Guideline for Engineering Consultancy Grades

Process [.-ING]'s company policy of grades and a helpful tool for managers, engineering professionals, and human resource professionals

SSMENT			LEVEL OF PROFESSIONAL DEV	/ELOPMENT AND ADVANCEMENT IN	ENGINEERING, TECHNOLOGY, AND N	IANAGEMENT CONSULTANCY (*)		
ERIA	Grade I	Grade II	Grade III	Grade IV	Grade V	Grade VI	Grade VII	Grade VIII
Core competencies	(+)Acquires limited knowledge and develops basic skills in basic engineering and equipment qualification works. (+)Applies prescribed techniques and procedures in accordance with established criteria to perform assigned tasks. (+)Performs routine engineering and qualification work which does not require previous experience. (+)Acquires an understanding of professional and ethical responsibilities.	(+)Acquires basic knowledge and develops skills in a specific practice area of extended Basic Engineering, systems / equipment qualification work, and advanced validation methods. (+)Applies standard techniques, procedures, and criteria to perform assigned tasks as part of a broader assignment. (+)Exercises limited judgment on details of work and in application of standard methods for conventional work.	(+)Develops broad knowledge and skills in practice area extended Basic Engineering, Systems / Equipment Qualification. (+)Evaluates, selects, and applies standard techniques, procedures, and criteria to perform a task or sequence of tasks for Advanced Validation Methods, and Process Optimization in conventional projects with some complex features. (+)Collaboratively uses judgment to determine adaptations in methods for nonroutine aspects of assignments. (+)Works on small projects or portions of larger projects like Engineering, Procurement, Construction Management & Validation projects.	(+)Applies broad knowledge of principles and practices in a specific practice area. (+) independently evaluates, selects, and adapts standard techniques, procedures, and criteria of advanced process validation methods and process optimization. (+) Acquires general knowledge of principles and practices of related fields of primary and secondary manufacturing as well as medical devices, and ability to function on multidisciplinary teams. (+) Works on multiple projects of moderate size or portions of major projects.	(+)Applies a thorough knowledge of current principles and practices of design, engineering, and validation as related to the variety of aspects affecting his or her organization. (+)Applies knowledge and expertise acquired through progressive experience to resolve crucial issues and/or unique conditions. (+)Keeps informed of new methods and developments affecting his or her organization, and recommends new practices or changes in emphasis of programs. (+)Works on programs of limited complexity and scope.	(+)Independently applies extensive and diversified knowledge of principles and practices in broad areas of assignments and related fields. (+)Uses advanced techniques in the modification or extension of theories and practices of sciences and disciplines to complete assignments. (+)Works on a major project or several projects of moderate scope with complex features.	(+)Uses creativity, foresight, and mature judgment in anticipating and solving unprecedented problems. (+)Makes decisions and recommendations that are authoritative and have an important impact on extensive organizational activities. (+)Sets priorities and reconciles directions from competing interests. (+)Works on programs with complex features.	(+)Makes decisions with broad influent the activities of his or her organizati (+)Makes authoritative decisions and recommendations that are conclusis have a far-reaching impact on the organization. (+)Demonstrates a high degree of crea foresight, and mature judgment in planning, organizing, and guiding extensive programs and activities of consequence.
Technical / operational responsibilities	(+)Collects data and gathers information or documents. (+)Performs standard computations or analysis. (+)Prepares drawings and visual aids. (+)Observes construction activities. (+)Performs basic survey work.	(+)Performs basic design tasks. (+)Assists on other tasks such as: preparation of permit applications, material testing, drawings, and computeraided design (CAD) work.	(+)Performs moderate design tasks. (+)Prepares portions of project documents. (+)Edits specifications. (+)Performs research and investigations.	(+)Designs a complete project, system, or process. (+)Prepares complete project documents. (+)Designs and conducts experiments, and analyzes and interprets data. (+)Formulates and solves problems	(+)Reviews complete project documents for conformity and quality assurance. (+)Develops new techniques and/or improved processes, materials, or products. (+)Assists upper level management and staff as a technical specialist or advisor.	(+)Serves as the technical specialist for the organization in the application of advanced concepts, principles, and methods in an assigned area. (+)Keeps informed of new developments and requirements affecting the organization for the purpose of recommending changes in programs or applications. (+)Interprets, organizes, executes, and coordinates assignments.	(+)Develops standards and guidelines. (+)Leads the organization in a broad area of specialization or in a narrow but intensely specialized field.	(+)Performs advisory or consulting wo the organization for broad program or an intensely specialized area with innovative or important aspects.
Managerial responsibilities	(+)No managerial responsibilities at this level.	(+)Assigns tasks to and coordinates with technicians or administrative staff.	(+)Assigns tasks to and coordinates work with entry-level engineers, technicians, or administrative staff. (+)Assists in determining schedule and budget requirements.	(+)Assigns tasks to and directs engineers, technicians, and administrative staff. (+)Plans and coordinates detailed aspects of the engineering work. (+)Prepares scopes, budgets, and schedules for assignments. (+)Assists with proposals to provide professional services or obtain funding for engineering projects or programs.	(+)Supervises all staff necessary to complete assignments. (+)Reviews and approves scopes, budgets, and schedules for assignments. (+)Prepares proposals to provide professional services or obtain funding for engineering projects or programs.	(+)Supervises a staff of engineers and technicians. (+)Plans, schedules, or coordinates the preparation of documents or activities for multiple major projects, or is responsible for an entire program of an organization. (+)Reviews operational procedures to ensure compliance with applicable policies and performance measures.	(+)Supervises several organizational segments or teams. (+)Recommends facilities, personnel, and funds required to carry out programs. (+)Oversees the technical, legal, and financial issues of an entire program. (+)Determines program objectives and requirements. (+)Develops standards and guidelines.	(+)Leads an entire program of critical importance. (+)Decides the kind and extent of engineering and related programs of accomplishing the objectives of organization.
Collaboration and received direction	(+)Receives close supervision on all aspects of assignments.	(+)Receives close supervision on unusual or difficult problems, and general review of all aspects of work.	(+)Receives instruction on specific objectives. (+)Receives direction on unconventional and/or complex problems, and possible solutions. (+)Receives a thorough review of completed work for application of sound professional judgment.	(+)Receives general direction on key objectives. (+)Receives guidance when necessary on unconventional or complex problems, direction on modified techniques, and new approaches on assignments with conflicting criteria.	(+)Receives supervision and guidance relating to overall objectives, critical issues, new concepts, and policy matters. (+)Receives direction on unusual conditions and developments	(+)Receives administrative supervision with assignments given in terms of broad general objectives and limits.	(+)Receives administrative supervision with assignments given in terms of broad general objectives and limits.	(+)Receives general administrative di from a board of directors or region council.
Communication Skills	(+)Possesses basic oral and written communication skills. (+)Interacts with other staff.	(+)Interacts with staff and contractors.	(+)Possesses effective oral and written communication skills. (+)Assists with client, customer, or official contacts and communication pertaining to specific assignments or meetings.	(+)Interacts with clients, customers, officials, contractors, and others. (+)Attends project meetings and presents specific aspects of engineering assignments.	(+)Possesses advanced oral and written communication skills. (+)Represents the organization in communications and conferences pertaining to broad-aspects of engineering assignments.	(+)Routinely interacts with clients, customers, officials, contractors, and others. (+)Leads project meetings and makes presentations. (+)Represents the organization and maintains liaison with individuals and related organizations.	(+)Possesses exceptional oral and written communication skills. (+)Routinely interacts with organization leaders, clients, customers, officials, contractors, and others. (+)Initiates and maintains extensive contacts with key engineers and officials, or other organizations and companies. (+)Demonstrates skills in persuasion and negotiation of critical issues.	(+)Negotiates critical and controvers issues with top-level engineers and officers of other organizations and companies. (+)Conducts presentations and may participate in media interviews. (+)Represents his or her organization important functions or conference including media interviews as requ
Community activities	(+)Member of professional practice organization.	(+)Member of professional practice organization, member of local program or committee.	(+)Member of professional practice organization	on, chair of local program or committee.	(+)Preparation and publication of white pape (+)Member of professional practice organizat technical or policy committee member.	rs. ion, national board member or officer, national	(+)Member of professional practice organization, national board member or officer, recognized expert on statewide activity, resource for national activities and organization.	(+)Member of professional practice organization, recognized expert on national activity or spokesperson f profession.
education & certification	(+)Bachelor's degree in science or engineering from an accredited program.	(+)Participation in Master Studies / Master Cla (+)Bachelor's degree in science or engineering		(+)Successfully completion of relevant Master Classes. (+)Engaged in life-long learning to maintain knowledge of contemporary issues. (+)Master's degree or equivalent.	(+)Tutor, module instructor, individual doctorate. (+)Supervises bachelor theses. (+)Successfully completion of relevant Master Classes. (+)Engaged in life-long learning to maintain knowledge of contemporary issues. (+)Master's degree or equivalent.	(+)Module instructor, Lecurer at university, (+)Supervises master and examine bachelor ti (+)Design and organization of Master Classes, (+)Engaged in life-long learning to develop kn (+)Master's degree, Ph.D. or equivalent.		(+)Lecurer at university. (+)Examine master's theses and sup- doctoral dissertations. (+)Design and organization of Master Classes. (+)Engaged in life-long learning to m- knowledge of contemporary issue- (+)Master's degree or equivalent / Do- for faculty.
Hands-on Practice	(+)Freshman, without practical experience. (+)Probation period.	(+)Practice oriented vocational practice. (+)Initial project experience. (+)One year of practice	(+)Practice oriented vocational and hands- on trainings. (+)Diverse project related assignements. (+)One or two years of professional practice.	(+)Diverse project related assignements with deep insight practice. (+)Two to four years of practice.	(+)Practical experience over the complete project and project management life cycle. (+)Diwerse project related assignements with deep insight practice.	(+)Deep experience over the complete project and project management life cycle. (+)Multitude project related assignements with deep insight practice.	(+)Project Sponsor / Project Ownership. (+)Deep experience over the complete project and project management life cycle. (+)Multitude project related assignements with deep insight practice.	(+)Project Sponsor / Project Ownersh (+)Deep experience over the complete project and project management li cycle. (+)Multitude project related assigner with deep insight practice.

(+)Process Engineering Professional. (+)Associate Systems Engineer. (+)Project Engineering Professional. (+)Associate Consultant. (+)Senior Analyst. (+)Tutor.

(+)Principal Engineer / Subject Matter Expert. (+)Senior Engineering / Validation Manager. (+)Project Management Professional. (+)Principal Consultant. (+)Junior Partneer. (+)Professor / Lecturer.

(+)Qualified Consulting Expert. (+)Program / Portfolio Management Professional. (+)Vice President. (+)Director / Managing Partner.

(+)Senior / Lead Process Engineering Professional. (+)Lead Process Engineering Professional. (+)Lead Project Engineering Professional. (+)Engineering / Qualification Manager. (+)Associate Consultant. (+)Associate Consultant.

er's degree or equivalent / Doctorate aculty.							
ect Sponsor / Project Ownership. Dexperience over the complete ect and project management life itude project related assignements deep insight practice.	ENGINEER	NG]	Process [-ING] GmbH Consultancy & Project Management Design, Engineering & Validation Project Campus Rheingau-Taunus Am Frauwald 5 65510 Idstein / Ts. (Germany)				
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