

Department of Labor's Dictionary of Occupational Titles – Fashion, Arts and Sports Occupations

14 Occupations in Art

This division includes occupations concerned with integrating personal expression, knowledge of subject matter, and art concepts, techniques, and processes to develop ideas and create environments, products, and art works which elicit an emotional or esthetic response. Occupations concerned with teaching are included in Groups 091, 092, and 097. Occupations in performing arts are included in Groups 150, 151, and 152. Occupations in art museums are included in Group 102.

141 Commerical Artists: Designers and Illustrators, Graphic Arts

This group includes occupations concerned with designing and executing artwork to promote public consumption of materials, products, or services; influence others in their opinions of individuals or organizations; or illustrate and adorn subject matter. Includes preparing animated cartoons.

141.031-010 ART DIRECTOR (profess. & kin.)

Formulates concepts and supervises workers engaged in executing layout designs for art work and copy to be presented by visual communications media, such as magazines, books, newspapers, television, posters, and packaging: Reviews illustrative material and confers with client or individual responsible for presentation regarding budget, background information, objectives, presentation approaches, styles, techniques, and related production factors. Formulates basic layout design concept and conducts research to select and secure suitable illustrative material, or conceives and assigns production of material and detail to artists and photographers. Assigns and directs staff members to develop design concepts into art layouts and prepare layouts for printing. Reviews, approves, and presents final layouts to client or department head for approval. May perform duties of GRAPHIC DESIGNER (profess. & kin.) to design art layouts. May mark up, paste up, and finish layouts to prepare layouts for printing. May draw illustrations. May prepare detailed story board showing sequence and timing of story development when producing material for television. May specialize in particular field, media, or type of layout.

GOE: 01.02.03 STRENGTH: S GED: R5 M3 L5 SVP: 8 DLU: 77

141.051-010 COLOR EXPERT (profess. & kin.) alternate titles: color consultant; colorist; color specialist

Advises clients relative to fashionable shades and color combinations in paper, paint, draperies, floor coverings, and other permanent installations for furnishing interiors of homes, offices, and other commercial establishments.

GOE: 01.02.03 STRENGTH: L GED: R5 M2 L4 SVP: 7 DLU: 77

141.061-010 CARTOONIST (print. & pub.)

Draws cartoons for publications to amuse readers and interpret or illustrate news highlights, advertising, stories, or articles: Develops personal ideas or reads written material to develop ideas from context. Discusses ideas with editor or publisher's representative or sketches cartoon drawing and submits drawing for approval. Makes changes and corrections as necessary and finishes drawing. May develop and draw comic strips. May be designated according to type of cartoons drawn as Editorial Cartoonist (print. & pub.); Sports Cartoonist (print. & pub.).

GOE: 01.02.03 STRENGTH: S GED: R5 M2 L4 SVP: 7 DLU: 77

141.061-014 FASHION ARTIST (retail trade)

Draws or paints apparel and accessory illustrations for newspaper or related advertisements: Positions garment, accessory, or model to accentuate desired sales features. Renders drawing of garment or accessory, complementary articles, and background, using various art media and materials. May use models, props, and settings to accentuate subject materials. May draw lettering.

GOE: 01.02.03 STRENGTH: S GED: R5 M2 L4 SVP: 7 DLU: 77

141.061-018 GRAPHIC DESIGNER (profess. & kin.) alternate titles: layout artist

Designs art and copy layouts for material to be presented by visual communications media such as books, magazines, newspapers, television, and packaging: Studies illustrations and photographs to plan presentation of material, product, or service. Determines size and arrangement of illustrative material and copy, selects style and size of type, and arranges layout based upon available space, knowledge of layout principles, and esthetic design concepts. Draws sample of finished layout and presents sample to ART DIRECTOR (profess. & kin.) 141.031-010 for approval. Prepares notes and instructions for workers who assemble and prepare final layouts for printing. Reviews final layout and suggests improvements as needed. May prepare illustrations or rough sketches of material according to instructions of client or supervisor. May prepare series of drawings to illustrate sequence and timing of story development for television production. May mark up, paste, and assemble final layouts to prepare layouts for printer. May specialize in particular field, medium, or type of layout. May produce still and

animated graphic formats for on-air and taped portions of television news broadcasts, using electronic video equipment. May photograph layouts, using camera, to make layout prints for supervisor or client. May develop negatives and prints, using negative and print developing equipment, tools and work aids to produce layout photographs for client or supervisor. May key information into computer equipment to create layouts for client or supervisor.

GOE: 01.02.03 STRENGTH: S GED: R5 M3 L4 SVP: 7 DLU: 89

141.061-022 ILLUSTRATOR (profess. & kin.) alternate titles: artist; commercial artist; graphic artist

Draws or paints illustrations for use by various media to explain or adorn printed or spoken word: Studies layouts, sketches of proposed illustrations, and related materials to become familiar with assignment. Determines style, technique, and medium best suited to produce desired effects and conform with reproduction requirements, or receives specific instructions regarding these variables. Formulates concept and renders illustration and detail from models, sketches, memory, and imagination. Discusses illustration at various stages of completion and makes changes as necessary. May select type, draw lettering, lay out material, or perform related duties. May be identified according to specific style, technique, medium, subject material or combination of variables. May draw or paint graphic material and lettering to be used for title, background, screen advertising, commercial logo, and other visual layouts for motion picture production and television programming and be designated Title Artist (motion picture; radio-tv broad.).

GOE: 01.02.03 STRENGTH: S GED: R5 M2 L4 SVP: 7 DLU: 77

141.061-026 ILLUSTRATOR, MEDICAL AND SCIENTIFIC (profess. & kin.) alternate titles: artist, scientific

Creates illustrations, graphics, and three dimensional models to demonstrate medical or biological subjects, using variety of artistic techniques: Develops drawings, paintings, diagrams, and models of medical or biological subjects in fields such as anatomy, physiology, histology, pathology, or in surgical procedures, for use in publications, exhibits, consultations, research, and teaching activities. Completes illustrations in pen and ink, oil, monochromatic wash, watercolor, carbon dust, and mixed media. Constructs or advises in construction of models in plaster, wax, plastics, and other materials. Devises visual aids, such as films, video tapes, charts, and computer graphics, to assist in teaching and research programs.

GOE: 01.02.03 STRENGTH: S GED: R5 M4 L5 SVP: 7 DLU: 89

141.061-030 ILLUSTRATOR, SET (motion picture; radio-tv broad.) alternate titles: sketch maker

Plans, develops, and prepares illustrations of scenes and backgrounds against which action is filmed for use in motion picture or television production: Reads script, reviews working drawings, conducts research and consults with ART DIRECTOR (motion picture; radio-tv broad.) to develop illustration ideas. Performs duties of ILLUSTRATOR (profess. & kin.) to render illustrations.

GOE: 01.02.03 STRENGTH: S GED: R5 M3 L4 SVP: 8 DLU: 77

141.061-034 POLICE ARTIST (government ser.) alternate titles: forensic artist
Sketches likenesses of criminal suspects, according to descriptions of victims and witnesses, and prepares schematic drawings depicting scenes of crimes: Interviews crime victims and witnesses to obtain descriptive information concerning physical build, sex, nationality, facial features, and related characteristics of unidentified suspect. Prepares series of simple line drawings conforming to description of suspect and presents drawings to informant for selection of sketch that most resembles suspect. Questions informant to obtain additional descriptive information and draws and verifies details of features to improve resemblance of conception to recollection of informant. Measures distances and sketches layout of crime scene, or develops sketches from photographs and measurements taken at scene of crime by other police personnel to prepare schematic drawing of scene of crime.

GOE: 01.02.03 STRENGTH: L GED: R5 M3 L4 SVP: 7 DLU: 86

141.061-038 COMMERCIAL DESIGNER (profess. & kin.)

Creates and designs graphic material for use as ornamentation, illustration, advertising, or cosmetic on manufactured materials and packaging: Receives assignment from customer or supervisor. Studies traditional, period, and contemporary design styles and motifs to obtain perspective. Reviews marketing trends and preferences of target and related markets. Integrates findings with personal interests, knowledge of design, and limitations presented by methods and materials. Creates, draws, modifies, and changes design to achieve desired effect. Confers with customer or supervisor regarding approval or desired changes to design. May be required to have specialized knowledge of material designed. May prepare original artwork and design model. May perform related duties, such as fabricating silk screens, drawing full size patterns, or cutting stencils. May work with specific items, such as signs, packaging, wallpaper, ceramics, tile, glassware, monograms, crests, emblems, or embroidery. See INDUSTRIAL DESIGNER (profess. & kin.) 142.061-026 for workers who design both product form and associated graphic materials.

GOE: 01.02.03 STRENGTH: S GED: R5 M3 L4 SVP: 7 DLU: 81

141.067-010 CREATIVE DIRECTOR (profess. & kin.)

Develops basic presentation approaches and directs layout design and copy writing for promotional material, such as books, magazines, newspapers, television, posters, and packaging: Reviews materials and information presented by client and discusses various production factors to determine most desirable presentation concept. Confers with heads of art, copy writing, and production departments to discuss client requirements and scheduling, outline basic presentation concepts, and coordinate creative activities. Reviews and approves art and copy materials developed by staff and presents final layouts to client for approval.

GOE: 01.02.03 STRENGTH: S GED: R5 M3 L5 SVP: 8 DLU: 77

141.081-010 CARTOONIST, MOTION PICTURES (motion picture; radio-tv broad.)
alternate titles: animated-cartoon artist; animator

Draws animated cartoons for use in motion pictures or television: Renders series of sequential drawings of characters or other subject material which when photographed and projected at specific speed becomes animated. May label each section with designated colors when colors are used. May create and prepare sketches and model drawings of characters. May prepare successive drawings to portray wind, rain, fire, and similar effects and be designated Cartoonist, Special Effects (motion picture; radio-tv broad.). May develop color patterns and moods and paint background layouts to dramatize action for animated cartoon scenes and be designated Cartoon-Background Artist (motion picture; radio-tv broad.).

GOE: 01.02.03 STRENGTH: S GED: R5 M2 L4 SVP: 7 DLU: 77

141.137-010 PRODUCTION MANAGER, ADVERTISING (profess. & kin.)

Coordinates activities of design, illustration, photography, pasteup, and typography personnel to prepare advertisements for publication, and supervises workers engaged in pasting up advertising layouts in art department or studio: Determines arrangement of art work and photographs and selects style and size of type, considering factors such as size of advertisement, design, layout, sketches, and method or printing specified. Submits copy and typography instructions to printing firm or department for typesetting. Reviews proofs of printed copy for conformance to specifications. Assigns personnel to mount printed copy and illustration on final layouts, coordinating assignments with completion of art work to ensure that schedules are maintained. Writes instructions for final margin widths and type sizes, and submits layout for printing. Examines layout proofs for quality of printing and conformance to layout.

GOE: 01.02.03 STRENGTH: S GED: R4 M3 L4 SVP: 7 DLU: 86

142 Environmental, Product, and Related Designers

This group includes occupations concerned with designing or arranging objects and materials to achieve aesthetically pleasing and functional effect for apparel, interiors, and other commercial items.

142.031-014 MANAGER, DISPLAY (retail trade)

Develops advertising displays for window or interior use and supervises and coordinates activities of workers engaged in laying out and assembling displays: Consults with advertising and sales officials to ascertain type of merchandise to be featured and time and place for each display. Develops layout and selects theme, colors, and props to be used. Oversees requisitioning and construction of decorative props from such materials as wood, plastics, paper, and glass. Plans lighting arrangement and selects coloring medium. May design store fixtures. May prepare sketches or floor plans of proposed displays. May develop merchandise displays at special exhibits, such as trade shows.

GOE: 01.02.03 STRENGTH: L GED: R5 M3 L4 SVP: 7 DLU: 77

142.051-010 DISPLAY DESIGNER (profess. & kin.) alternate titles: display and banner designer; flag decorator and designer

Designs displays, using paper, cloth, plastic, and other material to decorate streets, fairgrounds, buildings, and other places for celebrations, fairs, and special occasions: Confers with client regarding budget, theme, materials, colors, emblem styles, and related factors. Plans display and sketches rough design for client's approval. Selects stock decorations or directs construction according to design concepts. May construct decorations. May direct and supervise workers who put up decorations. May design, draw, paint, or sketch backgrounds and fixtures made of wood, cardboard, paper, plaster, canvas, or other material for use in windows or interior displays and be designated Display Artist (profess. & kin.). May specialize in designing outdoor displays and be designated Display Designer, Outside (profess. & kin.).

GOE: 01.02.03 STRENGTH: S GED: R5 M3 L4 SVP: 7 DLU: 77

142.051-014 INTERIOR DESIGNER (profess. & kin.)

Plans, designs, and furnishes interior environments of residential, commercial, and industrial buildings: Confers with client to determine architectural preferences, purpose and function of environment, budget, types of construction, equipment to be installed, and other factors which affect planning interior environments. Integrates findings with

knowledge of interior design and formulates environmental plan to be practical, esthetic, and conducive to intended purposes, such as raising productivity, selling merchandise, or improving life style of occupants. Advises client on interior design factors, such as space planning, layout and utilization of furnishings and equipment, color schemes, and color coordination. Renders design ideas in form of paste ups, drawings, or illustrations, estimates material requirements and costs, and presents design to client for approval. Selects or designs and purchases furnishings, art works, and accessories. Subcontracts fabrication, installation, and arrangement of carpeting, fixtures, accessories, draperies, paint and wall coverings, art work, furniture, and related items. May plan and design interior environments for boats, planes, buses, trains, and other enclosed spaces. May specialize in particular field, style, or phase of interior design. May specialize in decorative aspects of interior design and be designated Interior Decorator (profess. & kin.).

GOE: 01.02.03 STRENGTH: L GED: R5 M3 L4 SVP: 7 DLU: 85

142.061-010 BANK-NOTE DESIGNER (government ser.)

Designs engraving plate for printing government securities, such as currency, stamps, and bonds, according to preliminary drawings and knowledge of engraving and printing techniques: Examines preliminary sketch of design from government agency desiring to issue new or modified design. Modifies design to conform with technical characteristics and limitations of reproduction, engraving, and printing equipment and to introduce design elements to discourage counterfeiting, using drawing instruments. Selects or suggests colored inks pleasing to eye, consistent with dignity of security and need to discourage counterfeiting. Confers with representatives of issuing agency to obtain design approval. May originate designs and design suggestions for securities.

GOE: 01.06.01 STRENGTH: S GED: R4 M3 L4 SVP: 8 DLU: 77

142.061-014 CLOTH DESIGNER (profess. & kin.) alternate titles: cloth pattern maker; pattern designer; textile stylist

Originates designs for fabrication of cloth, specifying weave pattern, color, and gauge of thread, to create new fabrics according to functional requirements and fashion preferences of consumers: Develops new ideas for fabrics, utilizing knowledge of textiles and fashion trends. Consults with technical and merchandising staff to obtain design ideas, and to estimate consumer acceptance of new types of fabrics. Sketches designs for patterns on graph paper, using water colors, brushes, pens, and rulers, or prepares written instructions to specify details, such as finish, color, and construction of fabric. Examines fabricated sample on loom and modifies design as required. May be designated according to product designed as Rug Designer (carpet & rug); Woven-Label Designer (narrow fabrics).

GOE: 01.02.03 STRENGTH: S GED: R4 M3 L4 SVP: 7 DLU: 77

142.061-018 FASHION DESIGNER (profess. & kin.) alternate titles: clothes designer

Designs men's, women's, and children's clothing and accessories: Analyzes fashion trends and predictions, confers with sales and management executives, compares leather, fabrics, and other apparel materials, and integrates findings with personal interests, tastes, and knowledge of design to create new designs for clothing, shoes, handbags, and other accessories. Sketches rough and detailed drawings of apparel and writes specifications describing factors, such as color scheme, construction, and type of material to be used. Confers with and coordinates activities of workers who draw and cut patterns and construct garments to fabricate sample garment. Examines sample garment on and off model and modifies design as necessary to achieve desired effect. May draw pattern for article designed, using measuring and drawing instruments. May cut patterns. May construct sample, using sewing equipment. May arrange for showing of sample garments at sales meetings or fashion shows. May attend fashion and fabric shows to observe new fashions and materials. May be identified according to specific group designed for, such as men, women, or children or areas of specialization, such as sportswear, coats, dresses, suits, lingerie, or swimwear. May design custom garments for clients and be designated Custom Garment Designer (retail trade). May conduct research and design authentic period, country, or social class costumes to be worn by film, television, concert, stage, and other performers and be designated Costume Designer (profess. & kin.). May design, fabricate, repair, and sell leather articles and be designated Leather Crafter (leather prod.). May design, copy, or modify clothing accessories and be designated according to article designed as Handbag Designer (leather prod.); Hat Designer (hat & cap); or Shoe Designer (boot & shoe).

GOE: 01.02.03 STRENGTH: L GED: R5 M3 L4 SVP: 7 DLU: 78

142.061-022 FURNITURE DESIGNER (furniture)

Designs furniture for manufacture, according to knowledge of design trends, offerings of competition, production costs, capability of production facilities, and characteristics of company's market: Confers with production, design, and sales personnel to obtain design suggestions and customer orders. Evaluates orders and proposals to determine feasibility of producing item. Sketches freehand design of article. Obtains approval from customer, design committee, or authorized company officials, and originates scale or full size drawing, using drawing instruments. Prepares itemized production requirements to produce item. Traces drawing on material for use in production of blueprints, using drawing instruments. Prepares or directs preparation of blueprints containing manufacturing specifications, such as dimensions, kind of wood, and upholstery fabrics to be used in manufacturing article. Attends staff conference with plant personnel to explain and resolve production requirements. May design and prepare detailed drawings of jigs, fixtures, forms, or tools required to be used in production. May plan modifications

for completed furniture to conform to changes in design trends and increase customer acceptance. May design custom pieces or styles according to specific period or country. May build or oversee construction of models or prototypes. May design fixtures and equipment, such as counters and display cases, and be designated Fixture Designer (furniture).

GOE: 01.02.03 STRENGTH: S GED: R5 M4 L4 SVP: 7 DLU: 77

142.061-026 INDUSTRIAL DESIGNER (profess. & kin.)

Originates and develops ideas to design the form of manufactured products: Reads publications, attends showings, and consults with engineering, marketing, production, and sales representatives to establish design concepts. Evaluates design ideas based on factors such as appealing appearance, design-function relationships, serviceability, materials and methods engineering, application, budget, price, production costs, methods of production, market characteristics, and client specifications. Integrates findings and concepts and sketches design ideas. Presents design to client or design committee and discusses need for modification and change. May design product packaging and graphics for advertising. May build simulated model, using hand and power tools and various materials. May prepare illustrations. May prepare or coordinate preparation of working drawings from sketches and design specifications. May design products for custom applications. May be required to have specialized product knowledge. Usually specializes in specific product or type of product including, but not limited to hardware, motor vehicle exteriors and interiors, scientific instruments, industrial equipment, luggage, jewelry, housewares, toys, or novelties and is designated accordingly.

GOE: 01.02.03 STRENGTH: S GED: R5 M4 L4 SVP: 7 DLU: 77

142.061-030 MEMORIAL DESIGNER (stonework)

Designs and builds plaster models of monuments, statues, and memorials: Interviews customer to obtain information regarding size, style, and motif of memorial. Draws sketches and detailed plans of memorial according to customer's suggestions. Casts plaster block and carves design in block, using chisels, mallets, knives, and files to form model of memorial. Routes finished model and work order specifications to STONE CARVER (stonework). May draw detailed sketches or plans of family burial plots. May build models of cemeteries used as displays.

GOE: 01.02.03 STRENGTH: L GED: R4 M4 L3 SVP: 7 DLU: 77

142.061-034 ORNAMENTAL-METALWORK DESIGNER (struct. metal) alternate titles: art-metal designer

Designs ornamental metal items, such as grills, lattice work, statuary, railings, displays, plaques, and light fixtures, and tooling for fabrication, utilizing knowledge of properties of metal, fabrication techniques, principles of design, and artistic talent: Analyzes sketches or observes and measures physical surroundings prior to installation. Selects designs from pattern book, alters or originates designs according to customer specifications. Draws detail sketches and prescribes fabricating techniques. Forges tools, such as peening hammers, bending jigs, and scroll forms, using forge, machine tools, welding equipment, and hand forming tools. May sculpture plastic patterns to form molding castings. Builds products from original design or working models [ORNAMENTAL-METAL WORKER (metal prod., nec)]. May prescribe colors for painted parts.

GOE: 01.02.02 STRENGTH: L GED: R5 M4 L4 SVP: 8 DLU: 77

142.061-038 SAFETY-CLOTHING-AND-EQUIPMENT DEVELOPER (profess. & kin.) alternate titles: protective-clothing-and-equipment specialist

Designs safety clothing and equipment to protect personnel against hazards, such as fire and toxic fumes: Consults with employers and technical personnel to determine safety problem involved. Designs clothing and equipment, such as suits, helmets, and gloves, incorporating such devices as mechanical breathing apparatus and communication systems to meet specific hazards. Drafts pattern of garment parts on pattern paper in full scale, using ruler, drawing instruments, and pattern blocks, and cuts material to make first pattern. Gives instructions to workers engaged in cutting material and assembling sample garment. May estimate cost of production.

GOE: 05.01.07 STRENGTH: L GED: R5 M3 L5 SVP: 8 DLU: 77

142.061-042 SET DECORATOR (motion picture; radio-tv broad.)

Selects decorations and coordinates activities of workers who decorate sets for motion picture or television production: Reads script to determine decoration requirements. Selects furniture, draperies, pictures, lamps, and rugs for decorative quality and appearance on film. Gives directions to GRIP (motion picture; radio-tv broad.) in placing items on set. Examines dressed sets to ensure props and scenery do not interfere with movements of cast or view of camera.

GOE: 01.02.03 STRENGTH: S GED: R5 M2 L4 SVP: 8 DLU: 77

142.061-046 SET DESIGNER (motion picture; radio-tv broad.)

Designs motion picture or television production sets, signs, props, or scenic effects, and prepares scale drawings for use in construction, modification, or alteration: Confers with

ART DIRECTOR (motion picture; radio-tv broad.) 142.061-062 and reviews illustrations to determine set requirements and discuss preliminary design ideas. Integrates requirements and concepts to conceive set design. Prepares rough draft and scale working drawings of set [DRAFTER (profess. & kin.) Master Title]. Presents drawings for approval and makes changes and corrections as directed. May design miniature motion picture or television production sets used in filming backgrounds, titles, and special effects and be designated Miniature Set Designer (motion picture; radio-tv broad.). May purchase construction materials and ready made props to ensure availability for use by freelance workers. May schedule times television production sets and props are to be used, and coordinate setup and storage of television production sets and props.

GOE: 01.02.03 STRENGTH: L GED: R5 M3 L4 SVP: 8 DLU: 88

142.061-050 SET DESIGNER (amuse. & rec.) alternate titles: scenic designer; theatrical-scenic designer

Designs sets for theatrical productions: Confers with play's director regarding interpretation and set requirements. Conducts research to determine appropriate architectural and furnishing styles. Integrates requirements, interpretation, research, design concepts, and practical considerations regarding factors, such as mobility, interchangeability, and budget to plan sets. Renders drawing or illustration of design concept, estimates costs, and presents drawing for approval. Prepares working drawings of floor plan, front elevation, scenery, and properties to be constructed. Prepares charts to indicate where items, such as curtains and borders are to be hung. Oversees building of sets, furniture, and properties. May build scale models from cardboard, plaster, or sponge. May design stage lighting to achieve dramatic or decorative effects.

GOE: 01.02.03 STRENGTH: L GED: R5 M3 L4 SVP: 8 DLU: 77

142.061-054 STAINED GLASS ARTIST (profess. & kin.)

Creates original stained glass designs and artwork, draws cartoons (full size working drawings), and prepares glass for fabrication into windows, art objects, and other decorative articles: Consults client regarding theme and subject to be portrayed. Studies style of building architecture and shape of windows to plan conforming design. Integrates knowledge of glass cutting, stresses, portraiture, symbolism, heraldry, ornamental styles, and related factors with functional requirements to conceptualize design idea. Renders illustration of design and detail, estimates costs, and presents to client for approval. Prepares full size, detailed color cartoon indicating size, shape, shading, and detail of individual glass pieces. Transfers cartoon into pattern, selects colored glass, and cuts glass according to pattern. Assembles cut pieces into design pattern and waxes pieces in place to secure glass for painting. Paints artwork and detail on glass, using artist's brushes and ground glass mixed with enamel, and copper or iron oxide. Stains back of glass pieces prior to or after firing. Fires glass to fuse and stabilize colors. May assemble, lead,

and solder finished glass to fabricate designed article. May install finished window in window frame or door. May restore damaged or broken stained glass objects. May only design, paint, or draw cartoons.

GOE: 01.02.02 STRENGTH: S GED: R5 M3 L4 SVP: 8 DLU: 77

142.061-058 EXHIBIT DESIGNER (museums)

Plans, designs, and oversees construction and installation of permanent and temporary exhibits and displays: Confers with administrative, curatorial, and exhibit staff members to determine theme, content, interpretative or informational purpose, and planned location of exhibit, to discuss budget, promotion, and time limitations, and to plan production schedule for fabrication and installation of exhibit components. Prepares preliminary drawings of proposed exhibit, including detailed construction, layout, and special effect diagrams and material specifications, for final drawing rendition by other personnel, basing design and specifications on knowledge of artistic and technical concepts, principles, and techniques. Submits plan for approval, and adapts plan as needed to serve intended purpose or to conform to budget or fabrication restrictions. Oversees preparation of artwork and construction of exhibit components to ensure intended interpretation of concepts and conformance to structural and material specifications. Arranges for acquisition of specimens or graphics or building of exhibit structures by outside contractors as needed to complete exhibit. Inspects installed exhibit for conformance to specifications and satisfactory operation of special effects components. Oversees placement of collection objects or informational materials in exhibit framework.

GOE: 01.02.03 STRENGTH: S GED: R5 M4 L5 SVP: 7 DLU: 86

142.061-062 ART DIRECTOR (motion picture; radio-tv broad.)

Formulates design concepts, selects locations and settings, and directs and coordinates set design, construction, and erection activities to produce sets for motion picture and television productions: Reads script and confers with heads of production and direction to establish budget, schedules, and determine setting requirement. Conducts research and consults experts to establish architectural styles which accurately depict given periods and locations. Conducts search for suitable locations and constructed sets. Assigns assistants and staff members to complete design ideas and prepare sketches, illustrations, and detailed drawings of sets. Directs design and production of graphics or animation to produce graphics or animation for on-air programs. Estimates construction costs and presents plans and estimates for approval. Directs and coordinates set construction, erection, and decoration activities to ensure that they conform to design, budget, and schedule requirements. Reviews budget and expenditures reports to monitor costs. May make rough drawings of design concepts. May formulate design concepts for costumes, makeup, photographic effects, titles, and related production items.

GOE: 01.02.03 STRENGTH: S GED: R5 M3 L5 SVP: 8 DLU: 89

142.081-010 FLORAL DESIGNER (retail trade) alternate titles: florist

Designs and fashions live, cut, dried, and artificial floral and foliar arrangements for events, such as holidays, anniversaries, weddings, balls, and funerals: Confers with client regarding price and type of arrangement desired. Plans arrangement according to client's requirements and costs, utilizing knowledge of design and properties of materials, or selects appropriate standard design pattern. Selects flora and foliage necessary for arrangement. Trims material and arranges bouquets, sprays, wreaths, dish gardens, terrariums, and other items, using wire, pins, floral tape, foam, trimmers, cutters, shapers, and other materials and tools. May decorate buildings, halls, churches, or other facilities where events are planned. May pack and wrap completed arrangements. May estimate costs and price arrangements. May conduct classes or demonstrations. May instruct and direct other workers. May arrange according to standard designs or under instruction of designer and be designated Floral Arranger (retail trade).

GOE: 01.02.03 STRENGTH: L GED: R4 M3 L3 SVP: 6 DLU: 77

142.081-014 FUR DESIGNER (fur goods)

Designs or redesigns custom and commercial fur garments: Analyzes fashion trends and predictions and confers with client or sales and management executives regarding design ideas. Sketches design on paper to make or restyle garment, utilizing knowledge of various kinds of fur, techniques for handling fur, and fashion trends. Obtains customer measurements, using tape measure. Draws pattern on paper according to customer measurements and cuts out pattern. Lays pattern on canvas and cuts out material, using scissors. Sews together sections of canvas to form mockup of garment. Fits mockup on customer and makes necessary alterations. Directs workers engaged in cutting and sewing garment. Examines completed garments for defects. May estimate cost of restyling or of making new garment.

GOE: 01.02.03 STRENGTH: L GED: R4 M2 L4 SVP: 7 DLU: 77

142.081-018 PACKAGE DESIGNER (profess. & kin.)

Designs containers for products, such as foods, beverages, toiletries, cigarettes, and medicines: Confers with representatives of engineering, marketing, management, and other departments to determine packaging requirements and type of product market. Sketches design of container for specific product, considering factors, such as convenience in handling and storing, distinctiveness for identification by consumer, and

simplicity to minimize production costs. Renders design, including exterior markings and labels, using paints and brushes. Typically fabricates model in paper, wood, glass, plastic, or metal, depending on material to be used in package. Makes changes or modifications required by approving authority.

GOE: 01.02.03 STRENGTH: S GED: R5 M3 L4 SVP: 7 DLU: 77

142.281-010 COPYIST (garment)

Gathers information on current trends in garment styling and sketches representations of competitors' garments, such as dresses, coats, and trousers: Attends garment fashion shows, concerts, and other public activities and reviews garment magazines and manuals to obtain information concerning style trends, consumer preferences, and price ranges. Sketches garments in pencil, crayon, or other medium to illustrate such details as garment style and type of fabric. May design original garments, incorporating features of observed garments.

GOE: 01.02.03 STRENGTH: L GED: R4 M2 L4 SVP: 6 DLU: 77

143 Occupations in Photography

This group includes occupations concerned with photographing people, events, fictionalized scenes, materials, and products with still or motion-picture cameras. Includes conceiving artistic photographic effects and arranging and preparing subject matter.

143.062-010 DIRECTOR OF PHOTOGRAPHY (motion picture; radio-tv broad.) alternate titles: camera operator, first; camera operator, head; cinematographer

Plans, directs, and coordinates motion picture filming: Confers with DIRECTOR, MOTION PICTURE (motion picture) regarding interpretation of scene and desired effects. Observes set or location and reviews drawings and other information relating to natural or artificial conditions to determine filming and lighting requirements. Reads charts and computes ratios to determine required lighting, film, shutter angles, filter factors, camera distance, depth of field and focus, angles of view, and other variables to produce desired effects. Confers with ELECTRICIAN, CHIEF (motion picture) to establish lighting requirements. Selects cameras, accessories, equipment, and film stock, utilizing knowledge of filming techniques, filming requirements, and computations. Instructs camera operators regarding camera setup, angles, distances, movement, and other variables and signals cues for starting and stopping filming. Surveys set or location for potential problems, observes effects of lighting, measures lighting levels, and coordinates necessary changes prior to filming. Views film after processing and makes adjustments, as necessary, to achieve desired effects. May direct television productions

which utilize electronic cameras. May specialize in special effects and be designated Director Of Photography, Special Effects (motion picture; radio-tv broad.).

GOE: 01.02.03 STRENGTH: L GED: R5 M4 L4 SVP: 8 DLU: 77

143.062-014 PHOTOGRAPHER, AERIAL (profess. & kin.)

Photographs segments of earth and other subject material from aircraft to produce pictures used in surveying, mapping, volumetric surveying, or related purposes, such as recording effects of pollution or natural disasters, determining condition of crops and timberland, and planning cities or other large scale projects: Sets up and mounts camera in aircraft. Confers with pilot regarding plotted course, speed, altitude, and area to be photographed. Communicates with pilot during flight to ensure adherence to flight plan or make adjustments to equipment to compensate for changes. Calculates number of exposures and time lapse between them, using standard formulas to determine requirements for adequate area coverage. Adjusts camera shutter speed, lens aperture opening, and focus. Adjusts automatic exposure interval on camera equipped with time lapse control or times intervals with stopwatch and manually trips shutter. Maintains camera in level position and oriented to flight path when making photographs for mapping or surveying. May match individual photographs to form terrain map of photographed area.

GOE: 01.06.01 STRENGTH: L GED: R4 M3 L3 SVP: 7 DLU: 77

143.062-018 PHOTOGRAPHER, APPRENTICE (profess. & kin.) alternate titles: commercial photographer apprentice; portrait photographer apprentice

Performs duties as described under APPRENTICE (any industry) Master Title.

GOE: 01.02.03 STRENGTH: L GED: R4 M3 L4 SVP: 7 DLU: 77

143.062-022 CAMERA OPERATOR (motion picture; radio-tv broad.)

Photographs various subjects and subject material, using motion picture, television broadcasting, or video recording cameras and equipment, utilizing knowledge of motion picture, television broadcasting, or video recording techniques, limitations, and advantages to photograph scenes: Resolves problems presented by exposure control, subject and camera movement, changes in subject distance during filming, and related variables. May receive directives from PRODUCER (radio-tv broad.) 159.117-010 or DIRECTOR, TELEVISION (radio-tv broad.) 159.067-014 over headset. May set up and operate dollies, cranes, camera mounting heads, power zooms, and related motion picture, television broadcasting, or video recording equipment and accessories. May maintain or repair equipment and accessories. May specialize in particular subject

material or field, such as medical, scientific, news, or commercial. May photograph action on motion picture or television sets and locations, using shoulder held camera, and be designated Camera Operator, Second (motion picture; radio-tv broad.) or photograph special effects and be designated Camera Operator, Special Effects (motion picture; radio-tv broad.). May specialize in operation of television cameras and be designated Camera Operator, Television (radio-tv broad.). May specialize in operation of motion picture cameras and be designated Photographer, Motion Picture (motion picture).

GOE: 01.02.03 STRENGTH: M GED: R4 M3 L4 SVP: 7 DLU: 88

143.062-026 PHOTOGRAPHER, SCIENTIFIC (profess. & kin.)

Photographs variety of subject material to illustrate or record scientific data or phenomena, utilizing knowledge of scientific procedures and photographic technology and techniques: Plans methods and procedures for photographing subject material and setup of equipment required, such as microscopes, telescopes, infrared or ultraviolet lighting, and x ray. Sets up and positions camera for photographing material or subject. Trips shutter to expose film. May prepare microscope slides. May make photographic copies of fragile documents and other material. May engage in research to develop new photographic procedures, methods, and materials. May process film and photographic paper to produce transparencies, prints, slides, and motion picture film. Usually specializes in specific field, such as chemistry, biology, medicine, metallurgy, physiology, astronomy, aerodynamics, ballistics, or engineering and is designated accordingly.

GOE: 02.04.01 STRENGTH: L GED: R4 M3 L4 SVP: 7 DLU: 77

143.062-030 PHOTOGRAPHER, STILL (profess. & kin.) alternate titles: commercial photographer

Photographs subjects, using still cameras, color or black-and-white film, and variety of photographic accessories: Selects and assembles equipment according to subject material, anticipated conditions, and knowledge of function and limitations of various types of cameras, lenses, films, and accessories. Views subject and setting and plans composition, camera position, and camera angle to produce desired effect. Arranges subject material, poses subject, or maneuvers into position to take candid photo. Estimates or measures light level, using light meter or creates artificial lighting with flash units, lights, and lighting equipment. Adjusts lens aperture and shutter speed based on combination of factors, such as lighting, depth of field, subject motion, and film speed. Determines subject-to-lens distance, using tape measure, range finder, ground glass, or reflex viewing system to adjust focus. Positions camera and trips shutter to expose film. May calculate variables, such as exposure time, exposure interval, filter effect, and color temperature using tables, standard formulas, and mechanical or electronic measuring instruments. May make adjustments to camera, lens, or equipment to compensate for factors, such as

distorted perspective and parallax. May design, build, arrange, or secure properties and settings to be used as background for subject material. May direct activities of other workers. May mix chemicals, process film and photographic paper, and make contact and enlarged prints. May spot and retouch prints and negatives. May conceive and plan photographic sequence for effective presentation. May specialize in particular type of photography, such as illustrative, fashion, architectural, or portrait. May be required to have detailed knowledge of use and characteristics of various types of film, including specialty films, such as infrared.

GOE: 01.02.03 STRENGTH: L GED: R4 M3 L4 SVP: 7 DLU: 88

143.062-034 PHOTOJOURNALIST (print. & pub.; radio-tv broad.) alternate titles: photographer, news

Photographs newsworthy events, locations, people, or other illustrative or educational material for use in publications or telecasts, using still cameras: Travels to assigned location and takes pictures. Develops negatives and prints film. Submits negatives and pictures to editorial personnel. Usually specializes in one phase of photography, as news, sports, special features, or as freelance photographer.

GOE: 01.02.03 STRENGTH: L GED: R4 M2 L4 SVP: 7 DLU: 77

143.260-010 OPTICAL-EFFECTS-CAMERA OPERATOR (motion picture)

Sets up and operates optical printers and related equipment to produce fades, dissolves, superimpositions, and other optical effects required in motion pictures, applying knowledge of optical effects printing and photography: Reads work order and count sheet to ascertain optical effects specifications and location of subject material on original photography film. Analyzes specifications to determine work procedures, sequence of operations, and machine setup, using knowledge of optical effects techniques and procedures. Loads camera of optical effects printer with magazine of unexposed film stock. Mounts original photography film in transport and masking mechanism of optical-printer projector and moves film into designated position for optical effect, using counter and film markings to determine placement. Adjusts camera position, lens position, mask opening, lens aperture, focus, shutter angle, film transport speed, and related controls, using precision measuring instruments and knowledge of optical effects techniques to determine settings. Selects designated color and neutral density filters and mounts in filter holder to control light and intensity. Sets controls in automatic or manual mode, moves control to start camera, and observes printer operation and footage counter during filming. Adjusts controls during filming operation when operating in manual mode, and stops camera when designated counter reading is observed. Moves controls to rewind camera film and original photography film and repeats select portions or entire operation number of times necessary to produce designated effect. Sets up and operates animation and matte cameras and related equipment to photograph artwork, such as titles and

painted mattes. Sets up and operates single pass optical printers when enlarging or reducing film or performing related operations. Sets up and operates subtitle camera and related equipment to photograph film subtitles. Examines frames of film exposed with different combinations of color filters (wedges) to select optimum color balance based on experience and judgment.

GOE: 01.02.03 STRENGTH: L GED: R4 M3 L3 SVP: 7 DLU: 86

143.362-010 BIOLOGICAL PHOTOGRAPHER (profess. & kin.)

Photographs medical, biological, and allied phenomena to provide illustrations for scientific publications, records, and research and teaching activities: Makes still and motion picture reproductions of patients, anatomical structures, gross and microscopic specimens, plant and animal tissues, and physiological and pathological processes. Makes copies of x rays and similar materials, utilizing photographic techniques, such as time-lapse and ultraspeed pictures, and ultraviolet or infrared light to produce visible record of normally invisible phenomena. Processes photosensitive materials to make transparencies, lantern slides, photomontages, and color prints. Engages in research activities related to biological photography and presentation of scientific data. May design special equipment and processing formulas. May specialize in a particular technique, such as cinematography, color photography, or photomicrography. May specialize in a particular field, such as medicine, and be designated Medical Photographer (medical ser.).

GOE: 02.04.02 STRENGTH: L GED: R4 M3 L3 SVP: 6 DLU: 77

143.362-014 OPHTHALMIC PHOTOGRAPHER (medical ser.)

Photographs medical phenomena of eye to document diseases, surgeries, treatments, and congenital problems, to aid OPHTHALMOLOGIST (medical ser.) 070.101-058 in diagnosis and treatment of eye disorders: Focuses specialized microscope and cameras to take two- and three-dimensional photographs of external, anterior, and posterior segments of eye. Monitors patient's gaze through lens of microscope and camera to ensure that patient complies with instructions to obtain desired results. Selects filters to modify light. Injects contrast medium into vein of patient and photographs fluorescent dye as it flows through retina or iris vessels to obtain angiogram of eye. Develops exposed film, and mounts and labels slides for inclusion on patient's medical chart. May photograph eye to document research studies.

GOE: 02.04.02 STRENGTH: L GED: R4 M4 L4 SVP: 6 DLU: 89

143.382-010 CAMERA OPERATOR, ANIMATION (motion picture)

Operates special camera to make animated cartoon motion picture films: Places background drawing on horizontal easel over which camera is suspended. Positions transparent celluloid slide on which animation has been drawn over background and covers it with glass plate. Exposes frame of motion picture film and repeats process, using next drawing in animation sequence. Regulates exposure and aperture to obtain special effects, such as fade out or fade-ins.

GOE: 05.10.05 STRENGTH: L GED: R4 M3 L3 SVP: 6 DLU: 77

143.382-014 PHOTOGRAPHER, FINISH (amuse. & rec.) alternate titles: photo-finish photographer

Operates photographic equipment to photograph finish of horse race: Loads film into camera and advances to picture taking position. Sights camera on finish line and adjusts exposure controls and focus. Observes race and starts camera as horses approach finish line. Stops camera after last horse has crossed finish line. Removes exposed film from camera and places it into film-developing machine that automatically develops film. Prints and enlarges photographs used to determine winner of race when finish is close.

GOE: 05.10.05 STRENGTH: L GED: R4 M2 L3 SVP: 6 DLU: 77

143.457-010 PHOTOGRAPHER (amuse. & rec.)

Persuades nightclub and restaurant patrons to pose for pictures and operates camera to photograph them: Carries camera and flashbulb equipment to tables and solicits customers' patronage. Adjusts camera and photographs customers. Takes exposed film to darkroom on premises for immediate processing by DEVELOPER (photofinishing). Returns to customers with finished photographs or proofs and writes orders for additional prints selected. Receives payment for photographs. May use camera which produces instant picture.

GOE: 08.03.01 STRENGTH: L GED: R3 M1 L3 SVP: 3 DLU: 77

144 Fine Artists: Painters, Sculptors, and Related Occupations

This group includes occupations concerned with creating fine arts works whose primary purpose is to be viewed for esthetic content. The major factor distinguishing occupations in this group from those in commercial art is the retention of responsibility for selection of theme, subject matter, medium, and manner of execution.

144.061-010 PAINTER (profess. & kin.) alternate titles: artist

Paints variety of original subject material, such as landscapes, portraits, still lifes, and abstracts, using watercolors, oils, acrylics, tempera, or other paint medium: Conceives and develops ideas for painting, based on assignment, personality, interests, and knowledge of painting methods and techniques. Applies color medium to canvas or other surface, using brushes, pallet knives, and various other artist's tools and equipment. Integrates and develops visual elements, such as line, space, mass, color, and perspective to produce desired effect. May make preliminary sketch of painting. May coat finished painting with varnish or other preservative. May paint in particular style, such as realism, impressionism, naturalism, or regionalism. May specialize in particular media, or subject material. May teach painting [TEACHER, ART (education)]. May work in other art mediums, such as etching, drawing, or sculpture. May be identified according to specialization, style, media, technique, or subject matter. May paint scenic backgrounds, murals, portraiture, and other items for use on motion picture and television production sets and be designated Scenic Artist (motion picture; radio-tv broad.).

GOE: 01.02.02 STRENGTH: L GED: R5 M2 L4 SVP: 8 DLU: 77

144.061-014 PRINTMAKER (profess. & kin.)

Conceives and develops drawings and other art work and prepares printmaking medium used to print fine arts graphics: Determines printmaking method, such as recessed (intaglio), raised (relief), or flat (lithograph), which will be most effective to reproduce conceived art work. Renders art work on stone, metal, wood, linoleum, or other material, using various tools, procedures, and processes to etch, engrave, carve, paint, draw, or perform some similar operation, utilizing knowledge of art and printing to prepare image capable of being transferred. Inks surface of medium and transfers image to paper, using hand or machine press. Examines proofs and makes corrections to art work, if necessary. Approves and signs final proof. May prepare preliminary sketches. May use photographic or silk screen process to produce image. May use any suitable textured surface for printmaking medium. May use more than one process on single graphic. May print entire edition or instruct other workers to print it. May teach printmaking.

GOE: 01.02.03 STRENGTH: S GED: R5 M2 L4 SVP: 8 DLU: 77

144.061-018 SCULPTOR (profess. & kin.) alternate titles: statue maker

Designs and constructs three-dimensional art works, utilizing any combination of mediums, methods, and techniques: Carves objects from stone, concrete, plaster, wood, or other material, using abrasives, chisels, gouges, mallets, and other handtools and power tools. Models plastic substance, such as clay or wax, using fingers and small handtools to form objects which may be cast in bronze or concrete, or fired to harden objects. Constructs artistic forms from metal or stone, using metalworking, welding, or masonry tools and equipment. Cuts, bends, laminates, arranges, and fastens individual or mixed raw and manufactured materials and products to form art works. Usually works

under contract or commission. May teach sculpturing [TEACHER, ART (education)]. May specialize in one technique or medium and be identified accordingly.

GOE: 01.02.02 STRENGTH: L GED: R5 M3 L4 SVP: 8 DLU: 77

149 Occupations in Art, N.E.C.

This group includes occupations, not elsewhere classified, concerned with art.

149.021-010 TEACHER, ART (education) alternate titles: art instructor

Instructs pupils in art, such as painting, sketching, designing, and sculpturing: Prepares lesson plans and establishes course goals. Selects books and art supplies for courses. Demonstrates method and procedure to pupils. Observes and evaluates pupils' work to determine student progress or to make suggestions for improvement. Confers with student, parent, and counselor to resolve student problem. Accompanies students on field trips to museums or art galleries. May specialize in teaching one or more areas of art, such as illustration, art history, or commercial art. May direct planning and supervision of student contests and arranging of art exhibits. May teach students with disabilities. May be required to have certification from state. May be designated according to subject taught as Instructor, Illustration (education); Instructor, Industrial Design (education).

GOE: 01.02.01 STRENGTH: L GED: R5 M4 L5 SVP: 7 DLU: 80

149.031-010 SUPERVISOR, SCENIC ARTS (motion picture; radio-tv broad.)

Creates layouts of scenery and backdrops for motion picture and television sets according to instructions, and supervises and coordinates activities of artists who paint them: Confers with ART DIRECTOR (motion picture; radio-tv broad.) 142.061-062 regarding details of background against which action is to be photographed. Directs preparation of sketches and designs or assigns work based on illustrations received from ART DIRECTOR (motion picture; radio-tv broad.). Computes amount of surface to be covered by specific color scheme in proportion to its application in scene. Requisitions paint and materials. Estimates costs of paints and other materials, using price lists and records of previous productions, to prepare budget. Estimates number of workers and time required to complete project. May prepare sketches or work drawings, including coloring details of scenery.

GOE: 01.02.03 STRENGTH: L GED: R5 M4 L4 SVP: 8 DLU: 77

149.041-010 QUICK SKETCH ARTIST (amuse. & rec.)

Sketches likeness of customers: Poses subject to accentuate most pleasing features and draws likeness, using pencil, charcoal, pastels, or other medium. May draw sketch from

photograph. May only draw exaggerated likenesses and be designated Caricaturist (amuse. & rec.). May be identified according to medium worked in.

GOE: 01.02.02 STRENGTH: S GED: R5 M1 L3 SVP: 6 DLU: 77

149.051-010 SILHOUETTE ARTIST (amuse. & rec.)

Cuts silhouettes of customers: Poses subject to present pleasing profile and cuts freehand outline of profile from paper (silhouette). Glues silhouette on paper of contrasting color or mounts silhouette in frame or folder. May draw profile prior to cutting it. May cut profile from photograph. May use strong lights adjusted to cast subject's shadow on backdrop as aid in viewing subject's profile.

GOE: 01.02.02 STRENGTH: S GED: R5 M1 L3 SVP: 6 DLU: 77

149.061-010 AUDIOVISUAL PRODUCTION SPECIALIST (profess. & kin.) alternate titles: instructional technology specialist

Plans and produces audio, visual, and audiovisual material for communication and learning: Develops production ideas based on assignment or generates own ideas based on objectives and personal interest. Conducts research or utilizes knowledge and training to determine format, approach, content, level, and medium which will be most effective, meet objectives, and remain within budget. Plans and develops, or directs assistants to develop, preproduction ideas into outlines, scripts, continuity, story boards, and graphics. Executes, or directs assistants to execute, rough and finished graphics and graphic designs. Locates and secures settings, properties, effects, and other production necessities. Directs and coordinates activities of assistants and other personnel during production. May review, evaluate, and direct modifications to material produced independently by other personnel. May set up, adjust, and operate equipment, such as cameras, sound mixers, and recorders during production. May perform narration or present announcements. May construct and place in position properties, sets, lighting equipment, and other equipment. May develop manuals, texts, workbooks, or related materials for use in conjunction with production materials. May conduct training sessions on selection, use, and design of audiovisual materials, and operation of presentation equipment. May perform duties listed under DIRECTOR, INSTRUCTIONAL MATERIAL (education) 099.167-018.

GOE: 01.02.03 STRENGTH: L GED: R5 M4 L5 SVP: 7 DLU: 80

149.261-010 EXHIBIT ARTIST (museums)

Produces artwork for use in permanent or temporary exhibit settings of museum, zoo, or similar establishment, performing any combination of following duties to prepare exhibit

setting and accessories for installation: Confers with professional museum personnel to discuss objectives of exhibits and type of artwork needed. Makes scale drawing of exhibit design, indicating size, position, and general outlines of artwork needed for use of installation and other fabrication personnel. Paints scenic, panoramic, or abstract composition on canvas, board, burlap, or other material to be used as background or component of exhibit, following layout prepared by designer. Paints or stencils exhibit titles and legends on boards, or cuts letters from plastic or plywood to form title and legend copy, and mounts letters on panel or board, using adhesives or handtools. Photographs persons, artifacts, scenes, plants, or other objects, and develops negatives to obtain prints to be used in exhibits. Enlarges, intensifies, or otherwise modifies prints, according to exhibit design specifications. Fashions exhibit accessories, such as human figures, tree parts, or relief maps, from clay, plastic, wood, fiberglass, papier mache, or other materials, using hands, handtools, or molding equipment to cut, carve, scrape, mold, or otherwise shape material to specified dimensions. Brushes or sprays protective or decorative finish on completed background panels, informational legends, and exhibit accessories. Maintains files of photographs, paintings, and accessories for use in exhibits.

GOE: 01.02.03 STRENGTH: L GED: R5 M3 L4 SVP: 6 DLU: 86

149.281-010 FURNITURE REPRODUCER (furniture)

Prepares working drawings and templates of antique or custom furniture to facilitate reproduction: Draws sketches of piece, freehand or with drawing instruments. Measures piece with rule and calipers and notes dimensions on drawing. Makes detailed drawing of joints, carvings, and milled sections for shop use [DRAFTER (profess. & kin.)]. Traces or draws outlines of parts on plywood or cardboard and cuts out part along outline to make template. Marks templates to indicate name of part, type of construction, variety of wood, and finish. May make drawings from pictures when models are not available.

GOE: 05.03.02 STRENGTH: S GED: R5 M3 L4 SVP: 7 DLU: 77

15 Occupations in Entertainment and Recreation

This division includes occupations concerned with amusing, diverting, or informing others by such means as sound or physical movement. Includes teaching these skills (except occupations in primary, secondary, and vocational schools which are included in Groups 091, 092, and 097).

150 Occupations in Dramatics

This group includes occupations concerned with interpreting roles to audiences in dramatic productions or readings.

150.027-010 DRAMATIC COACH (profess. & kin.)

Coaches performers in acting techniques: Conducts reading to evaluate performer's acting ability. Adapts training methods to improve and develop performer's competence. Coaches performers in camera or stage techniques, script analysis, voice projection, and character interpretation, to prepare them for stage, motion picture, or television production. Advises clients regarding wardrobe, grooming, and audition methods, to prepare them for professional contacts. May be designated according to area of specialization as Screen Coach (profess. & kin.); Theater Coach (profess. & kin.).

GOE: 01.03.01 STRENGTH: L GED: R5 M2 L5 SVP: 7 DLU: 77

150.027-014 TEACHER, DRAMA (education) alternate titles: instructor, dramatic arts; teacher, dramatics; teacher, theater arts

Teaches acting principles and techniques to individuals or groups: Conducts readings to evaluate student's talent. Adapts course of study and training methods to meet student's need and ability. Teaches enunciation, diction, voice development, and dialects, using voice exercises, speech drills, explanation, lectures, and improvisation. Discusses and demonstrates vocal and body expression to teach acting styles, character development, and personality projection. Produces and directs plays for school and public performances. Auditions students to select cast and assign parts. Rehearses and drills students to ensure they master parts. Assigns nonperforming students to backstage production tasks, such as constructing, painting, moving scenery, operating stage light, and sound equipment. May direct activities of students involved in constructing, painting, and lighting scenery. May teach elements of stagecraft, stage makeup, costume craft, play writing, or play direction.

GOE: 01.03.01 STRENGTH: L GED: R5 M2 L5 SVP: 7 DLU: 77

150.047-010 ACTOR (amuse. & rec.)

Portrays role in dramatic production to interpret character or present characterization to audience: Rehearses part to learn lines and cues as directed. Interprets serious or comic role by speech, gesture, and body movement to entertain or inform audience for stage, motion picture, television, radio, or other media production. May write or adapt own material. May dance and sing. May direct self and others in production [DIRECTOR, MOTION PICTURE (motion picture); DIRECTOR, STAGE (amuse. & rec.)]. May read from script or book, utilizing minimum number of stage properties and relying mainly on changes of voice and inflection to hold audience's attention and be designated Dramatic Reader (amuse. & rec.). May be designated according to gender of worker or type of role portrayed as Actress (amuse. & rec.); Character Actor (amuse. & rec.); Character Actress (amuse. & rec.); Ingenue (amuse. & rec.); Juvenile (amuse. & rec.).

GOE: 01.03.02 STRENGTH: L GED: R5 M2 L5 SVP: 7 DLU: 77

150.067-010 DIRECTOR, STAGE (amuse. & rec.)

Interprets script, directs technicians, and conducts rehearsals to create stage presentation: Confers with PLAYWRIGHT (profess. & kin.) and PRODUCER (amuse. & rec.) to discuss script changes. Confers with MANAGER, STAGE (amuse. & rec.) to coordinate production plans. Rehearses cast in individual roles to elicit best possible performance. Suggests changes, such as voice and movement, to develop performance based on script interpretation and using knowledge of acting techniques. Approves scenic and costume designs, sound, special effects, and choreography. May select cast. May select SET DESIGNER (amuse. & rec.).

GOE: 01.03.01 STRENGTH: L GED: R5 M3 L5 SVP: 8 DLU: 77

150.147-010 NARRATOR (motion picture) alternate titles: motion-picture commentator

Makes explanatory comments to accompany action parts of motion picture: Reads from script and speaks into microphone as film is being projected, timing comments to fit action portrayed. May write script.

GOE: 01.03.03 STRENGTH: L GED: R5 M2 L5 SVP: 5 DLU: 77

151 Occupations in Dancing

This group includes occupations concerned with the interpretation of ideas through rhythmic expression.

151.027-010 CHOREOGRAPHER (amuse. & rec.) alternate titles: director, dance

Creates and teaches original dances for ballet, musical, or revue to be performed for stage, television, motion picture, or nightclub production: Composes dance designed to suggest story, interpret emotion, or enliven show, coordinating dance with music. Instructs performers at rehearsals to achieve desired effect. May audition performers for specific parts. May direct and stage presentation.

GOE: 01.05.01 STRENGTH: L GED: R5 M3 L5 SVP: 8 DLU: 77

151.027-014 INSTRUCTOR, DANCING (education) alternate titles: professor, dance; teacher, dancing

Instructs pupils in ballet, ballroom, tap, and other forms of dancing: Observes students to determine physical and artistic qualifications and limitations and plans programs to meet students' needs and aspirations. Explains and demonstrates techniques and methods of regulating movements of body to musical or rhythmic accompaniment. Drills pupils in execution of dance steps. May teach history of dance. May teach theory and practice of dance notation. May choreograph and direct dance performance. May be designated according to style of dancing taught as Instructor, Ballroom Dancing (education); Instructor, Tap Dancing (education); Teacher, Ballet (education). May be employed by ballet company to train corps de ballet and be designated Ballet Master/Mistress (education).

GOE: 01.05.01 STRENGTH: H GED: R5 M2 L5 SVP: 6 DLU: 80

151.047-010 DANCER (amuse. & rec.)

Dances alone, with partner, or in group to entertain audience: Performs classical, modern, or acrobatic dances, coordinating body movements to musical accompaniment. Rehearses dance movements developed by CHOREOGRAPHER (amuse. & rec.). May choreograph own dance. May sing and provide other forms of entertainment. May specialize in particular style of dancing and be designated according to specialty as Acrobatic Dancer (amuse. & rec.); Ballet Dancer (amuse. & rec.); Ballroom Dancer (amuse. & rec.); Belly Dancer (amuse. & rec.); Chorus Dancer (amuse. & rec.); Interpretative Dancer (amuse. & rec.); Strip-Tease Dancer (amuse. & rec.); Tap Dancer (amuse. & rec.).

GOE: 01.05.02 STRENGTH: H GED: R4 M2 L4 SVP: 7 DLU: 77

152 Occupations in Music

This group includes occupations concerned with the composition, arrangement, rendition, or direction of instrumental or vocal music.

152.021-010 TEACHER, MUSIC (education) alternate titles: music instructor

Teaches individuals or groups instrumental or vocal music in public or private school: Plans daily classroom work based on teaching outline prepared for course of study to meet curriculum requirements. Evaluates students' interests, aptitudes, temperament, and individual characteristics to determine suitable instrument for beginner. Sings or plays instrument to demonstrate musical scales, tones, and rhythm. Instructs students in music theory, harmony, score and sight reading, composition, music appreciation, and provides individual or group vocal and instrumental lessons using technical knowledge, aesthetic appreciation, and prescribed teaching techniques. Conducts group rehearsals and instructs

and coaches members in their individual parts, in fundamentals of musicianship, and ensemble performance. Critiques performance to identify errors and reinforce correct techniques. Leads orchestra and choral groups in regular and special performances for school program, community activities, concerts, and festivals. Meets with parents of student to resolve student problem. May accompany students on field trips to musical performances. May order, store, and inventory musical instruments, music, and supplies. May teach students with disabilities. May be required to have certification from state. May be designated Teacher, Instrumental (education); Teacher, Vocal (education).

GOE: 01.04.01 STRENGTH: L GED: R5 M3 L5 SVP: 7 DLU: 81

152.041-010 MUSICIAN, INSTRUMENTAL (amuse. & rec.)

Plays musical instrument as soloist or as member of musical group, such as orchestra or band, to entertain audience: Studies and rehearses music to learn and interpret score. Plays from memory or by following score. May transpose music to play in alternate key. May improvise. May compose. May play instrument to signal activity, such as flag raising, post time, or arrival of dignitaries at sporting or other events. May be designated according to instrument played as Calliope Player (amuse. & rec.); Drummer (amuse. & rec.); Harpist (amuse. & rec.); Organist (amuse. & rec.); Pianist (amuse. & rec.); Violinist (amuse. & rec.). May accompany soloist or another MUSICIAN, INSTRUMENTAL (amuse. & rec.) and be designated Accompanist (amuse. & rec.).

GOE: 01.04.04 STRENGTH: L GED: R5 M3 L3 SVP: 8 DLU: 77

152.047-010 CHORAL DIRECTOR (profess. & kin.) alternate titles: choir leader;

Conducts vocal music groups, such as choirs and glee clubs: Auditions and selects members of group. Selects music to suit performance requirements and accommodate talent and ability of group. Directs group at rehearsals and performance to achieve desired effects, such as tonal and harmonic balance, dynamics, rhythm, tempo, and shading, utilizing knowledge of conducting techniques and music theory. May schedule tours and performances and arrange for transportation and lodging. May transcribe musical compositions and melodic lines to adapt them to or create particular style for group [ARRANGER (profess. & kin.)]. May conduct group with instrumental accompaniment [CONDUCTOR, ORCHESTRA (profess. & kin.)].

GOE: 01.04.01 STRENGTH: L GED: R5 M3 L5 SVP: 8 DLU: 77

152.047-014 CONDUCTOR, ORCHESTRA (profess. & kin.) alternate titles: band leader; director, music; orchestra leader

Conducts instrumental music groups, such as orchestras and dance bands: Auditions and selects members of group. Selects music to accommodate talents and abilities of group and to suit type of performance to be given. Positions members within group to obtain balance among instrumental sections. Directs group at rehearsals and performances to achieve desired effects, such as tonal and harmonic balance, dynamics, rhythms, tempos, and shadings, utilizing knowledge of conducting techniques, music theory and harmony, range and characteristics of instruments, and talents of individual performers. May transcribe musical compositions and melodic lines to adapt them to or create particular style for group [ARRANGER (profess. & kin.)]. May schedule tours and performances and arrange for transportation and lodging. May be designated according to specialization as Conductor, Dance Band (profess. & kin.); Conductor, Symphonic-Orchestra (profess. & kin.).

GOE: 01.04.01 STRENGTH: L GED: R5 M3 L3 SVP: 9 DLU: 77

152.047-018 DIRECTOR, MUSIC (motion picture; radio-tv broad.) alternate titles: musical director; music department head

Plans and directs activities of personnel in studio music department and conducts studio orchestra: Selects vocal, instrumental, and recorded music suitable to type of program or motion picture and to entertainers who are to render selections. Engages services of COMPOSER (profess. & kin.) 152.067-014, as required, to write score for motion picture or television program. Issues assignments and reviews work of staff in such areas as scoring, arranging, and copying music, lyric writing, and vocal coaching. Auditions and selects vocal and instrumental talent for musical shows. Auditions and hires studio orchestra personnel. Conducts orchestra in recording or broadcast of music [CONDUCTOR, ORCHESTRA (profess. & kin.) 152.047-014].

GOE: 01.04.01 STRENGTH: L GED: R5 M4 L5 SVP: 9 DLU: 77

152.047-022 SINGER (amuse. & rec.; motion picture; radio-tv broad.)

Sings as soloist or member of vocal ensemble: Interprets music, using knowledge of harmony, melody, rhythm, and voice production, to present characterization or to achieve individual style of vocal delivery. Sings, following printed text and musical notation, or memorizes score. May sing a cappella or with musical accompaniment. May watch CHORAL DIRECTOR (profess. & kin.) or CONDUCTOR, ORCHESTRA (profess. & kin.) for directions and cues. May be known according to voice range as soprano, contralto, tenor, baritone, or bass. May specialize in one type of music, such as opera, lieder, choral, gospel, folk, or country and western and be identified according to specialty.

GOE: 01.04.03 STRENGTH: L GED: R4 M3 L4 SVP: 8 DLU: 77

152.067-010 ARRANGER (profess. & kin.) alternate titles: adapter; transcriber; transcriber

Transcribes musical composition for orchestra, band, choral group, or individual to adapt composition to particular style for which it was not originally written: Determines voice, instrument, harmonic structure, rhythm, tempo, and tone balance to achieve desired effect. Writes score, utilizing knowledge of music theory and instrumental and vocal capabilities [ORCHESTRATOR (profess. & kin.)]. May copy parts from score for individual performers within group [COPYIST (any industry)].

GOE: 01.04.02 STRENGTH: S GED: R6 M4 L5 SVP: 8 DLU: 77

152.067-014 COMPOSER (profess. & kin.)

Writes musical compositions: Creates musical ideas, using knowledge of harmonic, rhythmic, melodic, and tonal structure and other elements of music theory, such as instrumental and vocal capabilities. Creates original musical form or writes within circumscribed musical form, such as sonata, symphony, or opera. Transcribes ideas into musical notation.

GOE: 01.04.02 STRENGTH: S GED: R6 M4 L6 SVP: 9 DLU: 77

152.067-018 CUE SELECTOR (radio-tv broad.)

Integrates prerecorded theme, background, and bridge music with story line and film sequence to arrange musical score for episode of television series, using knowledge of film scoring: Reads script of episode to become familiar with story line. Confers with DIRECTOR, TELEVISION (radio-tv broad.) to coordinate interpretation of script, including mood to be conveyed or quality of character stressed. Listens to tape recording of theme, background, and bridge music to become familiar with them. Notes key of music, length of passage, and identification number. Selects passages which match story line of script to form tentative score. Views episode to align selections with action on screen. Gives directions to technical personnel during electronic recording of score from tapes, making changes as needed.

GOE: 01.04.02 STRENGTH: L GED: R6 M4 L5 SVP: 9 DLU: 77

152.067-022 ORCHESTRATOR (profess. & kin.)

Writes score for orchestra, band, choral group, or individual instrumentalist or vocalist: Transposes music from one voice or instrument to another to accommodate particular musician or musical group. Scores composition consistent with instrumental and vocal capabilities, such as range and key, using knowledge of music theory. May transcribe

composition to adapt it to particular style [ARRANGER (profess. & kin.)]. May copy parts from score for individual performers [COPYIST (any industry)].

GOE: 01.04.02 STRENGTH: S GED: R6 M4 L5 SVP: 8 DLU: 77

152.267-010 COPYIST (any industry)

Transcribes musical parts onto staff paper from score written by ARRANGER (profess. & kin.) or ORCHESTRATOR (profess. & kin.) for each instrument or voice, utilizing knowledge of music notation and experience and background in music. May transpose score to different key.

GOE: 01.04.02 STRENGTH: S GED: R5 M3 L5 SVP: 7 DLU: 77

152.367-010 PROMPTER (amuse. & rec.)

Prompts performers in operatic productions: Marks copy of vocal score to note cues. Observes CONDUCTOR, ORCHESTRA (profess. & kin.) and follows vocal score to time cues accurately. Speaks or sings in language required by opera to prompt performers.

GOE: 01.04.02 STRENGTH: L GED: R4 M3 L4 SVP: 7 DLU: 77

153 Occupations in Athletics and Sports

This group includes occupations concerned with application of the theoretical or practical aspects of athletics and sports. Includes teaching physical education at specialty schools or health clubs; scouting for professional athletes; coaching nonschool athletes; and giving instructions in golf, skiing, and similar activities.

153.117-010 HEAD COACH (amuse. & rec.) alternate titles: manager, athletic team

Plans and directs training and recommends acquisition or trade of players for professional athletic team: Directs conditioning of players to achieve maximum athletic performance. Assesses player's skills and assigns team positions. Evaluates own and opposition team capabilities to determine game strategy. Coaches or directs COACH, PROFESSIONAL ATHLETES (amuse. & rec.) to instruct players in techniques of game. Participates in discussions with other clubs to sell or trade players. May participate on team managed and be designated Coach-Player (amuse. & rec.); Player-Manager (amuse. & rec.).

GOE: 12.01.01 STRENGTH: L GED: R5 M4 L4 SVP: 9 DLU: 77

153.117-014 MANAGER, ATHLETE (amuse. & rec.)

Manages affairs of PROFESSIONAL ATHLETE (amuse. & rec.) by negotiating with promoters or others to settle contracts and business matters and directs training: Negotiates with team management and promoters to obtain favorable contracts for client [BUSINESS MANAGER (amuse. & rec.)]. May prescribe exercises, rest periods, and diet to be followed by PROFESSIONAL ATHLETE (amuse. & rec.). May direct ATHLETIC TRAINER (amuse. & rec.; education) in conditioning PROFESSIONAL ATHLETE (amuse. & rec.). May give directions to protege in athletic techniques. May determine strategy to be followed by PROFESSIONAL ATHLETE (amuse. & rec.) in competition with others. May be designated according to type of PROFESSIONAL ATHLETE (amuse. & rec.) managed as Manager, Boxer (amuse. & rec.); Manager, Wrestler (amuse. & rec.).

GOE: 11.12.03 STRENGTH: L GED: R5 M5 L5 SVP: 7 DLU: 77

153.117-018 SCOUT, PROFESSIONAL SPORTS (amuse. & rec.)

Evaluates athletic skills of PROFESSIONAL ATHLETES (amuse. & rec.) to determine fitness and potentiality for professional sports and negotiates with them to obtain services: Reviews prospects' exhibitions and past performance records. Negotiates with PROFESSIONAL ATHLETES (amuse. & rec.) to arrange contracts. Reports to team management results of scouting assignments, such as selection or rejection of PROFESSIONAL ATHLETES (amuse. & rec.) scouted and persons and areas sighted for future recruitment. May be designated according to type of sport in which engaged as Baseball Scout (amuse. & rec.); Basketball Scout (amuse. & rec.); Football Scout (amuse. & rec.).

GOE: 12.01.01 STRENGTH: S GED: R4 M3 L4 SVP: 8 DLU: 77

153.117-022 STEWARD, RACETRACK (amuse. & rec.)

Coordinates and directs racing activities at racetrack: Confers with track management and studies prior racing and attendance records to plan types of races to schedule. Confers with officials of other tracks to plan racing dates to coincide with number of days allotted by state racing commission. Assigns workers to duties, such as inspecting entrants, starting, and judging races to comply with racing commission regulations. Observes workers performing duties to ensure compliance with commission rules and track policy. Approves or disapproves requests of handlers to change equipment on horses. Confers with veterinary personnel regarding horses unfit to race. Serves as member of judiciary board that exercises control over racing participants and makes decisions in accordance with state racing commission rules on such matters as validity of complaints and order of

finishes. Writes reports to comply with state racing commission rules, such as recording and reporting all complaints, actions taken, penalties imposed, and voting record of board members.

GOE: 12.01.02 STRENGTH: L GED: R5 M4 L5 SVP: 8 DLU: 77

153.137-010 MANAGER, POOL (amuse. & rec.)

Supervises and coordinates activities of swimming pool staff to prevent accidents and provide assistance to swimmers, and conducts swimming classes: Assigns duties to lifeguards, locker room attendants, and clerical staff. Schedules swimming classes for basic and specialty techniques, according to enrollment, age, and number of instructors. Meets with employees to discuss and resolve work related problems. Completes staff evaluation forms reflecting information such as work habits, effectiveness in interpersonal relations, and acceptance of responsibility. Instructs individuals or groups in swimming classes, principles of water confidence, and lifesaving. Administers first aid, according to prescribed procedures, or calls emergency medical facility, when necessary. Determines chlorine content, pH value, and color of pool water at periodic intervals during day, using testing kit. Completes forms indicating time, date, and pool water test results. Routes forms to supervisor for evaluation and filing. Maintains required forms, such as time and attendance, inventory list, and program of facility activities.

GOE: 11.11.02 STRENGTH: H GED: R3 M3 L3 SVP: 4 DLU: 86

153.167-010 PADDOCK JUDGE (amuse. & rec.)

Inspects equipment of horses and riders in paddock at racetrack before each race to determine that equipment meets track and state racing commission specifications: Reads racing programs to schedule arrival of horses and riders in paddock area. Examines horse's equipment and rider's attire to assure compliance with racing specifications. Orders equipment changes to conform to racing rules. Refers requests for equipment changes to racing officials. Tells riders to mount and dismount. Signals winning horse and rider to winner's circle. Reports delays in paddock area and equipment changes to racing officials. Examines credentials to prevent unauthorized persons from entering paddock area.

GOE: 12.01.02 STRENGTH: L GED: R4 M2 L3 SVP: 7 DLU: 77

153.167-014 PIT STEWARD (amuse. & rec.) alternate titles: pit boss; referee

Directs activities at automobile or motorcycle racetrack: Determines qualifying order of vehicles for each race based on trial event results or by drawing numbers. Assigns STARTERS (amuse. & rec.) to position on track. Controls traffic to ensure only

authorized number of vehicles are in pit. Directs vehicles to assigned places in pit. Ascertains legality of pit stops according to rules set by sanctioning body authorizing race. Consults with SCORERS (amuse. & rec.) to resolve scoring disputes. Determines penalties to be assessed for rules violation. May inspect vehicles and drivers for safety equipment, such as seat belts, harnesses, and helmets.

GOE: 12.01.02 STRENGTH: L GED: R4 M3 L4 SVP: 6 DLU: 77

153.167-018 RACING SECRETARY AND HANDICAPPER (amuse. & rec.)

Plans and arranges racing schedules and assigns handicapped weights to horses at racetrack: Analyzes official workout and past performance records to arrange races between horses of equal experience and ability. Handicaps horse in each race by assigning weight it will carry, using knowledge of handicapping and based on data, such as age, sex, total winnings of horse, and distances of races won. Confers with track management personnel to plan types of races to schedule and to determine purse for each race. Reviews application requesting permission to enter and train horse for competition. Accepts application and entrance fee from owner. Registers names of persons having financial interest in horse. Reviews racing information to be published in newspaper, racing form, and daily racing program. Directs activities of workers engaged in duties, such as compiling racing information and assigning stable space. Records information regarding official racing result to keep file on each horse's ability. Records changes of ownership and submits report to track officials. May observe race to study ability and form of horse, verify selection of entries, and assignment of handicap weights.

GOE: 12.01.02 STRENGTH: S GED: R4 M4 L4 SVP: 8 DLU: 77

153.224-010 ATHLETIC TRAINER (amuse. & rec.; education)

Evaluates physical condition and advises and treats professional and amateur athletes to maintain maximum physical fitness for participation in athletic competition: Prescribes routine and corrective exercises to strengthen muscles. Recommends special diets to build up health and reduce overweight athletes. Massages parts of players' bodies to relieve soreness, strains, and bruises. Renders first aid to injured players, such as giving artificial respiration, cleaning and bandaging wounds, and applying heat and cold to promote healing. Calls physician for injured persons as required. Wraps ankles, fingers, or wrists of athletes in synthetic skin, protecting gauze, and adhesive tape to support muscles and ligaments. Treats chronic minor injuries and related disabilities to maintain athletes' performance. May give heat and diathermy treatments as prescribed by health service. Workers are identified according to type of sport.

GOE: 10.02.02 STRENGTH: M GED: R5 M4 L4 SVP: 8 DLU: 77

153.227-010 COACH, PROFESSIONAL ATHLETES (amuse. & rec.) alternate titles:
coach

Analyzes performance and instructs PROFESSIONAL ATHLETES (amuse. & rec.) in game strategies and techniques to prepare them for athletic competition: Observes players while they perform to determine need for individual or team improvement. Coaches players individually or in groups, demonstrating techniques of sport coached. Oversees daily practice of players to instruct them in areas of deficiency. Determines strategy during game, independently or in conference with other COACH, PROFESSIONAL ATHLETES (amuse. & rec.) or HEAD COACH (amuse. & rec.) based on factors as weakness in opposing team. May be designated according to phase of game coached as Defensive-Line Coach (amuse. & rec.); Pitching Coach (amuse. & rec.). May be designated according to game coached as Basketball Coach (amuse. & rec.); Football Coach (amuse. & rec.); Swimming Coach (amuse. & rec.); Tennis Coach (amuse. & rec.).

GOE: 12.01.01 STRENGTH: H GED: R5 M3 L4 SVP: 8 DLU: 77

153.227-014 INSTRUCTOR, PHYSICAL (amuse. & rec.; education)

Teaches individuals or groups beginning or advanced calisthenics, gymnastics, and reducing or corrective exercises, in private health club or gymnasium, evaluating abilities of individual to determine suitable training program: Teaches and demonstrates use of gymnastic apparatus, such as trampolines, corrective weights, and mechanical exercisers. Demonstrates and teaches body movements and skills used in sports. Advises clients in use of heat or ultraviolet treatments and hot baths. Lubricates mechanical equipment and reports malfunctioning equipment to maintenance personnel.

GOE: 10.02.02 STRENGTH: L GED: R3 M3 L3 SVP: 6 DLU: 77

153.227-018 INSTRUCTOR, SPORTS (amuse. & rec.; education) alternate titles:
athletic coach

Teaches sport activity to individual or groups at private or public recreational facility or school: Explains and demonstrates use of apparatus and equipment. Explains and demonstrates principles, techniques, and methods of regulating movement of body, hands, or feet to achieve proficiency in activity. Observes students during practice to detect and correct mistakes. Explains and enforces safety rules and regulations. Explains method of keeping score. May organize and conduct competition and tournaments. May participate in competition to demonstrate skill. May purchase, display, sell, maintain, or repair equipment. May keep record of receipts and expenditures. May lecture on history and purpose of sport. Workers are identified according to sport instructed, such as golf, fencing, or tennis.

GOE: 12.01.01 STRENGTH: M GED: R4 M3 L4 SVP: 7 DLU: 81

153.243-010 AUTOMOBILE RACER (amuse. & rec.)

Drives automobile racing car in competition road races: Drives car over track where race is to be run to familiarize self with course. Participates in speed and elimination trial races to qualify car for race. Drives car in race and analyzes speed and position of other cars to determine when and where to drive car so as to be in favorable position to win. Observes fuel, oil, and compression gauges on dashboard of car to ensure that car is operating efficiently. Watches for warning signs, such as flags or flares, that indicate an accident is present and drives car accordingly. May perform maintenance work on car.

GOE: 12.01.03 STRENGTH: M GED: R4 M3 L3 SVP: 6 DLU: 77

153.243-014 MOTORCYCLE RACER (amuse. & rec.)

Rides motorcycle over track, course, or natural terrain in competitive races: Operates motorcycle, using hands and feet to manipulate controls. Evaluates power, speed, maneuverability, and position of own and other motorcycles in race to determine strategy. Listens to engine and reads tachometer to determine gear change and maximum speed which obstacles, such as turns and jumps can be taken. Maneuvers motorcycles to avoid track accident, unexpected barrier, or other emergency situation. Watches for warning flags, and other signals to follow instructions given by track officials. May perform maintenance work on motorcycle. May specialize in one type of competition, such as road, dirt track, motocross, off road, or speedway racing.

GOE: 12.01.03 STRENGTH: H GED: R3 M2 L3 SVP: 5 DLU: 77

153.244-010 JOCKEY (amuse. & rec.)

Rides racehorse at racetrack: Confers with training personnel to plan strategy for race, based on ability and peculiarities of own and other horses in competition. Mounts horse in paddock after weighing-in, and rides horse to specified numbered stall of starting gate. Races from starting gate to finish line. Talks to training personnel after race to analyze horse's performance.

GOE: 12.01.03 STRENGTH: M GED: R4 M2 L3 SVP: 6 DLU: 77

153.244-014 SULKY DRIVER (amuse. & rec.) alternate titles: harness racer

Drives horse-drawn, two-wheel sulky in harness race: Studies performance record of competing horses to plan race strategy. Controls speed of horse in specific sections of racetrack, applying knowledge of harness racing to determine when to challenge for lead

of race. May train own harness racing horses. May direct activities of workers involved in grooming, training, feeding, stabling, handling and transporting harness race horses.

GOE: 12.01.03 STRENGTH: M GED: R4 M2 L3 SVP: 6 DLU: 77

153.267-010 HORSE-RACE STARTER (amuse. & rec.) alternate titles: starter

Determines entry sequence into starting gate and gives directions to riders and other track personnel to get horses into position for horse race: Evaluates performance and training record and observes horse's behavior to determine entry sequence. Directs entry of horse and rider into starting gate according to planned sequence and stall number. Gives directions to track personnel to assist rider when horse refuses to enter starting gate. Reports undue starting delay to racing officials. Presses button to open gate automatically when horses are correctly aligned. May recommend removal of horse unfit to start race. May schedule morning workouts for horses requiring familiarization with starting gate procedures.

GOE: 12.01.02 STRENGTH: L GED: R3 M3 L3 SVP: 4 DLU: 77

153.267-014 PATROL JUDGE (amuse. & rec.)

Observes horse race at racetrack to detect infractions of racing rules and resolve claims of fouls committed: Watches race from elevated stand at one of several locations around track, using binoculars to detect infractions of rules, such as action of JOCKEY (amuse. & rec.) causing another horse to change stride. Reports name and number of horse and rider guilty of foul to racing officials for disciplinary action. Confers with racing officials and watches motion picture of race to verify infractions and to determine validity of complaints lodged by participants. Submits report to racing officials concerning infractions of rules and disciplinary action taken. When flashing numbers of first three horses as race progresses or observing horses in stretch in order to post first four horses crossing finish line, is designated Placing Judge (amuse. & rec.).

GOE: 12.01.02 STRENGTH: L GED: R4 M3 L4 SVP: 8 DLU: 77

153.267-018 UMPIRE (amuse. & rec.) alternate titles: field captain; judge; referee

Officiates at sporting events: Observes actions of participants to detect infractions of rules. Decides disputable matters according to established regulations. When concerned only with determining validity of goals, finish line order, or out-of-bound plays, may be designated Finish Judge (amuse. & rec.); Goal Umpire (amuse. & rec.); Line Umpire (amuse. & rec.).

GOE: 12.01.02 STRENGTH: L GED: R4 M3 L4 SVP: 8 DLU: 77

153.287-010 HOOF AND SHOE INSPECTOR (amuse. & rec.) alternate titles: plating inspector

Inspects hoofs and shoes (plates) of horses at racetrack to determine that hoofs have been trimmed to prevent stumbling during race and to detect loose or broken shoes: Records names of horse, owner, and RACEHORSE TRAINER (amuse. & rec.) and condition of horse's hoofs and shoes. Presents information to STEWARD, RACETRACK (amuse. & rec.) for further action. May remove and replace broken or cracked plates. May instruct handlers to secure plates or trim horses hoofs as required.

GOE: 03.03.02 STRENGTH: L GED: R4 M1 L3 SVP: 6 DLU: 77

153.341-010 PROFESSIONAL ATHLETE (amuse. & rec.)

Participates in professional competitive athletic events, such as football, boxing, and hockey, to entertain audience: Exercises and practices under direction of ATHLETIC TRAINER (amuse. & rec.; education) 153.224-010 or COACH, PROFESSIONAL ATHLETES (amuse. & rec.) 153.227-010 to train for sport. Plays game and engages in sport conforming to established rules and regulations. Athletes are identified according to professional sport in which engaged. May speak, as representative of team or professional sports club, to groups involved in activities, such as sports clinics and fund raisers.

GOE: 12.01.03 STRENGTH: M GED: R4 M2 L3 SVP: 6 DLU: 81

153.367-010 CLOCKER (amuse. & rec.)

Clocks (times) racehorses at racetrack during morning workouts to obtain speed information: Identifies each horse on track by its particular identifying marks and color, and records name. Observes horse during workout and assigns speed rating according to effort extended by horse and rider, distance run, and time required as measured by stopwatch. Records information and submits it to track management.

GOE: 12.01.02 STRENGTH: L GED: R3 M2 L2 SVP: 2 DLU: 77

153.367-014 HORSE-RACE TIMER (amuse. & rec.)

Clocks and records time required for horse leading in race to run specified distance: Observes signal for official start and activates stopwatch to time race. Observes leading horse crossing markers denoting fractional parts and finish line of race to note and record time elapsed. Compares recorded results with those obtained by automatic electronic

timer and reports difference to racing officials. Writes daily report of name, number of leading horse, fractional and total time required for each race to submit to track officials.

GOE: 12.01.02 STRENGTH: L GED: R3 M3 L3 SVP: 3 DLU: 77

153.384-010 MARSHAL (amuse. & rec.)

Rides saddle horse to lead parade of horserace entrants onto track to mobile-starting-gate assembly area. Mounts quarter horse and chases and restrains runaways to prevent injury to horses and thrown riders and disruption of race.

GOE: 12.01.02 STRENGTH: H GED: R3 M1 L1 SVP: 4 DLU: 77

153.387-010 IDENTIFIER, HORSE (amuse. & rec.)

Verifies identification of horses at receiving barn of racetrack: Checks identifying features, such as tattooed registration number on lip and physical appearance with official records and photographs to ensure only horses scheduled to race are permitted in paddock. Releases identified horses to handlers for transfer to paddock for saddling. Notifies track officials when doubt exists as to horses' identity. Records physical changes in horses, such as weight increase or scar received since last inspection, to keep identification records current.

GOE: 12.01.02 STRENGTH: L GED: R3 M3 L3 SVP: 3 DLU: 77

153.387-014 SCORER (amuse. & rec.) alternate titles: lap checker

Records laps completed by drivers in automobile or motorcycle race: Observes vehicles passing start-finish line to obtain count of laps completed by each competitor. Enters lap count onto scoresheet. Totals laps at end of race to determine winner, order of finish, and lap count for each racer. May clock and record time during race and be designated Timer (amuse. & rec.). May give directions to other SCORERS (amuse. & rec.) and be designated Head Scorer (amuse. & rec.).

GOE: 12.01.02 STRENGTH: S GED: R3 M3 L3 SVP: 4 DLU: 77

153.467-010 CLERK-OF-SCALES (amuse. & rec.)

Weighs JOCKEYS (amuse. & rec.) and riding equipment before and after each race to ensure that assigned handicapped weights have been carried during race: Weighs rider and saddle on scale to assure that weight is as specified on racing program. Directs rider to insert or remove lead pads from saddle pocket to meet specified weight. Notifies

racing officials of rider unable to meet weight limit. Weighs rider and equipment after race to assure that lead pads were not lost during race.

GOE: 12.01.02 STRENGTH: L GED: R3 M3 L3 SVP: 3 DLU: 77

153.667-010 STARTER (amuse. & rec.)

Waves signal flags of different color and design to start and stop automobile or motorcycle race and to inform drivers of track condition: Signals slower driver to move aside to allow passage of faster vehicles. Signals drivers to slow down or stops race for clearing of track following accidents. Signals specific driver to return to pit for consultation upon request of AUTOMOBILE MECHANIC (automotive ser.); MOTORCYCLE REPAIRER (automotive ser.); PIT STEWARD (amuse. & rec.), or other track official.

GOE: 12.01.02 STRENGTH: L GED: R3 M2 L2 SVP: 4 DLU: 77

153.674-010 EXERCISER, HORSE (amuse. & rec.)

Rides racehorses to exercise and condition them for racing: Rides racehorse during workout and training races, following specific instructions of training personnel. Informs training personnel of horses' temperament, peculiarities, and physical condition as demonstrated during exercise so that training plans can be modified to prepare horse for racing.

GOE: 03.03.01 STRENGTH: M GED: R2 M1 L1 SVP: 3 DLU: 77

153.674-014 LEAD PONY RIDER (amuse. & rec.)

Rides lead pony to lead JOCKEY (amuse. & rec.) and mount from paddock to starting gate at racetrack: Leads horse scheduled to race from receiving barn to paddock to be saddled. Leads procession of riders in post position order to starting gate. Rides after runaway horse to aid rider regain control. Diverts riders from competitor involved in accident on racetrack. Leads race horse to paddock or receiving barn after race. Assists horse ambulance workers to remove injured horse from track, using block and tackle. Grooms and feeds lead pony.

GOE: 12.01.02 STRENGTH: M GED: R2 M1 L1 SVP: 2 DLU: 77

159 Occupations in Entertainment and Recreation, N.E.C.

This group includes occupations, not elsewhere classified, concerned with entertainment.
159.041-010 MAGICIAN (amuse. & rec.)

Performs original and stock tricks of illusion and sleight of hand to entertain and mystify audience, using props, such as illusion boxes, scarf, cards, rabbit, and jewelry. May include participant from audience in act to remove personal valuables, such as wallets or jewelry, without participant's knowledge.

GOE: 01.03.02 STRENGTH: L GED: R4 M3 L4 SVP: 6 DLU: 77

159.041-014 PUPPETEER (amuse. & rec.)

Originates puppet shows, designs and constructs puppets and moves controls of puppets to animate them for entertainment of audience: Studies media for ideas that relate to fads, stories, plays, and seasonal themes and confers with other staff to develop ideas for new show. Writes or adapts script for use in puppet theater. Sketches designs for puppets based on script. Constructs hand, string, rod, and shadow puppets from materials, such as wood, papier mache, styrofoam, wires, metal, and rubber, using handtools and machine tools. Sews clothing for puppets by hand or machine. Animates puppets, using string, wire, rod, fingers or hand from position above, below, or at level with stage. Talks or sings during performance to give illusion of voice to puppets. May operate audio equipment, such as tape deck, during performance and simultaneously move puppet's mouth in synchronization with music to create illusion of singing.

GOE: 01.03.02 STRENGTH: L GED: R4 M3 L4 SVP: 8 DLU: 79

159.042-010 LASERIST (amuse. & rec.)

Creates optical designs-and-effects show for entertainment of audiences, using control console and related laser projection and recording equipment: Sets up and operates console to control laser projection, recording equipment, and house lights. Presses switches and turns dials to dim house lights, cue opening music, and begin programmed laser sequence. Moves controls to orchestrate colors, patterns, and movements in concert with musical accompaniment. Tests, repairs, and adjusts laser and sound systems, using circuit schematics and test equipment. Examines, cleans, and maintains system cooling, optical, and sound equipment according to preventive maintenance schedule. Discusses show concepts and laser equipment operation with press representatives to promote public relations.

GOE: 05.03.05 STRENGTH: L GED: R5 M3 L4 SVP: 6 DLU: 86

159.044-010 VENTRILOQUIST (amuse. & rec.)

Entertains audience by projecting voice so that it appears to come from dummy or puppet: Changes position of dummy or puppet during performance to give illusion of life. May construct puppet or dummy. May write script for show.

GOE: 01.03.02 STRENGTH: L GED: R4 M2 L4 SVP: 7 DLU: 77

159.047-010 CLOWN (amuse. & rec.)

Dresses in comical costume and makeup and performs original or stock comedy routines to entertain audience.

GOE: 01.03.02 STRENGTH: L GED: R4 M2 L3 SVP: 6 DLU: 77

159.047-014 COMEDIAN (amuse. & rec.) alternate titles: comic

Attempts to make audience laugh by telling jokes, delivering comic lines, singing humorous songs, performing comedy dances or walks, or facial contortions, wearing funny costumes, or resorting to any similar device to amuse audience. May do impersonations [IMPERSONATOR (amuse. & rec.)].

GOE: 01.03.02 STRENGTH: L GED: R5 M2 L4 SVP: 5 DLU: 77

159.047-018 IMPERSONATOR (amuse. & rec.) alternate titles: imitator; mimic

Entertains by impersonating another person, or type of person, or animal, or some inanimate object, usually by copying mannerisms, form, expression, dress, voice, or sound of character or thing impersonated. May be designated according to character impersonated as Animal Impersonator (amuse. & rec.); Female Impersonator (amuse. & rec.); Male Impersonator (amuse. & rec.).

GOE: 01.03.02 STRENGTH: L GED: R4 M2 L4 SVP: 6 DLU: 77

159.047-022 MIME (amuse. & rec.) alternate titles: pantomimist

Presents serious, humorous, or burlesqued interpretations of emotions, dramatic actions, and various situations through body movements, facial expressions, and gestures.

GOE: 01.03.02 STRENGTH: L GED: R5 M2 L3 SVP: 7 DLU: 77

159.067-010 DIRECTOR, MOTION PICTURE (motion picture)

Reads and interprets script, conducts rehearsals, and directs activities of cast and technical crew for motion picture film: Confers with ART DIRECTOR (motion picture; radio-tv broad.) to ensure that music, sets, scenic effects, and costumes conform to script interpretation. Confers with DIRECTOR OF PHOTOGRAPHY (motion picture) to explain details of scene to be photographed and to consider utilization of miniatures, stock film, inserts, transparencies, backgrounds, or trick shots. Schedules sequences of scenes to be filmed for each day of shooting, grouping scenes together according to set and cast of characters. Rehearses cast and suggests changes, using knowledge of acting, voice, and movement to elicit best possible performance. Informs technicians of scenery, lights, props, and other equipment desired. Approves scenery, costumes, choreography, and music. Directs cast, DIRECTOR OF PHOTOGRAPHY (motion picture; radio-tv broad.), and other technicians during rehearsals and final filming. May audition and select cast. May cut and edit film. May direct film on set in studio or on location. May direct film for television.

GOE: 01.03.01 STRENGTH: S GED: R5 M4 L5 SVP: 8 DLU: 77

159.067-014 DIRECTOR, TELEVISION (radio-tv broad.)

Plans and directs audio and video aspects of television programs, based on program specifications and knowledge of television programming techniques: Interprets script, rehearses cast, and establishes pace of program to stay within time requirements. Informs technicians of scenery, lights, props, and other equipment desired. Approves scenery, costumes, choreography, and music. Issues instructions to technicians from control room during telecast to keep them informed of effects desired, such as dissolves, long shots, medium shots, superimpositions, fade-ins, and fade-outs. May move controls to integrate material from multisite origins into live program. May direct news and special events programs. May direct program for live broadcast or for electronic video recording. May direct nonbroadcast television presentation, such as program for sales, medical, educational, or industrial purposes. May direct commercials. May operate viewing/editing equipment to review and edit program tapes, using personal knowledge of television programming and editing techniques. May key information into computer, using keyboard, to compile letters, memos, and other program material, such as scripts and notes. May be designated Producer-Director (radio-tv broad.) in small station.

GOE: 01.03.01 STRENGTH: L GED: R5 M4 L5 SVP: 8 DLU: 89

159.117-010 PRODUCER (radio-tv broad.) alternate titles: associate producer

Plans and coordinates various aspects of radio, television, or cable television programs: Interviews and selects SCREEN WRITERS (motion picture; radio-tv broad.) 131.067-050 and cast principals from staff members or outside talent. Outlines program to be produced to SCREEN WRITERS (motion picture; radio-tv broad.) and evaluates finished script. Composes or edits program script to meet management or other requirements,

using typewriter or computer terminal. Coordinates various aspects of production, such as audio work, scenes, music, timing, camera work, and script writing. Gives instructions to staff to schedule broadcast and to develop and coordinate details to obtain desired production. Reviews production to ensure objectives are attained. Views taped program to select scenes to be used for promotional purposes, using video equipment. Listens to audio tape recording to verify program, script, or sound effects conform to broadcast standards, using audio equipment. May obtain costumes, props, music, or other equipment or personnel to complete production. May represent television network, acting as liaison to independent producer of television series produced for network broadcast. May review budget and expenditures for programs or commercial productions for conformance to budgetary restrictions. May coordinate production details to produce live television programs from locations distant from station. May be designated according to level of responsibility and by type of show produced as Executive Producer (radio-tv broad.); or by type of media as Radio Producer (radio-tv broad.); Television Producer (radio-tv broad.).

GOE: 01.03.01 STRENGTH: L GED: R6 M4 L6 SVP: 8 DLU: 89

159.124-010 COUNSELOR, CAMP (amuse. & rec.)

Directs activities of children at vacation camp: Plans activities, such as hikes, cookouts, and campfires, to provide wide variety of camping experiences. Demonstrates use of camping equipment and explains principles and techniques of activities, such as backpacking, nature study, and outdoor cooking, to increase campers' knowledge and competence. Plans and arranges competition in activities, such as team sports or housekeeping, to stimulate campers' interest and participation. Demonstrates use of materials and tools to instruct children in arts and crafts. Instructs campers in skills, such as canoeing, sailing, swimming, archery, horseback riding, and animal care, explaining and demonstrating procedures and safety techniques. Organizes, leads, instructs, and referees games. Enforces camp rules and regulations to guide conduct, maintain discipline, and safeguard health of campers. May be identified according to type of camp activity.

GOE: 09.01.01 STRENGTH: M GED: R4 M2 L4 SVP: 5 DLU: 80

159.147-010 ANNOUNCER (radio-tv broad.) alternate titles: radio board operator-announcer

Announces radio and television programs to audience: Memorizes script, reads, or ad-libs to identify station, introduce and close shows, and announce station breaks, commercials, or public service information. Cues worker to transmit program from network central station or other pick-up points according to schedule. Reads news flashes to keep audience informed of important events. May rewrite news bulletin from wire service teletype to fit specific time slot. May describe public event such as parade or convention.

May interview guest, such as sport or other public personality, and moderate panel or discussion show to entertain audience. May keep daily program log. May operate control console (radio board). May perform additional duties in small stations, such as operating radio transmitter [TRANSMITTER OPERATOR (radio-tv broad.) 193.262-038], selling time, or writing advertising copy. May be designated according to media as Radio Announcer (radio-tv broad.); Television Announcer (radio-tv broad.). May announce program of local interest and be designated Local Announcer (radio-tv broad.). May announce program for transmission over network and affiliated stations and be designated Network Announcer (radio-tv broad.). May announce in foreign language for international broadcast and be designated Announcer, International Broadcast (radio-tv broad.). May describe sporting event during game from direct observation or announce sports news received at station for radio or television broadcasting and be designated Sports Announcer (radio-tv broad.).

GOE: 01.03.03 STRENGTH: L GED: R5 M3 L4 SVP: 6 DLU: 89

159.147-014 DISC JOCKEY (radio-tv broad.)

Announces radio program of musical selections: Selects phonograph or tape recording to be played based on program specialty, knowledge of audience taste, or listening audience requests. Comments on music and other matters of interest to audience, such as weather, time, or traffic conditions. May interview musical personalities. May interview members of listening audience who telephone musical requests. May specialize in one type of music, such as classical, pop, rock, or country and western. May write entries onto log to provide information on all elements aired during broadcast, such as musical selections and station promotions. May be designated Combination Operator (radio-tv broad.) when operating transmitter or control console.

GOE: 01.03.03 STRENGTH: L GED: R5 M3 L5 SVP: 5 DLU: 89

159.147-018 SHOW HOST/HOSTESS (radio-tv broad.) alternate titles: game show host/hostess; talent; talk show host/hostess

Performs any combination of following duties to broadcast program over television or radio: Discusses and prepares program content with PRODUCER (radio-tv broad.) 159.117-010 and assistants. Interviews show guests about their lives, their work, or topics of current interest. Discusses various topics over telephone with viewers or listeners. Asks questions of contestants, or manages play of game, to enable contestants to win prizes. Describes or demonstrates products that viewers may purchase by telephoning show or by mail, or may purchase in stores. Acts as Host/Hostess at civic, charitable, or promotional events that are broadcast over television or radio.

GOE: 01.03.03 STRENGTH: L GED: R5 M3 L5 SVP: 6 DLU: 89

159.167-010 ARTIST AND REPERTOIRE MANAGER (amuse. & rec.)

Selects recording artists and musical selections for production of phonograph records: Auditions recording artist or record to select most appropriate talent for each recording, using knowledge of vocal and instrumental technique and familiarity with popular taste in music. May direct recording sessions. May promote record sales by personal appearances and contacts with broadcasting personalities.

GOE: 01.04.01 STRENGTH: L GED: R4 M3 L4 SVP: 7 DLU: 77

159.167-014 DIRECTOR, RADIO (radio-tv broad.) alternate titles: director, broadcast

Directs rehearsals and broadcast of one or more radio programs for live broadcast or electronic recording: Selects assisting staff and performers for radio program or commercial announcement. Integrates various parts of program or commercial announcement to produce entertainment balance. Rehearses staff and performers to elicit effects desired and best possible performance. Establishes pace of program or commercial announcement to stay within time requirements. Cues ANNOUNCERS (radio-tv broad.) 159.147-010 and technicians during program to insert spot announcements or commercials.

GOE: 01.03.01 STRENGTH: L GED: R4 M3 L4 SVP: 6 DLU: 89

159.167-018 MANAGER, STAGE (amuse. & rec.; radio-tv broad.)

Coordinates production plans and directs activities of stage crew and performers during rehearsals and performance: Confers with DIRECTOR, STAGE (amuse. & rec.) 150.067-010 concerning production plans. Arranges conference times for cast, crew, and DIRECTOR, STAGE (amuse. & rec.), and disseminates general information about production. Reads script during each performance and gives cues for curtain, lights, sound effects, and prompting performers. Interprets stage-set diagrams to determine stage layout. Supervises stage crew engaged in placing scenery and properties. Devises emergency substitutes for stage equipment or properties. Keeps records to advise PRODUCER (amuse. & rec.) 187.167-178 on matters of time, attendance, and employee benefits. Compiles cue words and phrases to form prompt book. Directs activities of one or more assistants. May instruct understudy, replacement, or extra. May call performers at specified interval before curtain time. May operate production equipment to transmit or record performance.

GOE: 01.03.01 STRENGTH: L GED: R4 M3 L4 SVP: 7 DLU: 87

159.167-022 EXECUTIVE PRODUCER, PROMOS (radio-tv broad.)

Directs and coordinates production of promos (promotional spot announcements) for local or national broadcasting service: Directs activities of workers involved in production of promos, utilizing knowledge of continuity writing, on-air promotion guidelines, filming and videotaping techniques, and usage of equipment. Edits scripts for continuity, applying knowledge of continuity writing. Contacts vendors to secure needed props, audio visual materials, and sound effects. Confers with operations and support services personnel to coordinate unit activities with those of other departments. Reviews and edits audio and video tapes, completed promos, and filler continuity, and schedules approved productions for broadcast. Arranges for timely delivery of promo materials to local or network promotion departments. Serves as liaison between station and advertising service of program sponsors or underwriters to coordinate unit activities with client promotional campaigns in other media.

GOE: 11.09.01 STRENGTH: S GED: R5 M3 L5 SVP: 7 DLU: 89

159.207-010 ASTROLOGER (amuse. & rec.)

Prepares and analyzes horoscope to advise clients regarding future trends and events: Prepares horoscope by computing position of planets, their relationship to each other and to zodiacal signs, based on factors, such as time and place subject was born. Analyzes horoscope chart to advise client, such as person or company, regarding conditions which lie ahead, course of action to follow, and probability of success or failure of that action.

GOE: 10.01.02 STRENGTH: S GED: R4 M4 L4 SVP: 4 DLU: 77

159.224-010 ANIMAL TRAINER (amuse. & rec.)

Trains animals to obey commands, compete in shows, or perform tricks to entertain audience: Evaluates animal to determine temperament, ability, and aptitude for training. Conducts training program to develop desired behavior. May organize format of show. May conduct show. May cue or signal animal during performance. May rehearse animal according to script for motion picture or television film or stage or circus program. May train guard dog to protect property. May teach guide dog and master to function as team. May feed, exercise, and give general care to animal. May observe animal's physical condition to detect illness or unhealthy condition requiring medical care. May be designated according to specific animal trained. May be designated Head Animal Trainer (amuse. & rec.) or Senior Animal Trainer (amuse. & rec.) when directing activities of other workers.

GOE: 03.03.01 STRENGTH: L GED: R4 M3 L3 SVP: 6 DLU: 82

159.227-010 INSTRUCTOR, BRIDGE (education) alternate titles: bridge expert

Teaches individuals or groups contract bridge, evaluating individual abilities to determine method and technique of instruction: Explains card suits and values and methods of scoring. Lectures, illustrates, and demonstrates to teach conventions and playing of bridge hands. Supervises individual and group practice, using prearranged decks of cards. Prepares instructional materials for outside study assignments. Usually specializes in one system of bidding. May participate in bridge tournaments. May direct bridge tournaments. May write instructional bridge columns and articles on bridge tournaments for local newspaper.

GOE: 09.01.01 STRENGTH: S GED: R4 M4 L4 SVP: 8 DLU: 77

159.247-010 ACROBAT (amuse. & rec.) alternate titles: tumbler

Entertains audience by performing difficult and spectacular feats, such as leaping, tumbling, and balancing, alone or as member of team. Originates act or adapts stock presentations. May use equipment, such as chairs and teeter board. May juggle various articles [JUGGLER (amuse. & rec.)]. May perform feats requiring bodily contortions and be designated Contortionist (amuse. & rec.).

GOE: 12.02.01 STRENGTH: V GED: R3 M2 L2 SVP: 5 DLU: 77

159.247-014 AERIALIST (amuse. & rec.) alternate titles: trapeze artist; trapeze performer

Performs gymnastic feats of skill and balance while swinging on trapeze, turning somersaults, or executing flying stunts alone or as member of team.

GOE: 12.02.01 STRENGTH: V GED: R3 M3 L2 SVP: 6 DLU: 77

159.267-010 DIRECTOR, CASTING (motion picture; radio-tv broad.) alternate titles: talent director

Auditions and interviews performers for specific parts, considering such factors as physical size and appearance, quality of voice, expressiveness, and experience: Submits list of suitable performers to PRODUCER (radio-tv broad.) or DIRECTOR, MOTION PICTURE (motion picture); DIRECTOR, RADIO (radio-tv broad.); DIRECTOR, TELEVISION (radio-tv broad.) for final selection. Keeps talent file, including information, such as personality types, specialties, past performances, and availability of performers. May arrange for screen tests of new performers. May obtain contractual agreement from performers on such items as salary or fees, program credits, residual payments, performance dates, and production schedules.

GOE: 01.03.01 STRENGTH: L GED: R5 M3 L4 SVP: 7 DLU: 77

159.341-010 JUGGLER (amuse. & rec.)

Juggles and balances objects, such as balls, knives, plates, tenpins, and hats, to entertain audience.

GOE: 12.02.01 STRENGTH: L GED: R3 M2 L2 SVP: 6 DLU: 77

159.341-014 STUNT PERFORMER (amuse. & rec.; motion picture; radio-tv broad.)

Performs stunts, such as overturning speeding automobile or falling from runaway horse, and participates in fight-action scenes for motion picture, television, or stage production: Reads script and confers with DIRECTOR, MOTION PICTURE (motion picture) and DIRECTOR OF PHOTOGRAPHY (motion picture; radio-tv broad.) to ascertain positions of cameras and other performers. Examines terrain and inspects equipment, such as harness, rigging bars, or nets to avoid injury. Coordinates body movement and facial expression to simulate giving and receiving violent blows. Rehearses stunt routines alone or with other STUNT PERFORMER (amuse. & rec.; motion picture; radio-tv broad.). May design, build, or repair own safety equipment.

GOE: 12.02.01 STRENGTH: M GED: R3 M3 L3 SVP: 6 DLU: 77

159.344-010 EQUESTRIAN (amuse. & rec.)

Rides horses at circus, carnival, exhibition, or horse show, performing acrobatic stunts on saddled or saddleless horse or feats of equestrian skill and daring to entertain audience. When performing stunts on horse without saddle, may be designated Bareback Rider (amuse. & rec.).

GOE: 12.02.01 STRENGTH: M GED: R3 M3 L1 SVP: 6 DLU: 77

159.344-014 RODEO PERFORMER (amuse. & rec.)

Demonstrates daring and skill by bronco riding, calf roping, bull riding, steer wrestling, or similar feats in rodeo competition to entertain spectators and compete for prize money.

GOE: 12.02.01 STRENGTH: H GED: R3 M2 L3 SVP: 5 DLU: 77

159.344-018 SHOW-HORSE DRIVER (amuse. & rec.)

Rides or drives horse before judges in horse show, exercising care to display best points of animal to judges and spectators.

GOE: 12.02.01 STRENGTH: L GED: R3 M2 L2 SVP: 5 DLU: 77

159.347-010 ANNOUNCER (amuse. & rec.) alternate titles: public-address announcer

Announces information of interest to patrons of sporting and other entertainment events, using public address system: Announces program and substitutions or other changes to patrons. Informs patrons of coming events or emergency calls. May observe sporting event to make running commentary, such as play-by-play description or explanation of official decisions. May speak extemporaneously to audience on items of interest, such as background and past record of players. May read prepared script to describe acts or tricks during performance. May furnish information concerning play to SCOREBOARD OPERATOR (amuse. & rec.).

GOE: 01.07.02 STRENGTH: S GED: R4 M2 L4 SVP: 6 DLU: 77

159.347-014 AQUATIC PERFORMER (amuse. & rec.)

Performs water-ballet routines to entertain audience, utilizing synchronized techniques of swimming: May swim underwater, using air lines. May serve as LIFEGUARD (amuse. & rec.), sell tickets, or perform other duties when not participating in show.

GOE: 12.02.01 STRENGTH: M GED: R3 M3 L3 SVP: 5 DLU: 77

159.347-018 THRILL PERFORMER (amuse. & rec.)

Entertains audience at fairs, carnivals, and circuses by performing daredevil feats, such as diving from high diving board into tank of water, parachuting from airplane, or being shot from cannon onto net. May be designated according to specialty as Comedy Diver (amuse. & rec.); Human Projectile (amuse. & rec.); Parachutist (amuse. & rec.).

GOE: 12.02.01 STRENGTH: M GED: R3 M2 L2 SVP: 5 DLU: 77

159.347-022 WIRE WALKER (amuse. & rec.) alternate titles: high-wire artist; tight-rope walker

Walks across high wire or rope fastened between two stands or other uprights, performing acrobatic feats of balance, such as headstands, lie-downs, and somersaults to entertain audience. May walk ascending or descending wire or cable. May ride unicycle, bicycle, or motorcycle across wire. May perform as member of team.

GOE: 12.02.01 STRENGTH: M GED: R3 M2 L1 SVP: 6 DLU: 77

159.367-010 RING CONDUCTOR (amuse. & rec.)

Introduces circus acts, using presence and manner, to set style desired by circus management: Signals start and finish of individual acts, using knowledge of circus performance running order. Signals performers to coordinate smooth transition of acts and addresses audience to alleviate their concern in emergencies, such as accidents or equipment failure.

GOE: 01.07.02 STRENGTH: L GED: R4 M2 L4 SVP: 6 DLU: 77

159.647-010 AMUSEMENT PARK ENTERTAINER (amuse. & rec.)

Entertains audience in amusement park by exhibiting special skills. Designated according to specialty act performed as Fire Eater (amuse. & rec.); Hypnotist (amuse. & rec.); Organ Grinder (amuse. & rec.); Phrenologist (amuse. & rec.); Physiognomist (amuse. & rec.); Snake Charmer (amuse. & rec.); Sword Swallower (amuse. & rec.). May be designated Side-Show Entertainer (amuse. & rec.). May entertain in nightclubs and similar establishments. May entertain for live variety show or for television production.

GOE: 01.07.03 STRENGTH: L GED: R2 M2 L2 SVP: 2 DLU: 77

159.647-014 EXTRA (amuse. & rec.; motion picture; radio-tv broad.)

Performs as nonspeaking member of scene in stage, motion picture, or television productions: Stands, walks, or sits in scenes as background for stars actions, or performs actions requiring special skills, such as dancing, swimming, skating, riding, or handling livestock. Rehearses and performs pantomime, portraying points essential in staging of scene. Workers may be designated according to registration in union as General Extra (amuse. & rec.; motion picture; radio-tv broad.); Special Ability Extra (amuse. & rec.; motion picture; radio-tv broad.); Silent Bit Extra (amuse. & rec.; motion picture; radio-tv broad.).

GOE: 01.08.01 STRENGTH: L GED: R2 M2 L2 SVP: 2 DLU: 77

159.647-018 PSYCHIC READER (amuse. & rec.)

Entertains client or audience by professing to tell past, present, or future events through extraordinary spiritual insight or by perceiving another's thoughts. Designated according to specialty or medium used as Card Reader (amuse. & rec.); Crystal Gazer (amuse. &

rec.); Fortune Teller (amuse. & rec.); Mind Reader (amuse. & rec.); Palmist (amuse. & rec.); Tea-Leaf Reader (amuse. & rec.).

GOE: 01.07.01 STRENGTH: S GED: R3 M2 L3 SVP: 3 DLU: 77

159.647-022 SHOW GIRL (amuse. & rec.)

Parades across stage to display costumes and provide background for chorus line to entertain audience.

GOE: 01.08.01 STRENGTH: L GED: R2 M1 L1 SVP: 2 DLU: 77