

ITSM Maturity Model

Incident management	1- Ad Hoc	2 - Repeatable	3 - Defined	4 - Managed	5 - Optimizing
	<ul style="list-style-type: none"> • No standardized incident management process exists • Incident management procedures are ad hoc • No formal, written standard procedures, or procedures are out of date or not followed • Lack of, or unenforced policies governing incident management • Incident urgency, impact and priority arbitrarily assigned • No single owner of the process • Existing tools are either inadequate or not used to full capabilities • Incident sources are not captured • Cannot determine whether all incidents are either reported or captured 	<ul style="list-style-type: none"> • Policies governing incident management are published and enforced • Incident management process is established and followed • Formal written procedures that are up-to-date and followed • Roles and responsibilities have been clearly defined and assigned • Incident urgency, impact and priority classes are clearly defined and used in a consistent manner • Incident lifecycle established • Incident sources are captured and documented • Key performance indicators for resolving incidents are employed and tracked (response and resolution targets based on urgency, impact and priority; first call resolution rates tracked) • Single point of process ownership • Hierarchical and functional escalation paths established • Incident resolution progress is monitored • Knowledgebase established and employed • Incidents with an unknown root cause are passed to problem management • Automated tool in place to support incident management and capabilities and functions are being properly used 	<ul style="list-style-type: none"> • Incident management process is aligned to ITIL framework • Interrelationships between and among other ITIL processes and functions are clearly defined and understood by all incident management roles • Clear interface between incident management and problem management (problem/known error database information available to incident management) • OLAs between and among other process areas and functions established • Incident lifecycle KPIs measured: <ul style="list-style-type: none"> ✓ total number of incidents ✓ average resolution time ✓ average resolution time, by priority ✓ averages resolved within SLAs ✓ percentage of incidents resolved by first-line support (without routing) ✓ number of incidents (or percentage) with initial incorrect classification ✓ number of incidents (or percentage) routed incorrectly • Procedures in place to manage incident backlogs • Incidents are correlated to changes • Clear interface between incident management and service level management • Integration of incident management tools and automated monitoring tools 	<ul style="list-style-type: none"> • Policies, procedures and process formally reviewed for continued applicability (on a set schedule; i.e., every six months) • Process monitored for gaps and inefficiencies • Costs per incident – by service – known and continuously tracked • Reconciliation of conflicting goals between incident and problem management • Complete alignment between incident and service level management • User satisfaction measured and tracked • Trend analysis of all KPIs and process parameters • Known costs of each incident by service broken out by CI and urgency 	<ul style="list-style-type: none"> • Incident management process continuously reviewed for improvement opportunities • Regression analysis applied to KPIs; gap analysis and root cause investigated when actual values are not equal to forecasts

	1- Ad Hoc	2 - Repeatable	3 - Defined	4 - Managed	5 - Optimizing
Problem management	<ul style="list-style-type: none"> No standardized problem management process exists Problem management procedures are ad hoc No formal, written standard procedures, or procedures are out of date or not followed Lack of, or unenforced policies governing problem management Root cause analysis is not performed on incidents that do not have a known root cause Known errors and workarounds are not published Organization does not distinguish between incidents and problems No single owner of the process Existing tools are either inadequate or not used to full capabilities 	<ul style="list-style-type: none"> Clear differentiation between incidents and problems – all incidents that cannot be resolved or have an unknown root cause trigger the problem management process Policies governing problem management are published and enforced Problem management process is established and followed Formal written procedures that are up-to-date and followed Roles and responsibilities have been clearly defined and assigned Problem classification criteria is established and employed (i.e., category, impact, urgency, priority & status) Single owner of process Problems are investigated to determine root cause Known errors and workarounds are documented and added to the knowledgebase Clear path of advancing problems to known errors RFCs are raised when applicable to resolve known errors Problem database is maintained and up to date Automated tools in place to support the problem management process with linkage between incident records and problem tickets. 	<ul style="list-style-type: none"> Problem management process is aligned to ITIL framework Interrelationships between and among other ITIL processes and functions are clearly defined and understood by all problem management roles Clear interface between problem management and incident management (problem/known error database information available to incident management) Problem management database is integrated with CMDB Known error elimination is tracked and weekly status reports of outstanding KEs, action taken to date and ETCs for each. Formal and structured analysis techniques are made a part of SOP and employed Recurring problems are tracked and analyzed for root causes 	<ul style="list-style-type: none"> Policies, procedures and process formally reviewed for continued applicability (on a set schedule; i.e., every six months) Process monitored for gaps and inefficiencies Trend analysis of problems fed to availability and capacity management Costs of problem management activities are known and are linked to CIs . 	<ul style="list-style-type: none"> Problem management process continuously reviewed for improvement opportunities Regression analysis applied to KPIs; gap analysis and root cause investigated when actual values are not equal to forecasts Proactive posture – MTBF data from availability management used to predict problems and proactively address them CIs with identified high incident or problem rates are flagged and analyzed to support financial, service continuity and availability management process goals
Change management	<ul style="list-style-type: none"> No standardized change management process exists Change management procedures are ad hoc No formal, written standard 	<ul style="list-style-type: none"> Policies governing change management are published and enforced Change management process is established and followed 	<ul style="list-style-type: none"> Change management process is aligned to ITIL framework Interrelationships between and among other ITIL processes and functions are clearly 	<ul style="list-style-type: none"> Policies, procedures and process formally reviewed for continued applicability (on a set schedule; i.e., every six months) 	<ul style="list-style-type: none"> Change management process continuously reviewed for improvement opportunities Regression analysis applied to KPIs; gap analysis and root

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	<p>procedures, or procedures are out of date or not followed</p> <ul style="list-style-type: none"> • Lack of, or unenforced policies governing change management • Changes are made without impact analysis and/or approval • No clear definition of what constitutes a change • Changes often require backouts or trigger incidents • No single owner of the process (change manager) • Lack of a CAB • Existing tools are either inadequate or not used to full capabilities 	<ul style="list-style-type: none"> • Formal written procedures that are up-to-date and followed • Roles and responsibilities have been clearly defined and assigned • A change manager has been assigned and is the process owner • A CAB is chartered and members identified • Changes are classified by type, priority and severity • Changes are assessed before submission to the CAB • CIs associated with RFCs are clearly identified • Changes are linked to incidents and problems • RFCs have clearly defined implementation, communication and backout plans • PIRs are performed when changes are made to resolve an incident, problem or known error, and when the change is backed out or deviates from the implementation plan • The CMBD is updated before the change is closed out • A centralized, automated change management tool is in use • KPIs are established and tracked. Example KPIs include: <ul style="list-style-type: none"> ✓ number of changes implemented in a period (overall and per CI-category) ✓ list of the causes of changes and RFCs ✓ number of successfully implemented changes ✓ number of back-outs and their reasons ✓ number of incidents related to 	<p>defined and understood by all change management roles</p> <ul style="list-style-type: none"> • Clear interface among change, release, configuration, incident and problem management • All process circumventions are visible • Additional KPIs are tracked, including: <ul style="list-style-type: none"> ✓ rate at which changes are implemented (aggregate and by CI) ✓ number of rejected changes • Graphing and trending of KPIs established • PIR lessons learned are published to promote process improvement 	<ul style="list-style-type: none"> • Process monitored for gaps and inefficiencies • Costs of changes known for each CI • Integration of change management tool and CMDB • Time values established for change implementations by CI to more accurately forecast implementation costs and schedules. 	<p>cause investigated when actual values are not equal to forecasts</p> <ul style="list-style-type: none"> • Analysis of problems and incidents triggering changes to determine opportunities for infrastructure improvement. • Proactively finding cost savings/avoidance opportunities in implementations by CI • Incorporation of known CI MTBF into predict problems and associated changes • Incorporation of capacity trending to predict changes

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		implemented changes			
Configuration management	<ul style="list-style-type: none"> No standardized configuration management process exists Configuration management procedures are ad hoc No formal, written standard procedures, or procedures are out of date or not followed Lack of, or unenforced policies governing configuration management No CMDB, or CMDB is inadequate Asset focus vs. CI focus No relationships between and among CIs defined or relationships are inaccurate or out of date Changes are made without updating CIs No Configuration Manager assigned CMDB, if it exists, is not useful to IT Service Continuity Management process and process owner 	<ul style="list-style-type: none"> Policies governing configuration management are published and enforced Configuration management process is established and followed Formal written procedures that are up-to-date and followed Roles and responsibilities have been clearly defined and assigned A configuration manager has been assigned and is the process owner CMDB has been established, populated and has proper relationships between and among CIs Clear distinction between assets and CIs. An asset repository, definitive hardware store (DHS) and definitive software library (DSL) have been established Control by the configuration manager is established by ensuring that the CMDB is always up-to-date, and that no CI is added, changed, replaced or removed without appropriate documentation (completed change request, invoices for new CIs, notification of retiring assets, etc.) CMDB is available to change management roles to assist in assessing changes CMDB is updated after every change CMDB has sufficient level of detail to support IT service continuity management 	<ul style="list-style-type: none"> Configuration management process is aligned to ITIL framework Interrelationships between and among other ITIL processes and functions are clearly defined and understood by all configuration management roles Clear interface among IT service continuity, change, configuration, incident and problem management Status monitoring and verification audits are performed There is a reconciliation procedure to managed rectify discrepancies among the CMDB, asset repository, DHS and DSL, and physical CIs The following KPIs, at a minimum, are tracked: <ul style="list-style-type: none"> ✓ delta report - number of observed differences between the CMDB and the actual infrastructure systems that were found during an audit. ✓ number unauthorized changes to CIs found during an audit. ✓ number of assets that could not be located during audits. ✓ number of CIs that could not be located during verification audits. ✓ Number of CIs that were discovered during an audit that did not match attributes recorded in the CMDB (i.e., wrong software license, different physical or logical location, different capacity, etc.) 	<ul style="list-style-type: none"> Auto-discovery and monitoring tools integrated into CMDB CI and asset lifecycle costs are tracked Configuration management tightly integrated with IT service continuity management and financial management 	<ul style="list-style-type: none"> Configuration management process continuously reviewed for improvement opportunities Regression analysis applied to KPIs; gap analysis and root cause investigated when actual values are not equal to forecasts MTBF established for each CI to support availability and financial management processes Incidents and problems associated with CIs analyzed to support reliability analysis by availability management, and TCO and vendor performance by financial management

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Release management	<ul style="list-style-type: none"> No standardized release management process exists Release management procedures are ad hoc No formal, written standard procedures, or procedures are out of date or not followed Lack of, or unenforced policies governing release management No Release Manager assigned No automated release tools to promote and release 	<ul style="list-style-type: none"> Policies governing release management are published and enforced Release management process is established and followed Formal written procedures that are up-to-date and followed Roles and responsibilities have been clearly defined and assigned A release manager has been assigned and is the process owner The release manager is a permanent member of the CAB Close integration with the configuration management process to assure that the DSL and DHS are up-to-date and accurate Established build and testing environments, and where applicable automated release tools are employed (i.e., Serena Mover, Microsoft SMS, etc.), and testing tools All releases are performed within the change management process All releases are tested Rollouts are planned and managed Post implementation validation is performed on all releases 	<ul style="list-style-type: none"> Release management process is aligned to ITIL framework Interrelationships between and among other ITIL processes and functions are clearly defined and understood by all release management roles Clear interface between release and change management All process circumventions are visible Releases are packaged whenever possible 	<ul style="list-style-type: none"> Tracking the following KPIs and quality metrics: <ul style="list-style-type: none"> ✓ number of discrepancies discovered in release notes, build analysis, installation manual(s) and/or defects in media or equipment during release process ✓ time in minutes that maintenance window is exceeded during the release process ✓ number of post release incidents reported within 48 hours of release ✓ number release back-outs required Release management KPIs and metrics are used to improve CI sources (i.e., development, technical teams and architects, vendor management) Release management KPIs are aligned to service level management 	<ul style="list-style-type: none"> Release management process continuously reviewed for improvement opportunities Regression analysis applied to KPIs; gap analysis and root cause investigated when actual values are not equal to forecasts Continuously evaluating new tools and techniques for quality, build and release activities Forecasting the impact of new releases to availability and capacity management (i.e., network bandwidth, memory, CPU cycles, etc.). Analysis and trending of post release incidents, problems and changes to predict support and financial ramifications
Capacity management	<ul style="list-style-type: none"> No standardized capacity management process exists Capacity management procedures are ad hoc No formal, written standard procedures, or procedures are 	<ul style="list-style-type: none"> Policies governing capacity management are published and enforced Capacity management process is established and followed Formal written procedures that 	<ul style="list-style-type: none"> Capacity management process is aligned to ITIL framework Interrelationships between and among other ITIL processes and functions are clearly defined and understood by all 	<ul style="list-style-type: none"> Modeling and advanced analytical techniques employed to predict capacity impacts caused by new systems and releases Discovery and monitoring 	<ul style="list-style-type: none"> Capacity management process continuously reviewed for improvement opportunities Regression analysis applied to KPIs; gap analysis and root cause investigated when actual

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	<p>out of date or not followed</p> <ul style="list-style-type: none"> • Lack of, or unenforced policies governing capacity management • No Capacity Manager assigned or capacity management is decentralized • Capacity is not aligned to cost justification • Addressing capacity is reactive • No automated capacity management tools 	<p>are up-to-date and followed</p> <ul style="list-style-type: none"> • Roles and responsibilities have been clearly defined and assigned • A capacity manager has been assigned and is the process owner • Capacity requirements are tied to financial management (cost justification) and are based on availability and service level management • Performance management and application sizing are integrated into capacity planning and management • There are established methods for determining capacity requirements (i.e., vendor release notes, applications and systems technical manuals that give sizing requirements, and internally-developed or commercial tools) • Automated tools are used to monitor capacity metrics • A capacity database is established • Capacity plan is maintained • KPIs employed: <ul style="list-style-type: none"> ✓ expected increase/decrease of the capacity utilization in the short term and long term ✓ thresholds that, when reached, will require the acquisition of additional capacity. 	<p>capacity management roles</p> <ul style="list-style-type: none"> • Clear interface among capacity, availability, financial and service level management • Capacity is differentiated among business, service and resource and each managed • Clear understanding of business, technical and operational drivers that affect capacity • CMDB is integrated with (or interfaced to) capacity database • Capacity management tools can send automatic alerts to the incident management tool to automatically open tickets • Close coordination between capacity manager and process and availability manager and process • KPIs employed: <ul style="list-style-type: none"> ✓ discrepancies between the actual and planned capacity utilization ✓ trends in the discrepancies ✓ impact on service levels 	<p>tools are integrated</p> <ul style="list-style-type: none"> • Capacity costs are proactively managed through modeling and prediction • Continuously keeps abreast of emergent technologies that improve capacity at a lower cost 	<p>values are not equal to forecasts</p> <ul style="list-style-type: none"> • Internal technology and business trends are monitored to forecast capacity based on predicted customer demand • Demand is accurately forecasted and met • Continuous service improvement plan in effect
Availability management	<ul style="list-style-type: none"> • No standardized availability management process exists • Availability management procedures are ad hoc • No formal, written standard procedures, or procedures are out of date or not followed • Lack of, or unenforced 	<ul style="list-style-type: none"> • Policies governing availability management are published and enforced • Availability management process is established and followed • Formal written procedures that are up-to-date and followed 	<ul style="list-style-type: none"> • Availability management process is aligned to ITIL framework • Interrelationships between and among other ITIL processes and functions are clearly defined and understood by all availability management roles 	<ul style="list-style-type: none"> • MTBF, MTTR and MTBSI are known for every CI • Understanding and quantification of the costs of unavailability • Analysis of incident and problem records to determine threats to availability 	<ul style="list-style-type: none"> • Availability management process continuously reviewed for improvement opportunities • Regression analysis applied to KPIs; gap analysis and root cause investigated when actual values are not equal to forecasts

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	<p>policies governing availability management</p> <ul style="list-style-type: none"> • No Availability Manager assigned or availability management is decentralized • Availability is not aligned to service level management • Disconnect between IT service continuity and availability management • Addressing availability incidents is reactive • No automated availability management tools 	<ul style="list-style-type: none"> • Roles and responsibilities have been clearly defined and assigned • An availability manager has been assigned and is the process owner • Reliability, serviceability and maintainability are addressed • Service level management governs the process • Automated tools are in place to monitor availability and send alerts to incident management and open tickets • System outage analysis is performed for every instance of an outage • KPIs: <ul style="list-style-type: none"> ✓ detection times ✓ response times ✓ repair times ✓ recovery times ✓ aggregate availability statistics ✓ percentage availability (uptime) per service or group of users 	<ul style="list-style-type: none"> • Clear interface among capacity, IT service continuity, financial and service level management • Vital business functions clearly defined and methods to assure their availability implemented • Provides recovery criteria to IT service continuity management • Serves on CAB to ensure that RFCs will not adversely affect availability • Establishes availability patterns for IT architecture to ensure that the correct infrastructure availability posture is maintained (resilience, fault-tolerance, continuous operations, etc.) • Proactively identifying and managing single points of failures • Clearly defined availability plan is in place • Uses advanced techniques, such as Component Failure Impact Analysis, Fault Tree Analysis, and CCTA Risk Analysis and Management Method to discover availability vulnerabilities and to model reliability. 	<ul style="list-style-type: none"> • Closely monitors business requirements and SLAs to ensure that availability management anticipates requirements • Modeling availability using tools and advanced techniques • Cost-effectively managing maintenance • Employment of technical observation posts for all vital business functions that cannot be otherwise monitored through automation or because of unresolved problems that affect availability 	<ul style="list-style-type: none"> • Proactive preparations for faults based on MTBF and MTBSI statistics (ability to accurately forecast faults and minimize the MTTR) • Actively engaged in reducing MTTR for CIs that support vital business functions
Service continuity management	<ul style="list-style-type: none"> • No standardized service continuity management process exists • service continuity management procedures are ad hoc • No formal, written standard procedures, or procedures are out of date or not followed • Lack of, or unenforced 	<ul style="list-style-type: none"> • Policies governing service continuity management are published and enforced • Service continuity management process is established and followed • Formal written procedures that are up-to-date and followed • Roles and responsibilities have been clearly defined and 	<ul style="list-style-type: none"> • Service continuity management process is aligned to ITIL framework • Interrelationships between and among other ITIL processes and functions are clearly defined and understood by all service continuity management roles • Clear interface among 	<ul style="list-style-type: none"> • Understanding and quantification of the costs of outages to each service supporting a vital business function • Understanding and quantification of costs associated with outages from the perspectives of: <ul style="list-style-type: none"> ✓ regulatory compliance 	<ul style="list-style-type: none"> • Service continuity management process continuously reviewed for improvement opportunities • Regression analysis applied to KPIs; gap analysis and root cause investigated when actual values are not equal to forecasts • Continuous service

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	<p>policies governing service continuity</p> <ul style="list-style-type: none"> No service continuity manager assigned or service continuity management is assumed to be under the purview of BCP/DR No cross-functional awareness of service continuity initiatives No prioritization of services to be recovered Service continuity is not aligned to service level management Disconnect between IT service continuity and availability management No version control tool to manage service continuity plans and documents 	<p>assigned</p> <ul style="list-style-type: none"> A service continuity manager has been assigned and is the process owner All stakeholders have visibility into the service continuity process Vital business functions have been identified and used as a basis for service recovery Service level requirements from SLAs, and [any] regulatory requirements are used as a basis for business impact analyses Risk assessments and business continuity strategies are in place for all services supporting vital business functions Detailed recovery plans are in place for services that support vital business functions Version control tool exists to manage all plans and related documents 	<p>availability, capacity, financial and service level management</p> <ul style="list-style-type: none"> Changes to availability and capacity plans, or SLAs trigger updates to recovery plans CMDB continuously monitored for changes to CIs that are associated with services supporting vital business functions Serves on CAB to ensure that RFCs will not adversely affect service continuity or recoverability Recovery plans and procedures are reviewed and audited on a scheduled basis Manages ongoing training and awareness KPIs established and tracked 	<ul style="list-style-type: none"> ✓ loss of customers or customer goodwill ✓ loss of market share ✓ loss of revenue Closely monitors business requirements and SLAs to ensure that service continuity management anticipates requirements Recovery plans and procedures are live tested on a scheduled basis KPIs refined and tracked 	<p>improvement initiative in place</p> <ul style="list-style-type: none"> Uses analytical modeling tools to develop and model recovery scenarios Recovery scenarios live tested
Financial management	<ul style="list-style-type: none"> No standardized financial management process exists financial management procedures are ad hoc No formal, written standard procedures, or procedures are out of date or not followed Lack of, or unenforced policies governing financial management No financial manager assigned or financial management activities are focused on budget management Accounting, other than budget management, and charging strategies are not used No knowledge of the total cost 	<ul style="list-style-type: none"> Policies governing financial management are published and enforced Financial management process is established and followed Formal written procedures that are up-to-date and followed Roles and responsibilities have been clearly defined and assigned A financial manager has been assigned and is the process owner Budgeting and accounting techniques, and changing strategies are employed Total costs to support or deliver a service are known 	<ul style="list-style-type: none"> Financial management process is aligned to ITIL framework Interrelationships between and among other ITIL processes and functions are clearly defined and understood by all financial management roles Total costs of ownership are known for each service Underpinning contracts and associated payments are routinely audited Costs of compliance known and factored into total costs of ownership If charge backs are used a P&L is established Costs for each service unit are 	<ul style="list-style-type: none"> Established time values in place for frequently performed activities Activity based cost management employed Cost benefit analysis uses NPV as a key factor SLAs incorporate value-based charges (if charge back is used) Business has visibility into financial management process, including all cost drivers associated with delivery or support of a service Uses budget forecast accuracy KPI that is within statistical control and monitored using 	<ul style="list-style-type: none"> Financial management process continuously reviewed for improvement opportunities Regression analysis applied to KPIs; gap analysis and root cause investigated when actual values are not equal to forecasts Continuous analysis of cost drivers to find cost elimination or avoidance opportunities Modeling and forecasting of key cost drivers

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	<p>to support or deliver a service</p> <ul style="list-style-type: none"> Makes acquisitions or expenditures without a quantifiable cost benefit Acquisitions or expenditures not traceable to business requirements Tools are non-existent or based on individually or group developed spreadsheets and ledgers 	<ul style="list-style-type: none"> Cost benefit analysis performed for each acquisition or expenditure over a defined threshold Acquisitions and expenditures are made to support identified business requirements Charge backs, if used, are regularly audited Basic KPIs established (i.e., allocated vs. actual, over- and under-runs, number of times supplemental funding needed) Standardized tools are employed 	<p>provided in the service catalog</p> <ul style="list-style-type: none"> Additional KPIs established (examples: earned value for project-based activities, validating cost/benefit assumptions after an acquisition or expenditure has been made and is incorporated into the service suite) 	<p>X-Bar/R chart</p> <ul style="list-style-type: none"> Input into renewal or exercise of additional option years of underpinning contracts to eliminate or avoid cost overruns and scope creep Completely aligned to all regulatory requirements Formal governance of all acquisitions and expenditures over a defined threshold 	
Service level management	<ul style="list-style-type: none"> No standardized service level management process exists Service level management procedures are ad hoc No formal, written standard procedures, or procedures are out of date or not followed Lack of, or unenforced policies governing service level management Business unhappy with, or neutral about, level of service provided Lack of SLAs or SLAs not based on service specifications and service level requirements jointly developed with customer SLAs from each process area presented to customers No operational level agreements between and among process areas and functions Lack of, or wrong, KPIs Vital business functions unknown or not adequately addressed Management by personality 	<ul style="list-style-type: none"> Policies governing service level management are published and enforced Service level management process is established and followed Formal written procedures that are up-to-date and followed Roles and responsibilities have been clearly defined and assigned A service level manager has been assigned and is the process owner SLAs are negotiated with each customer based on: <ul style="list-style-type: none"> ✓ service level requirements ✓ service level specifications ✓ service quality plan A service catalog is established and kept up to date OLAs are established between and among each process area and function associated with an SLA to assure service levels are delivered per agreement When a service is provided that is based wholly on an 	<ul style="list-style-type: none"> Service level management process is aligned to ITIL framework Interrelationships between and among other ITIL processes and functions are clearly defined and understood by all service level management roles Ongoing review of operational level agreements, underpinning contracts and service level agreements to ensure that all terms, conditions, requirements and specifications continue to reflect valid business needs Customers have visibility into the service level management process Performance scorecard for each process area or function covered by an OLA developed and employed 	<ul style="list-style-type: none"> Service improvement program established Customer satisfaction measured Vendor scorecards employed Cost for each service catalog unit is known Reporting to customer contains line item showing value of service level delivered Active involvement in RFI/RFP process, and contract negotiations when underpinning contracts affect service level management Underpinning contracts are results based with penalty clauses Anticipates new business requirements TQM techniques employed 	<ul style="list-style-type: none"> Service level management process continuously reviewed for improvement opportunities Regression analysis applied to KPIs; gap analysis and root cause investigated when actual values are not equal to forecasts Service quality board established with partnership between service level manager and customer SIP in continuous improvement mode based on 6-Sigma

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	instead of process	<p>underpinning contract the service level manager uses service level requirements and specifications as the basis for contract negotiation and contract management</p> <ul style="list-style-type: none"> • SLAs governing vital business functions are identified and managed at a high priority • All KPIs associated with an SLA are monitored and reported as agreed to in the SLA and service quality plan • SLA governs the IT/customer relationship 			
Service Desk (Function)	<ul style="list-style-type: none"> • No governing service desk process exists (i.e., incident management) • No formal, written standard procedures, or procedures are out of date or not followed • Lack of, or unenforced policies governing service desk • Service desk is not always the initial point of contact within the organization for service requests or error reports – customers often go around the service desk to ‘get things done’ • Tools are not aligned to ITIL Service desk function or key processes such as incident management • Service desk assumes default ownership of incident management (problematic when the service desk model is a distributed service desk) 	<ul style="list-style-type: none"> • Policies governing service desk are published and enforced • Service desk is governed by a process or processes (at a minimum by the incident management process) • Formal written procedures that are up-to-date and followed • Roles and responsibilities have been clearly defined and assigned • A service desk manager has been assigned and is the function owner • Provides monitoring and reporting of the attainment of all service level requirements associated with governing processes are met (i.e., if an SLA contains a requirement that an outage to a service supporting a vital business function is resolved in 4 hours or less then the service desk would report the unfulfilled requirement) • Establishes basic KPIs (i.e., time to answer, number of 	<ul style="list-style-type: none"> • Interrelationships between and among ITIL processes and the service desk function are clearly defined and understood • Service desk performance is included in SLAs • Customer satisfaction surveys are conducted, compiled and reported • Customer self-service is implemented (i.e., service requests can be directly opened by customers using email integration, web based forms or other methods) 	<ul style="list-style-type: none"> • Service improvement program implemented • Incidents are correlated with changes • Incidents are not closed without customer concurrence (although they may be marked as completed) • If the service desk is also governed by the change management process changes are not closed until PIRs have been completed 	<ul style="list-style-type: none"> • Regression analysis applied to KPIs; gap analysis and root cause investigated when actual values are not equal to forecasts • SIP in continuous improvement mode based on 6-Sigma

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		incidents incorrectly assigned, number of first call resolutions) <ul style="list-style-type: none"> Tools used by the service desk support the processes that govern the service desk 			