STATISTICAL COMMISSION
Seventh Session
Item 14 of the provisional agenda

CLASSIFICATION OF OCCUPATIONS

(Progress Report by the International Labour Office)

1. The International Labour Office is placing the subject of the international standard classification of occupations on the agenda of the Eighth International Conference of Labour Statisticians now scheduled for early 1954. It is proposed also to hold, in 1953, a small preliminary meeting of statistical experts to review the reports to be submitted to the Conference and to define the agenda. One of the reports will deal with the establishment of sub-divisions and unit groups in the present major groups of the international standard occupational classification.

2. The Office has prepared and published a detailed classification of occupations for purposes of migration and employment placement. A provisional classification was prepared after taking into account previous work on this subject, including the I.S.C.O., the report of the C.O.T.A. Committee of the Inter-American Statistical Institute and the United Nations’ manual Application of International Standards to Census Data on the Economically Active Population. After extensive consultations with employment service and statistical office officials of a number of countries, a revised classification has now been issued. This has been formulated with consideration given to the needs of a classification for statistical purposes and follows the outline of the major groups of the standard occupational classification already established.

3. For the report to the Eighth Conference the question of adapting this classification for census purposes will be reviewed. The classification for employment placement purposes is naturally more detailed than is useful for
classifying the occupations of the census population. The report will examine whether this classification can, with modifications, form a basis for a standard classification useful also for census purposes, or whether for census purposes a separate classification of sub-groups and unit groups needs to be established. The issue may perhaps be stated in these terms:

(a) Can the same primary and secondary sub-divisions of the major groups serve both types of purposes and what alterations or additions will be necessary (it being, of course, evident in any case that for employment placement purposes much more detail is needed than is appropriate or possible for census data); or

(b) If they are not suitable in substantially their present form, what changed or modified sub-groups can be proposed for the International Standard Classification of Occupations, and how may they be made reasonably comparable with the sub-groups of the employment classification?

4. Two comments should be made. In the first place, the classification for migration and employment placement does not include any major group for the armed forces, on the ground that this major group does not represent in practice an occupational objective for either migration or employment placement. In this connexion, it should be emphasized that the same individual may be allocated, in a classification for migration and placement purposes, in a different rubric from that in which he is placed for census purposes, an obvious example being the case of persons classified in the armed forces in the census who are seeking placement in civilian employment according to their occupational qualifications. In this connexion, it should be emphasized that the same individual may be allocated, in a classification for migration and placement purposes, in a different rubric from that in which he is placed for census purposes, an obvious example being the case of persons classified in the armed forces in the census who are seeking placement in civilian employment according to their occupational qualifications.

5. Secondly, in considering the applicability of the present classification to census purposes, an important problem which has to be borne in mind is raised by the inaccuracies and lack of precision in the return of occupations in the census type of material. This may suggest the advisability of grouping together, for purposes of the census classification, occupations which tend to be confused with one another or which in practice lack clear differentiation. For employment placement purposes, the clearer the demarcation the more useful are the results,
and the principle of grouping is to place together occupations requiring similar training or association because of recognized lines of promotion or transfer. The problem for the Committee of Experts and the Eighth Conference to consider is whether these differences in materials to be classified can be reconciled within the framework of a three-digit classification of occupations so as to serve both purposes with satisfactory results.

6. The occupational titles and codes of the major groups and the two-digit and three-digit sub-division of the International Standard Classification of Occupations for Migration and Employment Placement are given below.

1. Professional, Technical and Related Occupations
2.0) Physical Sciences and Related Occupations
   2.1) Architects
   2.01) Engineers, civil
   2.02) Engineers, electrical
   2.03) Engineers, mechanical
   2.04) Engineers, metallurgical
   2.05) Engineers, mining
   2.06) Engineers, chemical
   2.07) Engineers, miscellaneous
   2.08) Chemists
   2.09) Physicists
   2.10) Geophysicists
   2.11) Geologists
   2.12) Geographers
   2.13) Physical Scientists, miscellaneous
   2.14) Draughtsmen and Cartographers
   2.15) Surveyors

1.2 Biological and Agricultural Sciences and Related Occupations
   2.20) Biologists
   2.21) Agronomists
   2.22) Horticultural Scientists
   2.23) Foresters
   2.24) Soil Scientists
   2.25) Animal Scientists

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to consider is whether these differences in materials to be classified can be reconciled within the framework of a three-digit classification of occupations as to serve both purposes with satisfactory results.

7. The occupational titles and codes of the major groups and the two-digit and three-digit sub-divisions of the International Standard Classification of Occupations for Migration and Employment Placement are given in the Annex.
ANNEX

International Standard Classification of Occupations for Migration and Employment Placement

1. Professional, Technical and Related Occupations
   1.0) Physical Sciences and Related Occupations
   1.1)
   1.00 Architects
   1.01 Engineers, civil
   1.02 Engineers, electrical
   1.03 Engineers, mechanical
   1.04 Engineers, metallurgical
   1.05 Engineers, mining
   1.06 Engineers, chemical
   1.07 Engineers, miscellaneous
   1.08 Chemists
   1.09 Physicists
   1.10 Geophysicists
   1.11 Geologists
   1.12 Geographers
   1.13 Physical Scientists, miscellaneous
   1.14 Draughtsmen and Cartographers
   1.15 Surveyors

1.2 Biological and Agricultural Sciences and Related Occupations
   1.20 Biologists
   1.21 Agronomists
   1.22 Horticultural Scientists
   1.23 Foresters
   1.24 Soil Scientists
   1.25 Animal Scientists

1.3 Medical and Health Science and Related Occupations
   1.30 Physicians and Surgeons
   1.31 Medical - Allied Scientists
   1.32 Dentists
   1.33 Pharmaceutical Specialists
   1.34 Veterinarians
   1.35 Nurses, Professional
   1.36 Midwives and Non-Professional Nurses
   1.37 Therapy Technicians
   1.38 Medical and Health Technicians, miscellaneous
1.4) Social Science and Related Occupations
   1.40 Economists
   1.41 Accountants
   1.42 Statisticians
   1.43 Political Scientists
   1.44 Historians and related occupations
   1.45 Anthropologists
   1.46 Sociologists
   1.47 Psychologists
   1.48 Personnel specialists
   1.49 Language Scientists
   1.50 Teachers of Non-technical Subjects
   1.51 Librarians and Archivists
   1.52 Social Welfare Workers
   1.53 Clergy
   1.54 Jurists
   1.59 Social Science and related occupations, miscellaneous

1.6) Artistic, Writing, Entertaining and Related Occupations
   1.60 Painters, Drawers and Engravers (creative)
   1.61 Decor Designers (creative)
   1.62 Sculptors and Modellers (creative)
   1.63 Artcraft Workers, miscellaneous
   1.64 Photographers (creative)
   1.65 Authors, Journalists and related writers
   1.70 Theatrical and Related Directors
   1.71 Actors, Entertainers and related occupations
   1.72 Musicians
   1.73 Dancers
   1.74 Professional Athletes and related occupations
   1.79 Artistic, Writing and Entertaining Occupations, miscellaneous

2. Managerial and Administrative Occupations, Clerical and Related Occupations

2.0 Managerial and Administrative Staff Function Occupations
   2.00 Office Managers and Administrators
   2.01 Personnel Managers and Administrators
   2.02 Public Relations Managers and Administrators
   2.03 Finance Managers and Administrators
   2.04 Maintenance Managers and Administrators
   2.09 Staff Function Managers and Administrators, other
2.1) Managerial and Administrative Line Function
2.2) Occupations (By Economic Activity)
2.4) A three-digit sub-division is provided for each of the major groups (two-digit-level divisions) of the
International Standard Industrial Classification of All
Economic Activities, with the exception of those in
Division 0, Agriculture, Forestry, Hunting and Fishing.
One additional three-digit code is provided, 2.49 managers
and administrators, line functions, other.
2.5 Clerical and Related Occupations
  2.50 Bookkeepers and Bookkeeping Clerks
  2.51 Computing Clerks
  2.52 Cashiers
  2.53 Typists, Teletypists and Key Punch
       Operators
  2.54 Stenographers
  2.55 Punched Card Machine Operators
  2.56 Telephone Switchboard Operators
  2.57 Telegraph Key Operators
  2.58 Conductors (Clerical)
  2.59 Clerks and Related Clerical Occupations,
      other

3. Sales and Related Occupations
3.0 Retail Selling Occupations
  3.00 Salesmen and Shop Assistants, Retail
3.1 Wholesale Selling and Related Occupations
  3.10 Salesmen, Commodities, Wholesale
  3.11 Salesmen, Services.
  3.12 Buyers, Brokers and Related Occupations
  3.13 Appraisers, Auctioneers and Related
      Occupations

4.0 Farming Occupations
  4.00 Farmers and Farmworkers, general
  4.01 Farmers and Farmworkers, specialized crops
  4.02 Farm Machinery Operators
  4.03 Nurserymen
  4.04 Gardeners
  4.05 Livestock Farmers and Graziers
  4.06 Poultry Farmers and Poultry Hatchery Operators
  4.07 Animal Breeders and Raisers, miscellaneous
4.1 Hunting and Trapping Occupations
   4.10 Hunters, Trappers and Related Occupations

4.2 Fishing Occupations
   4.20 Fishermen, Deep Sea
   4.21 Fishermen, Inland and Coastal Waters
   4.22 Sponge and Pearl Divers

4.3 Forestry Occupations (except Logging)
   4.30 Harvesters of Forest Products (except Logs)
   4.31 Forest Products Processors (in Forests)
   4.32 Afforestation Workers

4.4 Logging Occupations
   4.40 Log Cutters
   4.41 Log Scalers and Graders
   4.42 Log Raft Makers and River Drivers

D 4.99 Labourers, Farming, Hunting, Fishing and Forestry

5. Mining, Quarrying and Well-Drilling Occupations
5.0 Mining and Quarrying Occupations
   5.00 Miners, Coal, underground
   5.01 Miners, underground (excluding Coal Miners)
   5.02 Miners, surface and open pit
   5.03 Quarrymen, Stone

5.1 Mineral Treating Occupations
   5.10 Ore Treater

5.2 Well-Drilling Occupations
   5.20 Well Drillers, Petroleum and Gas
   5.21 Well Drillers (Excluding Petroleum, Gas and Non-Artesian Water Wells)

D 5.9 Labourers, Mining, Quarrying and Well Drilling
   5.99 Labourers, Mining, Quarrying and Well Drilling

6. Operating Transport Occupations
6.0 Ship and Boat Operations Occupations
   6.00 Deck Officers, Sailors and related occupations
   6.01 Ship Engineers, Firemen and related occupations
   D 6.09 Labourers, Ship and Boat Operation

6.1 Aircraft Operation Occupations
   6.10 Aircraft pilots, Flight Engineers and Flight Navigators
6.2 Railway Train Operation Occupations
   6.20 Railway Engine Drivers and Firemen
   6.21 Railway Train Brakemen and Conductors
   6.22 Tramway Drivers and Subway Train Drivers

6.3 Road Vehicle Driving Occupations
   6.30 Drivers, Motor Vehicles
   6.31 Drivers, Animal Drawn Vehicles (except on Farms and in Underground Mines)

7.0 Crafts, Production Processes and Related Occupations

7.0 Textile Making Occupations
   7.00 Textile Designers
   7.01 Weavers, Loom Fixers and Loom Preparers
   7.02 Knitters, Machine
   7.03 Crocheters and Embroiderers, Machine
   7.04 Handicrafters, Textile
   7.05 Spinners and Winders, Textile
   7.06 Fibre Preparers
   7.07 Textile Making Occupations, miscellaneous

7.1 Textile Finishing Occupations (Except Textile Printing)
   7.10 Textile Treaters and Finishers
   7.11 Dyers, Textile

7.2 Garment and Related Textile and Leather Products Making Occupations
   7.20 Garment Designers and Pattern Makers
   7.21 Tailors, Dressmakers and Related Garment Makers
   7.22 Milliners and Hat Makers
   7.23 Furriers
   7.24 Markers and Cutters, Fabrics and Light Leathers
   7.25 Sewers, Fabrics, Light Leathers and Fur
   7.26 Shoemakers and Shoe Repairers
   7.27 Leather Products Makers (excluding Leather Shoes, Gloves and Garments)
   7.28 Upholsterers and Related Occupations
   7.29 Textile and Related Products Makers, miscellaneous

7.3 Basketry, Broom and Brushmaking Occupations
   7.30 Basketry Workers
   7.31 Broom and Brush Makers
7.4 Woodworking and Related Occupations (Wood and Kindred Materials)
   7.40 Cabinet Makers and Related Woodworkers
   7.41 Carpenters and Joiners
   7.42 Coach Builders, Cartwrights and related
   7.43 Cooper and Wooden Tank Builders
   7.44 Woodworking Machine Operators and Setters
   7.45 Sawyers, Sawmill
   7.46 Woodworking Occupations, miscellaneous

7.5 Metal Making and Treating Occupations
   7.50 Furnace Men, Metal Smelting, Converting and Refining
   7.51 Furnace Men, Metal Melting
   7.52 Furnace Men, Metal Heating
   7.53 Heat Treaters, Metal
   7.54 Metal Rolling Mill Operators
   7.55 Metal Drawers and Extruders
   7.56 Forgers
   7.57 Moulders and Core Makers
   7.58 Metal Making and Treating Occupations, miscellaneous

7.6 Metal Machining, Fitting, Assembling and Repairing Occupations
   7.60 Machinists, Machine Tool Setter-Operators and Related Metal Workers
   7.61 Machine Tool Operators, Metal Working
   7.62 Fitters, Assemblers and Repairmen, Metal Products (excluding Instrument Fitters and Electrician Fitters)
   7.63 Millwrights
   7.64 Fitters, Assemblers and Repairmen, Instruments and Related Occupations (excluding Electrical)
   7.65 Tool Grinders and Related Occupation
   7.66 Engravers
   7.67 Jewellers, Goldsmiths, Silversmiths and related occupations

7.7 Metal Working Occupations, Miscellaneous (Excluding Metal Machining)
   7.70 Coppersmiths, Tinsmiths and other Sheet Metal Workers
   7.71 Plumbers and Pipe Fitters
   7.72 Structural Metal Workers
   7.73 Welders and Related Workers
   7.74 Electroplaters and Hot Dip Platers
7.8 Electrical and Electronic Occupations

7.80 Electrician-Fitters, Electricians, Electrical Assemblers and Repairmen
7.81 Electrical Power Station Operators
7.82 Electronic Equipment Fitters and Repairmen
7.83 Telephone and Telegraph Fitters and Repairmen
7.84 Linemen and Cable Splicers
7.85 Electronic Equipment Operators

7.9) Construction and Related Occupations not elsewhere classified

7.90 Stone Cutters, Yard
7.91 Stone Carvers and related occupations
7.92 Stone Masons
7.93 Bricklayers and related occupations
7.94 Tile and Mosaic Setters
7.95 Plasterers and related occupations
7.96 Cement Finishers and Terrazzo Workers
7.97 Insulation Appliers
7.98 Pavers, Non-Machine
7.99 Roofers
8.00 Glaziers
8.01 Painters and Paperhangers
8.02 Construction Workers, miscellaneous

8.1 Stationary Engine, Lifting Equipment and Related Construction Machinery Operation Occupations

8.10 Excavating, Grading and other Construction Machinery Operators, miscellaneous
8.11 Stationary Engine Operators and Firemen
8.12 Lifting Equipment Operators
8.14 Riggers

8.2 Printing, Bookbinding and Paper Products Making occupations

8.20 Typesetting Machine Operators
8.21 Compositors and related occupations
8.22 Stereotypers and Electrotypers
8.23 Photoengravers and related occupations
8.24 Photo-Mechanical Process Artists and Cameramen
8.25 Pressmen, Printing
8.26 Bookbinders and Related Stationery and Paper Box Makers
8.3 Ceramic and Related Occupations

8.30 Furnacemen, Kilnmen and Ovenmen, Ceramic
8.31 Glass Formers
8.32 Clay and Abrasives Formers
8.33 Glass Cutters and Finishers
8.34 Crushers, Ceramics
8.35 Decorators, ceramics

8.4 Chemicals and Related Processing Occupations

8.40 Batch and Continuous Still Operators
8.41 Evaporator Operators
8.42 Reactor and Converter Operators
8.43 Filter Operators
8.44 Centrifuge Operators
8.45 Mixers and Blenders (Chemicals and Related)
8.46 Cookers and Roasters (Chemicals and Related)
8.47 Millers, Grinders, Crushers and Calenderers (Chemicals and Related)
8.48 Chemical and Related Processing Occupations, Miscellaneous

8.5 Pelt and Hide Treating Occupations

8.50 Leather Tanners and related occupations
8.51 Leather Curriers, Dyers and Finishers
8.52 Pelt Dressers, Dyers and Finishers

8.6 Food and Tobacco Processing Occupations

8.60 Butchers and Related Meat and Fish Cutters and Curers
8.61 Food Canners, Freezers and Related Preservers
8.62 Candy Makers and Related Occupations
8.63 Bakers
8.64 Dairy Workers
8.65 Distillers and Wine Makers
8.66 Millers and Mixers, Grains and Related Foods Workers
8.67 Miscellaneous Food Processors
8.68 Tobacco Products Makers

8.7 Miscellaneous Crafts, Production Process and Related Occupations

8.70 Traffic Controllers, miscellaneous
8.71 Dry Cleaners and Launderers, miscellaneous
8.72 Rubber Products Makers, miscellaneous
8.73 Plastics Products Makers, miscellaneous
8.74 Machine Setters, miscellaneous
8.75 Furnace Stove, Oven and Kiln Operators, miscellaneous
8.76 Photographic Dark Room Workers
8.79 Miscellaneous Crafts, Production Process and Related Workers, other

D 8.9 Labourers in Crafts, Production and Related Processes

D 8.99 Labourers in crafts, production and related processes

9. Service Occupations

9.0 Protective Service Occupations

9.00 Fire Fighters and related occupations
9.01 Police, Investigators, Guards and related occupations

9.1 Domestic, Personal and Related Services

9.10 Housekeeping Service Workers
9.11 Building Caretakers
9.12 Cooks, Institutional and Domestic
9.13 Waiters and Related Workers
9.14 Beauticians and Related Workers
9.15 Personal and Domestic Service Workers, miscellaneous

9.9 Labourers, Service

D 9.99 Labourers Service
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Delete paragraph 6 and change number of paragraph 7 to 6.