

EDITOR'S MANUAL

- CLASSIFICATION CODE ON FIELD OF ESTABLISHMENT
 - CLASSIFICATION CODE ON OCCUPATION
 - CLASSIFICATION CODE ON EDUCATION

NATIONAL WORK FORCE SURVEY

1997

**Central Bureau of Statistics
Jakarta – Indonesia**

**CLASSIFICATION CODE ON
FIELD OF ESTABLISHMENT**

| CCFE | DESCRIPTION |
|--|--|
| 5. | BUILDING |
| 51. 52. | Civil Building Electricity & Communication Building |
| 6. | LARGE TRADING, RETAIL & RESTAURANT ALSO HOTELS |
| 61. 62. 63. 64. | Large Trading Retail Trading Restaurant Hotel & Lodgings |
| 7. | TRANSPORTATION, STORAGE & COMMUNICATION |
| 71. 72. 73. 74. 75. | Land Transportation, Transportation with Pipe Channels Water Transportation Air Transportation Storage and Supportive Transportation Services Communication |
| 8. | FINANCE, INSURANCE, RENT BUILDING ESTABLISHMENT, LAND & SERVICES ESTABLISHMENT |
| 81. 82. 83. | Financial Institution Insurance Rent Establishment/Sell & Purchase Land & Establishment Services |
| 9. | SOCIAL SERVICES, SOCIAL AND INDIVIDUAL |
| 91. 92. 93. 94. 95. 96. | Government & Defence Services Sanitary & Similar Services Social & Community Services Entertainment & Culture Services Individual & Household Services International & Extra Territorial Body |
| 00 | ACTIVITIES THAT ARE NOT CLEAR |

**CLASSIFICATION CODE ON
OCCUPATIONS**

| CCO | DESCRIPTION |
|---|---|
| 05 | BIOLOGY RESEARCHER & TECHNICIAN |
| 051 052 053 054 055 | Biology Researcher, Zoology and Researchers Bacteriology Researcher, Pharmacology & Other Researchers Livestock Researcher Agronomy Researcher & Other Researchers Biology Technician |
| 06/07 | DOCTOR, DENTIST, VETERINARIAN & WORKERS |
| 061 062 063 064 065 066 067 068 069 071 072 073 074 075 076 077 079 | Doctor Doctor Assistant Dentist Dentist Assistant Veterinarian Veterinarian Assistant Pharmacist Assistant Pharmacist Diet Specialist & Nutritionist Nurse Specialist Other Nurses Midwife Specialist Other Midwife Ophthalmologist Specialist & Optical Specialist Physiotherapy Specialist and Handicap Rehabilitation Specialist Medical x-ray Specialist Health Workers & Workers |
| 08 | STATISTIC EXPERT, MATHEMATICS, ANALYZE SYSTEM & TECHNICIAN |
| 081 082 083 084 | Statistician Expert Expert & Actuaries System Analyst Expert Statistic & Mathematics Technician |
| 09 | ECONOMIST EXPERT |
| 090 | Economist Expert |
| 11 | ACCOUNTANT |
| 110 | Accountant |
| 12 | LAW EXPERT |
| 121 122 123 129 | Lawyer Judge Attorney Notary & Law Expert |

| CCO | DESCRIPTION |
|--|--|
| 13. | TEACHER |
| 131 132 133 134 135 136 137 139 | University & Academy Instructor High School Teacher Junior High School Teacher Primary School Teacher Pre School Teacher Outer School Education Teacher Handicapped School Teacher Teacher |
| 14 | WORKERS IN THE FIELD OF RELIGION |
| 141 142 143 144 145 149 | Islam Religious Teachers (interpretation expert, preacher & other workers in Islam) Priest & other workers in Christian Protestant Religion Catholic Priest & other workers in Catholic Religion Buddhist Priest and other workers in Buddhist Religion Hindu Priest and other workers in Hindu Religion Workers in the field of religion |
| 15 | AUTHOR, JOURNALIST AND OTHER WRITERS |
| 151 152 153 | Author and Critic Journalist, Reporter, News Reviewer and similar work Editor, Writer and Workers |
| 16 | SCULPTURE, PAINTER, PHOTO ARTIST AND ARTISTS |
| 161 162 163 169 | Sculpture, painter and Artist Artist & Illustration Designer Photo Artist & Cameraman Artist Composer or Other Artists |
| 17 | SONG WRITER & PERFORMING ARTIST |
| 171 172 173 174 175 176 177 179 | Composer, Arranger, Musician & Singer Dance Composer & Dancer Director & Artist Producer & Performing Arts Technician Comedian, Magician & Circus Performer Puppeteer, <i>Gamelan</i> Player & Other Artists Protocol, Announcer & Other Artists Other Performing Artists |
| 18 | ATHLETE & OTHER WORKERS |
| 180 | Athlete, Trainer, Sports Organizer & Other Workers |

| CCO | DESCRIPTION |
|--|--|
| 19. | PROFESSIONAL WORKERS, TECHNICIAN & OTHER WORKERS |
| 191 192 193 194 195 199 | Librarian Expert, Archives Expert and Curator Social Sciences Expert Social Worker Employee Management & Occupation Expert Language Expert, Translator & Interpreter Professional Workers, Technician & other Workers |
| 2 | DIRECTOR & MANAGEMENT WORKERS |
| 20 | LEGISLATIVE & GOVERNMENT INSTITUTION OFFICIALS |
| 201 202 | Legislative Institution Official High Rank Government Official |
| 21 | MANAGEMENT WORKERS |
| 211 212 213 214 215 216 217 219 | Chief Manager Production Manager (except Agriculture Products) Marketing Manager Finance Manager Administration Manager Personnel Manager Research & Development Manager Manager |
| 3 | IMPLEMENTING OFFICIALS, ADMINISTRATIVE WORKERS AND LABOUR |
| 30 | ADMINISTRATIVE SUPERVISOR |
| 300 | Administrative Supervisor |
| 31 | IMPLEMENTING GOVERNMENT OFFICIALS |
| 310 | Implementing Government Officials |
| 32 | STENOGRAPHER, TYPIST, PUNCHER & TELEX OPERATOR |
| 321 322 323 329 | Stenographer & Typist Punch Operator Telex Operator Stenographer, Typist, Puncher & Telex Operator |

| CCO | DESCRIPTION |
|--|--|
| 33 | BOOK KEEPER, CASHIER, TREASURER AND WORKERS |
| 331 332 333 339 | Book keeper and Workers Cashier and Workers Treasurer and Workers Book keeper, Cashier, Treasurer and Other Workers |
| 34 | COUNTING MACHINE OPERATOR AND DATA PROCESSOR |
| 341 342 349 | Operators Computer and Data Processing Machine Operators Counting and Data Processing Machine Operators |
| 35 | HEAD & SUPERVISOR IN THE FIELD OF TRANSPORTATION & COMMUNICATION |
| 351 352 353 354 355 359 | Head of Train Station Head of Sea Port Head of Airport Head of Post Office and Giro Head of Telephone and Telegraph Office Supervisor in the Field of Transportation & Communication |
| 36 | LAND TRANSPORTATION WORKERS |
| 360 | Land transportation workers |
| 37 | DISTRIBUTION OF COMMODITIES WORKERS |
| 371 372 | Letter Distribution Workers Administration Workers of Expedition |
| 38 | COMMUNICATION TOOLS OPERATOR |
| 380 | Radio Operator, Telephone and Telegraph or other Communication Tools |
| 39 | ADMINISTRATIVE WORKERS & LABOUR |
| 391 392 393 394 395 399 | Administrative Warehouse/Logistic Worker Administrative Material & Production Planning Worker Administrative Office (Report & Correspondence) Worker Receptionist & Administrative Travel Bureau Worker Librarian & Archives Worker Administrative Worker |

| CCO | DESCRIPTION |
|---------------------------------|---|
| 4 | SALES WORKER |
| 40 | TRADING COMPANY MANAGER IN LARGE PARTY & RETAIL |
| 400 | Trading Company Manager in large party & retail |
| 41 | OWNER OF TRADING COMPANY IN LARGE PARTY & RETAIL |
| 410 | Owner of Trading Company in Large Party & Retail |
| 42 | SALES SUPERVISOR & PURCHASE WORKERS |
| 421 422 | Sales Supervisor Purchase Worker |
| 43 | TECHNICAL ARTICLE SALES AND TECHNICAL SERVICES ADVISOR |
| 431 432 | Technical Article Sales and Technical Services Advisor Purchase Order /Mobile Sales Worker and Industrial Products Sales Agent |
| 44 | INSURANCE MARKETING WORKERS BUILDING & LAND RENTAL, VALUABLE PAPERS AND ESTABLISHMENT SERVICES ALSO AUCTIONEER |
| 441 442 443 444 445 | Sales Insurance Worker Sales/Rent land & Building Sales of Valuable Papers Sales of Establishment Services Auctioneer & Estimator |
| 45 | SMALL TRADERS & WORKERS |
| 451 452 490 | Sales Worker, Sales Clerk, Commodity Demonstrator Side-walk trader, Mobile Trader && Sales Worker Sales & Purchase Workers not classified at other places |
| 5 | LABOUR SERVICES ESTABLISHMENT |
| 50 | CATERING AND LODGING MANAGER |
| 500 | Catering and Lodging Manager |
| 51 | OWNER OF CATERING & LODGING SERVICES |
| 510 | Owner of Catering & Lodging Services |
| 52 | HOUSEKEEPING & SERVICES |
| 520 | Housekeeping & services |

| CCO | DESCRIPTION |
|--------------------------|--|
| 53 | COOK, RESTAURANT/BAR WAITER/RESS & WORKERS |
| 531 532 | Cook Restaurant & Bar Waiter/ress also Workers |
| 54 | HOUSE SERVANTS AND HOUSEHOLD LABOR SERVICES |
| 540 | House Servants & Household Labor Services |
| 55 | MAINTENANCE & BUILDING GUARD WORKERS |
| 551 552 | Maintenance & Building Guard Workers Building Cleaner & Workers |
| 56 | LAUNDRY & WORKERS |
| 560 | Laundry & Workers |
| 57 | HAIRDRESSER,BARBER, BEAUTICIAN & WORKERS |
| 570 | Hairdresser, Barber, Beautician and workers |
| 58 | PROTECTION AND SECURITY SERVICES |
| 581 582 589 | Fireman Workers Special Police & Security Workers Protection & Security Services |
| 59 | SERVICE WORKERS |
| 591 592 593 599 | Guide Burial & Embalming Corpse Health Services Other Service Workers |
| 6 | AGRICULTURE WORKERS INCLUDING FIELDS, ANIMAL HUSBANDRY, FORESTRY & HUNTING |
| 60 | MANAGER AND SUPERVISOR OF FARMING & ANIMAL HUSBANDRY ESTABLISHMENTS |
| 600 | Manager and Supervisor of Farming & Animal Husbandry Establishments |
| 61 | FARMER & OWNER OF LIVESTOCK |
| 611 612 613 | Various plants farmer Specific plants farmer Animal Husbandry |

| CCO | DESCRIPTION |
|---|---|
| 62 | AGRICULTURE & ANIMAL HUSBANDRY WORKERS |
| 621 622 623 624 625 626 627 628 629 | Agriculture Workers & General Animal Husbandry Seasonal Crop (Rice, Cotton, Sugar Cane, Vegetables, Spices & Other Field Crop) Agriculture Worker Yearly Crop (Rubber, Tea, Palm tree, Coffee, Fiber and Fruits) Agriculture Worker Animal Husbandry Workers Milking Animal Farm Workers Poultry Farm Workers Seeding, Worker, Gardener Machine Operator & Farming also Animal Husbandry Other farming & animal husbandry workers |
| 63 | MANAGER, OWNER OF CONCESSION, SUPERVISOR OF FOREST ESTABLISHMENTS |
| 630 631 632 633 | Manager, Owner of Concession and Supervisor of Forest Establishments Forest Wood Cutter & Wood Chopper Forestry Establishment Workers Forest Products Gatherer |
| 64 | FISHERY & HUNTING ESTABLISHMENT WORKERS & LABOUR |
| 640 641 642 643 644 645 646 649 | Manager, Owner & Supervisor of Fishery & Hunting Establishment Cultivation of Fresh Water Fishery Hunting Workers Establishment of Fresh Fish Catching Workers Cultivation of Fresh Water Fishery Establishment of Sea Water Fishery Catching Workers (except captain & crew) Sea Products Gatherer (except fish) Hunting Establishment Workers Fishery & Hunting Establishment Workers |
| 7/8/9 | PRODUCTION WORKERS & LABOR, TRANSPORTATION OPERATOR, MOVING EQUIPMENT AND UNSKILLED WORKERS |
| 70 | PRODUCTION SUPERVISOR AND FOREMAN |
| 700 | Production Supervisor & Foreman |
| 71 | MINING & QUARRYING ALSO LABOUR |
| 711 712 713 | Mining, Panning and Quarrying Workers Worker that Prepare Processing Mining & Stone Materials Workers and Labor of Drilling Oil Well, Petroleum, other Mineral |
| 72 | IRON PROCESSING WORKERS |
| 721 722 724 725 726 727 728 729 | Melting Kitchen and Purifying Base Iron Workers Grinding Iron Workers (Grinding Iron Machine Operator) <i>Melting & Heating Base Iron Worker (please see original text kenapa langsung 724?)</i> Cast Iron Worker Mold Iron Worker Heat Organizer & Hardening Worker Producer Wire & Pipes Worker Coating Iron Worker |

| CCO | DESCRIPTION |
|---|--|
| 73 | WOOD AND PAPER MANUFACTURING WORKERS |
| 731 732 733 734 739 | Manufacturing and Preserving Wood Workers Sawing Machine and Plywood Machine Presser Operators also Manufacturing Wood Workers Pulp Machine Operator Machine Operator and Paper Manufacturer Workers Workers in the filed of Paper Manufacturer, Wood, Bamboo and Rattan Developing |
| 74 | CHEMICAL MATERIAL PROCESSING & WORKERS |
| 741 742 743 744 745 749 | Breaking, Grinding & Mixing Chemical Materials Machine Operator Cooking & Heating Chemical Material Worker Sieving & Separating Machine Operator Refinery & Reactor Machine Operator Processing Petroleum Workers Processing Chemical Material Workers |
| 75. | SPINNING, WEAVING, KNITTING, DYEING, BATIK AND WORKERS |
| 751 752 753 754 755 756 757 759 | Machine Operator & Fiber Preparation Worker Machine Operator & Spinning also Thread Winding Worker Machine Installer & Knitting Thread also Pattern Card Maker Machine Operator & Weaving Workers Machine Operator & Knitting Workers Bleaching, Dyeing Workers & Labor Batik workers Spinning, Weaving, Knitting, Dyeing Workers & Labor |
| 76 | TANNING WORKERS & LEATHER PROCESSING |
| 761 762 | Leather Tanning Workers Leather Processing Workers |
| 77 | FOOD & BEVERAGE PROCESSING WORKERS |
| 771 772 773 774 775 776 777 778 779 | Cereal and similar products Grinding Workers Sugar Processing & Refinery Workers Animal Slaughter & Meat Processing Food Preserving Workers Milk Processing & Milk Products Bakery , Cake & Candy Workers Tea, Coffee & Cocoa Processor Alcoholic & Soft Drinks Producers Food & Beverage Processing Workers |
| 78 | TOBACCO PROCESSOR WORKERS |
| 781 782 783 789 | Tobacco Leaves Processor Cigar Makers Cigarette Makers Tobacco Processor Workers |

| CCO | DESCRIPTION |
|---|---|
| 79 | SEWING ESTABLISHMENT WORKERS |
| 791 792 793 794 795 796 799 | Tailor/Seamstress Tailor/Seamstress Clothes from Leather & Animal Fur Hat Maker (?) Pattern Maker & Clothes Cutter (?) Embroidery & Hemming Worker Upholstery Worker & Labor Sewing Business Workers |
| 80 | COBBLER & ARTICLES FROM LEATHER |
| 801 802 803 | Cobbler & Shoe Repair Shoe Parts Maker & Labor Leather goods Craftsman |
| 81 | WOODEN FURNITURE MAKER & LABOR |
| 811 812 819 | Furniture Craftsman Wood Processor Machine Operator Wooden Furniture Craftsman & Labor |
| 82 | STONE CUTTER & CARVER |
| 820 | Stone Processing Worker |
| 83 | BLACKSMITH, TOOL MAKER & TOOL MACHINE OPERATOR |
| 831 832 833 834 835 839 | Blacksmith and Articles of Iron Press Machine Operator Tool Maker & Labor Tool Machine Installer Tool Machine Operator Grindstone, Polish & Filing Tools Worker Blacksmith, Tool Maker and Tool Machine Operator |
| 84 | INSTALLING, ASSEMBLING MACHINERY WORKERS AND PRESSING MACHINE (EXCEPT ELECTRICITY) |
| 841 842 843 844 849 | Machine Installer and Assembler Watchmaker, Clock and Precision Instruments Motorized Vehicle Mechanic Motorized Airplane Mechanic Mechanic, Installer and Assembler of Machinery also Precision Machine (except electricity instruments) |

| CCO | DESCRIPTION |
|--|--|
| 85 | INSTALLATION OF ELECTRICITY DEVICES, ELECTRICAL WORKERS & ELECTRONIC |
| 851 852 853 854 855 856 857 859 | Machine Installation & Electrical Equipment Workers Installer of Devices & Electrical Equipment Assembler of Electrical Devices & Equipment Electrical Equipment Mechanic Electricity Installer Telephone & Telegraph Installer Electricity Cable Network Installer Electrical Devices Installer Worker, Electricity Power & Electronic Workers |
| 86 | STATION TRANSMITTER OPERATOR SOUND SYSTEM AND FILM PROJECTOR |
| 861 862 | Station Transmitter Operator Acoustic Equipment Operator & Film Projector |
| 87 | PLUMBER, WELDER, INSTALLER & IRON PLATE WORKER & IRON BUILDING MATERIALS |
| 871 872 873 874 | Plumber Welder Articles of Iron Sheet Worker Installer of Iron Building Materials |
| 88 | JEWELRY MAKER & GOLDSMITH |
| 880 | Jewelry Maker & Goldsmith |
| 89 | GLASS & CERAMIC HANDICRAFT WORKERS |
| 891 892 893 894 895 899 | Machine Operator & Glass Craftsman & Workers Machine Operator & Ceramic & Clay Craftsman Oven Burner Workers of Handicrafts from Glass, Ceramic, Clay & Limestone Glass Carving & Esta Craftsman Glass & Ceramic Painter Glass, Ceramic Craftsman & Workers |
| 90 | RUBBER & PLASTIC WORKERS |
| 901 902 | Machine Operator , Rubber & Plastic Craftsman (except vulcanize tires) Vulcanize tires workers |
| 91 | PAPER & CARDBOARD WORKERS |
| 910 | Paper & Cardboard Workers |

| CCO | DESCRIPTION |
|--|--|
| 92 | PRINTING ESTABLISHMENT WORKER & LABOR |
| 921 922 923 924 925 926 927 929 |Letter Printing Machine Operator Negative Stereotype & Electrotpe Worker Machine Operator & Negative Print Engraving (except with photo) Negative Print Engraving Worker Book Binding Workers & Labor Photo Processing Worker Printing Workers & Labor |
| 93 | PAINTING WORKERS |
| 931 932 939 | Building Painter Vehicle Painter Painter |
| 94 | HANDICRAFT PRODUCTION ESTABLISHMENT WORKERS |
| 941 942 943 944 945 946 949 | Music Instrument & Arranger Plaited Commodity & Brush Maker Non Iron Mineral Commodity Maker Wood Carving Handicraftsman Bamboo Handicraftsman Rattan Handicraftsman Other Craftsman & Labor |
| 95 | STONE LAYER, CARPENTER & OTHER BUILDING WORKERS |
| 951 952 953 954 955 956 957 958 | Stone Layer and Floor Tiles Installer Concrete & Terrazzo Workers Roof Tiles Installer & Roof Layer Carpenter Plaster Worker Divider Worker Window/Glass Worker Other Building Workers |
| 96 | STATIONARY MACHINE OPERATOR & SIMILAR MACHINES |
| 961 969 | Generator Machine Operator Stationary Machine Operator & Similar Machines |
| 97 | CARGO LIFT OPERATOR & SIMILAR MACHINES ALSO WORKERS & CARGO SERVICES |
| 971 972 973 974 979 | Unskilled Port Workers & Cargo Lift Workers Installing & Connecting Diesel Machine Cable Workers Crane Machine & Lift Operator Moving Machine & Bulldozer Operator Lift Cargo Moving Operator |

| CCO | DESCRIPTION |
|------------|--|
| 98 | SEA & LAND TRANSPORTATION WORKERS |
| 981 | Boatswain's mate & Sailor |
| 982 | Engine Room Sailor |
| 983 | Engineer & Locomotive Fireman |
| 984 | Break, Signal Man and Yard Master Train |
| 985 | Motor Vehicle Driver |
| 986 | Coachman of Animal Powered Cart |
| 987 | Pedicab Drivers and Vehicles with Pedals |
| 989 | Transportation Workers |
| 99 | UNSKILLED WORKERS |
| 999 | Unskilled Workers that can not be classified in other places |
| X | WORKERS THAT CAN NOT BE CLASSIFIED IN AN OCCUPATION |
| X1 | JOB SEEKERS WITH NO EXPERIENCE |
| X10 | Job Seekers with no experience |
| X2 | WORKING FORCE WITH UNIDENTIFIED AND UNCLEAR OCCUPATION |
| X20 | Working force with unidentified and unclear occupation |
| X3 | WORKING FORCE THAT COULD NOT BE CATEGORIZED INTO ANY OCCUPATION |
| X30 | Working Force that could not be categorized into any occupation |
| 00 | ARMED FORCES MEMBER |
| 001 | Military Force Member |
| 002 | Navy Force Member |
| 003 | Air Force Member |
| 004 | Police Force Member |
| 009 | Other Defense Forces Member |

**CLASSIFICATION ON
EDUCATION**

| No. | Code | Field of Study | Example on Major Studies |
|------------|-------------|----------------------------------|--|
| (1) | (2) | (3) | (4) |
| 13 | 13 | Medicine and Health | Health Advisor/Inspector, Nutrition, General Health, Physiotherapy, Nurse, Midwife, X Ray Technology, Dentistry, Pharmacy |
| 14 | 14 | Carpentry, Handicraft & Industry | Handicraft Industry, Food/Beverage Processing, Metal Industry, Leather Tanning, Thread Processing, Printing, Binding, Ceramic |
| 15 | 15 | Technology | General Technology, Geology, Chemical Technology, Civil/Building Technology, Construction, Electricity and Electro Technology, Industrial Technology, Metal Technology, Mining Technology, Machinery Technology, Nuclear Technology. |
| 16 | 16 | Architecture & City Planning | Housing Architecture, Home Interior, Landscaping, City Developing/Planning |
| 17 | 17 | Agriculture | Agriculture Advisor, Plant Seedling, Horticulture, Agronomy, Agriculture Economics, Soil Fertilizing, Veterinary |
| 18 | 18 | Husbandry | General Husbandry, Livestock Production, Livestock Nutrition Science, Animal Breeding |
| 19 | 19 | Fishery | Fishery, Water Cultivation, Fishing Technique, Water Biology |
| 20 | 20 | Forestry | Forestry, Forest Restoration, Forest Products, Forest Economics, Forest Products Manufacturer |
| 21 | 21 | Household Welfare | High Education on Family, Household Management, Fashion, Sewing, Catering, Caring and Educating Children, Home Decorating |
| 22 | 22 | Transportation Communication | Pilot, Air Navigation, Maritime, Sailing Navigation, Train, Post, Telecommunication |
| 23 | 23 | Services | Hotel, Catering, Tourism, Air and Trade Transportation |
| 24 | 24 | Mass Communication | Journalism, Mass Communication, Film & TV, Radio, Public Relation, Communication Science, Library, Museum, Archives. |
| 25 | 25 | Others | Police Science, Code, Criminology, Fire Brigade, Military, Social Services, Community Development, Environment Study Center, Nautical, Land Registration, Agrarian. |