Develop and test prototype production and/or
		2.2.1.8	Conduct in-house product/service testing and		2.2.0.1	service delivery process (10098)
			evaluate feasibility (10090)		2.2.6.2	Design and obtain necessary materials and
		2.2.1.9	Identify design/development performance			equipment (10099)
		2 2 1 10	indicators (10091)		2.2.6.3	Install and validate production process or
		2.2.1.10	Conduct, monitor and manage engineering efforts (11702)	2 2 7	N/10in+=:	methodology (10100)
	2.2.2	Manage	configuration (11703)	2.2.7	2.2.7.1	n product/process data (11740) Manage materials master lists (11741)
		2.2.2.1	Manage engineering change notices (ECNs)		2.2.7.1	Manage bills of material (11742)
			(11704)		2.2.7.3	Manage routings (11743)

2.2.7.4	Manage specifications (11744)	2.2.8	Manage	transfers of product data (11751)
2.2.7.5	Manage drawings (11745)		2.2.8.1	Review and approve requests for data transfer
2.2.7.6	Manage product/material classification			(11752)
	(11746)		2.2.8.2	Collect data from internal sources (11753)
2.2.7.7	Develop and maintain quality/inspection		2.2.8.3	Initiate transfer/request for transfer (11754)
	documents (11747)		2.2.8.4	Confirm receipt/transmission of data (11755)
2.2.7.8	Maintain process specification data (11748)		2.2.8.5	Estimate demand by program, contract and
2.2.7.9	Manage traceability data (11749)			customer (11765)
2.2.7.10	Review and approve data access requests			
	(11750)			

## 3.0 Market and Sell Products and Services (10004)

31	Unde	rstand ma	rkets, customers and capabilities (10101)			3.2.4.3	Evaluate pricing performance (10165)
0.1	3.1.1		customer and market intelligence analysis			3.2.4.4	Refine pricing as needed (10166)
	J. I . I	(10106)			3.2.5	Develop and manage promotional activities (10152)	
		3.1.1.1	Conduct customer and market research (10108)		0.2.0	3.2.5.1	Define promotional concepts (10167)
		3.1.1.2	Identify market segments (10109)			3.2.5.2	Plan and test promotional activities (10168)
		3.1.1.3	Analyze market and industry trends (10110)			3.2.5.3	Execute promotional activities (10169)
		3.1.1.4	Analyze competing organizations, competitive/ substitute products (10111)			3.2.5.4	Evaluate promotional performance metrics (10170)
		3.1.1.5	Evaluate existing products/brands (10112)			3.2.5.5	Refine promotional performance metrics
		3.1.1.6	Assess internal and external business			0.2.0.0	(10171)
			environment (10113)			3.2.5.6	Incorporate learning into future/planned
	3.1.2	Evaluate	e and prioritize market opportunities (10107)				consumer promotions (10172)
	•	3.1.2.1	Quantify market opportunities (10116)		3.2.6	Track c	ustomer management measures (10153)
		3.1.2.2	Determine target segments (10117)			3.2.6.1	Determine customer loyalty/lifetime value
		3.1.2.3	Prioritize opportunities consistent with				(10173)
			capabilities and overall business strategy			3.2.6.2	Analyze customer revenue trend (10174)
			(10118)			3.2.6.3	Analyze customer attrition and retention rates
		3.1.2.4	Validate opportunities (10119)				(10175)
3.2		-	anage marketing plans (10104)			3.2.6.4	Analyze customer metrics (i.e., customer attrition and retention rates) (10176)
	3.2.1		h goals, objectives and metrics for products nels/segments (10148)			3.2.6.5	Revise customer strategies, objectives and plans based on metrics (10177)
	3.2.2	Establis	h marketing budgets (10149)		3.2.7	Develor	and manage packaging strategy (10154)
		3.2.2.1	Confirm marketing alignment to business		0	3.2.7.1	Plan packaging strategy (10178)
			strategy (10155)			3.2.7.2	Test packaging options (10179)
		3.2.2.2	Determine costs of marketing (10156)			3.2.7.3	Execute packaging strategy (10180)
		3.2.2.3	Create marketing budget (10157)			3.2.7.4	Refine packaging (10181)
	3.2.3		and manage media (10150)	2.2	Dorfo	um busin	ess development (11757)
		3.2.3.1	Define media objectives (10158)	3.3			· · · · · · · · · · · · · · · · · · ·
		3.2.3.2	Develop marketing messages (10159)		3.3.1	3.3.1.1	o marketing strategy (11758)
		3.2.3.3	Define target audience (10160)			3.3.1.1	Identify and assess issues, trends in marketplace (11759)
		3.2.3.4	Engage media provider (10161)			3.3.1.2	Review commercial industry and government
		3.2.3.5	Develop and execute advertising (10162)			3.3.1.2	needs (11760)
		3.2.3.6	Develop and execute other marketing			3.3.1.3	Conduct marketing studies (11761)
		3.2.3.7	campaigns/programs (11253) Assess brand/product marketing plan			3.3.1.4	Develop enterprise sales forecasts (11762)
		3.2.3.7	performance (11254)		3.3.2		and plan tactical marketing (11763)
	224	Davalan	•		J.J.Z	3.3.2.1	Develop short term marketing forecast (11764)
	3.2.4	3.2.4.1	and manage pricing (10151)  Determine pricing based on volume/unit			3.3.2.2	Estimate demand by program, contract and
		J.L.4. I	forecast (10163)			0.0.2.2	customer (11765)
		3.2.4.2	Execute pricing plan (10164)				

		3.3.2.3	Forecast sales by program, contract and customer (11766)			3.4.1.5	Develop annual sales plan by product/market (11806)
		3.3.2.4	Identify customer requirements (11767)			3.4.1.6	Consolidate sales plan by segment/business
		3.3.2.5	Identify sales opportunities (11768)				unit/corporation (11807)
		3.3.2.6	Influence customer (11769)		3.4.2	Plan ope	erations (11808)
	3.3.3	Conduct	program development (11770)			3.4.2.1	Transfer sales plan to operations planning
		3.3.3.1	Segment feasible opportunities (11771)				(11809)
		3.3.3.2	Evaluate opportunities likelihood of developing			3.4.2.2	Perform capacity planning (11810)
			into Request For Proposal (RFP)/Request For			3.4.2.3	Perform logistics planning (11811)
			Quote (RFQ) (11772)			3.4.2.4	Perform inventory planning (11812)
		3.3.3.3	Match opportunities to business strategy			3.4.2.5	Perform maintenance planning (11813)
		0.004	(11773)			3.4.2.6	Perform sourcing planning (11814)
		3.3.3.4	Evaluate fit with corporate goals and business			3.4.2.7	Perform tooling planning (11815)
		3.3.3.5	strategy (11774)		3.4.3		ancials (11816)
		3.3.3.6	Identify external funding constraints (11775) Identify internal and external non-funding			3.4.3.1	Identify cost centers/profit centers/activities/
		3.3.3.0	constraints (11776)			0.400	rates (11817)
		3.3.3.7	Identify internal funding constraints (11777)			3.4.3.2	Create master data (11818)
		3.3.3.8	Develop program structure (11778)			3.4.3.3 3.4.3.4	Calculate direct costs (11819) Calculate indirect costs (11820)
	3.3.4		proposal development (11779)			3.4.3.5	Project revenues from sales plan (11821)
	3.3.4	3.3.4.1	Refine customer requirements (11780)			3.4.3.6	Prepare projected income statement by legal
		3.3.4.1	Receive Request For Proposal (RFP)/Request			3.4.3.0	entity (11822)
		0.0.7.2	For Quote (RFQ) (11781)			3.4.3.7	Prepare projected income statement by
		3.3.4.3	Review RFP/RFQ request (11782)			0.1.0.7	business unit/managers entity (11823)
		3.3.4.4	Perform competitive analysis (11783)			3.4.3.8	Prepare projected balance sheet by legal entity
		3.3.4.5	Verify match with strategic / tactical plans				(11824)
			(11784)			3.4.3.9	Prepare projected balance sheet by business
		3.3.4.6	Validate customer requirements (11785)				unit / managers entity (11825)
		3.3.4.7	Develop project structure (11786)			3.4.3.10	Prepare projected cash flow by business unit
		3.3.4.8	Identify staffing requirements (11787)				managers entity (11826)
		3.3.4.9	Develop pricing and scheduling estimates (11788)			3.4.3.11	Prepare projected cash flow by legal entity (11827)
		3.3.4.10	Conduct profitability analysis (11789)			3.4.3.12	Prepare consolidated income statement
		3.3.4.11	Submit bid (11790)				(11828)
		3.3.4.12	Review proposal and approval by submitter (11791)			3.4.3.13 3.4.3.14	Prepare consolidated balance sheet (11829) Prepare consolidated cash flow (11830)
		3.3.4.13	Receive notification (11793)		3.4.4	Plan qua	ality management (11831)
	3.3.5	_	business relationships (11794)			3.4.4.1	Plan quality program (11832)
		3.3.5.1	Identify strategic partnering opportunities			3.4.4.2	Identify quality performance measures (11833)
			(11795)			3.4.4.3	Identify benchmark standards (11834)
		3.3.5.2	Define roles and responsibilities of			3.4.4.4	Set quality standards (11835)
		0050	partnerships (11796)			3.4.4.5	Develop quality procedures, measures and
		3.3.5.3	Validate partnership plan with strategic			0.4.4.0	methods (11836)
		2254	marketing objectives (11797)			3.4.4.6	Set service level standards (11837)
		3.3.5.4	Support strategic business partnerships (11798)	3.5	Mana	ge contra	icts and programs (11838)
		3.3.5.5	Communicate partnership objectives (11799)		3.5.1	Determi	ne contract and program requirements
						(11839)	
3.4	Perfo	_	nted business planning (11800)			3.5.1.1	Identify contract type (11840)
	3.4.1		nand (11801)			3.5.1.2	Record contract data (11841)
		3.4.1.1	Review existing pipeline for existing and/or			3.5.1.3	Evaluate risks and assumptions (11842)
		0.4.1.5	backlog demand (11802)		3.5.2		d schedule program (11843)
		3.4.1.2	Review existing pipeline (11803)			3.5.2.1	Determine procurement (11844)
		3.4.1.3	Review government trends and check for			3.5.2.2	Refine order of magnitude estimate (11845)
		0 / 1 /	updates in policies (11804)			3.5.2.3	Identify and schedule production (11846)
		3.4.1.4	Project sales pipeline by product/market			3.5.2.4	Reevaluate risk and assumptions (11847)
			(11805)			3.5.2.5	Identify and schedule qualified suppliers (11848)

	3.5.2.6 3.5.2.7	Complete detailed production schedule (11849) Refine work breakdown structure (11850)			3.5.5.7	Return government property documents (11886)
	3.5.2.8	Develop network task (11851)			3.5.5.8	Revaluate return on investment (ROI) or earned
	3.5.2.9	Include program in budget (11852)				value analysis (EVA) reports (11887)
	3.5.2.10	Validate funding against corporate plan			3.5.5.9	Develop follow up action plan to obtain
	0.5.0.44	(11853)			0.5.5.40	program enhancements (11888)
	3.5.2.11	Obtain approval for funding (11854)			3.5.5.10	Post final rate adjustments and close (11889)
3.5.3		program (11855)	3.6	Devel	op and ma	anage sales plans (10105)
	3.5.3.1 3.5.3.2	Execute tasks (11856) Record program milestones (11857)		3.6.1	Generat	e leads (10182)
	3.5.3.3	Collect direct costs (11858)			3.6.1.1	Identify potential customers (10188)
	3.5.3.4	Collect indirect costs (11859)			3.6.1.2	Identify leads (10189)
	3.5.3.5	Collect revenues (11860)		3.6.2		customers and accounts (10183)
3.5.4	Control a	and manage contracts and program			3.6.2.1	Develop sales/key account plan (11173)
	performa	ance (11861)			3.6.2.2	Manage customer relationships (11174)
	3.5.4.1	Prepare subcontractor reports (11862)			3.6.2.3 3.6.2.4	Compare program actual vs. estimate (11890) Develop marketing plan (11891)
	3.5.4.2	Support financial reporting (11863)			3.6.2.5	Track sales performance (11892)
	3.5.4.3	Report Central Security Service (CSS)/SCS		3.6.3		sales results (11893)
	3.5.4.4	compliance (11864) Report earned value management system -		0.0.0	3.6.3.1	Compare actual sales to forecast (11894)
	3.3.4.4	EVMS (11865)			3.6.3.2	Revise marketing strategy (11895)
	3.5.4.5	Resolve EVMS issues (11866)		3.6.4	Manage	customer sales (10184)
	3.5.4.6	Report to management (11867)			3.6.4.1	Perform sales calls (10190)
	3.5.4.7	Maintain and conduct program status			3.6.4.2	Perform pre-sales activities (10191)
		meetings (11868)			3.6.4.3	Close the sale (10192)
	3.5.4.8	Perform quality reviews (11869)			3.6.4.4	Record outcome of sales process (10193)
	3.5.4.9 3.5.4.10	Perform financial/contract audit (11870) Report classified projects (11871)		3.6.5	•	sales orders (10185)
	3.5.4.11	Identify project changes (11872)			3.6.5.1 3.6.5.2	Accept and validate sales orders (10194) Collect and maintain customer account
	3.5.4.12	Identify options to resolve issues (11873)			J.U.J.Z	information (10195)
	3.5.4.13	Revise program plan to incorporate options			3.6.5.3	Determine stock availability (10196)
		(11874)			3.6.5.4	Determine logistics and transportation (10197)
	3.5.4.14	Transfer and borrow payback between			3.6.5.5	Enter orders into system and identify/perform
	0.5.4.45	contracts/programs (11875)				cross-sell/up-sell activity (10198)
	3.5.4.15	Submit for management review and approval			3.6.5.6	Process back orders and updates (10199)
	35/116	(11876) Submit for customer review (11877)			3.6.5.7	Handle order inquiries including post-order
		Receive approval, revise program as required		266	Managa	fulfillment transactions (10200)
	0.0.1.17	(11878)		3.6.6	3.6.6.1	sales force (10186)  Determine sales resource allocation (10209)
3.5.5	Perform	program close out (11879)			3.6.6.2	Establish sales force incentive plan (10210)
	3.5.5.1	Complete program commitments (11880)		3.6.7		sales partners and alliances (10187)
	3.5.5.2	Close commitments (11881)		0.0.7	3.6.7.1	Provide sales and product training to sales
	3.5.5.3	Review procurement documents to close				partners/alliances (10211)
	0.5.5.	(11882)			3.6.7.2	Develop sales forecast by partner/alliance
	3.5.5.4	Apply final allocation/overheads (11883)				(10212)
	3.5.5.5 3.5.5.6	Release funds (11884) Close program to all postings except rate			3.6.7.3	Agree on partner and alliance commissions
	0.0.0.0	adjustments (11885)			2674	(10213)  Evaluate portpor/alliance regults (10214)
		aajaaanonto (11000)			3.6.7.4	Evaluate partner/alliance results (10214)

## 4.0 Deliver Products and Services (10005)

1		or and ac ing) (1021	quire necessary resources (Supply Chain 5)			4.1.6.2	Establish inventory management constraints (10268)
	4.1.1	<b>Develop</b> 4.1.1.1	production and materials strategies (10221) Define manufacturing goals (10229)			4.1.6.3	Establish transportation management constraints (10269)
		4.1.1.2 4.1.1.3	Define labor and materials policies (10230) Define outsourcing policies (10231)		4.1.7	4.1.7.1	distribution planning policies (10227) Review distribution network (10264)
		4.1.1.4	Define manufacturing capital expense policies (10232)			4.1.7.2 4.1.7.3	Establish sourcing relationships (10265) Establish dynamic deployment policies (10266)
		4.1.1.5	Define capacities (10233)		4.1.8		distribution planning performance (10228)
		4.1.1.6	Define production network and supply constraints (10234)			4.1.8.1	Establish appropriate performance indicators (metrics) (10270)
	4.1.2	•	demand for products and services (10222)			4.1.8.2	Establish monitoring frequency (10271)
		4.1.2.1 4.1.2.2	Develop baseline forecasts (10235) Collaborate with customers (10236)			4.1.8.3 4.1.8.4	Calculate performance measures (10272)
		4.1.2.2	Develop consensus forecast (10237)			4.1.8.5	Identify performance trends (10273) Analyze performance benchmark gaps (10274)
		4.1.2.4	Allocate available to promise (10238)			4.1.8.6	Prepare appropriate reports (10275)
		4.1.2.5	Monitor activity against forecast and revise			4.1.8.7	Develop performance improvement plan
			forecast (10239)			7.1.0.7	(10276)
		4.1.2.6	Evaluate and revise forecasting approach		4.1.9	Develop	quality standards and procedures (10368)
			(10240)			4.1.9.1	Establish quality targets (10371)
		4.1.2.7	Measure forecast accuracy (10241)			4.1.9.2	Develop standard testing procedures (10372)
	4.1.3		naterials plan (10223)			4.1.9.3	Communicate quality specifications (10373)
		4.1.3.1	Create unconstrained plan (10242)	42	Procu	re materi	als and services (10216)
		4.1.3.2	Collaborate with supplier and contract	7.2	4.2.1		sourcing strategies (10277)
		4.1.3.3	manufacturers (10243) Identify critical materials and supplier capacity		7.2.1	4.2.1.1	Develop procurement plan (10281)
		4.1.3.3	(10244)			4.2.1.2	Clarify purchasing requirements (10282)
		4.1.3.4	Monitor material specifications (10245)			4.2.1.3	Develop inventory strategy (10283)
		4.1.3.5	Generate constrained plan (10246)			4.2.1.4	Match needs to supply capabilities (10284)
	4.1.4		and manage master production schedule			4.2.1.5	Analyze company's spend profile (10285)
		(10224)				4.2.1.6	Seek opportunities to improve efficiency and value (10286)
		4.1.4.1	Generate site level plan (10247)			4.2.1.7	Collaborate with suppliers to identify sourcing
		4.1.4.2 4.1.4.3	Manage work-in-progress inventory (10248) Collaborate with suppliers (10249)				opportunities (10287)
		4.1.4.3	Generate and execute site schedule (10250)		4.2.2	Define a	and manage procurement strategies (11923)
	4.1.5		tribution requirements (10225)			4.2.2.1	Define material management strategy (11924)
	4.1.3		Allocate available to promise (10251)			4.2.2.2	Develop material receipt strategy (11925)
		4.1.5.2	Maintain master data (10252)			4.2.2.3	Develop supplier payment strategy (11926)
		4.1.5.3	Determine finished goods inventory			4.2.2.4	Ensure alignment of procurement strategy with
			requirements at destination (10253)				enterprise wide business strategy (11927)
		4.1.5.4	Calculate requirements at destination (10254)			4.2.2.5	Conduct spend analysis and determine
		4.1.5.5	Calculate consolidation at source (10255)		400	0.1.	customer requirements (11928)
		4.1.5.6	Manage collaborative replenishment planning (10256)		4.2.3	(10278)	uppliers and develop/maintain contracts
		4.1.5.7	Manage requirements for partners (10257)			4.2.3.1	Select suppliers (10288)
		4.1.5.8	Calculate destination dispatch plan (10258)			4.2.3.2 4.2.3.3	Certify and validate suppliers (10289) Negotiate contracts (10290)
		4.1.5.9	Manage dispatch plan attainment (10259)			4.2.3.3	Manage contracts (10291)
		4.1.5.10 4.1.5.11	Calculate destination load plans (10260) Manage partner load plan (10261)		4.2.4		strategic sourcing (11931)
		4.1.5.11	Manage the cost of supply (10262)		4.2.4	4.2.4.1	Maintain material sourcing categories (11932)
		4.1.5.12	Manage capacity utilization (10263)			4.2.4.1	Conduct supplier evaluation (11933)
	4.1.6		n distribution planning constraints (10226)			4.2.4.3	Select suppliers and negotiate agreements
	т. 1.0	4.1.6.1	Establish distribution center layout constraints				(11934)
			(10267)			4.2.4.4	Develop sourcing implementation plans (11935)

		4.2.4.5	Maintain supplier information (11936)	4.3.6		ssembly and test (A&T) operations strategy
		4.2.4.6	Maintain supplier catalogs and price lists		(11952)	
			(11937)		4.3.6.1	Compile and update customer quality and
		4.2.4.7	Maintain supplier contracts (11938)			service requirements (11953)
		4.2.4.8	Define outside supplier /partner relationships		4.3.6.2	Compile and update internal A&T operational
			(11939)			capabilities (11954)
	4.2.5	Order m	aterials and services (10279)		4.3.6.3	Compile and update future market trends
		4.2.5.1	Process/Review requisitions (10292)			impacting A&T strategy (11955)
		4.2.5.2	Approve requisitions (10293)		4.3.6.4	Define product specific quality and service
		4.2.5.3	Solicit/Track vendor quotes (10294)			(11956)
		4.2.5.4	Create/Distribute purchase orders (10295)		4.3.6.5	Prepare capital appropriations requests
		4.2.5.5	Expedite orders and satisfy inquiries (10296)			(11957)
		4.2.5.6	Record receipt of goods (10297)		4.3.6.6	Define outside supplier partner terms and
		4.2.5.7	Research/Resolve exceptions (10298)			conditions (11958)
	4.2.6	Inspect	material quality (11946)		4.3.6.7	Disaggregate gross budget to appropriate
		4.2.6.1	Inspect goods/services (11947)			departments (11959)
		4.2.6.2	Return goods/services (11948)		4.3.6.8	Disseminate customer service and operations
	4.2.7	Appraise	e and develop suppliers (10280)			targets to the appropriate departmental
		4.2.7.1	Monitor/Manage supplier information (10299)		4000	organizations (11960)
		4.2.7.2	Prepare/Analyze procurement and vendor		4.3.6.9	Publish annual assembly and test operating
			performance (10300)		40010	budget and plan (11961)
		4.2.7.3	Support inventory and production processes		4.3.6.10	Define all safety and environmental policies
			(10301)		<b>-</b>	(11962)
		4.2.7.4	Monitor quality of product delivered (10302)	4.3.7		nanufacturing operations strategy (11963)
4.3	Dradu	oo/Monus	facture/Daliver product (10217)		4.3.7.1	Compile and update all manufacturing
4.3			facture/Deliver product (10217)			organization quality and service requirements
	4.3.1		e production (10303)		4.3.7.2	(11964) Compile and update internal manufacturing
		4.3.1.1 4.3.1.2	Generate line level plan (10306) Generate detailed schedule (10307)		4.3.7.2	operational capabilities (11965)
		4.3.1.2	Schedule production orders and create lots		4.3.7.3	Define product specific quality and service
			(10308)			(11966)
		4.3.1.4	Release production orders and release create		4.3.7.4	Define operational practice policies, measures
			lots (10309)			and performance targets that support goal
	4.3.2		product (10304)		4075	fulfillment (11967)
		4.3.2.1	Manage raw material inventory (10310)		4.3.7.5	Determine capabilities gaps and closure
		4.3.2.2	Execute detailed line schedule (10311)		407C	strategies (11968)
		4.3.2.3	Rerun defective items (10313)		4.3.7.6	Prepare capital appropriations (11969)
		4.3.2.4	Assess production performance (10314)	4.3.8		nanufacturing operations strategy (11970)
	4.3.3		e and perform maintenance (10305)		4.3.8.1	Disaggregate gross budget to appropriate
		4.3.3.1	Determine process for preventive (planned)		4000	departments (11971)
			maintenance (Preventive Maintenance Orders)		4.3.8.2	Disseminate customer service and operations
			(10315)			targets to the appropriate departmental
		4.3.3.2	Determine process for requested (unplanned)		4202	organizations (11972)
			maintenance (Work Order Cycle) (10316)		4.3.8.3	Publish annual assembly and test operating
		4.3.3.3	Execute maintenance (10317)			budget and plan (11973)
		4.3.3.4	Calibrate test equipment (10318)	4.3.9	•	duction operations (11974)
		4.3.3.5	Report maintenance issues (10319)		4.3.9.1	Compile and update all pertinent inputs from
	4.3.4		quality testing (10369)			business planning and strategy department
		4.3.4.1	Perform testing using the standard testing		4202	(11975)
			procedure (10374)		4.3.9.2	Develop intermediate range production and
		4.3.4.2	Record test results (10375)		4.3.9.3	inventory plans (11976)
	4.3.5		production records and manage lot		4.J.J.J	Develop options for next period sales and operations planning meeting (11977)
			lity (10370)		4.3.9.4	Conduct sales and operations planning (S&OP)
		4.3.5.1	Determine lot numbering system (10376)		ਜ.ਹ.ਹ.ਖ	periodic meeting and update final S&OP into
		4.3.5.2	Determine lot usage (10377)			detailed (11978)
					4.3.9.5	Determine final sourcing alternatives (11979)
						3 2 2 2 2 3 3 2 2 2 3 2 3 2 3 2 3 2 3 2

	4.3.9.6	Generate master schedules with tooling rough		4.3.11.15	Receive and review work instructions (12008)
		cut capacity planning and maintenance (11980)		4.3.11.16	Receive and review quality instructions
	4.3.9.7	Create production project with work		101117	(12009)
	4.3.9.8	breakdown structure (11981) Modify master plans and projects to		4.3.11.17	Receive and review production schedules (12010)
	4.0.0.0	accommodate logistics, maintenance and		4.3.11.18	Receive and review tooling pick lists and
		production tooling constraints (11982)			allocate (12011)
	4.3.9.9	Generate intermediate range material resource		4.3.11.19	Receive confirmations from plant maintenance
		planning, distribution resource planning,		401100	(12012)
		capacity requirements planning (MRP, DRP, CRP) (11983)		4.3.11.20	Allocate gauging and miscellaneous measurement devices (12013)
	4.3.9.10	Publish annual plans to sales procurement		4.3.11.21	Perform setup activities (12014)
		transportation and manufacturing operations			Confirm material availability (12015)
		(11984)	4.3.12		production operations (12016)
4.3.10		production equipment and facilities (11985)		4.3.12.1	Issue goods against purchase order (PO) or
	4.3.10.1 4.3.10.2	Manage equipment data (11986) Develop plant equipment preventative		4.3.12.2	batch (12017) Receive goods to purchase order (PO) or batch
	4.3.10.2	maintenance plans (11987)		4.3.12.2	(12018)
	4.3.10.3	Develop physical plant preventative		4.3.12.3	Refer material for manufacturing change
		maintenance and energy management plans			(12019)
	40404	(11988)		4.3.12.4	Quarantine material for quality hold/check
	4.3.10.4	Schedule facility and equipment preventative maintenance (11989)		4.3.12.5	(12020) Execute production activities (12021)
	4.3.10.5	Execute facility and equipment preventative		4.3.12.5	Perform in-line product inspections (12022)
		maintenance (11990)		4.3.12.7	Perform post production inspections (12023)
	4.3.10.6	Execute unplanned maintenance activities		4.3.12.8	Refer nonconforming material for disposition
	40407	(11991)		40400	(12024)
	4.3.10.7	Determine and identify corrective actions (11992)			Downgrade/upgrade material (12025)  Quarantaine nonconformance matériel (12026)
A 3 11	Schodule	e productions operations (11993)			Record production related data (12027)
7.0.11		Generate short range DRP, MRP, and CRP			Back flush inventory (12028)
		(11994)			Close batches or PO (12029)
	4.3.11.2	Conduct periodic meetings on short schedule			Consume demand forecast (12030)
		- operations, procurement, tooling and maintenance (11995)		4.3.12.13	Execute packaging and labeling activities (12031)
	4.3.11.3	Transfer final schedules to operating		4.3.12.16	Enter run schedule header (12032)
		departments (11996)		4.3.12.17	Reconcile and close run schedule header
	4.3.11.4	Perform ongoing net change MRP or DRP and		404040	(12033)
	40115	optimize (11997)		4.3.12.18	Record and track piece part serial numbers (12034)
	4.3.11.5	Perform full regeneration MRP or DRP and analyze (11998)		4.3.12.19	Record calibration data and measurement
	4.3.11.6	Create and release production orders/batches			device (12035)
		(11999)	4.3.13		product quality (12036)
		Create run schedule header (12000)		4.3.13.1	Update governmental and regulatory quality
	4.3.11.8	Manage ongoing schedule changes interactions with customers, suppliers,		4.3.13.2	requirements (12037) Benchmark industry quality capabilities
		production, tooling and maintenance (12001)		4.3.13.2	(12038)
	4.3.11.9	Develop contract pegging relationships (12002)		4.3.13.3	Compile and update the cost of quality (12039)
	4.3.11.10	Provide daily delivery schedules to external		4.3.13.4	Compile and update the costs of quality
	101111	suppliers (12003)		4 O 10 F	nonconformance (12040)
		Generate and print internal pick lists (12004) Generate and communicate delivery			Update quality targets and tolerances (12041) Develop quality sampling and analysis (12042)
	1.0.11.12	requirements to internal and external shipping		4.3.13.7	Allocate gauging and miscellaneous
		points (12005)			measurement devices against production
	4.3.11.13	Reschedule backlog orders and inbound		40455	orders/batchers (12043)
	/ Q 11 1/	shipments (12006) Receive electronic numeric control (NC) tapes		4.3.13.8	Develop training material for operators carrying out quality activities (12044)
	4.3.11.14	and load (12007)			carrying out quarity activities (12044)
		aa544 (1250)			

	4.3.13.9	Track and analyze non-conformance trends (12045)			4.3.15.8	Generate and communicate field analytical reports (12080)
	4 3 13 10	Perform root cause analysis (12046)			4.3.15.9	Communicate preemptive and predictive
		Perform product design / process improvement			1.0.10.0	feedback to operations to change practices or
		analysis (12047)				schedules (12081)
		Deploy product redesigns /process (12048)		4.3.16	Manage	product and process related date (12082)
		Perform internal quality audits (12049)			4.3.16.1	Create and maintain material masters, BOM,
		Perform external quality audits (12050) Perform statistical process control (SPC)			40100	routings and other production data (12083)
	4.3.13.13	analysis (12051)				Maintain product specifications (12084) Maintain product catalogs (12085)
	4.3.13.16	Perform six-sigma activities (12052)			4.3.16.4	Maintain product catalogs (12003)  Maintain operating instructions (operations
	4.3.13.17	Generate International Standards Organization				component) (12086)
	404040	(ISO) or similar documentation (12053)			4.3.16.5	Maintain process control parameter data
	4.3.13.18	Provide feedback to engineering and product				(12087)
	4 3 13 19	(12054) Adjust inventories/scrap - materials			4.3.16.6	Maintain product and process related documentation (12088)
	4.0.10.10	disposition (12055)				
	4.3.13.20	Manage reject / rework and on-hold materials	4.4	Delive		to customer (10218)
		(12056)		4.4.1		specific service requirements for individual
	4.3.13.21	Conduct claims related quality investigations			custome 4.4.1.1	r (10320) Process customer request (10324)
4014	Managa	(12057)			4.4.1.1	Create customer profile (10325)
4.3.14		production tooling operations (12058)  Receive high level tool design request from			4.4.1.3	Generate service order (10326)
	4.5.14.1	new product development process (new tools)		4.4.2	Identify a	and schedule resources to meet service
		(12059)				nents (10321)
	4.3.14.2	Receive request to modify or repair an existing			4.4.2.1	Create resourcing plan and schedule (10327)
	40140	tool from engineering or operations (12060)			4.4.2.2	Create service order fulfillment schedule (10328)
	4.3.14.3	Develop the cost estimate to buy or make the tools - with availability date (12061)			4.4.2.3	Develop service order (10329)
	4.3.14.4	Obtain approval to proceed or cancel work		4.4.3		the service to specific customers (10322)
		order (12062)		1. 1.0	4.4.3.1	Organize daily service order fulfillment
		Complete detailed design of final tool (12063)				schedule (10330)
	4.3.14.6	Generate a work order or purchase request			4.4.3.2	Dispatch resources (10331)
	4.3.14.7	(12064) Manufacture or receive final tools (12065)			4.4.3.3 4.4.3.4	Manage order fulfillment progress (10332) Validate order fulfillment block completion
	4.3.14.8	Allocate gauging /measurement devices to			4.4.3.4	(10333)
		production (12066)		4.4.4	Ensure o	uality of service (10323)
		Manage tool inventories (12067)			4.4.4.1	Identify completed orders for feedback (10334)
		Manage crib inventory (12068)			4.4.4.2	Identify incomplete orders and service failures
		Manage crib operations (12069) Perform fixed tool life cycle management			4.4.4.0	(10335)
	7.0.17.12	(12070)			4.4.4.3	Solicit customer feedback on services delivered (10336)
	4.3.14.13	Manage gauge and measurement device			4.4.4.4	Process customer feedback on services
		calibrations (12071)				delivered (10337)
4.3.15		nd report production operations (12072)		4.4.5	Manage	ongoing maintenance, repair and overhaul
	4.3.15.1	Record production operations information (12073)				contracts (12089)
	4.3.15.2	Capture and communicate work order batch			4.4.5.1	Manage customer master information (12090)
	1.0.10.2	status (12074)			4.4.5.2	Manage customer pricing and quotations (12091)
	4.3.15.3	Communicate all inventory status - real-time			4.4.5.3	Manage customer claims processing (12092)
	40454	(12075)			4.4.5.4	Facilitate customer complaints seminars
	4.3.15.4	Communicate human resource status (12076)				(12093)
	4.3.15.5 4.3.15.6	Communicate equipment status (12077) Communicate schedules - including downtime			4.4.5.5	Facilitate customer design reviews and
		and setup (12078)			4.4.5.6	Initiatives (12094) Identify product improvements (12095)
	4.3.15.7	Communicate maintenance activities and			4.4.5.7	Support proposal activities (12096)
		schedules (12079)			4.4.5.8	Provide cost/price data (12097)

	4.4.6		field-level support preparation (12098)		4.5.2.4	Manage flow of returned products (10352)
		4.4.6.1	Process customer request for service (12099)	4.5.3	Operate	warehousing (10340)
		4.4.6.2	Determine resource and material requirements		4.5.3.1	Track inventory deployment (10353)
			(12100)		4.5.3.2	Receive, inspect, and store inbound deliveries
		4.4.6.3	Provide pricing and quotations (12101)			(10354)
		4.4.6.4	Generate service orders (12102)		4.5.3.3	Track product availability (10355)
		4.4.6.5	Generate service order documentation (12103)		4.5.3.4	Pick, pack, and ship product for delivery
		4.4.6.6	Secure resources and materials (12104)			(10356)
		4.4.6.7	Manage subcontracts (12105)		4.5.3.5	Track inventory accuracy (10357)
		4.4.6.8	Develop maintenance plans (12106)		4.5.3.6	Track third-party logistics storage and shipping
	4.4.7		maintenance, repair and overhaul (MRO)			performance (10358)
		activitie			4.5.3.7	Manage physical finished goods inventory
		4.4.7.1	Manage resources and materials (12108)			(10359)
		4.4.7.2	Execute service order maintenance (12109)	4.5.4	Operate	outbound transportation (10341)
		4.4.7.3	Execute testing (12110)		4.5.4.1	Plan, transport, and deliver outbound product
		4.4.7.4	Adjust service order for over/Under material/			(10360)
			resource requirements (12111)		4.5.4.2	Track carrier delivery performance (10361)
		4.4.7.5	Dispose excess materials (12112)		4.5.4.3	Manage transportation fleet (10362)
	4.4.8	_	MRO service related inventories (12113)		4.5.4.4	Process and audit carrier invoices and
		4.4.8.1	Develop spares strategy (12114)			documents (10363)
		4.4.8.2	Develop spares list for customer sites (12115)		4.5.4.5	Prepare package and shipment (12137)
		4.4.8.3	Develop internal spares list (12116)		4.5.4.6	Manage shipping, carriers, and fleets (12145)
		4.4.8.4	Develop spares inventory (12117)	4.5.5	Manage	e returns; manage reverse logistics (10342)
		4.4.8.5	Receive spares request (12118)		4.5.5.1	Authorize and process returns (10364)
		4.4.8.6	Determine spares price (12119)		4.5.5.2	Perform reverse logistics (10365)
		4.4.8.7	Manage configuration control data (12120)		4.5.5.3	Perform salvage activities (10366)
	4.4.9		warranties (12121)		4.5.5.4	Manage and process warranty claims (10367)
		4.4.9.1	Develop warranty policies (12122)	4.5.6		iterial handling and storage (12159)
		4.4.9.2	Develop warranty schedules (12123)		4.5.6.1	Collect and analyze material handling and
		4.4.9.3	Process warranty (12124)			storage information (12160)
		4.4.9.4	Monitor and track warranty (12125)		4.5.6.2	Determine material capacity requirements
		4.4.9.5	Remove warranty claim causes (12126)			(12161)
	4.4.10		MRO related training (12127)		4.5.6.3	Determine material handling requirements
		4.4.10.1	Develop training plan (12128)		4504	(12162)
		4.4.10.2	Develop training materials (12129)		4.5.6.4	Identify requirements to modify facilities
		4.4.10.3	Maintains service bulletins/catalogues (12130)		4 F C F	layout (12163)
		4.4.10.4 4.4.10.5	Manage training schedule (12131)		4.5.6.5	Identify changes to material handling (12164)
		4.4.10.5	Deliver operations training (12132) Deliver technical training (12133)		4.5.6.6	Identify changes to material storage systems/ procedures (12165)
		4.4.10.7	Perform technical certification testing (12134)		4.5.6.7	Define stock placement strategies, procedures,
		4.4.10.7	Evaluate training effectiveness (12135)		4.3.0.7	and systems (12166)
		4.4.10.9	Maintain service master for training (12136)		4.5.6.8	Define stock location strategies, procedures,
			-		4.0.0.0	and systems (12167)
4.5	Manag	ge logisti	cs and warehousing (10219)		4.5.6.9	Define stock retrieval strategies, procedures,
	4.5.1	Define lo	ogistics strategy (10338)			and systems (12168)
		4.5.1.1	Translate customer service requirements into	4.5.7	Manage	e inventory storage, location and movement
			logistics requirements (10343)		(12169)	o and
		4.5.1.2	Design logistics network (10344)		4.5.7.1	Recognize transfer requests (internal move/
		4.5.1.3	Communicate outsourcing needs (10345)			external move) (12170)
		4.5.1.4	Develop and maintain delivery service policy		4.5.7.2	Locate stock (12171)
			(10346)		4.5.7.3	Prepare stock for movement (12172)
		4.5.1.5	Optimize transportation schedules and costs		4.5.7.4	Physically move stock (12173)
			(10347)		4.5.7.5	Maintain inventory status (12174)
		4.5.1.6	Define key performance measures (10348)		4.5.7.6	Perform physical inventory procedures (12175)
	4.5.2		ound material flow (10339)		4.5.7.7	Collect, report, and analyze logistics (12176)
		4.5.2.1	Plan inbound material receipts (10349)		4.5.7.8	Identify obsolete goods for disposition (12177)
		4.5.2.2	Manage inbound material flow (10350)		4.5.7.9	Adjust inventory (12178)
		4.5.2.3	Monitor inbound delivery performance (10351)			

4.5.8	Manage	hazardous materials and waste (12179)	4.5.9	Manage	kitting operations (12188)
	4.5.8.1	Maintain material safety data sheets (12180)		4.5.9.1	Define kitting requirements (12189)
	4.5.8.2	Maintain awareness of and communicate		4.5.9.2	Request materials (12190)
		regulatory requirements (12181)		4.5.9.3	Build kits (12191)
	4.5.8.3	Maintain hazardous material handling and		4.5.9.4	Issue materials to kits/consumption (12192)
		disposal (12182)		4.5.9.5	Prepare kits for transfer (12193)
	4.5.8.4	Manage compliance audits (12183)		4.5.9.6	Manage returnable fixtures, containers, and
	4.5.8.5	Recognize need to disposition hazardous			tools (12194)
		materials/waste (12184)		4.5.9.7	Manage labeling of kits (12195)
	4.5.8.6	Determine disposition and associated			
		processing (12185)			
	4.5.8.7	Manage disposition, disposal, reprocessing			
		activities (12186)			
	4.5.8.8	Manage documentation and reporting (12187)			
		· · ·			

## 5.0 Manage Customer Service (10006)

## 5.1 Develop customer care/customer service strategy (10378)

- 5.1.1 Develop customer service segmentation/ prioritization (e.g., tiers) (10381)
  - 5.1.1.1 Analyze existing customers (10384)
  - 5.1.1.2 Analyze feedback of customer's needs (10385)
- 5.1.2 Define customer service policies and procedures (10382)
- 5.1.3 Establish service levels for customers (10383)

## 5.2 Plan and manage customer service operations (10379)

- 5.2.1 Plan and manage customer service work force (10387)
  - 5.2.1.1 Forecast volume of customer service contacts (10390)
  - 5.2.1.2 Schedule customer service work force (10391)
  - 5.2.1.3 Track work force utilization (10392)
  - 5.2.1.4 Monitor and evaluate quality of customer interactions with customer service representatives (10393)

## 5.2.2 Manage customer requests/inquiries and provide support (12196)

- 5.2.2.1 Receive customer requests/inquiries (10394)
- 5.2.2.2 Route customer requests/inquiries (10395)
- 5.2.2.3 Respond to customer requests/inquiries (10396)
- 5.2.2.4 Support customer order status inquiry (12197)
- 5.2.2.5 Support customer deliver status inquiry (12198)
- 5.2.2.6 Support customer financial inquiry (12199)

## 5.2.3 Manage customer complaints (10389)

- 5.2.3.1 Receive customer complaints (10397)
- 5.2.3.2 Route customer complaints (10398)
- 5.2.3.3 Resolve customer complaints (10399)
- 5.2.3.4 Respond to customer complaints (10400)
- 5.2.3.5 Support customer complaints and service (12200)

## .3 Measure and evaluate customer service operations (10380)

- 5.3.1 Measure customer satisfaction with customer requests/inquiries handling (10401)
  - 5.3.1.1 Gather and solicit post-sale customer feedback on products and services (10404)
  - 5.3.1.2 Solicit post-sale customer feedback on ad effectiveness (10405)
  - 5.3.1.3 Analyze product and service satisfaction data and identify improvement opportunities (10406)
  - 5.3.1.4 Provide customer feedback to product management on products and services (10407)
- 5.3.2 Measure customer satisfaction with customercomplaint handling and resolution (10402)
  - 5.3.2.1 Solicit customer feedback on complaint handling and resolution (11236)
  - 5.3.2.2 Analyze customer complaint data and identify improvement opportunities (11237)
- 5.3.3 Measure customer satisfaction with products and services (10403)
  - 5.3.3.1 Gather and solicit post-sale customer feedback on products and services (11238)
  - 5.3.3.2 Solicit post-sale customer feedback on ad effectiveness (11239)
  - 5.3.3.3 Analyze product and service satisfaction data and identify improvement opportunities (11240)
  - 5.3.3.4 Provide customer feedback to product management on products and services (11241)

## 6.0 Develop and Manage Human Capital (10007)

.1	Devel polici	op and m es, and st	anage human resources (HR) planning, trategies (10409)		6.2.3	<b>Screen</b> 8 6.2.3.1	and select candidates (10441) Identify and deploy candidate selection tools
	6.1.1	<b>Develop</b> 6.1.1.1 6.1.1.2	human resources strategy (10415) Identify strategic HR needs (10418) Define HR and business function roles and accountability (10419)			6.2.3.2 6.2.3.3 6.2.3.4	(10456) Interview candidates (10457) Test candidates (10458) Select and reject candidates (10459)
		6.1.1.3 6.1.1.4 6.1.1.5	Determine HR costs (10420) Establish HR measures (10421) Communicate HR strategies (10422)		6.2.4	<b>Manage</b> 6.2.4.1	e pre-placement verification (10442) Complete candidate background information (10460)
	6.1.2	Develop (10416) 6.1.2.1	and implement human resources plans  Gather skill requirements according to			6.2.4.2 6.2.4.3	Conduct pre-employment screening (10461) Recommend/not recommend candidate (10462)
		0111211	corporate strategy and market environment (10423)		6.2.5	<b>Manage</b> 6.2.5.1	e <b>new hire/re-hire (10443)</b> Draw up and make offer (10463)
		6.1.2.2	Plan employee resourcing requirements per unit/organization (10424)			6.2.5.2 6.2.5.3	Negotiate offer (10464) Hire candidate (10465)
		6.1.2.3 6.1.2.4 6.1.2.5 6.1.2.6 6.1.2.7	Develop compensation plan (10425) Develop succession plan (10426) Develop employee diversity plan (10427) Develop other HR programs (10428) Develop HR policies (10429)		6.2.6	Track ca 6.2.6.1 6.2.6.2 6.2.6.3	andidates (10444) Create applicant record (10466) Manage/track applicant data (10467) Archive and retain records of non-hires (10468)
		6.1.2.7	Administer HR policies (10430)	6.3	Devel	op and co	ounsel employees (10411)
		6.1.2.9 6.1.2.10	Plan employee benefits (10431) Develop strategy for HR systems/		6.3.1	-	employee orientation and deployment
		6.1.2.11	technologies/tools (10432) Develop workforce strategy models (10433)			6.3.1.1	Create/maintain employee on-boarding program (10474)
	6.1.3		and update plans (10417)			6.3.1.2	Introduce new employees to managers (10475)
		6.1.3.1 6.1.3.2	Measure realization of objectives (10434) Measure contribution to business strategy (10435)			6.3.1.3 6.3.1.4	Introduce workplace (10476) Evaluate the effectiveness of the employee on-boarding program (11243)
		6.1.3.3	Communicate plans and provide updates to stakeholders (10436)		6.3.2	<b>Manage</b> 6.3.2.1	e employee performance (10470)  Define performance objectives (10479)
		6.1.3.4	Determine value added from HR function (10437)			6.3.2.2	Review, appraise, and manage employee performance (10480)
2	Recru	6.1.3.5	Review and revise HR plans (10438)  a, and select employees (10410)			6.3.2.3	Evaluate and review performance program (10481)
	6.2.1		and develop employees (10410)		6.3.3		e employee relations (10471)
	0.2.1	6.2.1.1	Align staffing plan to workforce plan and business unit strategies/resource needs (10445)  Develop and open job requisition (10446)			6.3.3.1 6.3.3.2 6.3.3.3 6.3.3.4	Manage health and safety (10482) Manage labor relations (10483) Manage collective bargaining process (10484) Manage labor management partnerships
		6.2.1.3 6.2.1.4 6.2.1.5	Develop a job description (10447) Post requisition (10448) Manage internal/external job posting Web		6.3.4	<b>Manage</b> 6.3.4.1	(10485) e employee development (10472) Develop competency management plans
		6.2.1.6	sites (10449) Change/Update requisition (10450)			6.3.4.2	(10486) Define employee development guidelines (10487)
		6.2.1.7 6.2.1.8	Notify hiring manager (10451)  Manage requisition date (10452)			6.3.4.3 6.3.4.4	Develop employee career plans (10488)  Manage employee skills development (10489)
	6.2.2	Recruit/ 6.2.2.1 6.2.2.2 6.2.2.3	Source candidates (10440)  Determine recruitment methods (10453)  Perform recruiting activities/events (10454)  Manage recruitment vendors (10455)		6.3.5	<b>Develop</b> 6.3.5.1	and train employees (10473) Align employee and organization development needs (10490)
		5.2.2.0				6.3.5.2 6.3.5.3	Develop competencies (10491) Establish training needs by analysis of required and available skills (10492)

		6.3.5.4	Develop, conduct, and manage employee and/		6.5.3	Manage	retirement (10514)	
			or management training programs (10493)		6.5.4	Manage	leave of absence (10515)	
6.4	Rewa	rd and re	tain employees (10412)		6.5.5	•	and implement employee outplacement	
	6.4.1		and manage reward, recognition, and on programs (10494)  Develop salary/compensation structure and plan (10498)  Develop benefits and reward plan (10499)  Perform competitive analysis of benefit and		6.5.6 6.5.7 6.5.8	Relocate (10518)	deployment of personnel (10517) e employees and manage assignments employment reduction and retirement	
		6.4.1.4	rewards (10500) Identify compensation requirements based on financial, benefits, and HR policies (10501)		6.5.9 6.5.10	•	expatriates (10520) employee relocation process (10521)	
		6.4.1.5 6.4.1.6	Administer compensation and rewards to employees (10502) Reward and motivate employees (10503)	6.6	<b>Mana</b> 6.6.1 6.6.2	Manage	yee information (10414) reporting processes (10522)	
	6.4.2		and administer benefits (10495)			_	employee inquiry process (10523)	
	0.7.2	6.4.2.1	Deliver employee benefits program (10504)		6.6.3	•	and maintain employee data (10524)	
		6.4.2.2 6.4.2.3	Administer benefit enrollment (10505) Process claims (10506)		6.6.4	Manage (HRIS) (1	human resource information systems (10525)	
		6.4.2.4	Perform benefit reconciliation (10507)		6.6.5	Develop and manage employee metrics (10526)		
	6.4.3		employee assistance and retention (10496)		6.6.6	Develop	and manage time and attendance (10527)	
	0.4.3	6.4.3.1 6.4.3.2	Deliver programs to support work/life balance for employees (10508)  Develop family support systems (10509)		6.6.7	•	employee communication (10528) Develop employee communication plan (10529)	
		6.4.3.3	Review retention and motivation indicators (10510)			6.6.7.2	Manage/collect employee suggestions and perform employee research (10530)	
		6.4.3.4	Review compensation plan (10511)			6.6.7.3	Manage employee grievances (10531)	
	6.4.4		administration (10497)			6.6.7.4	Publish employee communications (10532)	
6.5	Re-de	nlov and	retire employees (10413)					
0.0	6.5.1		promotion and demotion process (10512)					
		•	•					
	6.5.2	ıvıanage	separation (10513)					

## 7.0 Manage Information Technology (10008)

			Timeton recimology (10000)			
7.1	<b>Mana</b> 7.1.1	_	siness of information technology (10563) the enterprise IT strategy (10570)		7.1.2.2	Confirm enterprise architecture maintenance approach (10612)
	7.1.1	7.1.1.1 7.1.1.2	Build strategic intelligence (10603) Identify long-term IT needs of the enterprise in		7.1.2.3	Maintain the relevance of the enterprise architecture (10613)
		7.1.1.3	collaboration with stakeholders (10604) Define strategic standards, guidelines and		7.1.2.4	Act as clearinghouse for IT research and innovation (10614)
			principles (10605)		7.1.2.5	Govern the enterprise architecture (10615)
		7.1.1.4	Define and establish IT architecture and	7.1.3	Manage	e the IT portfolio (10572)
			development standards (10606)		7.1.3.1	Establish the IT portfolio (10616)
		7.1.1.5	Define strategic vendors for IT components (10607)		7.1.3.2	Analyze and evaluate the value of the IT portfolio for the enterprise (10617)
		7.1.1.6	Establish IT governance organization and processes (10608)		7.1.3.3	Provision resources in accordance with strategic priorities (10618)
		7.1.1.7	Build strategic plan to support business	7.1.4	Perform	IT research and innovation (10573)
			objectives (10609)		7.1.4.1	Research technologies to innovate IT services
	7.1.2	Define th	ne enterprise architecture (10571)			and solutions (10620)
		7.1.2.1	Establish the enterprise architecture definition (10611)		7.1.4.2	Transition viable technologies for IT services and solutions development (10621)

	7.1.5		11 financial management (10574)			1.2.4.2	Assess and communicate customer
		7.1.5.1	Develop and maintain IT services and solutions				satisfaction patterns (10648)
			cost transparency (10622)			7.2.4.3	Initiate improvements based on customer
		7.1.5.2	Establish and maintain accounting process				satisfaction patterns (10649)
			(10623)		7.2.5	Market	IT services and solutions (10582)
		7.1.5.3	Tie project funding to business case decision			7.2.5.1	Develop IT services and solutions marketing
			checkpoints (10624)				strategy (10650)
	7.1.6	Evaluate	and communicate IT business value and			7.2.5.2	Develop and manage IT customer strategy
			ance (10575)				(10651)
		7.1.6.1	Establish and monitor key performance			7.2.5.3	Manage IT services and solutions advertising
		7.1.0.1	indicators (10625)			7.2.0.0	and promotional campaigns (10652)
		7.1.6.2	Evaluate IT plan performance (10626)			7.2.5.4	Process and track IT services and solutions
		7.1.6.2	Communicate IT value (10627)			7.2.0.7	orders (10653)
	717		, ,				orders (10000)
	7.1.7		IT staff management (10576)	7.3	Mana	ige busin	ess resiliency and risk (11216)
		7.1.7.1	Develop IT leadership and staff (10628)		7.3.1	Develor	and manage business resilience (11217)
		7.1.7.2	Manage IT staff performance (10629)			7.3.1.1	Develop the business resilience strategy
	7.1.8	•	IT suppliers and contracts (10577)				(11221)
		7.1.8.1	Develop IT (development and delivery)			7.3.1.2	Perform continuous business operations
			sourcing strategies (10630)				planning (11222)
		7.1.8.2	Negotiate with suppliers (10631)			7.3.1.3	Test continuous business operations (11223)
		7.1.8.3	Establish and maintain supplier relationships			7.3.1.4	Maintain continuous business operations
			(10632)			7.0	(11224)
		7.1.8.4	Evaluate supplier performance (10633)		7.3.2	Davalor	and manage regulatory compliance (11218)
		7.1.8.5	Assess contract performance (10634)		1.5.2	7.3.2.1	Develop the regulatory compliance strategy
7.2	Dovol	on and m	anage IT customer relationships (10564)			7.0.2.1	(11225)
1.2		-	-			7.3.2.2	Establish regulatory compliance controls
	7.2.1		IT services and solutions strategy (10578)			7.0.2.2	(11226)
		7.2.1.1	Research IT services and solutions to address			7.3.2.3	Manage regulatory compliance remediation
		7010	business and user requirements (11244)			7.0.2.0	(11227)
		7.2.1.2	Translate business and user requirements into		700	Daufaum	
		7010	IT services and solutions requirements (11245)		7.3.3		integrated risk management (11219)
		7.2.1.3	Formulate IT services and solutions strategic			7.3.3.1	Develop an integrated risk strategy and
		7.2.1.4	initiatives (11246)			7.3.3.2	approach (11228)
		7.Z.1.4	Coordinate strategies with internal stakeholders to ensure alignment (11247)		7.0.4		Manage integrated risks (11229)
		7.2.1.5	Evaluate and select IT services and solutions		7.3.4		and implement security, privacy, and data
		7.2.1.3	strategic initiatives (11248)			•	on controls (11220)
	7.00	ъ .				7.3.4.1	Establish information security, privacy, and
	1.2.2	-	and manage IT service levels (10579)			7040	data protection strategies and levels (11230)
		7.2.2.1	Create and maintain the IT services and			7.3.4.2	Test, evaluate, and implement information
		7000	solutions catalog (10640)				security, and privacy and data protection
		7.2.2.2	Establish and maintain business and IT service				controls (11231)
		7000	level agreements (10641)	7.4	Mana	iae enteri	orise information (10565)
		7.2.2.3	Evaluate and report service level attainment		7.4.1	•	o information and content management
		7.2.2.4	results (10642) Communicate business and IT service level		,,,,,		es (10583)
		1.Z.Z.4				7.4.1.1	Understand information and content
		<b>D</b> (	improvement opportunities (10643)			,	management needs and the role of IT services
	7.2.3		demand side management (DSM) for IT				for executing the business strategy (10654)
		services				7.4.1.2	Assess the information and content
		7.2.3.1	Analyze IT services and solutions consumption			7.1.1.2	management implications of new technologies
		7000	and usage (10644)				(10655)
		7.2.3.2	Develop and implement incentive programs			7.4.1.3	Identify and prioritize information and content
		7000	that improve consumption efficiency (10645)			7.1.1.0	management actions (10656)
		7.2.3.3	Develop volume/unit forecast for IT services		7.4.2	Dofine +	the enterprise information architecture
			and solutions (10646)		1.4.2	(10584)	ne enterprise information architecture
	7.2.4	_	IT customer satisfaction (10581)			7.4.2.1	Define information elements, composite
		7.2.4.1	Capture and analyze customer satisfaction			7. <del>4</del> .Z.1	structure, logical relationships and constraints,
			(10647)				taxonomy, and derivation rules (10657)
							takononiy, and utnivation fults (1000/)

		7.4.2.2	Define information access requirements (10658)			7.5.5.3	Acquire/develop changed IT service/solution component (10683)
		7.4.2.3 7.4.2.4	Establish data custodianship (10659) Manage changes to content data architecture requirements (10660)			7.5.5.4 7.5.5.5	Test IT service/solution change (10684) Retire solutions and services (10685)
	7 4 0	N/	•	7.6	Deplo	y informa	tion technology solutions (10567)
	7.4.3	7.4.3.1	e information resources (10585)  Define the enterprise information/data policies and standards (10661)		7.6.1	<b>Develop</b> 7.6.1.1	the IT deployment strategy (10592) Establish IT services and solutions change
		7.4.3.2	Develop and implement data and content administration (10662)			7.6.1.2	policies (10686) Define deployment process, procedures, and tools standards (10687)
	7.4.4	(10586)	enterprise data and content management			7.6.1.3	Select deployment methodologies and tools (10688)
		7.4.4.1	Define sources and destinations of content data (10663)		7.6.2		implement changes (10593)
		7.4.4.2	Manage technical interfaces to users of content (10664)			7.6.2.1 7.6.2.2	Plan change deployment (10689) Communicate changes to stakeholders (10690)
		7.4.4.3	Manage retention, revision, and retirement of enterprise information (10665)			7.6.2.3 7.6.2.4 7.6.2.5	Administer change schedule (10691) Train impacted users (10692) Distribute and install change (10693)
7.5	Devel	op and m	aintain information technology solutions			7.6.2.6	Verify change (10694)
	(10566				7.6.3	Plan and	d manage releases (10594)
	7.5.1	<b>Develop</b> 7.5.1.1	the IT development strategy (10587) Establish sourcing strategy for IT development			7.6.3.1	Understand and coordinate release design and acceptance (10695)
		7 5 1 0	(10666)			7.6.3.2	Plan release rollout (10696)
		7.5.1.2	Define development processes, methodologies, and tools standards (10667)			7.6.3.3 7.6.3.4	Distribute and install release (10697) Verify release (10698)
		7.5.1.3	Select development methodologies and tools (10668)	7.7	Deliv (1056		pport information technology services
	7.5.2		IT services and solutions life cycle		7.7.1	•	IT services and solution delivery strategy
			g (10588)		7.7.1	(10595)	The solution delivery strategy
		7.5.2.1	Plan development of new requirements (10669)			7.7.1.1	Establish sourcing strategy for IT delivery (10699)
		7.5.2.2	Plan development of feature and functionality enhancement (10670)			7.7.1.2	Define delivery processes, procedures, and tools standards (10700)
		7.5.2.3	Develop life cycle plan for IT services and solutions (10671)			7.7.1.3	Select delivery methodologies and tools (10701)
	7.5.3		and maintain IT services and solutions		7.7.2	Develop	IT support strategy (10596)
		7.5.3.1	cture (10589)  Create IT services and solutions architecture  (10672)			7.7.2.1	Establish sourcing strategy for IT support (10702)
		7.5.3.2	Revise IT services and solutions architecture			7.7.2.2	Define IT support services (10703)
		7.0.0.2	(10673)		7.7.3	Manage	IT infrastructure resources (10597)
		7.5.3.3	Retire IT services and solutions architecture (10674)			7.7.3.1 7.7.3.2	Manage IT inventory and assets (10704) Manage IT resource capacity (10705)
	7.5.4	Create I	T services and solutions (10590)		7.7.4	_	IT infrastructure operations (10598)
		7.5.4.1	Understand confirmed requirements (10675)			7.7.4.1	Deliver IT services and solutions (10706)
		7.5.4.2	Design IT services and solutions (10676)			7.7.4.2	Perform IT operations support services (10707)
		7.5.4.3	Acquire/Develop IT service/solution components (10677)		7.7.5	<b>Support</b> 7.7.5.1	IT services and solutions (10599) Manage availability (10708)
		7.5.4.4	Train services and solutions resources (10678)			7.7.5.2	Manage facilities (10709)
		7.5.4.5	Test IT services/solutions (10679)			7.7.5.3	Manage backup/recovery (10710)
		7.5.4.6	Confirm customer acceptance (10680)			7.7.5.4	Manage performance and capacity (10711)
	7.5.5	Maintai	n IT services and solutions (10591)			7.7.5.5	Manage incidents (10712)
		7.5.5.1	Understand upkeep/enhance requirements and defect analysis (10681)			7.7.5.6 7.7.5.7	Manage problems (10713) Manage inquiries (10714)
		7.5.5.2	Design change to existing IT service/solution				

7.8	Mana	ige IT kno	wledge (10569)		7.8.2.3	Identify IT knowledge-sharing opportunities
	7.8.1	<b>Develop</b> 7.8.1.1 7.8.1.2	Understand IT knowledge ment strategy (10600)  Understand IT knowledge needs (10715)  Understand current IT knowledge flow (10716)		7.8.2.4	(10721) Define IT knowledge processes and approaches (10722)
		7.8.1.3	Coordinate strategy and roles with the enterprise KM function (10717)	7.8.3	Manage 7.8.3.1	e IT knowledge life cycle (10602) Gather knowledge elements from IT
		7.8.1.4	Plan IT knowledge management actions and priorities (10718)		7.8.3.2	knowledge sources (10723) Evaluate, create, and codify knowledge
	7.8.2	Develor	and maintain IT knowledge map (10601)		7.0.5.2	elements (10724)
	7.0.2	7.8.2.1 7.8.2.2	Define knowledge elements, logical relationships and constraints, and currency rules (10719) Identify IT knowledge sources and repositories		7.8.3.3 7.8.3.4 7.8.3.5	Deploy codified IT knowledge (10725) Update and retire IT knowledge (10726) Evaluate and improve IT knowledge strategies and processes (10727)
			(10720)			

8.0	0 Man	age Fina	ncial Resources (10009)			
8.1	<b>Perfo</b> 8.1.1		ng and management accounting (10728) planning/budgeting/forecasting (10738)		8.2.1.5	Reinstate or suspend accounts based on credit policies (10793)
	0.1.1	8.1.1.1 8.1.1.2 8.1.1.3	Develop and maintain budget policies and procedures (10771) Prepare periodic budgets and plans (10772) Prepare periodic financial forecasts (10773)	8.2.2	Invoice 8.2.2.1 8.2.2.2	customer (10743)  Maintain customer/product master files (10794)  Generate customer billing data (10795)
	8.1.2		cost accounting and control (10739)  Perform inventory accounting (10774)  Perform cost of sales analysis (10775)  Perform product costing (10776)  Perform variance analysis (10777)  Report on profitability (11175)	8.2.3	8.2.2.3 8.2.2.4 8.2.2.5	Transmit billing data to customers (10796) Post receivable entries (10797) Resolve customer billing inquires (10798) s accounts receivable (AR) (10744) Establish AR policies (10799) Receive/Deposit customer payments (10800)
	8.1.3		cost management (10740)  Determine key cost drivers (10778)  Measure cost drivers (10779)  Determine critical activities (10780)  Manage asset resource deployment and utilization (10781)	8.2.4	8.2.3.3 8.2.3.4 8.2.3.5	Apply cash remittances (10801) Prepare AR reports (10802) Post AR activity to the general ledger (10803) e and process collections (10745) Establish policies for delinquent accounts (10804)
	8.1.4	8.1.4.1 8.1.4.2 8.1.4.3 8.1.4.4 8.1.4.5	e and manage financial performance (10741) Assess customer and product profitability (10782) Evaluate new products (10783) Perform life cycle costing (10784) Optimize customer and product mix (10785) Track performance of new customer and		8.2.4.2 8.2.4.3 8.2.4.4 8.2.4.5	Analyze delinquent account balances (10805) Correspond/Negotiate with delinquent accounts (10806) Discuss account resolution with internal parties (10807) Process adjustments/write-off balances (10808)
		8.1.4.6 8.1.4.7	product strategies (10786) Prepare activity-based performance measures (10787) Manage continuous cost improvement (10788)	8.2.5	( <b>10746</b> ) 8.2.5.1	e and process adjustments/deductions  Establish policies/procedures for adjustments (10809)
8.2	Perfo	rm revenu	ie accounting (10729)		8.2.5.2 8.2.5.3	Analyze adjustments (10810) Correspond/Negotiate with customer (10811)
	8.2.1	Process 8.2.1.1 8.2.1.2	customer credit (10742) Establish credit policies (10789) Analyze/Approve new account applications (10790) Review existing accounts (10791)		8.2.5.4 8.2.5.5 8.2.5.6	Discuss resolution with internal parties (10812) Prepare chargeback invoices (10813) Process related entries (10814)
		8.2.1.4	Produce credit/collection reports (10792)			

8.3	Perfo	rm genera	al accounting and reporting (10730)			8.4.1.2	Develop and approve capital expenditure plans
	8.3.1	Manage	policies and procedures (10747)				and budgets (10845)
		8.3.1.1	Negotiate service level agreements (10815)			8.4.1.3	Review and approve capital projects and fixed
		8.3.1.2	Establish accounting policies (10816)				asset acquisitions (10846)
		8.3.1.3	Set and enforce approval limits (10817)			8.4.1.4	Conduct financial justification for project
		8.3.1.4	Establish common financial systems (10818)				approval (10847)
	8.3.2	Perform	general accounting (10748)		8.4.2	Perform	capital project accounting (10752)
		8.3.2.1	Maintain chart of accounts (10819)			8.4.2.1	Create project account codes (10848)
		8.3.2.2	Process journal entries (10820)			8.4.2.2	Record project-related transactions (10849)
		8.3.2.3	Process allocations (10821)			8.4.2.3	Monitor and track capital projects and budget
		8.3.2.4	Process period end adjustments (e.g., accruals,				spending (10850)
			currency conversions, etc.) (10822)			8.4.2.4	Close/capitalize projects (10851)
		8.3.2.5	Post and reconcile intercompany transactions			8.4.2.5	Measure financial returns on completed
			(10823)				capital projects (10852)
		8.3.2.6	Reconcile GL accounts (10824)	8.5	Proce	ess payrol	I (10732)
		8.3.2.7	Perform consolidations and process		8.5.1		ime (10753)
			eliminations (10825)		0.0.1	8.5.1.1	Establish policies and procedures (10853)
		8.3.2.8	Prepare trial balance (10826)			8.5.1.2	Collect and record employee time worked
		8.3.2.9	Prepare and post management adjustments			0.0.1.2	(10854)
			(10827)			8.5.1.3	Analyze and report paid and unpaid leave
	8.3.3		fixed asset accounting (10749)				(10855)
		8.3.3.1	Establish fixed asset policies and procedures			8.5.1.4	Monitor regular, overtime, and other hours
		0.000	(10828)				(10856)
		8.3.3.2	Maintain fixed asset master data files (10829)			8.5.1.5	Analyze and report employee utilization
		8.3.3.3	Process and record fixed asset additions and retires (10830)				(10857)
		8.3.3.4	Process and record fixed asset adjustments,		8.5.2	Manage	pay (10754)
		0.3.3.4	enhancements, revaluations, and transfers			8.5.2.1	Enter employee time worked into payroll
			(10831)				system (10858)
		8.3.3.5	Process and record fixed asset maintenance			8.5.2.2	Maintain and administer employee earnings
			and repair expenses (10832)				information (10859)
		8.3.3.6	Calculate and record depreciation expense			8.5.2.3	Maintain and administer applicable deductions
			(10833)			0 5 2 4	(10860)
		8.3.3.7	Reconcile fixed asset ledger (10834)			8.5.2.4	Monitor changes in tax status of employees (10861)
		8.3.3.8	Track fixed assets including physical inventory			8.5.2.5	Process and distribute payments (10862)
			(10835)			8.5.2.6	Process and distribute manual checks (10863)
		8.3.3.9	Provide fixed asset data to support tax,			8.5.2.7	Process period end adjustments (10864)
			statutory, and regulatory reporting (10836)			8.5.2.8	Respond to employee payroll inquires (10865)
	8.3.4		financial reporting (10750)		8.5.3		payroll taxes (10755)
		8.3.4.1	Prepare business unit financial statements		0.5.5	8.5.3.1	Calculate and pay applicable payroll taxes
			(10837)			0.0.0.1	(10866)
		8.3.4.2	Prepare consolidated financial statements			8.5.3.2	Produce and distribute employee annual tax
		0.0.4.0	(10838)				statements (10867)
		8.3.4.3	Perform business unit reporting/review			8.5.3.3	File regulatory payroll tax forms (10868)
		8.3.4.4	management reports (10839) Perform consolidated reporting/review of cost				
		0.3.4.4	management reports (10840)	8.6			nts payable and expense reimbursements
		8.3.4.5	Prepare statements for board review (10841)		(1073		. II (AD) (107F0)
		8.3.4.6	Produce quarterly/annual filings and		8.6.1		accounts payable (AP) (10756)
		0.0.1.0	shareholder reports (10842)			8.6.1.1	Verify AP pay file with PO vendor master file (10869)
		8.3.4.7	Produce regulatory reports (10843)			8.6.1.2	Maintain/manage electronic commerce
						0.0.1.2	(10870)
8.4		_	asset project accounting (10731)			8.6.1.3	Audit invoices and key data in AP system
	8.4.1		capital planning and project approval			0.0.1.0	(10871)
		(10751)				8.6.1.4	Approve payments (10872)
		8.4.1.1	Develop capital investment policies and			8.6.1.5	Process financial accruals and reversals
			procedures (10844)				(10873)
							•

		8.6.1.6	Process taxes (10874)			8.7.3.5	Manage internal payments and netting
		8.6.1.7	Research/resolve exceptions (10875)				transactions (10905)
		8.6.1.8	Process payments (10876)			8.7.3.6	Calculate interest and fees for in-house bank
		8.6.1.9	Respond to AP inquires (10877)				accounts (10906)
		8.6.1.10	Retain records (10878)			8.7.3.7	Provide account statements for in-house bank
		8.6.1.11	Adjust accounting records (10879)				accounts (10907)
		8.6.1.12	Match receipts with purchase orders (12213)		8.7.4	_	e debt and investment (10761)
			Perform evaluated receipt settlement (12214)			8.7.4.1	Manage financial intermediary relationships
		8.6.1.14					(10908)
		8.6.1.15	·			8.7.4.2	Manage liquidity (10909)
			Process recurring invoices (12217)			8.7.4.3	Manage issuer exposure (10910)
		8.6.1.17	Maintain bank account information (12218)			8.7.4.4	Process and oversee debt and investment
	8.6.2		expense reimbursements (10757)				transactions (10911)
		8.6.2.1	Establish and communicate expense			8.7.4.5	Process and oversee foreign currency
			reimbursement policies and approval limits				transactions (10912)
			(10880)			8.7.4.6	Produce debt and investment accounting
		8.6.2.2	Capture and report relevant tax data (10881)				transaction reports (10913)
		8.6.2.3	Approve reimbursements and advances		8.7.5		e financial risks (11208)
		0.004	(10882)			8.7.5.1	Manage interest rate risk (11209)
		8.6.2.4	Process reimbursements and advances (10883)			8.7.5.2	Manage foreign exchange risk (11210)
		8.6.2.5	Manage personal accounts (10884)			8.7.5.3	Manage exposure risk (11211)
<b>B.7</b>	Mana	ge treasu	ry operations (10734)			8.7.5.4	Develop and execute hedging transactions
	8.7.1	_	treasury policies and procedures (10758)			0755	(11212)
		8.7.1.1	Establish scope and governance of treasury			8.7.5.5	Evaluate and refine hedging positions (11213)
			operations (10885)			8.7.5.6	Produce hedge accounting transactions and
		8.7.1.2	Establish and publish treasury policies (10886)			8.7.5.7	reports (11214) Monitor credit (11215)
		8.7.1.3	Develop treasury procedures (10887)			0.7.3.7	Monitor credit (11213)
		8.7.1.4	Monitor treasury procedures (10888)	8.8	Mana	ge intern	al controls (10735)
		8.7.1.4 8.7.1.5	Monitor treasury procedures (10888) Audit treasury procedures (10889)	8.8	<b>Mana</b> 8.8.1	_	
		8.7.1.5 8.7.1.6	Audit treasury procedures (10889) Revise treasury procedures (10890)	8.8		_	al controls (10735) h internal controls, policies and procedures
		8.7.1.5	Audit treasury procedures (10889) Revise treasury procedures (10890) Develop and confirm internal controls for	8.8		Establis	
		8.7.1.5 8.7.1.6 8.7.1.7	Audit treasury procedures (10889) Revise treasury procedures (10890) Develop and confirm internal controls for treasury (10891)	8.8		Establis (10762)	h internal controls, policies and procedures  Establish board of directors and audit committee (10914)
		8.7.1.5 8.7.1.6 8.7.1.7 8.7.1.8	Audit treasury procedures (10889) Revise treasury procedures (10890) Develop and confirm internal controls for treasury (10891) Define system security requirements (10892)	8.8		Establis (10762)	h internal controls, policies and procedures  Establish board of directors and audit committee (10914)  Define and communicate code of ethics
	8.7.2	8.7.1.5 8.7.1.6 8.7.1.7 8.7.1.8 Manage	Audit treasury procedures (10889) Revise treasury procedures (10890) Develop and confirm internal controls for treasury (10891) Define system security requirements (10892) cash (10759)	8.8		Establis (10762) 8.8.1.1 8.8.1.2	h internal controls, policies and procedures  Establish board of directors and audit committee (10914)  Define and communicate code of ethics (10915)
	8.7.2	8.7.1.5 8.7.1.6 8.7.1.7 8.7.1.8 Manage 8.7.2.1	Audit treasury procedures (10889) Revise treasury procedures (10890) Develop and confirm internal controls for treasury (10891) Define system security requirements (10892) cash (10759) Manage and reconcile cash positions (10893)	8.8		Establis (10762) 8.8.1.1	Establish board of directors and audit committee (10914) Define and communicate code of ethics (10915) Assign roles and responsibility for internal
	8.7.2	8.7.1.5 8.7.1.6 8.7.1.7 8.7.1.8 Manage 8.7.2.1 8.7.2.2	Audit treasury procedures (10889) Revise treasury procedures (10890) Develop and confirm internal controls for treasury (10891) Define system security requirements (10892) cash (10759) Manage and reconcile cash positions (10893) Manage cash equivalents (10894)	8.8		Establis (10762) 8.8.1.1 8.8.1.2 8.8.1.3	h internal controls, policies and procedures  Establish board of directors and audit committee (10914)  Define and communicate code of ethics (10915)  Assign roles and responsibility for internal controls (10916)
	8.7.2	8.7.1.5 8.7.1.6 8.7.1.7 8.7.1.8 Manage 8.7.2.1	Audit treasury procedures (10889) Revise treasury procedures (10890) Develop and confirm internal controls for treasury (10891) Define system security requirements (10892) cash (10759) Manage and reconcile cash positions (10893) Manage cash equivalents (10894) Process and oversee electronic fund transfers	8.8		Establis (10762) 8.8.1.1 8.8.1.2	Establish board of directors and audit committee (10914) Define and communicate code of ethics (10915) Assign roles and responsibility for internal controls (10916) Define business process objectives and risks
	8.7.2	8.7.1.5 8.7.1.6 8.7.1.7 8.7.1.8 Manage 8.7.2.1 8.7.2.2 8.7.2.3	Audit treasury procedures (10889) Revise treasury procedures (10890) Develop and confirm internal controls for treasury (10891) Define system security requirements (10892) cash (10759) Manage and reconcile cash positions (10893) Manage cash equivalents (10894) Process and oversee electronic fund transfers (EFTs) (10895)	8.8		Establis (10762) 8.8.1.1 8.8.1.2 8.8.1.3 8.8.1.4	h internal controls, policies and procedures  Establish board of directors and audit committee (10914)  Define and communicate code of ethics (10915)  Assign roles and responsibility for internal controls (10916)  Define business process objectives and risks (11250)
	8.7.2	8.7.1.5 8.7.1.6 8.7.1.7 8.7.1.8 Manage 8.7.2.1 8.7.2.2 8.7.2.3	Audit treasury procedures (10889) Revise treasury procedures (10890) Develop and confirm internal controls for treasury (10891) Define system security requirements (10892) cash (10759) Manage and reconcile cash positions (10893) Manage cash equivalents (10894) Process and oversee electronic fund transfers (EFTs) (10895) Develop cash flow forecasts (10896)	8.8	8.8.1	Establis (10762) 8.8.1.1 8.8.1.2 8.8.1.3 8.8.1.4 8.8.1.5	Establish board of directors and audit committee (10914) Define and communicate code of ethics (10915) Assign roles and responsibility for internal controls (10916) Define business process objectives and risks (11250) Define entity/unit risk tolerances (11251)
	8.7.2	8.7.1.5 8.7.1.6 8.7.1.7 8.7.1.8 Manage 8.7.2.1 8.7.2.2 8.7.2.3 8.7.2.4 8.7.2.5	Audit treasury procedures (10889) Revise treasury procedures (10890) Develop and confirm internal controls for treasury (10891) Define system security requirements (10892)  cash (10759) Manage and reconcile cash positions (10893) Manage cash equivalents (10894) Process and oversee electronic fund transfers (EFTs) (10895) Develop cash flow forecasts (10896) Manage cash flows (10897)	8.8		Establis (10762) 8.8.1.1 8.8.1.2 8.8.1.3 8.8.1.4 8.8.1.5 Operate	Establish board of directors and audit committee (10914) Define and communicate code of ethics (10915) Assign roles and responsibility for internal controls (10916) Define business process objectives and risks (11250) Define entity/unit risk tolerances (11251) controls and monitor compliance with
	8.7.2	8.7.1.5 8.7.1.6 8.7.1.7 8.7.1.8 Manage 8.7.2.1 8.7.2.2 8.7.2.3	Audit treasury procedures (10889) Revise treasury procedures (10890) Develop and confirm internal controls for treasury (10891) Define system security requirements (10892) cash (10759) Manage and reconcile cash positions (10893) Manage cash equivalents (10894) Process and oversee electronic fund transfers (EFTs) (10895) Develop cash flow forecasts (10896) Manage cash flows (10897) Produce cash management accounting	8.8	8.8.1	Establis (10762) 8.8.1.1 8.8.1.2 8.8.1.3 8.8.1.4 8.8.1.5 Operate internal	Establish board of directors and audit committee (10914) Define and communicate code of ethics (10915) Assign roles and responsibility for internal controls (10916) Define business process objectives and risks (11250) Define entity/unit risk tolerances (11251) controls and monitor compliance with controls policies and procedures (10763)
	8.7.2	8.7.1.5 8.7.1.6 8.7.1.7 8.7.1.8 Manage 8.7.2.1 8.7.2.2 8.7.2.3 8.7.2.4 8.7.2.5 8.7.2.6	Audit treasury procedures (10889) Revise treasury procedures (10890) Develop and confirm internal controls for treasury (10891) Define system security requirements (10892) cash (10759) Manage and reconcile cash positions (10893) Manage cash equivalents (10894) Process and oversee electronic fund transfers (EFTs) (10895) Develop cash flow forecasts (10896) Manage cash flows (10897) Produce cash management accounting transactions and reports (10898)	8.8	8.8.1	Establis (10762) 8.8.1.1 8.8.1.2 8.8.1.3 8.8.1.4 8.8.1.5 Operate	Establish board of directors and audit committee (10914) Define and communicate code of ethics (10915) Assign roles and responsibility for internal controls (10916) Define business process objectives and risks (11250) Define entity/unit risk tolerances (11251) controls and monitor compliance with controls policies and procedures (10763) Design and implement control activities
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		8.7.1.5 8.7.1.6 8.7.1.7 8.7.1.8 Manage 8.7.2.1 8.7.2.2 8.7.2.3 8.7.2.4 8.7.2.5 8.7.2.6 8.7.2.7 8.7.2.8 Manage 8.7.3.1 8.7.3.2	Audit treasury procedures (10889) Revise treasury procedures (10890) Develop and confirm internal controls for treasury (10891) Define system security requirements (10892)  cash (10759) Manage and reconcile cash positions (10893) Manage cash equivalents (10894) Process and oversee electronic fund transfers (EFTs) (10895) Develop cash flow forecasts (10896) Manage cash flows (10897) Produce cash management accounting transactions and reports (10898) Manage and oversee banking relationships (10899) Analyze, negotiate, resolve, and confirm bank fees (10900) in-house bank accounts (10760) Manage in-house bank accounts for subsidiaries (10901) Manage and facilitate inter-company borrowing transactions (10902) Manage centralized outgoing payments on behalf of subsidiaries (10903) Manage central incoming payments on behalf	8.8	8.8.1	Establis (10762) 8.8.1.1 8.8.1.2 8.8.1.3 8.8.1.4 8.8.1.5 Operate internal 8.8.2.1 8.8.2.2 8.8.2.3 8.2.4 8.2.5 8.8.2.6 Report 6.8.3.1 8.8.3.2	Establish board of directors and audit committee (10914)  Define and communicate code of ethics (10915)  Assign roles and responsibility for internal controls (10916)  Define business process objectives and risks (11250)  Define entity/unit risk tolerances (11251)  controls and monitor compliance with controls policies and procedures (10763)  Design and implement control activities (10917)  Monitor control effectiveness (10918)  Remediate control deficiencies (10919)  Create compliance function (10920)  Operate compliance function (10921)  Implement and maintain controls-related enabling technologies and tools (10922)  on internal controls compliance (10764)  Report to external auditors (10923)  Report to regulators, share/debt-holders, securities exchanges, etc. (10924)

#### Manage taxes (10736) 8.9.2.4 Calculate deferred taxes (10933) 8.9.2.5 Account for taxes (10934) Develop tax strategy and plan (10765) 8.9.1 Monitor tax compliance (10935) 8.9.2.6 Develop foreign, national, state and local tax 8.9.2.7 Address tax inquiries (10936) strategy (10927) 8.9.1.2 Consolidate and optimize total tax plan (10928) 8.10 Manage international funds/consolidation (10737) 8.9.1.3 Maintain tax master data (10929) 8.10.1 Monitor international rates (10767) 8.9.2 Process taxes (10766) 8.10.2 Manage transactions (10768) 8.9.2.1 Perform tax planning/strategy (10930) 8.10.3 Monitor currency exposure/hedge currency (10769) Prepare returns (10931) 8.9.2.2 8.10.4 Report results (10770) Prepare foreign taxes (10932) 8.9.2.3

## 9.0 Acquire, Construct, and Manage Property (10010)

## 9.1 Design and construct/acquire non-productive assets (10937)

- 9.1.1 Develop property strategy and long term vision (10941)
  - 9.1.1.1 Confirm alignment of property requirements with business strategy (10955)
  - 9.1.1.2 Assess the external environment (10956)
  - 9.1.1.3 Determine build or buy decision (10957)
- 9.1.2 Develop, construct, and modify sites (10942)
- 9.1.3 Plan facility (10943)
  - 9.1.3.1 Design facility (10958)
  - 9.1.3.2 Analyze budget (10959)
  - 9.1.3.3 Select property (10960)
  - 9.1.3.4 Negotiate terms for facility (10961)
  - 9.1.3.5 Manage construction or modification to building (10962)
- 9.1.4 Provide workspace and assets (10944)
  - 9.1.4.1 Acquire workspace and assets (10963)
  - 9.1.4.2 Change fit/form/function of workspace and assets (10964)

## 9.2 Maintain non-productive assets (10938)

- 9.2.1 Move people and assets (10945)
  - 9.2.1.1 Relocate people (10965)
  - 9.2.1.2 Relocate material and tools (10966)
- 9.2.2 Repair workplace and assets (10946)
- 9.2.3 Provide preventative maintenance for workplace and assets (10947)
- 9.2.4 Manage security (10948)
- 9.2.5 Manage facilities operations (10949)

## 9.3 Obtain, install and plan maintenance for productive assets (10939)

- 9.3.1 Develop ongoing maintenance policies for production assets (10950)
  - 9.3.1.1 Analyze assets and predict maintenance requirements (10967)
  - 9.3.1.2 Develop approach to integrate preventive maintenance into production schedule (10968)
- 9.3.2 Obtain and install equipment (10951)
  - 9.3.2.1 Design engineering solution for the manufacturing process (10969)
  - 9.3.2.2 Procure equipment (10970)
  - 9.3.2.3 Install and commission equipment (10971)

### 9.4 Dispose of productive and non-productive assets (10940)

- 9.4.1 Develop exit strategy (10952)
- 9.4.2 Perform sale or trade (10953)
- 9.4.3 Perform abandonment (10954)
- 9.5 Manage physical risk (11207)

## 10.0 Manage Environmental Health and Safety (EHS) (11179)

## 10.1 Determine health, safety, and environment impacts (11180)

- 10.1.1 Evaluate environmental impact of products, services, and operations (11186)
  - 10.1.2 Conduct health and safety and environmental audits (11187)

## 10.2 Develop and execute health, safety, and environmental program (11181)

- 10.2.1 Identify regulatory and stakeholder requirements (11188)
  - 10.2.2 Assess future risks and opportunities (11189)
  - 10.2.3 Create EHS policy (11190)
  - 10.2.4 Record and manage EHS events (11191)

## 10.3 Train and educate employees (11182)

10.3.1 Communicate EHS issues to stakeholders and provide support (11192)

## 10.4 Monitor and manage health, safety, and environmental management program (11183)

10.4.1 Manage EHS costs and benefits (11193)

## 10.4.2 Measure and report EHS performance (11194)

- 10.4.2.1 Implement emergency response program (11196)
- 10.4.2.2 Implement pollution prevention program (11197)
- 10.4.3 Provide employees with EHS support (11195)

## 10.5 Ensure compliance with regulations (11184)

- 10.5.1 Monitor compliance (11198)
- 10.5.2 Perform compliance audit (11199)
- 10.5.3 Comply with regulatory stakeholders requirements (11200)

## 10.6 Manage remediation efforts (11185)

- 10.6.1 Create remediation plans (11201)
- 10.6.2 Contact and confer with experts (11202)
- 10.6.3 Identify/dedicate resources (11203)
- 10.6.4 Investigate legal aspects (11204)
- 10.6.5 Investigate damage cause (11205)
- 10.6.6 Amend or create policy (11206)

## 11.0 Manage External Relationships (10012)

## 11.1 Build investor relationships (11010)

- 11.1.1 Plan, build, and manage lender relations (11035)
- 11.1.2 Plan, build, and manage analyst relations (11036)
- 11.1.3 Communicate with shareholders (11037)

### 11.2 Manage government and industry relationships (11011)

- 11.2.1 Manage government relations (11038)
- 11.2.2 Manage relations with quasi-government bodies (11039)
- 11.2.3 Manage relations with trade or industry groups (11040)
- 11.2.4 Manage lobby activities (11041)

### 11.3 Manage relations with board of directors (11012)

- 11.3.1 Report results (11042)
- 11.3.2 Report audit findings (11043)

### 11.4 Manage legal and ethical issues (11013)

- 11.4.1 Create ethics policies (11044)
- 11.4.2 Manage corporate governance policies (11045)
- 11.4.3 Develop and perform preventative law programs (11046)

### 11.4.4 Ensure compliance (11047)

- 11.4.4.1 Plan and initiate compliance program (11053)
- 11.4.4.2 Execute compliance program (11054)

## 11.4.5 Manage outside counsel (11048)

- 11.4.5.1 Assess problem and determine work requirements (11056)
- 11.4.5.2 Engage/retain outside counsel if necessary (11057)
- 11.4.5.3 Receive strategy/budget (11058)
- 11.4.5.4 Receive work product and manage/ monitor case and work performed (11059)
- 11.4.5.5 Process payment for legal services (11060)
- 11.4.5.6 Track legal activity/performance (11061)

## 11.4.6 Protect intellectual property (11049)

- 11.4.6.1 Manage copyrights and patents (11062)
- 11.4.6.2 Maintain intellectual property rights and restrictions (11063)
- 11.4.6.3 Administer licensing terms (11064)
- 11.4.6.4 Administer options (11065)
- 11.4.7 Resolve disputes and litigations (11050)
- 11.4.8 Provide legal advice/counseling (11051)
- 11.4.9 Negotiate and document agreements/contracts (11052)

## 11.5 Manage public relations program (11014)

- 11.5.1 Manage community relations (11066)
- 11.5.2 Manage media relations (11067)
- 11.5.3 Promote political stability (11068)
- 11.5.4 Create press releases (11069)
- 11.5.5 Issue press releases (11070)

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## 12.0 Manage Knowledge, Improvement, and Change (10013)

12.1	Create (11071)		age organizational performance strategy			12.3.2.3 12.3.2.4	Identify gaps and needs (11112) Enhance/modify existing knowledge	
	12.1.1	(11075)	nterprise measurement systems model		1	12.3.2.5	management approaches (11113)  Develop new knowledge management	
		12.1.1.2	Establish performance measures (11080) Establish performance monitoring frequency (11081)		1	12.3.2.6	approaches (11114) Implement new knowledge management approaches (11115)	
		12.1.1.3	Set performance targets (11082)	12.3	3.3 I	dentify a	and plan KM projects (11097)	
	12.1.2	Measure	process productivity (11076)		1	12.3.3.1	, , , , , , , , , , , , , , , , , , , ,	
	12.1.3	Measure	cost effectiveness (11077)		1	10000	approach(es) (11116)	
	12.1.4	Measure	staff efficiency (11078)		I	12.3.3.2	Identify KM requirements and objectives (11117)	
40.0			cycle time (11079)		1	12.3.3.3	Assess culture and readiness for KM approach (11118)	
12.2		-	formance (11072)		1	12.3.3.4	Identify appropriate KM methodologies (e.g.,	
			performance assessments (11083)			12.0.0.1	self-service, communities, transfer, etc.)	
		-	benchmarking capabilities (11084)				(11119)	
	12.2.3	12.2.3.1	process benchmarking (11085) Compile & update list of processes &		1	12.3.3.5	Create business case and obtain funding (11120)	
			organizations to benchmark (11089) Establish benchmarks (11090) Measure performance against benchmarks			12.3.3.6	Develop project measures and indicators (11121)	
		12.2.3.3	(11091)	12.3		_	nd launch KM projects (11098)	
	122/	Conduct	competitive benchmarking (11086)		1	12.3.4.1	Design process for knowledge sharing,	
	12.2.7	12.2.4.1	Compile & update list of processes &		1	10040	capture, and use (11122)	
		12.2.1.1	organizations to benchmark (11092)			12.3.4.2 12.3.4.3	Define roles and resources (11123) Identify specific IT requirements (11124)	
		12.2.4.2	Establish benchmarks (11093)			12.3.4.3	Create training and communication plans	
		12.2.4.3	Measure performance against benchmarks			12.0.1.1	(11125)	
			(11094)		1	12.3.4.5	Develop change management plans (11126)	
	12.2.5		gap analysis to understand the need for legree of change needed (11087)		1	12.3.4.6	Design recognition and reward approaches (11127)	
40.0			need for change (11088)			12.3.4.7 12.3.4.8	Design and plan launch of KM project (11128) Deploy the KM project (11129)	
12.3	capabi	op enterp ility (1107	rise-wide knowledge management (KM) 3)	12.3		Manage the KM project life cycle (11099)		
	_		KM strategy (11095)			12.3.5.1	0 , ,	
			Develop governance model (11100)		1	12.3.5.2	Evaluate impact of KM (strategy and projects) on measures and outcomes (11131)	
			Establish a central KM core group (11101)		1	12.3.5.3	Promote and sustain activity and involvement	
		12.3.1.3	Define roles and accountability of the core			12.0.0.0	(11132)	
		12.3.1.4	group versus operating units (11102) Develop funding models (11103)		1	12.3.5.4	0	
		12.3.1.5	Identify links to key initiatives (11104)				approaches (11133)	
		12.3.1.6	Develop core KM methodologies (11105)	12.4 Ma	nage	e change	e (11074)	
		12.3.1.7	Assess IT needs and engage IT function		_		change (11134)	
			(11106)			12.4.1.1	Select process improvement methodology	
		12.3.1.8	Develop training and communication plans (11107)		1	12.4.1.2	(11138) Assess readiness for change (11139)	
		12.3.1.9	Develop change management approaches (11108)		1	12.4.1.3	Determine stakeholders (11140)	
		12.3.1.10	Develop strategic measures and indicators (11109)		1	12.4.1.5	Form design team (11142) Define scope (11143)	
	12.3.2	Assess k	nowledge management capabilities (11096)			12.4.1.7	Understand current state (11144)	
		12.3.2.1	Assess maturity of existing KM initiatives			12.4.1.8	Define future state (11145)	
			(11110)			12.4.1.9	Conduct risk analysis (11146)	
		12.3.2.2	Evaluate existing knowledge management approaches (11111)		1	12.4.1.10	Assess cultural issues (11147)	

	12.4.1.11	Establish accountability for change	12.4.3	Impleme	nt change (11136)
		management (11148)		12.4.3.1	Create commitment for improvement/change
	12.4.1.12	Identify barriers to change (11149)			(11160)
	12.4.1.13	Determine change enablers (11150)		12.4.3.2	Reengineer business processes and systems
	12.4.1.14	Identify resources and develop measures			(11161)
		(11151)		12.4.3.3	Support transition to new roles or exit
12.4.2	Design th	ne change (11135)			strategies for incumbents (11162)
	•	Assess connection to other initiatives (11152)		12.4.3.4	Monitor change (11163)
	12.4.2.2	Develop change management plans (11153)	12.4.4	Sustain i	mprovement (11137)
	12.4.2.3	Develop training plan (11154)		12.4.4.1	Monitor improved process performance
	12.4.2.4	Develop communication plan (11155)			(11164)
	12.4.2.5	Develop rewards/incentives plan (11156)		12.4.4.2	Capture and reuse lessons learned from
	12.4.2.6	Establish metrics (11157)			change process (11165)
	12.4.2.7	Establish/Clarify new roles (11158)		12.4.4.3	Take corrective action as necessary (11166)
	12.4.2.8	Identify budget/roles (11159)			



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