

PREPARATION FOR THE CLASS

This covers the Education and Experience factors contained in the class specifications as to minimum qualifications necessary to insure minimum proficiency and preparation to perform the duties of a class at the time of appointment.

1.1 <u>EDUCATION FACTOR</u>: evaluates the knowledge, information and mental development required in a class which is normally obtained through formal education. This will include such matters as a particular degree requirement (Business Administration, Engineering, Social Work, Medical); specific educational subjects or courses (geometry, physics, accounting, geology, economics); or level of formal education which would signify certain mental development or potential for performance, training or mental ability to learn and apply (high school, college, special graduate training).

But, this would not include responsibilities that would be part of the class duties, mental skill of application, initiative, ingenuity or knowledge or skill requirements of typing, stenographic, key punch, welding, mechanical ability which can be obtained through formal educational methods, but which are normally or can be learned through self-help, job training or apprenticeship.

DETERMINATION OF DEGREES: Select the degree definition which expresses the number of years and type of education appropriate to the class.

1	2	3	4	5	6	7	8	9	10	11	12
15 points	25 points	40 points	60 points	90 points	130 points	150 points	170 points	195 points	220 points	255 points	290 points
Base points- no educational requirement to 8th grade	E lementary School-8th grade com- pletion or equivalent	2 years of high school	graduation or equivalent or trade school graduation	collegé, but not 4 yrs. of col- lege or specialized training beyond High School or	equivalent or formal training and board certification	yr. of grad- uate work or a 5 yr. college program re- quirement for graduation or 1 yr. of resi- dency or intern- ship beyond college (Dieti- cian, Occup- ational Ther-	2 yrs. of Grad- uate study. Master's de- gree or 6 yr. College pro- gram for grad- uation (Veter- inarian) or board certifi- cation of ad- vanced pro- fessional stand- ing (C.P.A., Registered Pro- fessional En- gineer)		PhD Degree	Dentist Degree	Medical Doc- tor's degree plus internship

1.2 <u>EXPERIENCE FACTOR</u>: Evaluates the knowledge, skill and mental development required by a class in addition to that normally obtained through formal education. This additional knowledge, skill and mental development is usually acquired by previous work experience and represents the minimum time required to adapt or the application of the knowledge, skill and mental development obtained by job performance, self training or apprenticeship.

Prerequisite skill, involving physical or manual dexterity or proficiency such as typing, stenographic, key punch, in lieu of experience of a specific duration would be considered as would licenses, certificates or other documents which denote the possession of abilities or proficiencies as attested to through the issuances of the same by a governmental body, association or other group employing acceptable and impartial standards such as a driver's license, barber's license, x-ray training certification; or, the completion of an approved term of apprenticeship as generally recognized, such as carpentry, masonry, would be included as substitution is allowed.

DETERMINATION OF DEGREES: Select the most applicable sub-factors and degree which represents the total number of years or substitution appropriate to the class.

	1	2	3	4	5	6	7	8	9	10	11	12
SUB-FACTORS	5 Points	10 Points	20 Points	35 Points	55 Points	80 Points	110 Points	150 Points	200 Points	260 Points	340 Points	440 Points
Manual & Semi-Skilled	6 months ex- perience	1 year to 2 years	2 years to 3 years	3 years to 5 years								
Clerical & Office Machines Classes	6 months experience or course or skill perf.	1 year to 2 years	2 years to 3 years	3 years to 5 years	5 years to 7 years	Over 7 years						
Trades and Crafts Classes and Skilled	6 months ex- perience or license	1 year to 2 years	2 years to 3 years	3 years to 4 years	4 years to 6 years	6 years to 8 years	Over 8 years					
Sub-Professional and Technical Classes			1 year to 2 years	2 years to 3 years	3 years to 5 years	5 years to 7 years	7 years to 9 years	Over 9 years				
College Graduation or Training Board Cer- tification (Nursing)			1	1 year to 2 years	2 years to 4 years	4 years to 6 years	6 years to 8 years	8 years to 10 years	Over 10 years			
Master's Degree or College plus 1 or 2 years of Graduate Study or 6 year program	1				1 year to 3 years	3 years to 5 years	5 years to 7 years	7 years to 9 years	9 years to d 10 years	Over 10 years		
PhD Degree or Col- lege plus 3 or more years of graduate or graduate level study						l year to 3 years	3 years to 5 years	5 years to 7 years	7 years to 9 years	9 years to 10 years	Over 10 years	
Dental Degree					-	l year to 2 years	2 years to 4 years	4 years to 6 years	6 years to 8 years	8 years to 9 years	Over 9 years	
Medical Doctor's Degree							1 year to 3 years	3 years to 5 years	5 years to 7 years	7 years to 8 years	8 years to 10 years	Over 10 years







RESPONSIBILITIES OF THE CLASS

By definition, the term responsibility imposes accountability or answerability - it is an obligation which is imposed on an incumbent, in a class, to see that certain duties and tasks, functions or objectives, assigned to the class, are accomplished; the importance of such obligations, as to degree, is the determinent. The various sub-factors of specific responsibility, to be defined later, under the over-all factor of responsibility, measures the relationship for judgment exercised, latitude of decision making, activity performance, effect and consequences of loss, damage, saving, improvements, etc., to the importance of the specific and the whole. The difficulty involved in any responsibility, as to job complexity, is not considered, but is measured under PERSONAL DEMANDS. No credit for specific responsibility is given unless such is a regular, direct and usual function of the class - functional, temporary or occasional responsibility is measured only by this definition. Credit is given to a class under different specific responsibility wherever it applies directly and is a primary duty of the class. However, it will be found that few, if any classes, will have credit for all specific responsibility factors; where found, the degrees will vary widely.

- 2.1 <u>RESPONSIBILITY FOR SUPERVISION EXERCISED</u>: This factor evaluates the responsibility vested in the class for supervising the work of other employees. It does not refer to "functional" guidance on a temporary basis, control for purposes of safety, training programs, referral, counseling, indoctrination, selection (initial), general welfare or similar activities which are evaluated under POLICIES, METHODS AND PROCEDURES. It refers to, and is limited by, the responsibility which the class imposes upon incumbents to direct and control the activities of subordinates in a direct or recognized line of authority in such matters as the assignment of work, approval of work, job training or work instruction, handling of subordinates' grievances or complaints, morale, and the recommendation of, or conductance of, activities affecting the tenure, promotion, salary, etc., of other employees. Degrees would depend on losses, savings, or accomplishment affected by the elements of:
 - 1. What instructions or guidance does the person receive as to what work is to be done and how to do it.
 - 2. What decisions are permitted to the person without reference to higher authority.
 - 3. What part of the person's work is checked by others.
 - 4. Number of persons supervised.
 - 5. Scope and caliber of work performed.

DETERMINATION OF DEGREE: The degrees are expressed in terms of total number of employees supervised, supervision exercised or the type of organizational unit administered. Select the most applicable sub-factors and degree in terms of importance.

SUB-FACTORS	1 15 Points	2 35 Points	3 60 Points	4 90 Points	5 130 Points	6 180 Points	7 240 Points	8 310 Points
Preponderant number of employees engaged in clerical, office ma- chines, manual or draft work	Limited to making work assignments to small groups performing routine work; may check or review work performance; nor- mally performs same operations as those super- vised 50% or more of the time; 2-7 employees supervised average	Immediate super- vision over a work unit in which oper- ations are routine or performed in ac- cordance with es- tablished proced- ures for work plan- ning, review and personnel. More than 50% of time spent on super- visory duties. 2-15 employees super- vised average or degree #1, 7-20 employees super- vised	Degree #2 in super- vision of 16-50 ployees or (a) im- mediate super- vision over a work unit in which op- erations are varied or diversified in- volving 2-15 em- ployees supervised average	General super- vision of 50-150 employees or Degree 3 (a) General super- vision over 16- 50 employees or Supervision in which some em- ployees being supervised as- sume responsi- bility and may make work as- signments to others	Supervision of over 150 employees or degree 3 (a) super- vision of 50-150 employees (b) De- gree #4 Subordinate supervisors will make work assign- ments to others.			
Preponderant number of employees engaged in scientific tech- nical, professional and craft	L eadman	Limited to making work assignments to small groups performing routine work; may check or review work performance; nor- mally performs same operations as those super- vised 50% or more of the time 2-7 employees supervised average	Immediate super- vision over a work unit in which op- erations are rou- tine or performed in accordance with established pro- cedure for work planning, review and personnel. More than 50% of time spent on supervisory duties. 2-15 employees supervised average.	Degree 3 in super- vision of 16-50 employees or (a) supervision over a work unit in which operations are varied or com- plex involving 2-15 employees supervised average	Supervision of 50- 150 employees or Degree 4 (a) super- vision of 16-50 employees (b) Supervision in which some em- ployees being supervised assume responsibility and may make work as- signments to others.	Supervision of over 150 employees or Degree 4 (a) super- vision of 50-150 employees; or De- gree 5 (b) Subor- dinate supervisors will make work as- signments to others or (c) A specialized professional unit of moderate size and intra related action.		

Administrative control	Supervision of one	Degree 3 medium	General Supervision			Administrative di
f both professional		sized units; or ad-			rection and co-	rection and contro
and/or non-profession- al employees	or institution in which operations are performed in accordance with established pro- cedures and methods. or Administrative Con-	ministrative con- trol over a small agency where operations are varied or diversi- fied.	of an agency or institution of med- ium or large size in which opera- tions are performed in accordance with established pro- cedures and met- hods; or, degree 4 where operations	a major function of a large or medium sized agency typical of degree 5 or more than one medium to small sized units of a large agency	ordination of sev- eral small or one large functional unit; or one med- ium size agency or institution	of a complete pro gram with severa large functional units; or control of a large institu tion or agency
	trol over a small agency of limited scope or calibre.		are varied and di- versified and allow general responsi- bility for decisions; or, degree 4 for more than one medium sized unit.			

2.2 <u>RESPONSIBILITY FOR POLICY, METHODS AND PROCEDURES</u>: This factor evaluates the responsibility vested in a class for the execution or organization of policies, methods and procedures. It would include "functional" guidance of others or any form of guidance, advice or control exercised over employees not under the supervision of the class in a direct or recognized line of authority. The factor would measure the incumbent's function to make recommendations, give or render interpretations or express conclusions of personal opinion, knowledge and independent thinking rather than just to supply factual information or data, as such. There is present the developing or improving methods of work in the positions of other classes and there may be substantial influence or effect upon the methods, procedures or courses of action selected and approved by others not sub-ordinate to the incumbent in a recognized line of authority or put into effect by other than the incumbent or his subordinates.

DETERMINATION OF DEGREE: Each sub-factor is expressed in terms of the importance of recommendation and responsibility for the origination or execution, or both, and the jurisdiction and type of guide line. Select the sub-factor and degree most applicable to the class being evaluated.

SUB-FACTORS	1 10 Points	2 25 Points	3 50 Points	4 85 Points	5 130 Points	6 185 Points
Responsibility for execution of policies, methods and pro- cedures	Performs operations in which responsibility is limited to following or carrying out existing methods and procedures related to duties of own position, requiring either formal education, prior experience or short on-the-job training period.	Responsibility for carrying out, inter- preting and enforcing existing methods and procedures related to duties of (a) sub-pro- fessional, sub-tech- nical, craft or clerical staff positions; (b) small group of non- professional positions; (c) an individual pro- fessional position.	Responsibility for carrying out, interpret- ing and enforcing exist- ing policies, methods and procedures related or applicable to (a) staff position or small operating unit of non- professional positions; (b) an individual pro- fessional, technical or managerial position	Responsibility for same functions as Degree 3 (execution variable) but as applied to a large operating unit of non- professional positions or, a small unit of pro- fessional, technical or managerial positions		
Responsibility for origina- tion of policies, methods and procedures	Methods developed by others	Methods developed by others, responsibility for improvement of routine operations	Responsibility for as- sisting in originating and developing intra- unit procedures related or applicable to (a) small operating unit of non-professional posi- tions; (b) an individ- ual professional, tech- nical or managerial po- sition; (c) employees on complex jobs	Responsibility for as- sisting in originating intra-unit policies, methods and procedures related to (a) a highly specialized professional, technical or managerial position;(b) small unit of pofessional, tech- nical and manament po- sitions (c) large unit of non-professional posi- tions	Major responsibility for assisting in the formu- lation of administrative policy within a medium sized agency or institu- tion	Major responsibility for assisting in the formulation of pol- icies, methods and procedures in an ap- plicable specialized unit throughout the state or for a large agency or institution.
Responsibility for origination and execution combined			Major responsibility for developing, coordinating and executing policy for a small agency of limited scope and complexity	Policies and methods af- fecting (a) small agencie: or institutions; (b) major unit of a medium size agency or institution	Major responsibility for developing, coordinating and executing intra-unit policy and methods af- fecting either (a) spec- ialized units within med- ium sized agency or in- stitution (b) all operating, administrative and main- tenance units within a medium sized agency or institution; (c) a large highly specialized unit within an agency or in- stitution.	Major responsibility for approving, coordinating and executing policy, methods and procedures affecting large units, divisions within a large agency or institution

2.3 <u>RESPONSIBILITY FOR PERSONAL CONTACTS</u>: This factor evaluates the responsibility vested in the class for representing the organization in personal contacts with others outside the immediate organizational unit. Contact with co-workers, direct subordinates and direct supervisors are not included. Consider the importance which the class imposes on incumbents to represent the agency or institution in dealing with individuals, companies, agencies, departments, etc., outside the agency or institution employing the incumbent, and with employees of other departments or units within the jurisdiction of the employing agency or institution. Do not consider contacts made by a class which are considered under the factor RESPONSIBILITY FOR POLICY, METHODS AND PROCEDURES. Under PERSONAL CONTACTS you are concerned with the direct personal contacts of incumbents, the importance of the immediate or ultimate consequences to the agency or institution resulting from the manner in which the personal contact is handled. You do not consider responsibility transmittable through incumbents to others; e.g. the instructions of a supervisor to his subordinate regarding a personal contact to be made is to be measured under RESPONSI-BILITY FOR SUPERVISION EXERCISED and not under this factor. Also be careful and do not duplicate credit given under other Responsibility factors under PERSONAL CONTACTS; e.g. incumbents responsibility for money, equipment, facilities, accuracy, confidential information, etc., which may come into play during or as the result of a personal contact, would be measured under the appropriate Responsibility or other factor, rather than RESPONSIBILITY FOR PERSONAL CONTACT.

DETERMINATION OF DEGREE: The degree definitions are expressed in terms of (a) with whom contacts are maintained, the frequency and (b) the purpose of contact. In addition, certain degree definitions include the responsibility for handling difficult contact problems referred by others. Select the most appropriate degree definition.

SUB-FACTORS	1 10 Points	2 30 Points	3 60 Points	4 100 Points	5 150 Points	6 210 Points
With whom contacts are made or maintained, frequency; responsibility, importance	Government Employees, gen- eral public. Limited official responsibility little con- tact with the public on a regular basis; irregular con- tact with others. Contacts are on a specific assign- ment or order usual con- tacts are with immediate associates.	Governmental employ- ees, general public and outside firms and representatives, normally at lower or middle levels of or- ganization. <u>Some res- ponsibility</u> ; irregular or highly routine public contact; regular, fre- quent contact with others	Governmental employees general public and out- side firms and represen- tatives. General public contact; responsible persons in governmental or outside firms. Con- tacts requiring some tact in securing informa- tion or resolving difficul- ties. <u>General responsi-</u> <u>bility</u>	Persons of substantial high rank. Regular inter-departmental or agency contacts in- volving coordination of work; occasional major contacts with officers, supervisors, public con- tacts involving mainte- nance of good will, counseling or advice on agency operation. <u>Con-</u> siderable responsibility	Representatives of or- ganizations and groups, governmental officials of high rank. Regular outside and inside con- tacts requiring a high degree of judgment and diplomacy- <u>continuous</u> <u>level of high responsi- bility</u>	Administrative officials and representative groups, <u>Regular major</u> <u>responsibility</u> for con- tinuing contacts and difficult negotiations and problems
Purpose of the contact	Asks or answers specific questions of limited var- iety such as simple iden- tifying information, verifi- cation or specific informa- tion, referring caller, an- swering specific corres- pondence inquiry	specific information on routine matters, as well as those out- lined in Degree 1 Contacts routine and factual in nature; dealing primarily with a specific position activity	Explains routine matters or procedures, furnishes information relating to own position or related activity; occasionally contacts persons in higher levels for further information, clarifi- cation, etc. Explains ser- vices and activities of unit of agency or institu- tion or of a small agency. Contacts requiring know- ledge of official depart- mental information. And, giving same is part of job duties.	Explains and interprets specialized matters and obtains desired actions with overall policy of unit or depart- ment of a large a- gency or institu- tion or of a small agency of technical nature or medium sized agency. Contacts pri- marily factual but cover a wide variety of infor- mation and/or activities	Discusses, explains and interprets policies, legal authorities, methods, procedures, rules and regulations, involve judgements, iniative and a high degree of tact in addition to a very wide range of information	Establishes and main- tains public relations involving difficult pre- sentations. Regularly represents agency and interprets its policies and practices to all types of contacts
Handling contact situations referred by others				Handles difficult situa- tions referred by employ- ees whose work is typi- cal of Degree 3	Handles difficult situ- ations referred by em- ployees whose work is typical of Degree 4	Handles difficult situa- tions referred by employ- ees whose work is typi- cal of Degree 5

2.4 <u>RESPONSIBILITY FOR RECORDS, REPORTS, INFORMATION AND MONEY</u>: This factor evaluates the responsibility vested in the class for the collection, organization, preservation and presentation of information, records, and reports. Consider the complexity and accuracy of the process and the importance of the records, reports and information. And, the responsibility for exercising care and judgment in financial loss through (a) handling, (b) safe-guarding money and negotiable papers or (c) making or authorizing the expenditure of public funds. Measurement is made of the importance which the class imposes on incumbent to account for his control of money, records, reports and confidential information. Money would include currency, checks, negotiable securities, credit notes. A record or report is any information arising from, relating to or affecting the business of the agency or institution which is written, printed, transcribed or drawn. Information refers to any knowledge or understanding pertaining to the agency or institution's business which is not reduced to writing insofar as the incumbent is concerned and which it is his responsibility to safe-guard whether such is told to the incumbent or which he obtains, discovers or learns in the course of his work.

DETERMINATION OF DEGREE: Each degree is expressed in terms of the type of record, report, information or responsibility connected therewith or in terms of the average amount of funds per month handled, safe-guarded or expenditure authorized. "Limited" responsibility refers to a situation where higher authority is readily available for review or check of the operation. "Full" responsibility refers to a situation where no review or check is readily available or customarily made. Select the most applicable sub-factors and degrees in terms of importance.

SUB-FACTOR	1 5 Points	2 20 Points	3 40 Points	4 65 Points	5 100 Points	
Type of Records	Routing records of temp- orary or minor value	Ordinary operational, personnel, financial or technical records	Complex, detailed and summary operational, financial, personnel or technical records	Important operational, financial, personnel or technical records for specific activities in either a large operating or maintenance unit or a small specialized unit.	Records affecting either all operational, mainten- ance and administrative units or specialized units within a large agency or institution	
Record keeping responsibili- ties	Simple posting and main- tenance-limited-under immediate supervision where errors could be detected auickly	Prepares and maintains routine work, errors would be of limited consequence-work is checked on routine basis	Gathers necessary data; prepares checks and re- views or supervises the preparation and mainte- nance of either a small volume of complex re- cords or a large volume of ordinary records and reports. Errors would likely be detected in succeeding operations loss would be primarily time consumed in cor- rections	Exercises overall super- visory responsibility. Errors would involve serious loss of time or embarrassment within the agency or its units. Most work is neither checked or verified im- mediately		
Type of reports	Routine, such as simple reports of time, work done and in progress, receipt of materials	Ordinary operational, personnel, financial, technical and relat- ed reports	Complex, detailed and summary operational, financial, personnel, technical or related	Reports of specialized and technical activities	Reports of highly specialized and technical activities	
Report preparation and review responsibilities	Simple preparation- standard format. No confidential informa- tion	Assembles and com- piles data. Occasional contact with informa- tion which is confi- dential-divulgence not result in embarrass- ment	Searches out, assembles and finalizes data. Fre- quent contact with con- fidential information- tion-divulgence would cause serious embar- rassment to agency	Reviews to insure com- pleteness and validity. Regular contact with agency confidential information	Review and draws conclusions upon which administrative de- cisions are based	







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Funds handled (average re- ceipts, disbursements, etc. per month) full responsibi- lity	\$10 - \$100 limited - little potential of loss	\$100 - \$1,000 possible minor loss	\$1,000 - \$10,000 possible moderate loss responsibility for pre- vention of same	\$10,000 - \$100,000 potential major loss from errors in trans- cription or computa- tion.	\$1,000,000	
Funds safeguarded (average monthly balance on hand) full responsibility	\$50 - \$500	\$500 - \$3,000	\$3,000 - \$30,000	\$30,000 - \$300,000	\$300,000 - \$3,000,000	
Expenditure authorizations (average monthly)	Limited: \$500-\$3,000 Full \$50 - \$500	Limited: \$3,000 - \$30,000 Full: \$500-\$3,000	Limited: \$30,000 - \$300,000 Full: \$3,000 - \$30,000	Limited: \$300,000 - \$3,000,000 Full: \$30,000-\$300,000	Limited: over \$3,000,000 Full: \$300,000 - over \$3,000,000	
Budgetary Control (monthly average of total budget)	Limited: \$1,000-\$10,000 Full: \$100-\$1,000	Limited: \$10,000 - \$100,000 Full: \$1,000-\$10,000	Limited: \$100,000 \$1,000,000 Full: \$10,000-\$100,000	Limited: \$1,000,000 - \$10,000,000 Full: \$100,000- \$1,000,000	Limited: Over \$10,000,000 Full: \$1,000,000 - over \$10,000,000	

2.5 RESPONSIBILITY FOR MATERIAL ITEMS: This factor evaluates the responsibility vested in the class for the effective and efficient use of materials and supplies and the maintenance, repair and upkeep of tools, machinery, equipment and facilities. It measures the importance of the responsibility imposed upon an incumbent in the class to make decisions or to perform activities which directly or specifically have to do with the control or use of tangible things of value belonging to the agency or institution such as land, buildings, materials, supplies, equipment, machinery, tools and facilities. You would exclude responsibility for RECORDS, REPORTS, INFORMATION AND MONEY which is evaluated under that factor. RESPONSIBILITY FOR MATERIAL ITEMS is limited to control which is direct and primary by the incumbent of the class. This involves the physical operation or use of equipment, machinery or supplies by the incumbent, or the issuance or approval of specific directions or authority for the acquisition, transfer, disposition or manner of use of material items by others.

DETERMINATION OF DEGREE: Each degree is expressed in terms of the scope of the responsibility for the effective use of items and possibility of economy or in terms of the function (use, maintenance and repair) and the nature of the item involved (office machine, complex equipment). If the class being evaluated has a score typical of one degree and possibilities or some characteristic of another degree, evaluate at the average degree (small organizational unit with negligible possibilities, etc.). Or, if the class being evaluated has the functions typical of one degree (maintenance) and machinery typical of another degree (office machines), select the Sub-factor and degree setting forth the most important function. Select the most appropriate degree definition.

SUB-FACTORS	1 10 Points	2 30 Points	3 60 Points	4 100 Points	5 150 Points	6 210 Points
Scope for acquisition use, operation, application, testing and minor adjust- ments	Individual position; office machines, hand tools or hand power tools used in own position; operation of state automobile	A few units of complex machinery and equip- ment used in own posi- tion or directs the use of a small number of positions typical of Degree 1	Directs proper use, etc. of a few units of complex machinery and equipment or a large number of ma- chines typical of Degree 1. Small organizational unit	General responsibility for use, etc. of a large number of complex machines, equipment or facilities. Either (a) a number of organiza- tional units (b) one large organizational unit or (c) highly spe- cialized and technical organizational unit	Administrative responsi- bility for proper use, operation, testing, in- spection, construction, maintenance and major repair of all machinery, equipment and facilities in a small to medium size agency or institu- tion or number of small organizational units in a large agency or in- stitution	Administrative respon- sibility for proper use, construction, mainten- ance, major repairs and adjustments of all ma- chinery, equipment and facilities of a large agency or institution.
Scope for economy, returns and costs; effective use of supplies and materials	Occasional to regular operation and care of ma- chines and equipment where carelessness would result in only minor dam- age or loss of time; or- dinary care required; dam- age of small value; sup- plies loss or damage would result in only minor financial loss or loss of time	Steady care required, regular opportunity for, but not frequent occur- ance of damage could be fairly large. Regu- larly responsible for Degree 1	Degree 2 - specific operations including material purchase and planning-individual po- sition	Responsibility for the operation and/or care of machines or equip- ment where careless- ness or error would re- sult in serious damage or in serious loss of time, special care re- quired; frequent op- portunity for serious damage or responsibili- ty for supplies or dam- age would result in ser- ious financial loss	Degree 4 - special care required; constant op- portunity for damage or supply loss of high de- gree	Where utilization and/ or design of such items is considerable and possible economics are extensive
Responsibility for mainten- ance and major repairs; safeguarding of supplies and inventories.		Maintains and repairs office equipment or other simple mach- ines or equipment	Directs the mainten- ance of office-mach- ines or related equip- ment or maintains and repairs complex mach- inery, equipment or facilities	Directs the mainten- ance and repair of com- plex machinery, equip- ment or facilities		
Responsibility for con- struction	s 1.	Simple assemblies	Complex machinery, equipment or facili- ties	Directs construction of complex machinery, equipment or facilities.		

Responsibility for design specifications, basic de- sign and research	Assists in design and/ or preparation of pre- liminary specifications for machinery, equip- ment facilities, mater- ials and supplies	Designs and prepares specifications for ma- chinery, equipment or facilities	Plans and develops basic designs and per- forms related research on new units of complex	reviewing engineering, research, design appli- cations and specifica-	
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2.6 RESPONSIBILITY FOR THE SAFETY AND/OR WELFARE OF OTHERS: This factor evaluates the responsibility vested in,

and the importance of, the incumbents in the class for protecting, safe-guarding or working carefully to prevent injury to others. Injury to the incumbents of the class would be measured under the factor of WORKING CONDITIONS and not under this factor. RESPONSIBILITY FOR THE SAFETY AND/OR WELFARE OF OTHERS is limited to control which is direct and primary by the incumbent and involves his physical presence or the issuance or approval of specific direction or authority for some specific action affecting the safety of others within the charge or contact of the incumbents. RESPONSIBILITY FOR CONTACTS, OR SUPERVISION EXERCISED OR FOR POLICY, METHOD OR PROCEDURES is not included under this factor.

DETERMINATION OF DEGREE: Each degree is expressed in terms of the actual or potential harm that could occur to others as the result of improper action by an incumbent in the class. Select the most applicable degree.

SUB-FACTORS	1 10 Points	2 20 Points	3 40 Points	4 70 Points	5 110 Points	
Seriousness or gravity	Generally works on or in operations where any in- jury to others would be slight	Handles materials or tools on operation or in work units or posi- tion where there is some possibility of causing cuts, bruises, burns, etc.	Performs work where im- proper action may cause or give rise to severe cuts, strains, bruises, burns, resulting in lost time of limited duration	Performs work where im- proper action may cause or give rise to broken bones, health hazards, or other bodily injury of moderate duration	Performs work where im- proper action may cause or give rise to loss of limb, vision, etc., re- sulting in permanent disability or death.	
ikelihood of occurrence	or, Degree 2 Infrequent	Ordinary, or, Degree 3 Infrequent or, Degree 4 Rare	Ordinary, or, Degree 4 Infrequent or, Degree 5 Rare	Ordinary, or Degree 5 Infrequent		

PERSONAL DEMANDS OF THE CLASS

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This covers the PHYSICAL DEMANDS, MENTAL DEMANDS, AND MENTAL SKILLS factors which are encountered and required on a regular basis for the normal successful performance of all the tasks, duties and responsibilities of the class of position. 3.1 PHYSICAL DEMANDS: This factor evaluates the actual expenditure of energy and abilities demanded by the class in the doing of the various activities required for either (a) physical exertion in relation to frequency, type and fatigue reasonably to be expected from lifting, climbing, hauling, walking, standing, stooping, bending, etc.; kinds of work, light medium, heavy, very heavy, or (b) physical coordination and dexterity considering such aspects as finger dexterity (speed of finger movements or the handling of objects with the fingers), rate of manipulation (speed of hand and arm movements), eye-hand coordination (control movement of hand accurately by what the eye sees); eye-hand-foot coordination (to control simultaneously movement of hands and feet by what the eye sees), bi-manual coordination (coordination of independent movements of both hands), visual acuity, color perception, speed perception, pitch perception, auditory acuity, etc.

But -- remember in such consideration to evaluate only where it is a regular part of the class duties and not incidental -- mental fatigue is not to be considered. Consideration should also be given to the method of handling and the periods of rest or unoccupied time.

DETERMINATION OF DEGREE: Each degree definition is expressed in terms of both the physical exertion element (weight, activity, frequency, duration) and the physical coordination and dexterity elements (manual skills, accuracy). Select the Sub-factors and degree in terms of the importance to the class.

SUB-FACTOR	1 15 Points	40 Points	3 75 Points	4 120 Points	-	
Physical exertion required duration of activity, weight or strain (Weights shown are for ex- ample only)	Some activity; infrequent exertion. Normally lifts materials not exceeding 25 pounds requires little physical effort and of a nature that only slight physical fatigue results from the days work.	Intermittent or ordinary to moderate exertion or activity, such as frequent standing and walking while perform- ing work or involving some weights for sus- tained periods. Fre- quently lifts materials not exceeding 50 pounds. More or less continuous or repet- itive work but sel- dom requiring heavy lifting or physical exertion on a contin- uing basis	Average to steady, sus- tained exertion or ac- tivity in various body positions (occasional- ly awkward positions) while performing work involving light or a- verage weights. Fre- quently lifts materials not exceeding 100 pounds. Work that re- quires considerable physical effort, but usually intermittency. Days work may con- sist of a wide va- riety of activity from light physical effort to exhaustive de- mands.	Constantly sustained exertion or unusually rapid and continuing physical effort and intermittent severe strain. Continuing exertion while working with heavy materials re- sulting in a high de- gree of physical fa- tigue at the end of the day		
Physical coordination and dexterity required	Normal dexterity.	Some skill, adeptness and speed in finger- hand-arm coordination, such as repetitive op- eration of office de- vices or repetitive op- erations on mechanical devices, or using tools or equipment involving moderate limits of accuracy; requiring no fine body movements or unusual coordination General body coordina- tion suffient to carry out duties.	Considerable skill, a- deptness and speed in finger-hand-arm coord- ination involving above average accuracy or on complex mechanical de- vices or in using tools, or equipment to close but no unusual limits of accuracy. Handling of number of small or delicate items or rapid skillful manipulation of work materials or equip- ment make it necessary that incumbent be pos- sessed of above average specific dexterity	High degree of skill, adeptness and speed in finger-hand-arm coordination involving high degree of accuracy and some physical strain and/or on com- plex mechanical de- vices or using tools or equipment to very close and unusual narrow limits of accuracy. Jobs which require very fre- quent or continuous ma- nipulation of materials in repetitive or very close operation where an unusually high de- gree of manual skill is absolutely necessary to successful perfor- mance of the job.		

3.2 <u>MENTAL DEMANDS</u>: This factor evaluates the amount of mental attention and concentration required in the class. Consider the concentration and alertness, both mental and visual required by the class on a continuing basis, not intermittent. Also consider the frequency of occurance of problems and degree of alertness and concentration necessary for solution or processing; variety of work handled, amount, complexity of planning or inspecting and the coordination of visual with manual dexterity. Distinguish this factor (mental demands) which evaluates the amount of mental attention and concentration required for the class from MENTAL ABILITY which evaluates the application of mental ability, such as judgment, originality, quantitative reasoning, organizational ability, etc., and, PHYSICAL DEMANDS which evaluates the physical expenditure of physical energy per se. Mental fatigue would be considered under MENTAL DEMANDS.

DETERMINATION OF DEGREE: Each degree is expressed in terms of two elements of mental stress - attention (which deals with the element of mental alertness) and concentration (which deals with the element of focusing attention). Select the most applicable Sub-factor and degree in terms of importance to the class.

SUB-FACTORS	1 5 Points	2 15 Points	3 30 Points	4 60 Points	5 100 Points	
Attention	Little Mental; inter- mittent visual attention. Variety of simple tasks to perform. Requires no specialized training or education. Performance standards may be at- tained in very short per- iod of time. BASE POINTS	Normal: Ordinary men- tal or visual attention. Some distractions and interruptions. Perfor- mance standards may be attained in a few weeks on job.	Frequent mental or close visual attention. Has to be at work place for con- siderable periods of time with little or no opportunity to vary the tasks performed or checking to exact standards. Usually re- quires specialized training, experience and a month or more on job to attain production standards. Occasional periods of sustained ef- fort. Occasional inter- ruptions or distractions.	Continuous mental vis- ual attention and ac- curacy of work - con- fining tasks, work under some pressure; involving interruptions; maintain efficiency for long periods under dis- tracting conditions. Requires specialized training and exper- ience; Several months to attain performance standards.	Concentrated, constant mental and visual atten- tion. Work under high pressure; specialized training and experience; extended periods to attain performance stan- dards.	
Concentration	Work of the simple sort requiring no close or sustained attention. Highly routine tasks, easily learned, are a major part of the job. Few interruptions; pressures, if present, not constant or usual. BASE POINTS	Work where irregular- ities or difficulties are fairly infrequent or mi- nor in detail. Short periods of light con- centration. Variety of repetitive tasks to perform; some opportunities to alter work routine.	Work involves some like- lihood of irregularity or difficulty. Repetitive and varied tasks to perform; various methods and policies to apply; continuous gen- eral attention.	Operation requires con- stant alertness. Oc- casional periods of in- tense concentration. Difficult and highly varied tasks; irregu- larity is usual.	Work involves planning and laying out of all phases of complex work. Prolonged periods of in- tense concentration. Highly varied and tech- nical tasks; irregularity to a high degree.	

3.3 <u>MENTAL SKILLS</u>: This factor evaluates the requirements of a class for the use of the mental processes in applying knowledge and reasoning power to work problems; this application of knowledge and reason manifests itself in problem definition, solution and decision making. It covers the application of education and experience in performing the tasks and duties of the class and the successful assumption of the necessary responsibilities in relation to the difficulty and complexity of satisfactory completion. Consider general intelligence (mental brightness), quantitative reasoning (ability to solve complex number problems); difficulties and complexities involved in making decisions; and other specific problems connected with the work such as frequency, degree of analysis required and complexity of data to be considered, and utilization of all knowledge and information possessed or obtainable; number and word ability (to make mathematical computations accurately and quickly; remember word or number details, recognizing quickly small differences in word, name or number details); artistic ability; organizational ability (ability to plan and organize on limited or broad basis); initiative (ability to assume responsibilities without or with specific instructions or direction).

DETERMINATION OF DEGREE: The degrees are expressed in terms of three Sub-factors: (a) type of knowledge applied (this differs from Education and Experience factors which express the knowledge, skills and mental development required, but not the complexity of applying it to work problems), (b) judgment and analysis (which deals with the weighing of information and consequent decision making), and (c) creative mental skills (which deals with innovation and ingenuity). Select the degree most applicable.

DEGREE

SUB-FACTORS	1	2	3	4	5	6
	10 Points	30 Points	65 Points	115 Points	180 Points	260 Points
Type of knowledge applied	Applies simple repeti- tive clerical, manual, semi-skilled or sub-tech- nical skills to work in- volving the use of a few definite procedures or r methods. Short assigned tasks in accord with de- tailed instructions.	Applies intermediate clerical beginning trades or crafts, tech- nical or sub-profes- sional skills to a variety of work pre- scribed by standard practices and methods, but which may involve the use of several procedures.	Applies: (a) Advanced knowledge of clerical field, journeyman know- ledge of trades or crafts technical or sub-profes- sional field; (b) basic professional field; (c) general knowledge of the functions of a major unit of an agency having a wide range of clerical, manual, or sub-technical or sub- professional field (d) general knowledge of a minor unit of an agency having craft, technical, beginning professional, sub-pro- fessional: Employee is presumed to know the work details and performance stan- dards of his job and to perform assigned tasks with general instructions.	Applies: (a) intensive knowledge of the func- tion of a major unit of an agency or institution the use of scientific or technical methods standard to the profes- sion in the solution of problems which are not routine or which have not been previously con- sidered Employee helps set up work procedures and per- formance standards.	Applies highly pro- fessional or technical knowledge and skill in the use of a wide range of scientific or managerial or admin- istrative methods to solve difficult, varied and complex problems.	Applies the highest de- gree of professional, technical or administra- tive knowledge in the analysis, coordination, interpretation and man- agement of professional, technical, administrative or scientific work

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Judgment and analysis	Applies little indepen- dent judgment; work in- volves little or no choice. of action. All work is usually done under direct observation and on spe- cific instructions from im- mediate supervisor; work and progress are checked frequently by immediate supervisor. All questions are referred to super- visor.	Applies some indepen- dent judgment with ob- vious choices of ac- tion. Most work done under general super- vision; routine duties performed without close supervision; proceeds alone on routine tasks; refers all out of the ordi- nary phases of the work to the immediate supervisor for advice and direction. Little responsibility for planning of methods or layout of work. May be required to use tools or equipment in- volving the use of some judgment.	Applies independent judgment and analyzes facts, problems and data to determine what action within limits of standard practice and methods should be taken. Work done under general supervision with occa- sional checks, but in which frequent instruc- tions are given as to what to do and how to do. Work from standard methods but may be re- quired to plan and per- form a sequence of op- erations. May use tools or equipment requiring the exercise of a rea- sonable amount of judgment. Decisions in keeping with past prac- tices, may make deci- sion on situations not specifically covered af- fecting primarily his own work, where not practi- cal to refer each problem to supervisor.	Exercises independent judgment and analyzes facts in resolving non- routine problems and those not previously considered requiring ap- plication of knowledge indicated in (a) or (b) above or exercises pro- fessional judgment in resolving types of prob- lems. Work done under direction with periodic instruction as to what is to be done and how to do it. Requires a high degree of judg- ment and independent thinking. May use complicated tools or equipment re- quiring the exercise of considerable judg- ment.	Exercises discrimina- ting judgment in the analysis and solution of major or complex ad- ministrative, scientific or professional problems, makes important deci- sions in a highly spec- ialized area as a conse- quence of the applica- tion of the type of knowledge indicated above. Work done under general direc- tion independently with only occasional direc- tions as to what is to be done and how to do it. Makes difficult decisions which affect the work of others; much leeway for interpretation of general policies.	Exercises independent analysis and judgment on unusual professional and/or administrative problems requiring dif- ficult choices of action covering a broad area and based on facts, data, conditions and situations which are not obvious or easily resolved. Work done under administrativ or limited general direc- tion with no supervision of work except in regard to general methods.
Creative Mental Skills	Little mental effort.	May occasionally be permitted to decide slight variations in work procedure, in method of performing the task or may be permitted the oppor- tunity to exercise some iniative in the inter- pretation of oral or written instructions.	Decides permitted vari- ations in method of performance. Iniative in the interpretation and augmenting oral or writ- ten instructions. Own judgment is usually guide, if not practical to refer to supervisor.	Requires resourceful- ness in adapting pre- vious practices, methods and procedures or pro- fessional knowledge to meet new or non-routine problems. May be required to de- vise new methods, plan and layout complex work.	Requires a very high degree of initiative and ingenuity; creative abil- ity in developing and carrying out new solu- tions to new and com- plex problems.	Requires exceptional creative ability in de- veloping and adapting unusual and basic meth- ods to the solution of problems with no ob- vious methods or pro- cedures.

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WORKING CONDITIONS OF THE CLASS

This covers the hazards and the surrounding working conditions involved in the concept and the actual performance of the tasks, duties, and responsibilities of the class of position. Working conditions which are temporary, infrequent or cyclic in nature, and not a regular working condition of the class, are not to be considered. Nor would the factors of mental demands or physical effort be considered under the factor of working conditions. Although such actions as climbing, bending, lifting, hauling, etc., might result in injury, they are considered under those particular factors. Make the distinction, under the factor of WORKING CONDITIONS, for the evaluation of unavoidable health and accident hazards and the disagreeable surroundings inherent in the class.

Hazards refer to the actual, the real or the potential accident and health dangers connected with, or inherent in, the class because of the nature of the work, it's location or for the potential exposure which might reasonably be expected. Consider the materials handled, the machines or tools used, persons dealt with, current or existing possibility of injury as to extent and degree of disability and likelihood of such injury.

Surroundings means those features inherent in the place or conditions which might be disagreeable and which are commonly found in the performance of the duties of the class in almost all instances. These would include fumes, gases, odors, poor ventilation, lighting conditions, dirt, atmosphere, excessive traveling (how often and how long), subject to call for emergency work, holiday and week-end work, irregular working hours or schedules, hours in excess of normal or other conditions where there is no provision for extra compensation and could be expected to give rise to unfavorable attitudes towards the work of the class in the minds of the incumbents within the class.

4.1 WORKING CONDITIONS

DETERMINATION OF DEGREES: Each degree is expressed in terms of (a) hazards (likelihood of accidents or illness despite provisions for health and safety measures -- degree and extent of injury or disability) and (b) surroundings (disagreeable environmental or working conditions and frequency of exposure). Select the applicable Sub-factors and degree in terms of importance.

SUB-FACTOR	1 5 Points	2 10 Points	3 25 Points	4 50 Points	5 85 Points	
Hazards	Accident or Health haz- ards, absent or negligible Base Points General Clerical	Accidents improbable, outside of minor in- juries such as abra- sions, cuts, bruises, or burns Health Ha- zards Negligible Hazard low & unusual (Kitchen)	Occasional or moderate exposure to injury which can cause loss of time, such as crushed fingers, severe cuts, bruises or sprains-some exposure to occupational diseases-not incapacitating in nature- accident hazard moderate (Butcher).	Frequent exposure to in- capacitating accidents or health hazards, broekn bones, loss of limbs, im-t pairment of vision, fre- quent exposure to a hazard where failure to exercise extreme care and judgment might cause accident.	Continuous intensive exposure to accident or occupational disease which would result in incapacitating injuries for long periods of time, total disability or death. Constant exposure to a hazard where failure to exercise extreme care and judgment would cause serious accident.	
Surrounding working con- ditions	Pleasant surroundings with no continued ob- jectionable features. Base Points General Clerical	Fair conditions or in- frequent exposure to disagreeable elements. Minor or occasional exposure to dirt, fumes, smells, poor lighting-ventilation, noise, temperature changes, call to emerg- ency work, excessive travel, irregular work schedules, etc. (Kitchen-Institutional- Correctional)	Occasional or moderate exposure to disagreeable elements identified in Degree 2.	Frequent exposure to one particularly disa- greeable element or continuous exposure to several of the ele- ments identified in Degree 2.	Continuous and intensive exposure to several ex- tremely disagreeable elements.	

DEGREE

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JOB ANALYSIS WORK SHEET

(Agency)

Department

Section

Work Unit

(Code No.)

Working Title

Employee's Name (if single review)

No. of Employees in Class

(Class Title)

NATURE AND SCOPE:

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1. Job Summary or Description:

2. Work Performed:

3. Periodical Duties:

4. Occasional Duties:

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ι.	Education:	
	(a) Minimum formal or informal:	
	(b) Specialized education essential to successf	ul performance:
2.	Experience and Training: (a) Kind of previous experience necessary:	
	(b) How to acquire:	
	Minimum time required: (c) Kind of essential training necessary:	Minimum time required:
	(d) List type of equipment used; % of time	Learning time% of time
3.	Dexterity:	3.1 Facility and Speed:
	Repetitive 1 2 3	Facility
	(a) Work Activity:	(b) Mental: Manual:
	Varied 4 5	Speed
	Remarks:	Remarks:
4.	Accuracy: (Care-Throughness)	
	Required Care:Ordinary Considerable Extreme	Remarks:
5.	Mental Effort:Ordinary R I O	
	Attention:Close R I O Extreme R I O	Remarks:
5.	Personal Qualities:	
	Tact Patience Attitude	Emergencies Appearance Expression
	Remarks:	
7.	Sensatory Training:	
		Hearing Smell Balance
	Other	

SUPERV

RESPONSIBILITY: 1. Things and Acts: (Other than Supervisory)

		Error in Meeting Obligation Possibility Consequence		GU100000	
	Close Check	Auto- matic Check	No Check	Partial Loss	Complete Loss
(a) For Materials and Supplies:					
(b) For Equipment and Tools:					
(c) For Money; Securities:			·		
(d) For Methods and/or Procedures:					
(e) For Records; Files, Accounts:					
(f) For Outside Contacts:	<u>-</u>				
(g) For Professional or Technical Services:					
Comments:					
ISION: . Responsibility for People: (a) Supervision Given: DirectNone GeneralLittle FunctionalMuch No. Supervised Title & C.N	Ren	narks:			
(b) Supervision Received: Limited General From: Decisions Permitted:	Close Re	marks:			
(c) Supervision-Management:			Inter-		
For Diagoing		General	mediate	Direct	
For Planning For Organizing					The Manager
For Directing				1	
For Checking Results			Stand Street	1	
Comments:					



WORKING CONDITIONS:

1. Physical Effort:

	% Sitting % Walking % Lifting % Stooping % Trav
	% Standing % Climbing % Bending Other %
	(b) Kind of Work:
	Light Medium Heavy Heavy Very Heavy
	Resulting in fatigue to:
	Body Legs Arms Fingers Feet Other
	Comments:
2.	Hazards: (Likelihood of Exposure) ———Negligible R I O Kind: ———Moderate R I O ———Considerable R I O Comments:
3.	Surroundings:
	(a) Work Conditions:
	Humid Noisy Dirty Wet Pleasant Congested
	Malodorus Other Comments:
	(b) Workplace:
	In Out Desk Machine Out, under all conditions
	Other Comments:
4.	Work Schedule:
	Hours: per day
	per week
	Subject To:
	Emergency Calls Relief Shift Split Shift Night Shift Extra Hours Comments:
	Based on this analysis how would you rank the following factors of this class or position? Job Requirements:
N	Mental Skill Responsibility Supervision Working Conditions
AL	L NOTES-FACTS AND OPINIONS: LINES OF PROMOTION, ETC.: MOST DIFFICULT OR IMPORT
	of JOB, ETC.
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_ Date _