SOCIO-ECONOMIC OBJECTIVE CLASSIFICATION (SEO)

DIVISION 1 DEFENCE

Subdivision	Group	Class	
610000			**DEFENCE**
	610100		Defence
		610101	Navy
		610102	Army
		610103	Air Force
		610104	Combined Operations
		610199	Other

DIVISION 2 ECONOMIC DEVELOPMENT

Subdivision	Group	Class	
620000			**PLANT PRODUCTION AND PLANT PRIMARY PRODUCTS**
	620100		Field Crops
		620101	Wheat
		620102	Barley
		620103	Rice
		620104	Other cereals
		620105	Oilseeds
		620106	Sugar
		620107	Cotton
		620108	Grain legumes
		620199	Field crops not elsewhere classified
	620200		Horticultural Crops
		620201	Stone fruit
		620202	Pome fruit
		620203	Citrus
		620204	Grapes
		620205	Tropical fruit
		620206	Berry fruit
		620207	Tree nuts
		620208	Vegetables
		620209	Ornamentals, Australian natives and nursery plants
		620299	Horticultural crops not elsewhere classified
	620300		Forestry
		620301	Native forests
		620302	Softwood plantations
		620303	Hardwood plantations
		620304	Harvesting and transport of forest products
		620305	Integration of farm and forestry
		620399	Forestry not elsewhere classified
	620400		Primary Products From Plants
		620401	Fresh fruit and vegetables (post harvest)
		620402	Unprocessed cereals
		620403	Tobacco leaf
		620404	Cotton lint and cotton seed
		620499	Primary plant products not elsewhere classified
	620500		Sustainable Plant Production Systems
		620501	Field crops
		620502	Horticultural crops
		620503	Forestry
		620504	Primary products from plants
630000			**ANIMAL PRODUCTION AND ANIMAL PRIMARY PRODUCTS**
	630100		Livestock
		630101	Sheep—meat
		630102	Sheep—wool
		630103	Beef cattle
		630104	Dairy cattle
		630105	Pigs
		630106	Poultry
		630107	Minor livestock (e.g. horses, goats, deer)
		630199	Livestock not elsewhere classified
	630200		Pasture, Browse and Fodder Crops
		630201	Sown legumes
		630202	Sown grasses
		630203	Browse crops
		630204	Fodder crops
		630205	Native vegetation
		630299	Other

DIVISION 2 ECONOMIC DEVELOPMENT *continued*

Subdivision	Group	Class	
	630300		Fish
		630301	Fisheries—commercial
		630302	Fisheries—recreational
		630303	Aquaculture
		630399	Fish not elsewhere classified
	630400		Primary Products From Animals
		630401	Minimally processed fish
		630402	Minimally processed milk
		630403	Raw wool
		630404	Hides and skins
		630499	Primary animal products not elsewhere classified
	630500		Sustainable Animal Production Systems
		630501	Livestock
		630502	Pasture, browse and fodder crops
		630503	Fish
		630504	Primary products from animals
640000			**MINERAL RESOURCES (EXCL. ENERGY)**
	640100		Exploration
		640101	Iron ores (i.e. ferrous ores)
		640102	Aluminium ores
		640103	Precious (noble) metal ores
		640104	Titanium minerals, zircon, and rare earth metal ores (e.g. monazite)
		640105	Other non-ferrous ores (e.g. copper, zinc)
		640106	Stone and clay
		640199	Other non-metallic minerals (incl. diamonds)
	640200		Primary Mining and Extraction Processes
		640201	Iron ores (i.e. ferrous ores)
		640202	Aluminium ores
		640203	Precious (noble) metal ores
		640204	Titanium minerals, zircon, and rare earth metal ores (e.g. monazite)
		640205	Other non-ferrous ores (e.g. copper, zinc)
		640206	Stone and clay
		640299	Other non-metallic minerals (incl. diamonds)
	640300		First Stage Treatment of Ores and Minerals
		640301	Beneficiation or dressing of iron ores
		640302	Alumina production
		640303	Other beneficiation of bauxite and aluminium ores
		640304	Concentrating processes of other base metal ores
		640305	Production of unrefined precious metal ingots and concentrates
		640306	Beneficiation or dressing of non-metallic minerals (incl. diamonds)
		640399	Other
	640400		Prevention and Treatment of Pollution
		640401	Exploration
		640402	Primary mining and extraction processes
		640403	First stage treatment of ores and minerals
650000			**ENERGY RESOURCES**
	650100		Exploration
		650101	Uranium
		650102	Coal
		650103	Oil and gas
		650104	Oil shale and tar sands
		650199	Other

DIVISION 2 ECONOMIC DEVELOPMENT *continued*

Subdivision	Group	Class	
	650200		Mining and Extraction
		650201	Uranium
		650202	Coal
		650203	Oil and gas
		650204	Oil shale and tar sands
		650299	Other
	650300		Preparation and Supply of Energy Source Minerals
		650301	Uranium
		650302	Coal
		650303	Oil and gas
		650304	Oil shale and tar sands
		650399	Energy minerals not elsewhere classified
	650400		Prevention and Treatment of Pollution
		650401	Exploration
		650402	Mining and extraction
		650403	Preparation and supply of energy source minerals
	659900		Other
		659999	Other (e.g. safety)
660000			ENERGY SUPPLY
	660100		Energy Transformation
		660101	Coal—electricity
		660102	Coal—conversion to liquid fuels
		660103	Coal—other purposes
		660104	Nuclear
		660105	Refined oil and gas
		660106	Gas—conversion to liquid fuels
		660107	Oil shale and tar sands—conversion to liquid fuels
		660199	Energy transformation not elsewhere classified
	660200		Renewable Energy
		660201	Hydro-electric
		660202	Wind
		660203	Ocean
		660204	Solar-thermal
		660205	Solar-photoelectric
		660206	Solar-thermal electric
		660299	Renewable energy not elsewhere classified (e.g. geothermal)
	660300		Energy Storage and Distribution
		660301	Electricity transmission
		660302	Gas distribution
		660303	Energy storage
		660304	Energy systems analysis
		660399	Energy distribution not elsewhere classified
	660400		Conservation and Efficiency
		660401	Industry
		660402	Residential and commercial
		660403	Transport
		660499	Other
	660500		Prevention and Treatment of Pollution
		660501	Energy transformation
		660502	Renewable energy
		660503	Energy storage and distribution
		660504	Conservation and efficiency
	669900		Other
		669999	Other (e.g. safety)

DIVISION 2 ECONOMIC DEVELOPMENT *continued*

Subdivision	Group	Class	
670000			**MANUFACTURING**
	670100		Processed Food Products and Beverages
		670101	Carcass meat
		670102	Meat products
		670103	Fish products
		670104	Fruit and vegetable products (incl. fruit juices)
		670105	Dairy products
		670106	Oils and fats (incl. margarines)
		670107	Grain mill products, starch and starch products (incl. sugar, bakery products)
		670108	Beverages (e.g. alcohol, wines, soft drinks, excl. fruit juices)
		670199	Processed food products and beverages not elsewhere classified
	670200		Fibre Processing and Textiles; Footwear and Leather Products
		670201	Cotton ginning
		670202	Wool scouring and top making
		670203	Natural yarns and fabrics
		670204	Synthetic fibres, yarns and fabrics
		670205	Other fibre processing and textiles
		670206	Processed skins, leather and leather products not elsewhere classified
		670207	Clothing
		670208	Footwear
		670299	Other
	670300		Wood, Wood Products and Paper
		670301	Hardwood sawing and veneer
		670302	Softwood sawing and veneer
		670303	Pulp and paper
		670304	Reconstituted products (e.g. chipboard, particle board)
		670305	Woodchips
		670306	Wood products not elsewhere classified
		670307	Paper products
		670308	Printing and publishing processes
		670399	Other
	670400		Human Pharmaceutical Products
		670401	Prevention—biologicals (e.g. vaccines)
		670402	Diagnostics
		670403	Treatments (e.g. chemicals, antibiotics)
		670499	Other
	670500		Veterinary Pharmaceutical Products
		670501	Prevention—biologicals (e.g. vaccines)
		670502	Diagnostics
		670503	Treatments (e.g. chemicals, antibiotics)
		670599	Other (incl. production enhancement)
	670600		Agricultural Chemicals
		670601	Chemical fertilisers
		670602	Crop and animal protection chemicals
		670699	Agricultural chemicals not elsewhere classified
	670700		Industrial Chemicals and Related Products
		670701	Industrial gases
		670702	Synthetic resins and rubber
		670703	Rubber products
		670704	Plastics in primary forms
		670705	Plastic products (incl. construction materials)
		670706	Organic industrial chemicals not elsewhere classified
		670707	Inorganic industrial chemicals
		670708	Paints
		670709	Soaps and cosmetics
		670710	Bituminous products
		670711	Lubricants
		670799	Other

DIVISION 2 ECONOMIC DEVELOPMENT *continued*

Subdivision	Group	Class	
	670800		Basic Metal Products (incl. Smelting)
		670801	Iron and steel (e.g. ingots, bars, rods, shapes and sections)
		670802	Aluminium
		670803	Precious metals (e.g. refined bullion, wire and strip)
		670899	Other non-ferrous metals (e.g. copper, zinc)
	670900		Ceramics, Glass and Industrial Mineral Products
		670901	Ceramics
		670902	Structural glass and glass products
		670903	Clay products
		670904	Cement and concrete products
		670999	Ceramics, glass and industrial mineral products not elsewhere classified
	671000		Fabricated Metal Products
		671001	Structural metal products
		671002	Sheet metal products
		671003	Semi-finished products
		671004	Castings
		671005	Machined products
		671099	Fabricated metal products not elsewhere classified
	671100		Transport Equipment
		671101	Automotive equipment
		671102	Rail equipment
		671103	Nautical equipment
		671104	Aerospace equipment
		671199	Transport equipment not elsewhere classified
	671200		Computer Hardware and Electronic Equipment
		671201	Integrated circuits and devices
		671202	Modules—special and attached processors
		671203	Modules—other processes
		671204	Electronic office equipment
		671205	Computer equipment
		671206	Integrated systems
		671299	Computer hardware and electronic equipment not elsewhere classified
	671300		Communication Equipment
		671301	Broadcasting equipment
		671302	Postal equipment
		671303	Voice equipment
		671304	Data, image and text equipment
		671305	Network transmission equipment
		671306	Network switching equipment
		671399	Communication equipment not elsewhere classified
	671400		Instrumentation
		671401	Scientific instrumentation
		671402	Medical instrumentation
		671403	Industrial instrumentation
		671404	Photographic equipment
		671499	Instrumentation not elsewhere classified
	671500		Machinery and Equipment
		671501	Agricultural machinery and equipment
		671502	Mining machinery and equipment
		671503	Appliances and electrical machinery and equipment
		671504	Industrial machinery and equipment
		671505	Construction machinery and equipment
		671599	Machinery and equipment not elsewhere classified
	671600		Other Manufactured Products
		671601	Tobacco products
		671602	Furniture
		671603	Prefabricated buildings
		671699	Manufactured products not elsewhere classified

DIVISION 2 ECONOMIC DEVELOPMENT *continued*

Subdivision	Group	Class	
	671700		Prevention and Treatment Of Pollution
		671701	Processed food products and beverages
		671702	Fibre processing and textiles; footwear and leather products
		671703	Wood, wood products and paper
		671704	Human pharmaceutical products
		671705	Veterinary pharmaceutical products
		671706	Agricultural chemicals
		671707	Industrial chemicals and related products
		671708	Basic metal products (incl. smelting)
		671709	Ceramics, glass and industrial mineral products
		671710	Fabricated metal products
		671711	Transport equipment
		671712	Computer hardware and electronic equipment
		671713	Communication equipment
		671714	Instrumentation
		671715	Machinery and equipment
		671716	Other manufactured products
680000			**CONSTRUCTION**
	680100		Planning
		680101	Housing
		680102	Commercial
		680103	Civil
		680104	Industrial
		680199	Other
	680200		Design
		680201	Housing
		680202	Commercial
		680203	Civil
		680204	Industrial
		680299	Other
	680300		Materials Performance and Processes
		680301	Stone, ceramics and clay materials
		680302	Cement and concrete materials
		680303	Polymeric materials (e.g. paints)
		680304	Timber materials
		680305	Metals (composites, coatings, bonding, etc.)
		680399	Other
	680400		Construction Processes
		680401	Housing
		680402	Commercial
		680403	Civil
		680404	Industrial
		680499	Other
	680500		Building Management and Services
		680501	Housing
		680502	Commercial
		680503	Civil
		680504	Industrial
		680599	Other
	680600		Prevention and Treatment of Pollution
		680601	Planning
		680602	Design
		680603	Materials performance and processes
		680604	Construction processes
		680605	Building management and services

DIVISION 2 ECONOMIC DEVELOPMENT *continued*

Subdivision	Group	Class	
690000			**TRANSPORT**
	690100		Ground Transport
		690101	Road safety
		690102	Other road transport
		690103	Rail transport
		690199	Ground transport not elsewhere classified
	690200		Water Transport
		690201	International sea transport
		690202	Coastal water transport
		690203	Inland water transport
	690300		Air Transport
		690301	Air transport
		690302	Space transport
	690400		Other Transport
		690401	Multimodal transport
		690402	Intermodal materials handling
		690499	Transport not elsewhere classified
	690500		Prevention and Treatment of Pollution
		690501	Ground transport
		690502	Water transport
		690503	Air transport
		690504	Other transport
700000			**INFORMATION AND COMMUNICATION SERVICES**
	700100		Computer Software and Services
		700101	Application packages
		700102	Application tools and system utilities
		700103	Information processing services
		700199	Computer software and services not elsewhere classified
	700200		Other Information Services
		700201	Library and related information services
		700299	Information services not elsewhere classified
	700300		Communication Services
		700301	Broadcasting
		700302	Telecommunications
		700303	Postal communications
		700399	Communication services not elsewhere classified
	700400		Prevention and Treatment of Pollution
		700401	Prevention and treatment of pollution
710000			**COMMERCIAL SERVICES AND TOURISM**
	710100		Electricity, Gas and Water Services and Utilities
		710101	Electricity services and utilities
		710102	Gas services and utilities
		710103	Water services and utilities
	710200		Waste Management and Recycling
		710201	Waste management
		710202	Recycling
		710299	Other
	710300		Wholesale and Retail Trade
		710301	Wholesale
		710302	Retail trade
	710400		Finance, Property and Business Services
		710401	Finance and investment services
		710402	Insurance services
		710403	Property and business services

DIVISION 2 ECONOMIC DEVELOPMENT *continued*

Subdivision	Group	Class	
	710500		Tourism
		710501	Economic issues
		710502	Socio-cultural issues
		710503	Tourism infrastructure development
		710599	Tourism not elsewhere classified
	710600		Other Commercial Services
		710601	Recreational services
		710602	Hospitality services
		710603	Commercial security services
		710699	Commercial services not elsewhere classified
	710700		Prevention and Treatment Of Pollution
		710701	Electricity, gas and water services and utilities
		710702	Waste management and recycling
		710703	Wholesale and retail trade
		710704	Finance, property and business services
		710705	Tourism
		710706	Other commercial services
720000			**ECONOMIC FRAMEWORK**
	720100		Macroeconomic Issues
		720101	Fiscal policy
		720102	Monetary policy
		720103	Exchange rates
		720104	Balance of payments
		720105	Income policy
		720106	Taxation
		720199	Macroeconomic issues not elsewhere classified
	720200		Microeconomic Issues
		720201	Microeconomic effects of taxation
		720202	Consumption
		720203	Industrial organisations
		720204	Industry policy
		720205	Industry costs and structure
		720299	Microeconomic issues not elsewhere classified
	720300		International Trade Issues
		720301	Trade policy
		720302	Assistance and protection
		720303	International agreements on trade
		720399	International trade issues not elsewhere classified
	720400		Management and Productivity Issues
		720401	Marketing
		720402	Industrial relations
		720403	Management
		720404	Productivity
		720499	Management and productivity issues not elsewhere classified
	720500		Measurement Standards and Calibration Services
		720501	Defence standards and calibrations
		720502	Manufacturing standards and calibrations
		720503	Service industries standards and calibrations
		720599	Measurement standards and calibration services not elsewhere classified
	729900		Other Economic Issues
		729901	Technological and organisational innovation
		729999	Economic issues not elsewhere classified

DIVISION 3 SOCIETY *continued*

Subdivision	Group	Class	
730000			**HEALTH**
	730100		Clinical (Organs, Diseases and Abnormal Conditions)
		730101	Infectious diseases
		730102	Immune system and allergy
		730103	Blood disorders
		730104	Nervous system and disorders
		730105	Endocrine organs and diseases (incl. diabetes)
		730106	Cardiovascular system and diseases
		730107	Inherited diseases (incl. gene therapy)
		730108	Cancer and related disorders
		730109	Surgical methods and procedures
		730110	Respiratory system and diseases (incl. asthma)
		730111	Hearing, vision, speech and their disorders
		730112	Oro-dental and disorders
		730113	Digestive system and disorders
		730114	Skeletal system and disorders (incl. arthritis)
		730115	Urogenital system and disorders
		730116	Reproductive system and disorders
		730117	Skin and related disorders
		730118	Organs, diseases and abnormal conditions not elsewhere classified
		730199	Clinical health not specific to particular organs, diseases and conditions
	730200		Public Health
		730201	Women's health
		730202	Men's health
		730203	Health related to ageing
		730204	Child health
		730205	Substance abuse
		730206	Aboriginal and Torres Strait Islander health
		730207	Health related to specific ethnic groups
		730208	Occupational health (excl. economic development aspects)
		730209	Rural health
		730210	Environmental health
		730211	Mental health
		730212	Disease distribution and transmission
		730213	Preventive medicine
		730214	Dental health
		730215	Nutrition
		730216	Food safety
		730217	Health status (e.g. indicators of "well-being")
		730218	Social structure and health
		730219	Behaviour and health
		730220	Injury control
		730299	Public health not elsewhere classified
	730300		Health and Support Services
		730301	Health education and promotion
		730302	Nursing
		730303	Occupational, speech and physiotherapy
		730304	Palliative care
		730305	Diagnostic methods
		730306	Evaluation of health outcomes
		730307	Health policy evaluation
		730308	Health policy economic outcomes
		730399	Health and support services not elsewhere classified

DIVISION 3 SOCIETY

Subdivision	Group	Class	
740000			**EDUCATION AND TRAINING**
	740100		Early Childhood and Primary Education
		740101	Early childhood education
		740102	Primary education
	740200		Secondary Education
		740201	Secondary education
	740300		Higher Education
		740301	Higher education
	740400		Vocational Education and Training
		740401	Vocational education and training
	740500		Special Education
		740501	Special education
	749900		Other Education
		749901	Occupational training
		749902	Continuing education
		749903	Aboriginal and Torres Strait Islander education
		749904	Education across cultures
		749905	Gender aspects of education
		749906	Education policy
		749999	Education and training not elsewhere classified
750000			**SOCIAL DEVELOPMENT AND COMMUNITY SERVICES**
	750100		Work
		750101	Employment
		750102	Changing work patterns
		750103	The professions and professionalisation
		750104	Preserving institutional and organisational histories
		750199	Work not elsewhere classified
	750200		Arts and Leisure
		750201	The performing arts (incl. music, theatre and dance)
		750202	The creative arts
		750203	Organised sports
		750204	Recreation
		750299	Arts and leisure not elsewhere classified
	750300		Community Service (excl. Work)
		750301	The distribution of wealth
		750302	Class
		750303	Gender
		750304	The aged
		750305	Ability and disability
		750306	Ethnicity and multiculturalism
		750307	Families
		750308	National identity
		750309	Aboriginal and Torres Strait Islander development and welfare
		750310	Carers development and welfare (i.e. carers for the aged, disabled)
		750311	Migrant development and welfare
		750312	Youth/child development and welfare
		750399	Community services not elsewhere classified
	750400		Religion and Ethics
		750401	Religion and society
		750402	Religious structures and rituals
		750403	Bioethics
		750404	Social ethics
		750405	Environmental ethics
		750406	Business ethics
		750499	Religion and ethics not elsewhere classified

DIVISION 3 SOCIETY *continued*

Subdivision	Group	Class	
	750500		Justice and the Law
		750501	Ownership of the land
		750502	Consumer affairs
		750503	Understanding legal processes
		750504	Law enforcement
		750505	Correctional services
		750599	Justice and the law not elsewhere classified
	750600		Government and Politics
		750601	Understanding political systems
		750602	Understanding electoral systems
		750603	Federalism in Australia
		750604	Civics and citizenship
		750605	Public services management
		750699	Government and politics not elsewhere classified
	750700		International Relations
		750701	Understanding international relations
		750702	Understanding other countries
		750703	International organisations
		750704	International aid
		750799	International relations not elsewhere classified
	750800		Heritage
		750801	Preserving the built environment
		750802	Preserving movable cultural heritage
		750803	Urban planning
		750804	Regional planning
		750805	Aboriginal and Torres Strait Islander heritage
		750899	Heritage not elsewhere classified
	750900		Understanding Past Societies
		750901	Understanding Australia's past
		750902	Understanding the pasts of other societies
	751000		Communication
		751001	Languages and literature
		751002	Languages and literacy
		751003	Visual communication
		751004	The media
		751005	Communication across languages and cultures
		751006	Managing collections
		751099	Communication not elsewhere classified
	759900		Other Social Development and Community Services
		759999	Other social development and community services

DIVISION 4 ENVIRONMENT

Subdivision	Group	Class	
760000			**ENVIRONMENTAL POLICY FRAMEWORKS AND OTHER ASPECTS**
	760100		Environmental Policy, Legislation and Standards
		760101	Global climate change adaptation measures
		760102	Trade and environment
		760103	Consumption patterns, population issues and the environment
		760104	Environmental education and awareness
		760199	Environmental policy, legislation and standards not elsewhere classified
	760200		Environmental and Resource Evaluation
		760201	Institutional arrangements
		760202	Economic incentives and regulation
		760203	Rights to environmental and natural resources
		760299	Environmental and resource evaluation not elsewhere classified
	769900		Other Environmental Aspects
		769999	Other Environmental aspects
770000			**ENVIRONMENTAL MANAGEMENT**
	770100		Climate and Weather
		770101	Climate change
		770102	Climate variability
		770103	Weather
		770199	Other
	770200		Atmosphere (excl. Climate and Weather)
		770201	Atmospheric composition
		770202	Atmospheric processes
	770300		Marine Environment
		770301	Air quality
		770302	Living resources (incl. impacts of fishing on non-target species)
		770303	Control of pests and exotic species
		770304	Physical and chemical conditions
		770305	Oceanic processes (excl. climate related)
		770306	Integrated (ecosystem) assessment and management
		770307	Marine protected areas
		770399	Other
	770400		Coastal and Estuarine Environment
		770401	Air quality
		770402	Land and water management
		770403	Living resources (flora and fauna)
		770404	Control of pests and exotic species
		770405	Physical and chemical conditions
		770406	Integrated (ecosystem) assessment and management
		770407	Remnant vegetation and protected conservation areas (both terrestrial and marine)
		770408	Rehabilitation of degraded coastal and estuarine areas
		770409	Estuarine and lagoon areas
		770499	Other
	770500		Urban and Industrial Environment
		770501	Air quality
		770502	Land and water management
		770503	Living resources (flora and fauna)
		770504	Control of pests and exotic species
		770505	Integrated (ecosystem) assessment and management
		770506	Remnant vegetation and protected conservation areas
		770507	Industrial/degraded areas
		770599	Other

DIVISION 4 ENVIRONMENT *continued*

Subdivision	Group	Class	
	770600		High Country (incl. Mountains)
		770601	Air quality
		770602	Land and water management
		770603	Living resources (flora and fauna)
		770604	Control of pests and exotic species
		770605	Integrated (ecosystem) assessment and management
		770606	Remnant vegetation and protected conservation areas
		770607	Rehabilitation of degraded high country
		770699	Other
	770700		Forest and Wooded Lands
		770701	Air quality
		770702	Land and water management
		770703	Living resources (flora and fauna)
		770704	Control of pests and exotic species
		770705	Integrated (ecosystem) assessment and management
		770706	Remnant vegetation and protected conservation areas
		770707	Rehabilitation/reafforestation
		770799	Other
	770800		Farmland (incl. Arable Land and Permanent Crop Land)
		770801	Air quality
		770802	Land and water management
		770803	Living resources (flora and fauna)
		770804	Control of pests and exotic species
		770805	Integrated (ecosystem) assessment and management
		770806	Remnant vegetation and protected conservation areas
		770807	Rehabilitation of degraded farmland
		770899	Other
	770900		Sparseland (incl. Permanent Grassland and the Arid Zone)
		770901	Air quality
		770902	Land and water management
		770903	Living resources (flora and fauna)
		770904	Control of pests and exotic species
		770905	Integrated (ecosystem) assessment and management
		770906	Remnant vegetation and protected conservation areas
		770907	Rehabilitation of degraded sparseland
		770999	Other
	771000		Mining Environments
		771001	Air quality
		771002	Land and water management
		771003	Living resources (flora and fauna)
		771004	Control of pests and exotic species
		771005	Integrated (ecosystem) assessment and management
		771006	Remnant vegetation and protected conservation areas
		771007	Rehabilitation of degraded mining lands
		771099	Other
	771100		Antarctic and Sub-Antarctic Areas
		771101	Air quality
		771102	Land and water management
		771103	Living resources (flora and fauna)
		771104	Control of pests and exotic species
		771105	Integrated (ecosystem) assessment and management
		771199	Other

DIVISION 4 ENVIRONMENT *continued*

Subdivision	Group	Class	
	779900		Other (incl. Islands)
		779901	Air quality
		779902	Land and water management
		779903	Living resources (flora and fauna)
		779904	Control of pests and exotic species
		779905	Integrated (ecosystem) assessment and management
		779906	Remnant vegetation and protected conservation areas
		779907	Rehabilitation of degraded areas
		779999	Other

DIVISION 5 NON-ORIENTED RESEARCH

Subdivision	Group	Class	
780000			**NON-ORIENTED RESEARCH**
	780100		Non-oriented Research
		780101	Mathematical sciences
		780102	Physical sciences
		780103	Chemical sciences
		780104	Earth sciences
		780105	Biological sciences
		780106	Political science and public policy
		780107	Studies in human society
		780108	Behavioural and cognitive sciences
		780199	Other

DEFINITIONS

DIVISION 1 DEFENCE

SUBDIVISION 610000 DEFENCE

GROUP 610100 DEFENCE

This division covers R&D directed towards the development of defence or national security, including R&D undertaken for military reasons regardless of their content or whether they have secondary civil applications; and towards the development and testing of military or defence related equipment and materials.

It includes nuclear and space R&D undertaken for military purposes.

Group 610100 Defence has five classes:

610101	Navy
610102	Army
610103	Air force
610104	Combined operations
610199	Other

Exclusions: R&D directed towards

(a) improving the methods of producing or processing military or defence related equipment and materials is included in the appropriate groups in Division 2 Economic Development, e.g. military transport equipment is included in Group 671100 Transport Equipment;

(b) the development of measurement standards and calibration for defence related products and processes is also included in Division 2 Economic Development, Subdivision 720000 Economic Framework, Group 720500 Measurement Standards and Calibration Services; and

(c) civil oriented projects although funded by defence agencies is included in the appropriate groups in other divisions, e.g. communication is included in Subdivision 700000 Information and Communication Services, Group 700300 Communication Services.

DIVISION 2 ECONOMIC DEVELOPMENT

This division covers R&D directed towards the various areas of economic development. Such R&D is undertaken in support of plant and animal production, developing mineral and energy resources, energy provision or supply and the development of manufacturing industry, construction industry and transportation systems (incl. safety), the provision of information and communication, the provision of commercial services to all areas of economic development and the contribution to understanding the economic framework within which development takes place.

R&D directed towards improving the methods of producing or processing military or defence materials and equipment is included in this division.

It includes R&D directed towards 'clean production' to minimise emissions to the environment from industrial processes or towards protection of the production site (e.g. sustainability of agricultural production systems).

This division has eleven subdivisions:

620000	Plant Production and Plant Primary Products
630000	Animal Production and Animal Primary Products
640000	Mineral Resources (Excl. Energy)
650000	Energy Resources
660000	Energy Supply
670000	Manufacturing
680000	Construction
690000	Transport
700000	Information and Communication Services
710000	Commercial Services and Tourism
720000	Economic Framework

Exclusions: R&D directed towards the development and testing of military or defence related equipment and materials is included in Division 1 Defence.

SUBDIVISION 620000 PLANT PRODUCTION AND PLANT PRIMARY PRODUCTS

This subdivision covers R&D directed towards improving the characteristics, propagation and growing of field and horticultural crops, native forest, hardwood and softwood plantations; and the production of associated primary plant products.

This subdivision also includes R&D directed towards improving the post-harvest processing, preparation, handling, storage and marketing of primary plant products and R&D directed towards developing sustainable plant production systems.

This subdivision has five groups:

620100	Field Crops
620200	Horticultural Crops
620300	Forestry
620400	Primary Products from Plants
620500	Sustainable Plant Production Systems

Exclusions: R&D directed towards the manufacture of processed plant products and their primary products is included in Subdivision 670000 Manufacturing.

GROUP 620100 FIELD CROPS

This group covers R&D directed towards improving the characteristics and growing of wheat, barley, coarse grains, rice, oilseeds and grain legumes, sugar, cotton or other field crops.

This group includes R&D directed towards harvesting field crops.

This group has nine classes:

620101 Wheat
620102 Barley
620103 Rice
620104 Other cereals
620105 Oilseeds
620106 Sugar
620107 Cotton
620108 Grain legumes
620199 Field crops not elsewhere classified

Exclusions: R&D directed towards the
(a) transportation, storage and marketing of primary products from field crops is included in Group 620400 Primary Products from Plants;
(b) environmental management aspects of growing field crops is included in Group 620500 Sustainable Plant Production Systems;
(c) growing, harvesting and storage of pasture, browse or fodder crops is included in Group 630200 Pasture, Browse and Fodder Crops; and
(d) manufacture of processed products from field crops is included in either Group 670100 Processed Food Products and Beverages, Group 670200 Fibre Processing and Textiles; Footwear and Leather Products or Group 671600 Other Manufactured Products.

GROUP 620200 HORTICULTURAL CROPS

This group covers R&D directed towards improving the characteristics, propagation and growing of stone and pome fruit, citrus, grapes, tropical and berry fruit, tree nuts, vegetables, ornamentals, Australian native plants, nursery plants and other horticultural crops.

This group includes R&D directed towards harvesting horticultural crops.

This group has ten classes:

620201 Stone fruit
620202 Pome fruit
620203 Citrus
620204 Grapes
620205 Tropical fruit
620206 Berry fruit
620207 Tree nuts
620208 Vegetables
620209 Ornamentals, Australian natives and nursery plants
620299 Horticultural crops not elsewhere classified

Exclusions: R&D directed towards the
(a) transportation, storage and marketing of primary horticultural products, including post-harvest handling of fresh fruit and vegetables and other horticultural crops is included in Group 620400 Primary Products from Plants;
(b) environmental management aspects of growing horticultural crops is included in Group 620500 Sustainable Plant Production Systems; and
(c) manufacture of processed products from horticultural crops is included in either Group 670100 Processed Food Products and Beverages or Group 671600 Other Manufactured Products.

GROUP 620300 FORESTRY

This group covers R&D directed towards improving the operation, maintenance and protection (incl. forest fire-fighting and control) of native forests, softwood or hardwood plantations.

This group includes R&D directed towards the harvesting or transportation of wood and other forest products from forests and plantations and towards the integration of farm and forestry.

This group has six classes:

620301 Native forests
620302 Softwood plantations
620303 Hardwood plantations
620304 Harvesting and transport of forest products
620305 Integration of farm and forestry
620399 Forestry not elsewhere classified

Exclusions: R&D directed towards the
(a) environmental management aspects of growing native or plantation forests (incl. native and exotic species not intended for timber or paper production) is included in Group 620500 Sustainable Plant Production Systems; and
(b) processing or manufacture of wood, wood and paper products is included in either Group 670300 Wood, Wood Products and Paper or Group 671600 Other Manufactured Products.

GROUP 620400 PRIMARY PRODUCTS FROM PLANTS

This group covers R&D directed towards improving post-harvest processing or handling (incl. transportation, storage and marketing) of fresh fruit or vegetables, unprocessed cereals, tobacco leaf, cotton lint, cotton seed and other primary plant products.

This group has five classes:

620401 Fresh fruit and vegetables (post harvest)
620402 Unprocessed cereals
620403 Tobacco leaf
620404 Cotton lint and cotton seed
620499 Primary plant products not elsewhere classified

Exclusions: R&D directed towards the
(a) environmental management aspects of preparing or producing primary plant products is included in Group 620500 Sustainable Plant Production Systems;
(b) manufacture of processed products from primary plant products is included in either Group 670100 Processed Food Products and Beverages or Group 670200 Fibre Processing and Textiles; Footwear and Leather Products; and
(c) manufacture of tobacco products is included in Class 671601 Tobacco products.

GROUP 620500 SUSTAINABLE PLANT PRODUCTION SYSTEMS

This group covers R&D directed towards developing sustainable plant production systems. It includes research into soils, water usage and pests if the prime purpose of the research is field crops, horticultural crops, forestry and primary products from plants which are more environmentally and economically sustainable.

This group has four classes:

620501 Field crops
620502 Horticultural crops
620503 Forestry
620504 Primary products from plants

SUBDIVISION 630000 ANIMAL PRODUCTION AND ANIMAL PRIMARY PRODUCTS

This subdivision covers R&D directed towards breeding and farming livestock and the production of associated primary livestock products.

This subdivision includes R&D directed towards growing pasture, browse and fodder crops; commercial (incl. aquaculture) and recreational fishing; the preparation, transportation and storage of primary livestock products such as unprocessed milk and raw wool and developing sustainable animal production systems.

This subdivision has five groups:

630100 Livestock
630200 Pasture, Browse and Fodder Crops
630300 Fish
630400 Primary Products from Animals
630500 Sustainable Animal Production Systems

Exclusions: R&D directed towards the manufacture of processed animal products (incl. fish) and their primary products is included in the appropriate groups in Subdivision 670000 Manufacturing.

GROUP 630100 LIVESTOCK

This group covers R&D directed towards farming or breeding livestock including sheep for meat or wool, beef and dairy cattle, horses, pigs, poultry, deer, goats and other livestock (incl. beekeeping, pet breeding) not elsewhere classified.

This group has eight classes:

630101 Sheep—meat
630102 Sheep—wool
630103 Beef cattle
630104 Dairy cattle
630105 Pigs
630106 Poultry
630107 Minor livestock (e.g. horses, goats, deer)
630199 Livestock not elsewhere classified

Exclusions: R&D directed towards the
(a) preparation, transportation, storage and marketing of primary livestock products, e.g. unprocessed milk, raw wool, raw hides and skins, is included in Group 630400 Primary Products from Animals;
(b) environmental management aspects of livestock farming and preparation of livestock products is included in Group 630500 Sustainable Animal Production Systems; and
(c) manufacture of processed livestock products, e.g. processed milk and processed skins, is included in either Group 670100 Processed Food Products and Beverages, Group 670200 Fibre Processing and Textiles; Footwear and Leather Products or Group 671600 Other Manufactured Products.

GROUP 630200 PASTURE, BROWSE AND FODDER CROPS

This group covers R&D directed towards growing sown legumes, sown grasses, browse and fodder crops, native vegetation and any other pasture crops. This group includes R&D directed towards harvesting, preparation and storage of pasture, browse and fodder crops.

This group has six classes:

630201 Sown legumes
630202 Sown grasses
630203 Browse crops
630204 Fodder crops
630205 Native vegetation
630299 Other

Exclusions: R&D directed towards
(a) growing field crops is included in Group 620100 Field Crops;
(b) propagating and growing horticultural crops is included in Group 620200 Horticultural Crops; and
(c) the environmental management aspects of growing pasture and fodder crops is included in Group 630500 Sustainable Animal Production Systems.

GROUP 630300 FISH

This group covers R&D directed towards commercial and recreational fishing. This includes R&D directed towards fishing wild prawns, rock lobsters, and other marine species in the ocean, coastal and estuarine waters.

This group also includes R&D directed towards aquaculture or fish farming (incl. breeding or harvesting fish, crustaceans, oyster and other molluscs) in a controlled environment.

This group has four classes:

630301 Fisheries—commercial
630302 Fisheries—recreational
630303 Aquaculture
630399 Fish not elsewhere classified

Exclusions: R&D directed towards the
(a) preparation, transport, storage and marketing of minimally processed fish is included in Group 630400 Primary Products from Animals;
(b) environmental management aspects of fishing is included in Group 630500 Sustainable Animal Production Systems; and
(c) manufacture of processed fish products is included in either Group 670100 Processed Food Products and Beverages or Group 671600 Other Manufactured Products.

GROUP 630400 PRIMARY PRODUCTS FROM ANIMALS

This group covers R&D directed towards improving the preparation or handling (incl. transportation, storage and marketing) of primary livestock products such as minimally processed fish, unprocessed milk, raw wool and other animal fibres, hides and skins.

This group has five classes:

630401 Minimally processed fish
630402 Minimally processed milk
630403 Raw wool
630404 Hides and skins
630499 Primary animal products not elsewhere classified

Exclusions: R&D directed towards the
(a) environmental management aspects of preparing or producing primary livestock products is included in Group 630500 Sustainable Animal Production Systems; and
(b) manufacture of processed products from primary livestock products is included in either Group 670100 Processed Food Products and Beverages, Group 670200 Fibre Processing and Textiles; Footwear and Leather Products or Group 671600 Other Manufactured Products.

GROUP 630500 SUSTAINABLE ANIMAL PRODUCTION SYSTEMS

This group covers R&D directed towards developing sustainable animal production systems. It includes research into pastures, water usage and pests if the prime purpose of the research is livestock, pasture crops, fish and primary products from animals which are more environmentally and economically sustainable.

This group has four classes:

630501 Livestock
630502 Pasture, browse and fodder crops
630503 Fish
630504 Primary products from animals

SUBDIVISION 640000 MINERAL RESOURCES (EXCL. ENERGY)

This subdivision covers R&D which primarily benefits or has application to the exploration, mining, extraction and processing of mineral resources.

It includes R&D directed towards 'clean production' to minimise emissions to the environment from the exploration, mining, extraction and processing of mineral resources (excl. energy) or towards protection of the production site.

This subdivision has four groups:

640100 Exploration
640200 Primary Mining and Extraction Processes
640300 First Stage Treatment of Ores and Minerals
640400 Prevention and Treatment of Pollution

Exclusions: R&D directed towards the
(a) production of energy mineral resources is included in Subdivision 650000 Energy Resources; and
(b) manufacture of processed products from mineral resources (incl. refining and smelting) is included in Subdivision 670000 Manufacturing.

GROUP 640100 EXPLORATION

This group covers R&D directed towards exploration for minerals including iron ore, other base metals, bauxite and other non-ferrous metal ores, precious metal ores, diamonds and other precious and semi-precious stones, heavy mineral sands, stone, clay and other mineral and metal ores.

This group has seven classes:

640101 Iron ores (i.e. ferrous ores)
640102 Aluminium ores
640103 Precious (noble) metal ores
640104 Titanium minerals, zircon, and rare earth metal ores (e.g. monazite)
640105 Other non-ferrous ores (e.g. copper, zinc)
640106 Stone and clay
640199 Other non-metallic minerals (incl. diamonds)

Exclusions: R&D directed towards
(a) 'clean production' to minimise emissions to the environment from the exploration for mineral resources (excl. energy) or towards protection of the exploration site is included in Group 640400 Prevention and Treatment of Pollution; and
(b) exploration for energy minerals resources is included in Group 650100 Exploration.

GROUP 640200 PRIMARY MINING AND EXTRACTION PROCESSES

This group covers R&D directed towards mining and extracting iron ore, other base metals, bauxite and other non-ferrous metal ores, precious metal ores, diamonds and other precious and semi-precious stones, heavy mineral sands, stone, clay and other mineral and metal ores.

This group has seven classes:

640201 Iron ores (i.e. ferrous ores)
640202 Aluminium ores
640203 Precious (noble) metal ores
640204 Titanium minerals, zircon, and rare earth metal ores (e.g. monazite)
640205 Other non-ferrous ores (e.g. copper, zinc)
640206 Stone and clay
640299 Other non-metallic minerals (incl. diamonds)

Exclusions: R&D directed towards
(a) 'clean production' to minimise emissions to the environment from the mining and extraction of mineral resources (excl. energy) or towards protection of the production site is included in Group 640400 Prevention and Treatment of Pollution; and
(b) mining and extracting energy mineral resources is included in Group 650200 Mining and Extraction.

GROUP 640300 FIRST STAGE TREATMENT OF ORES AND MINERALS

This group covers R&D directed towards processing minerals, including beneficiated iron ore, other base metal intermediates, alumina and other non-ferrous metal intermediates, precious metals, heavy mineral sands and other mineral and metal ore intermediate products and processing diamonds and other precious and semi-precious stones prior to the cut gem stage.

This group has seven classes:

640301 Beneficiation or dressing of iron ores
640302 Alumina production
640303 Other beneficiation of bauxite and aluminium ores
640304 Concentrating processes of other base metal ores
640305 Production of unrefined precious metal ingots and concentrates
640306 Beneficiation or dressing of non-metallic minerals (incl. diamonds)
640399 Other

Exclusions: R&D directed towards
(a) 'clean production' to minimise emissions to the environment from the processing of mineral resources (excl. energy) or towards protection of the production site is included in Group 640400 Prevention and Treatment of Pollution;
(b) preparation and supply of energy mineral resources is included in Group 650300 Preparation and Supply of Energy Source Minerals; and
(c) manufacture of processed mineral products (incl. refining and smelting) is included in Group 670800 Basic Metal Products (Incl. Smelting).

GROUP 640400 PREVENTION AND TREATMENT OF POLLUTION

This group covers R&D directed towards 'clean production' to minimise emissions to the environment from the exploration, mining, extraction and processing of mineral resources (excl. energy) or towards protection of the production site.

This group has three classes:

640401 Exploration
640402 Primary mining and extraction processes
640403 First stage treatment of ores and minerals

SUBDIVISION 650000 ENERGY RESOURCES

This subdivision covers R&D directed towards the exploration, mining, extraction, preparation and supply of energy mineral resources.

It includes R&D directed towards 'clean production' to minimise emissions to the environment from the exploration, mining, extraction, preparation and supply of energy mineral resources or towards protection of the production site.

This subdivision has five groups:

650100 Exploration
650200 Mining and Extraction
650300 Preparation and Supply of Energy Source Minerals
650400 Prevention and Treatment of Pollution
659900 Other

Exclusions: R&D directed towards the
(a) exploration, mining, extraction and processing of mineral resources other than used in the production and supply of energy is included in Subdivision 640000 Mineral Resources (Excl. Energy); and
(b) manufacture of processed products from energy resource minerals is included in Subdivision 670000 Manufacturing.

GROUP 650100 EXPLORATION

This group covers R&D directed towards exploration for uranium, coal, oil and gas, oil shale and tar sands and other energy minerals used for the energy resource industry.

This group has five classes:

650101 Uranium
650102 Coal
650103 Oil and gas
650104 Oil shale and tar sands
650199 Other

Exclusions: R&D directed towards
(a) exploration for non-energy mineral resources is included in Group 640100 Exploration; and
(b) 'clean production' to minimise emissions to the environment from the exploration for energy mineral resources or towards protection of the exploration site is included in Group 650400 Prevention and Treatment of Pollution.

GROUP 650200 MINING AND EXTRACTION

This group covers R&D directed towards mining and extracting uranium, coal, oil and gas, oil shale and tar sands and other energy resource minerals.

This group has five classes:

650201 Uranium
650202 Coal
650203 Oil and gas
650204 Oil shale and tar sands
650299 Other

Exclusions: R&D directed towards
(a) mining and extracting non-energy mineral resources is included in Group 640200 Primary Mining and Extraction Processes; and
(b) 'clean production' to minimise emissions to the environment from the mining and extraction of energy mineral resources or towards protection of the production site is included in Group 650400 Prevention and Treatment of Pollution.

GROUP 650300 PREPARATION AND SUPPLY OF ENERGY SOURCE MINERALS

This group covers R&D directed towards the preparation and supply of uranium, coal, oil and gas, oil shale and tar sands and other energy source mineral resources.

This group has five classes:

650301 Uranium
650302 Coal
650303 Oil and gas
650304 Oil shale and tar sands
650399 Energy minerals not elsewhere classified

Exclusions: R&D directed towards
(a) processing non-energy mineral resources is included in Group 640300 First Stage Treatment of Ores and Minerals; and
(b) 'clean production' to minimise emissions to the environment from the processing of energy mineral resources or towards protection of the production site is included in Group 650400 Prevention and Treatment of Pollution.

GROUP 650400 PREVENTION AND TREATMENT OF POLLUTION

This group covers R&D directed towards 'clean production' to minimise emissions to the environment from the exploration, mining, extraction, preparation and supply of energy mineral resources or towards protection of the production site.

This group has three classes:

650401 Exploration
650402 Mining and extraction
650403 Preparation and supply of energy source minerals

GROUP 659900 OTHER

This group covers R&D directed towards energy resources not elsewhere classified.

It has the one class:

659999 Other (e.g. safety)

SUBDIVISION 660000 ENERGY SUPPLY

This subdivision covers R&D directed towards renewable energy, energy production and supply, energy transformation, energy distribution and the conservation or efficient use of energy in the form of derived fuels such as petroleum products, electricity, town gas, coke and briquettes and in the form of heat energy.

It includes R&D directed towards 'clean production' to minimise emissions to the environment from the supply of energy or towards protection of the production site.

This subdivision has six groups:

660100 Energy Transformation
660200 Renewable Energy
660300 Energy Storage and Distribution
660400 Conservation and Efficiency
660500 Prevention and Treatment of Pollution
669900 Other

Exclusions: R&D directed towards the commercial provision of electricity, gas and water services and utilities is included in Subdivision 710000 Commercial Services and Tourism, Group 710100 Electricity, Gas and Water Services and Utilities.

GROUP 660100 ENERGY TRANSFORMATION

This group covers R&D directed towards the transformation of energy resource minerals such as coal, uranium, oil and gas into heat, steam or electricity; and the conversion of coal, natural gas, oil shale and tar sands to liquid fuels.

This group has eight classes:

660101 Coal—electricity
660102 Coal—conversion to liquid fuels
660103 Coal—other purposes
660104 Nuclear
660105 Refined oil and gas
660106 Gas—conversion to liquid fuels
660107 Oil shale and tar sands—conversion to liquid fuels
660199 Energy transformation not elsewhere classified

Exclusions: R&D directed towards 'clean production' to minimise emissions to the environment from energy transformation or towards protection of the production site is included in Group 660500 Prevention and Treatment of Pollution.

GROUP 660200 RENEWABLE ENERGY

This group covers R&D directed towards improving the generation and supply of renewable energy including hydro-electric energy, wind, ocean, geothermal, solar-thermal, solar-photoelectric, solar-thermal electric biomass and other forms of renewable energy.

This group has seven classes:

660201 Hydro-electric
660202 Wind
660203 Ocean
660204 Solar-thermal
660205 Solar-photoelectric
660206 Solar-thermal electric
660299 Renewable energy not elsewhere classified (e.g. geothermal)

Exclusions: R&D directed towards protection of the production site is included in Group 660500 Prevention and Treatment of Pollution.

GROUP 660300 ENERGY STORAGE AND DISTRIBUTION

This group covers R&D directed towards improving energy distribution including electricity transmission, gas distribution and other forms of energy distribution (incl. distribution of manufactured gas through systems of mains).

This group includes R&D directed towards energy storage and energy systems analysis.

This group has five classes:

660301 Electricity transmission
660302 Gas distribution
660303 Energy storage
660304 Energy systems analysis
660399 Energy distribution not elsewhere classified

Exclusions: R&D directed towards
(a) 'clean production' to minimise emissions to the environment from energy storage and distribution or towards protection of the production site is included in Group 660500 Prevention and Treatment of Pollution; and
(b) the provision and management of services, such as electricity, gas and water services and utilities to commercial and residential premises is included in Group 710100 Electricity, Gas and Water Services and Utilities.

GROUP 660400 CONSERVATION AND EFFICIENCY

This group covers R&D directed towards the conservation and efficient use of energy in industry, transport, commerce and households.

This group has four classes:

660401 Industry
660402 Residential and commercial
660403 Transport
660499 Other

DIVISION 2 ECONOMIC DEVELOPMENT *continued*

GROUP 660500 PREVENTION AND TREATMENT OF POLLUTION

This group covers R&D directed towards 'clean production' to minimise emissions to the environment from the supply of energy or towards protection of the production site.

This group has four classes:

660501 Energy transformation
660502 Renewable energy
660503 Energy storage and distribution
660504 Conservation and efficiency

GROUP 669900 OTHER

This group covers R&D in energy supply which is not classified elsewhere (e.g. safety).

This group has the one class:

669999 Other

SUBDIVISION 670000 MANUFACTURING

This subdivision covers R&D directed towards refining and developing processes or strategies for transforming processed or unprocessed materials or components into new products.

This subdivision includes R&D directed towards the manufacture of safe products.

It also includes R&D directed towards 'clean production' to minimise emissions to the environment from manufacturing processes or towards protection of the production site.

This subdivision has seventeen groups:

670100 Processed Food Products and Beverages
670200 Fibre Processing and Textiles; Footwear and Leather Products
670300 Wood, Wood Products and Paper
670400 Human Pharmaceutical Products
670500 Veterinary Pharmaceutical Products
670600 Agricultural Chemicals
670700 Industrial Chemicals and Related Products
670800 Basic Metal Products (Incl. Smelting)
670900 Ceramics, Glass and Industrial Mineral Products
671000 Fabricated Metal Products
671100 Transport Equipment
671200 Computer Hardware and Electronic Equipment
671300 Communication Equipment
671400 Instrumentation
671500 Machinery and Equipment
671600 Other Manufactured Products
671700 Prevention and Treatment of Pollution

Exclusions: R&D directed towards
(a) testing the performance, durability and life cycle of manufactured building materials delivered on construction sites is included in Subdivision 680000 Construction; and
(b) environmental health factors in manufacturing is included in Subdivision 730000 Health, Group 730200 Public Health.

GROUP 670100 PROCESSED FOOD PRODUCTS AND BEVERAGES

This group covers R&D directed towards the manufacture of processed plant and animal food products, such as meat, fruit, vegetable and dairy products, fish, oils and fats, grain, bakery and grain mill products, sugar, alcoholic beverages and soft drinks.

This group has nine classes:

670101 Carcass meat
670102 Meat products
670103 Fish products
670104 Fruit and vegetable products (incl. fruit juices)
670105 Dairy products
670106 Oils and fats (incl. margarines)
670107 Grain mill products, starch and starch products (incl. sugar, bakery products)
670108 Beverages (e.g. alcohol, wines, soft drinks, excl. fruit juices)
670199 Processed food products and beverages not elsewhere classified

Exclusions: R&D directed towards 'clean production' to minimise emissions to the environment from manufacturing processes or towards protection of the production site is included in Group 671700 Prevention and Treatment of Pollution.

GROUP 670200 FIBRE PROCESSING AND TEXTILES; FOOTWEAR AND LEATHER PRODUCTS

This group covers R&D directed towards processing natural or synthetic fibres and the manufacture of fabrics, clothing, ropes and twines, floor coverings and other made-up textile products.

This group includes R&D directed towards leather tanning and fur dressing, the manufacture of footwear, processed skins, leather and leather products not classified elsewhere.

This group has nine classes:

670201 Cotton ginning
670202 Wool scouring and top making
670203 Natural yarns and fabrics
670204 Synthetic fibres, yarns and fabrics
670205 Other fibre processing and textiles
670206 Processed skins, leather and leather products not elsewhere classified
670207 Clothing
670208 Footwear
670299 Other

Exclusions: R&D directed towards 'clean production' to minimise emissions to the environment from manufacturing processes or towards protection of the production site is included in Group 671700 Prevention and Treatment of Pollution.

GROUP 670300 WOOD, WOOD PRODUCTS AND PAPER

This group covers R&D directed towards processing hardwood and softwood, log sawmilling, wood chipping, timber dressing and the manufacture of wood products such as wooden structural fittings, plywood and veneer and particle boards of wood.

This group includes R&D directed towards the manufacture of pulp, paper and paper products and towards printing and publishing (except printing and publishing newspapers).

This group has nine classes:

670301 Hardwood sawing and veneer
670302 Softwood sawing and veneer
670303 Pulp and paper
670304 Reconstituted products (e.g. chipboard, particle board)
670305 Woodchips
670306 Wood products not elsewhere classified
670307 Paper products
670308 Printing and publishing processes
670399 Other

Exclusions: R&D directed towards the
(a) harvest and transportation of logs and forest products is included in Group 620300 Forestry;
(b) prefabrication of wooden buildings and the manufacture of wooden furniture is included in Group 671600 Other Manufactured Products;
(c) 'clean production' to minimise emissions to the environment from manufacturing processes or towards protection of the production site is included in Group 671700 Prevention and Treatment of Pollution; and
(d) printing and publishing of newspapers is included in Group 700300 Communication Services.

GROUP 670400 HUMAN PHARMACEUTICAL PRODUCTS

This group covers R&D directed towards the manufacture of pharmaceutical products for use in the prevention, diagnosis and treatment of human diseases.

This group has four classes:

670401 Prevention—biologicals (e.g. vaccines)
670402 Diagnostics
670403 Treatments (e.g. chemicals, antibiotics)
670499 Other

Exclusions: R&D directed towards 'clean production' to minimise emissions to the environment from manufacturing processes or towards protection of the production site is included in Group 671700 Prevention and Treatment of Pollution.

GROUP 670500 VETERINARY PHARMACEUTICAL PRODUCTS

This group covers R&D directed towards the manufacture of pharmaceutical products for use in the prevention, diagnosis and treatment of veterinary diseases.

This group has four classes:

670501 Prevention—biologicals (e.g. vaccines)
670502 Diagnostics
670503 Treatments (e.g. chemicals, antibiotics)
670599 Other (incl. production enhancement)

Exclusions: R&D directed towards
(a) the manufacture of insecticides for sheep or cattle is included in Group 670600 Agricultural Chemicals; and
(b) 'clean production' to minimise emissions to the environment from manufacturing processes or towards protection of the production site is included in Group 671700 Prevention and Treatment of Pollution.

GROUP 670600 AGRICULTURAL CHEMICALS

This group covers R&D directed towards the manufacture of chemical fertilisers, pesticides, insecticides, weedicides and fungicides.

This group has three classes:

670601 Chemical fertilisers
670602 Crop and animal protection chemicals
670699 Agricultural chemicals not elsewhere classified

Exclusions: R&D directed towards 'clean production' to minimise emissions to the environment from manufacturing processes or towards protection of the production site is included in Group 671700 Prevention and Treatment of Pollution.

GROUP 670700 INDUSTRIAL CHEMICALS AND RELATED PRODUCTS

This group covers R&D directed towards the manufacture of industrial gases, synthetic resins and synthetic rubber, rubber and plastic products, organic and inorganic industrial chemicals, inks, paints, explosive, soaps and other detergents, cosmetics and other toiletry products.

It includes R&D directed towards petroleum refining, manufacture of bituminous products and lubricants.

This group has twelve classes:

670701 Industrial gases
670702 Synthetic resins and rubber
670703 Rubber products
670704 Plastics in primary forms
670705 Plastic products (incl. construction materials)
670706 Organic industrial chemicals not elsewhere classified
670707 Inorganic industrial chemicals
670708 Paints
670709 Soaps and cosmetics
670710 Bituminous products
670711 Lubricants
670799 Other

Exclusions: R&D directed towards the manufacture of
(a) human pharmaceutical products is included in Group 670400 Human Pharmaceutical Products;
(b) veterinary pharmaceutical products is included in Group 670500 Veterinary Pharmaceutical Products;
(c) agricultural chemicals is included in Group 670600 Agricultural Chemicals; and
(d) 'clean production' to minimise emissions to the environment from manufacturing processes or towards protection of the production site is included in Group 671700 Prevention and Treatment of Pollution.

GROUP 670800 BASIC METAL PRODUCTS (INCL. SMELTING)

This group covers R&D directed towards the manufacture of ferrous and non-ferrous basic metal products, copper, lead, silver, zinc and other base metals, aluminium and precious metals.

It includes R&D directed towards smelting.

This group has four classes:

670801 Iron and steel (e.g. ingots, bars, rods, shapes, sections)
670802 Aluminium
670803 Precious metals (e.g. refined bullion, wire and strip)
670899 Other non-ferrous metals (e.g. copper, zinc)

Exclusions: R&D directed towards
(a) alumina production and beneficiation of aluminium ores is included in Group 640300 First Stage Treatment of Ores and Minerals; and
(b) 'clean production' to minimise emissions to the environment from manufacturing processes or towards protection of the production site is included in Group 671700 Prevention and Treatment of Pollution.

GROUP 670900 CERAMICS, GLASS AND INDUSTRIAL MINERAL PRODUCTS

This group covers R&D directed towards the manufacture of ceramics, glass and glass products and industrial mineral products, including clay, cement and concrete products.

It includes R&D directed towards the manufacture of plaster and non-metallic mineral products.

This group has five classes:

670901 Ceramics
670902 Structural glass and glass products
670903 Clay products
670904 Cement and concrete products
670999 Ceramics, glass and industrial mineral products not elsewhere classified

Exclusions: R&D directed towards
(a) 'clean production' to minimise emissions to the environment from manufacturing processes or towards protection of the production site is included in Group 671700 Prevention and Treatment of Pollution; and
(b) testing the performance and durability of building materials is included in Group 680300 Materials Performance and Processes.

GROUP 671000 FABRICATED METAL PRODUCTS

This group covers R&D directed towards the manufacture of structural and sheet metal products, castings, machined and semi-finished fabricated metal products. Examples of these products are structural steel, architectural aluminium and metal products, metal containers, sheet metal products including hand tools, general hardware, springs, nuts, rivets and non-ferrous pipe fittings.

This group has six classes:

671001 Structural metal products
671002 Sheet metal products
671003 Semi-finished products
671004 Castings
671005 Machined products
671099 Fabricated metal products not elsewhere classified

Exclusions: R&D directed towards
(a) the prefabrication of metal buildings and manufacture of sheet metal furniture is included in Group 671600 Other Manufactured Products; and
(b) 'clean production' to minimise emissions to the environment from manufacturing processes or towards protection of the production site is included in Group 671700 Prevention and Treatment of Pollution.

GROUP 671100 TRANSPORT EQUIPMENT

This group covers R&D directed towards the manufacture of motor vehicles, railway rolling stock, aeroplanes, ships, boats and other transport equipment not elsewhere classified.

It includes R&D directed towards the manufacture of components and repair of transport equipment included in this classification.

This group has five classes:

671101 Automotive equipment
671102 Rail equipment
671103 Nautical equipment
671104 Aerospace equipment
671199 Transport equipment not elsewhere classified

Exclusions: R&D directed towards 'clean production' to minimise emissions to the environment from manufacturing processes or towards protection of the production site is included in Group 671700 Prevention and Treatment of Pollution.

GROUP 671200 COMPUTER HARDWARE AND ELECTRONIC EQUIPMENT

This group covers R&D directed towards the manufacture of computer hardware and electronic equipment used for offices, computing and integrated systems and computer peripherals.

It includes R&D directed towards the manufacture of business machines such as photocopiers, typewriters or calculators.

This group has seven classes:

671201 Integrated circuits and devices
671202 Modules—special and attached processors
671203 Modules—other processes
671204 Electronic office equipment
671205 Computer equipment
671206 Integrated systems
671299 Computer hardware and electronic equipment not elsewhere classified

Exclusions: R&D directed towards
(a) 'clean production' to minimise emissions to the environment from manufacturing processes or towards protection of the production site is included in Group 671700 Prevention and Treatment of Pollution; and
(b) developing computer software and the provision of programming services is included in Group 700100 Computer Software and Services.

GROUP 671300 COMMUNICATION EQUIPMENT

This group covers R&D directed towards the manufacture of communication equipment, including that used for broadcasting, electronic data, voice or image transmission, network transmission and switching equipment.

This group has seven classes:

671301 Broadcasting equipment
671302 Postal equipment
671303 Voice equipment
671304 Data, image and text equipment
671305 Network transmission equipment
671306 Network switching equipment
671399 Communication equipment not elsewhere classified

Exclusions: R&D directed towards 'clean production' to minimise emissions to the environment from manufacturing processes or towards protection of the production site is included in Group 671700 Prevention and Treatment of Pollution.

GROUP 671400 INSTRUMENTATION

This group covers R&D directed towards the manufacture of scientific, medical and industrial instrumentation, photographic equipment and other instrumentation.

This group has five classes:

671401 Scientific instrumentation
671402 Medical instrumentation
671403 Industrial instrumentation
671404 Photographic equipment
671499 Instrumentation not elsewhere classified

Exclusions: R&D directed towards 'clean production' to minimise emissions to the environment from manufacturing processes or towards protection of the production site is included in Group 671700 Prevention and Treatment of Pollution.

GROUP 671500 MACHINERY AND EQUIPMENT

This group covers R&D directed towards the manufacture of machinery and equipment and towards the manufacture of household appliances and other electrical equipment not classified elsewhere.

This group has six classes:

671501 Agricultural machinery and equipment
671502 Mining machinery and equipment
671503 Appliances and electrical machinery and equipment
671504 Industrial machinery and equipment
671505 Construction machinery and equipment
671599 Machinery and equipment not elsewhere classified

Exclusions: R&D directed towards 'clean production' to minimise emissions to the environment from manufacturing processes or towards protection of the production site is included in Group 671700 Prevention and Treatment of Pollution.

GROUP 671600 OTHER MANUFACTURED PRODUCTS

This group covers R&D directed towards the manufacture of tobacco products, furniture, prefabricated buildings and other products not classified elsewhere.

This group has four classes:

671601 Tobacco products
671602 Furniture
671603 Prefabricated buildings
671699 Manufactured products not elsewhere classified

Exclusions: R&D directed towards 'clean production' to minimise emissions to the environment from manufacturing processes or towards protection of the production site is included in Group 671700 Prevention and Treatment of Pollution.

GROUP 671700 PREVENTION AND TREATMENT OF POLLUTION

This group covers R&D directed towards 'clean production' to minimise emissions to the environment from manufacturing processes or towards protection of the production site.

This group has sixteen classes:

671701 Processed food products and beverages
671702 Fibre processing and textiles; footwear and leather products
671703 Wood, wood products and paper
671704 Human pharmaceutical products
671705 Veterinary pharmaceutical products
671706 Agricultural chemicals
671707 Industrial chemicals and related products
671708 Basic metal products (incl. smelting)
671709 Ceramics, glass and industrial mineral products
671710 Fabricated metal products
671711 Transport equipment
671712 Computer hardware and electronic equipment
671713 Communication equipment
671714 Instrumentation
671715 Machinery and equipment
671716 Other manufactured products

SUBDIVISION 680000 CONSTRUCTION

This subdivision covers R&D directed towards construction. It includes R&D directed towards improving the use and performance of building materials, the processes for which they are used and the functions of engineering, planning, design, management and building services in the construction industry.

This subdivision includes R&D directed towards testing on construction sites the performance, durability and life cycle of materials used in the construction industry; the planning component of the construction up to the stage of developing sketch plans; design component, specifically turning sketch plans into working drawings and specifications; the development and supply of components and materials which are assembled and placed on site to form buildings, but manufactured off-site; and the design, supply and installation of building services.

It includes R&D directed towards 'clean production' to minimise emissions to the environment from construction or towards protection of the production site.

R&D directed towards safety in construction projects is also included in this subdivision.

This subdivision has six groups:

680100 Planning
680200 Design
680300 Materials Performance and Processes
680400 Construction Processes
680500 Building Management and Services
680600 Prevention and Treatment of Pollution

Exclusions: R&D directed towards the
(a) manufacture of materials used in construction is included in the appropriate groups in Subdivision 670000 Manufacturing; and
(b) environmental health considerations in construction is included in Subdivision 730000 Health, Group 730200 Public Health.

GROUP 680100 PLANNING

This group covers R&D directed towards improving the activities associated with the development of construction projects to the sketch plan stage, including urban planning, environmental impact studies, investigation of alternatives, market surveys, information gathering and assessment, geotechnical considerations, conceptual architectural design and project funding.

This group has five classes:

680101 Housing
680102 Commercial
680103 Civil
680104 Industrial
680199 Other

GROUP 680200 DESIGN

This group covers R&D directed towards improving the associated activities which turn a project sketch plan into detailed architectural and engineering designs and specifications and towards the development of building regulations and design codes.

R&D directed towards quantity surveying is also included in this group.

This group has five classes:

680201 Housing
680202 Commercial
680203 Civil
680204 Industrial
680299 Other

GROUP 680300 MATERIALS PERFORMANCE AND PROCESSES

This group covers R&D directed towards testing the performance, durability and life cycle of components and materials which are delivered or assembled on construction sites. The testing of performance, durability or life cycle of building materials on existing buildings is also included in this group. Examples of building materials on which testing is carried out are steel elements and assemblies, concrete, reinforcing bars, precast concrete elements, bricks, blocks, plasterboard, roof tiles, timber and plastic and aluminium components, such as windows, frames and piping.

This group has six classes:

680301 Stone, ceramics and clay materials
680302 Cement and concrete materials
680303 Polymeric materials (e.g. paints)
680304 Timber materials
680305 Metals (composites, coatings, bonding, etc.)
680399 Other

GROUP 680400 CONSTRUCTION PROCESSES

This group covers R&D directed towards improving the associated processes or activities which translate plans and specifications into a finished building.

This group includes R&D directed towards the tendering process, contractual matters, construction management, quality assurance, the actual construction and towards the health and safety aspects in construction.

This group has five classes:

680401 Housing
680402 Commercial
680403 Civil
680404 Industrial
680499 Other

Exclusions: R&D directed towards 'clean production' to minimise emissions to the environment from construction processes or towards protection of the production site is included in Group 680600 Prevention and Treatment of Pollution.

GROUP 680500 BUILDING MANAGEMENT AND SERVICES

This group covers R&D directed towards the design and installation of building services such as lifts, air-conditioning, plumbing, electrical services, communication networks, security and fire alarm systems. R&D directed towards the maintenance or servicing of these services is also included in this group.

This group includes R&D directed towards site demolition, building refurbishment and other construction trade services (e.g. concreting, tiling) not elsewhere classified.

This group has five classes:

680501 Housing
680502 Commercial
680503 Civil
680504 Industrial
680599 Other

GROUP 680600 PREVENTION AND TREATMENT OF POLLUTION

This group covers R&D directed towards 'clean production' to minimise emissions to the environment from construction or towards protection of the production site.

This group has five classes:

680601 Planning
680602 Design
680603 Materials performance and processes
680604 Construction processes
680605 Building management and services

SUBDIVISION 690000 TRANSPORT

This subdivision covers R&D directed towards improving the efficiency and safety of transport systems for moving freight, passengers or livestock by ground, water, air or any combinations of these (e.g. sea–air transport) or by any other means.

This subdivision includes R&D directed towards oceanic currents and processes that impinge on sea safety or navigation.

It includes R&D directed towards minimising emissions to the environment from transport.

This subdivision has five groups:

690100 Ground Transport
690200 Water Transport
690300 Air Transport
690400 Other Transport
690500 Prevention and Treatment of Pollution

Exclusions: R&D directed towards
(a) the transportation of plants and primary plant products, livestock and primary livestock products is included in Subdivision 620000 Plant Production and Plant Primary Products and Subdivision 630000 Animal Production and Animal Primary Products respectively; and
(b) transport systems as an integral part of urban planning is included in Subdivision 680000 Construction.

GROUP 690100 GROUND TRANSPORT

This group covers R&D directed towards road passenger or freight transport, long or short distance bus transport (incl. tramway), railway transport, taxi and other road transport.

This group includes R&D directed towards services to ground transport such as parking services, toll bridge, weighbridge, container terminals and punt operations and towards improving road safety.

This group has four classes:

690101 Road safety
690102 Other road transport
690103 Rail transport
690199 Ground transport not elsewhere classified

Exclusions: R&D directed towards minimising emissions to the environment from ground transport is included in Group 690500 Prevention and Treatment of Pollution.

GROUP 690200 WATER TRANSPORT

This group covers R&D directed towards international, coastal or inland water transport.

This group includes R&D directed towards services to water transport such as stevedoring, water terminals, ports and other services to water transport and towards oceanic currents and processes in so far as they impinge on sea safety or navigation.

This group has three classes:

690201 International sea transport
690202 Coastal water transport
690203 Inland water transport

Exclusions: R&D directed towards minimising emissions to the environment from water transport is included in Group 690500 Prevention and Treatment of Pollution.

GROUP 690300 AIR TRANSPORT

This group covers R&D directed towards international and domestic air transport for passenger, freight and livestock.

It includes R&D directed towards other non-scheduled air and space transport.

This group has two classes:

690301 Air transport
690302 Space transport

Exclusions: R&D directed towards minimising emissions to the environment from air transport is included in Group 690500 Prevention and Treatment of Pollution.

GROUP 690400 OTHER TRANSPORT

This group covers R&D directed towards multi-modal transport and intermodal materials handling.

R&D directed towards pipeline transport and other transport not elsewhere classified is also included in this group.

This group has three classes:

690401 Multimodal transport
690402 Intermodal materials handling
690499 Transport not elsewhere classified

Exclusions: R&D directed towards minimising emissions to the environment from other transport is included in Group 690500 Prevention and Treatment of Pollution.

GROUP 690500 PREVENTION AND TREATMENT OF POLLUTION

This group covers R&D directed towards minimising emissions to the environment from transport.

This group has four classes:

690501 Ground transport
690502 Water transport
690503 Air transport
690504 Other transport

SUBDIVISION 700000 INFORMATION AND COMMUNICATION SERVICES

This subdivision covers R&D directed towards the support and provision of information and communication services (incl. telecommunication services), computer programming or software services, library and library database services, presentations of educational displays for museums, art galleries or other such institutions.

This subdivision includes R&D directed towards printing and publishing newspapers and the provision, processing, presentation or dissemination of information not classified elsewhere.

It includes R&D directed towards the prevention and treatment of pollution by information and communication services.

This subdivision has four groups:

700100 Computer Software and Services
700200 Other Information Services
700300 Communication Services
700400 Prevention and Treatment of Pollution

Exclusions: R&D directed towards the
(a) development or manufacture of computer hardware or electronic equipment (incl. assembly of components) is included in Subdivision 670000 Manufacturing, Group 671200 Computer Hardware and Electronic Equipment; and
(b) development or manufacture of communication equipment (incl. assembly of components) is included in Subdivision 670000 Manufacturing, Group 671300 Communication Equipment.

GROUP 700100 COMPUTER SOFTWARE AND SERVICES

This group covers R&D directed towards the provision of computer programming or software services which has general purpose application.

This group includes R&D directed towards programming or development of computer software, including application packages, application tools, systems utilities or information processing services.

This group has four classes:

700101 Application packages
700102 Application tools and system utilities
700103 Information processing services
700199 Computer software and services not elsewhere classified

Exclusions: R&D directed towards computer programming or software services which is specific to other socio-economic objectives is included in other appropriate groups, e.g. television programming is included in Group 700300 Communication Services.

GROUP 700200 OTHER INFORMATION SERVICES

This group covers R&D directed towards the provision of other information services not elsewhere classified.

It includes R&D directed towards libraries, library data bases and information processing and the presentation of information (incl. displays) in libraries, museums and art galleries, educational centres and similar facilities and other information services not elsewhere classified.

This group has two classes:

700201 Library and related information services
700299 Information services not elsewhere classified

Exclusions: R&D directed towards news or media related information services is included in Group 700300 Communication Services.

GROUP 700300 COMMUNICATION SERVICES

This group covers R&D directed towards telecommunications, postal and courier services, television and radio broadcasting, media services, newspaper publishing and other news dissemination.

This group has four classes:

700301 Broadcasting
700302 Telecommunications
700303 Postal communications
700399 Communication services not elsewhere classified

Exclusions: R&D directed towards printing or publishing books and other periodicals (except newspapers) is included in Group 670300 Wood, Wood Products and Paper.

GROUP 700400 PREVENTION AND TREATMENT OF POLLUTION

This group covers R&D directed towards the prevention and treatment of pollution by information and communication services.

This group has the one class:

700401 Prevention and treatment of pollution

SUBDIVISION 710000 COMMERCIAL SERVICES AND TOURISM

This subdivision covers R&D directed towards the provision of commercial services to all areas of economic and social development.

This subdivision includes R&D directed towards the provision of electricity and gas services to consumers, provision of water, sewerage and drainage services; management and recycling of wastes or waste products as a discrete process or as a service to consumers; wholesale and retail trade services, finance, property and business services; tourism; recreational and personal services and other commercial services not elsewhere classified.

It includes R&D directed towards 'clean production' to minimise emissions to the environment from commercial services or tourism or towards protection of the production site.

This subdivision has seven groups:

710100 Electricity, Gas and Water Services and Utilities
710200 Waste Management and Recycling
710300 Wholesale and Retail Trade
710400 Finance, Property and Business Services
710500 Tourism
710600 Other Commercial Services
710700 Prevention and Treatment of Pollution

Exclusions: R&D directed towards the
(a) transformation of energy into electricity and gas and conservation or efficient use of energy is included in Subdivision 660000 Energy Supply; and
(b) management or recycling of industrial wastes as an integral process within an industry to prevent impacts of economic development on the environment is included in the appropriate groups within the Defence, Economic Development and Society Divisions.

GROUP 710100 ELECTRICITY, GAS AND WATER SERVICES AND UTILITIES

This group covers R&D directed towards the provision of electricity, gas and water services and utilities to industrial and commercial premises and households.

This group includes R&D directed towards the following:

- provision of electricity supply to users as consumers (incl. provision of customer and advisory services);
- repair and maintenance of electricity transmission and power facilities;
- provision of gas supply to users as consumers (incl. provision of customer and advisory services);
- repair and maintenance of gas mains;
- provision of gas supplies to consumers in bottle or bulk (wholesale or retail);
- provision of water services and utilities, stormwater drainage and sewerage treatment concerned with water supply;
- storage, purification or distribution of water;
- repair and maintenance of water related facilities services; and
- operation of irrigation systems.

This group has three classes:

710101 Electricity services and utilities
710102 Gas services and utilities
710103 Water services and utilities

Exclusions: R&D directed towards the
(a) manufacture of gases is included in Group 660100 Energy Transformation;
(b) transmission of electricity and distribution of manufactured gas i.e. transportation through a system of mains, including pipelines operated on own account is included in Group 660300 Energy Storage and Distribution;
(c) construction of new electricity transmission or power facilities, new gas pipelines, dams, water mains and pumping stations is included in Group 680400 Construction Processes; and
(d) 'clean production' to minimise emissions to the environment from electricity, gas and water services and utilities or towards protection of the production site is included in Group 710700 Prevention and Treatment of Pollution.

GROUP 710200 WASTE MANAGEMENT AND RECYCLING

This group covers R&D directed towards management and recycling wastes or waste products considered as a discrete process or as a service to consumers.

R&D directed towards managing sewerage wastes, sewerage treatment (other than concerned with water supply) or towards handling and processing wastes (incl. toxic waste) and scrap is included in this group.

This group has three classes:

710201 Waste management
710202 Recycling
710299 Other

Exclusions: R&D directed towards
(a) the industrial processing of wastes and scrap to manufacture new products is included in the appropriate groups in Subdivision 670000 Manufacturing;
(b) sewerage treatment concerned with water supply is included in Group 710100 Electricity, Gas and Water Services and Utilities;
(c) 'clean production' to minimise emissions to the environment from waste management and recycling or towards protection of the production site is included in Group 710700 Prevention and Treatment of Pollution; and
(d) waste management or recycling as an integral process within an industry to prevent impacts of economic development on the environment is included in the relevant groups in the Defence, Economic Development and Society Divisions.

GROUP 710300 WHOLESALE AND RETAIL TRADE

This group covers R&D directed towards wholesale and retail trade services.

It includes R&D directed towards direct marketing.

This group has two classes:

710301 Wholesale trade
710302 Retail trade

Exclusions: R&D directed towards wholesaling or retailing gas supplies to consumers in bottles or in bulk is included in Group 710100 Electricity, Gas and Water Services and Utilities.

GROUP 710400 FINANCE, PROPERTY AND BUSINESS SERVICES

This group covers R&D directed towards the development and provision of the following services:

- finance and investment services including banks, building societies, credit unions, money market dealing, and other services to finance;
- insurance including life insurance, superannuation funds, health and general insurance and services to insurance;
- property services including real estate agents, property operators and developers; and
- other business services including legal and accounting services, advertising, graphic design, market research, business consultancy, secretarial services and plant leasing and hiring.

This group has three classes:

710401 Finance and investment services
710402 Insurance services
710403 Property and business services

GROUP 710500 TOURISM

This group covers R&D directed towards tourism services.

This group has four classes:

710501 Economic issues
710502 Socio-cultural issues
710503 Tourism infrastructure development
710599 Tourism not elsewhere classified

GROUP 710600 OTHER COMMERCIAL SERVICES

This group covers R&D directed towards the development and provision of commercial services not elsewhere classified.

It includes R&D directed towards the following:

- recreational services mainly of a commercial nature (e.g. casinos);
- hospitality services (e.g. motels, taverns, restaurants);
- the provision of commercial security services (incl. alarm and surveillance services);
- other commercial services such as video hire outlets, hiring of personal and household goods, laundries and dry cleaners, photography services, funeral parlours, crematoria and cemeteries; and
- other business services not classified elsewhere.

This group has four classes:

710601 Recreational services
710602 Hospitality services
710603 Commercial security services
710699 Commercial services not elsewhere classified

Exclusions: R&D directed towards
(a) security services or surveillance systems for military purposes is included in Group 610100 Defence; and for corrective purposes is included in Group 750500 Justice and the Law;
(b) museums and art galleries is included in Group 700200 Other Information Services; and
(c) music and theatre production, sport and services to sport activities (incl. sporting clubs) and recreational and amusement services mainly of a non-commercial nature (e.g. parks, botanical gardens) is included in Group 750200 Arts and Leisure.

GROUP 710700 PREVENTION AND TREATMENT OF POLLUTION

This group covers R&D directed towards 'clean production' to minimise emissions to the environment from commercial services and tourism or towards protection of the production site.

This group has six classes:

710701 Electricity, gas and water services and utilities
710702 Waste management and recycling
710703 Wholesale and retail trade
710704 Finance, property and business services
710705 Tourism
710706 Other commercial services

DIVISION 2 ECONOMIC DEVELOPMENT *continued*

SUBDIVISION 720000 ECONOMIC FRAMEWORK

This subdivision covers R&D directed towards the understanding of the economic framework of development or the application of economic theory to assist development.

This subdivision includes R&D directed towards understanding macroeconomic, microeconomic, international trade, management and productivity issues.

It also includes R&D directed towards developing measurement standards and calibrations services which make a contribution to economic framework.

This subdivision has six groups:

720100 Macroeconomic Issues
720200 Microeconomic Issues
720300 International Trade Issues
720400 Management and Productivity Issues
720500 Measurement Standards and Calibration Services
729900 Other Economic Issues

GROUP 720100 MACROECONOMIC ISSUES

This group covers R&D directed towards the understanding of economic relations at the macroeconomic level, including fiscal policy, monetary policy, exchange rates, balance of payments, income policy, taxation and other macroeconomic issues.

This group has seven classes:

720101 Fiscal policy
720102 Monetary policy
720103 Exchange rates
720104 Balance of payments
720105 Income policy
720106 Taxation
720199 Macroeconomic issues not elsewhere classified

GROUP 720200 MICROECONOMIC ISSUES

This group covers R&D directed towards understanding economic relations at the microeconomic level, including effects on taxation, consumption, industrial organisations, industry policy, industry cost and structure and other microeconomic issues.

This group has six classes:

720201 Microeconomic effects of taxation
720202 Consumption
720203 Industrial organisations
720204 Industry policy
720205 Industry costs and structure
720299 Microeconomic issues not elsewhere classified

GROUP 720300 INTERNATIONAL TRADE ISSUES

This group covers R&D directed towards understanding issues relating to international trade, including trade policy, assistance and protection and international agreements on trade.

This group has four classes:

720301 Trade policy
720302 Assistance and protection
720303 International agreements on trade
720399 International trade issues not elsewhere classified

GROUP 720400 MANAGEMENT AND PRODUCTIVITY ISSUES

This group covers R&D directed towards management and productivity issues.

It includes R&D directed towards marketing and industrial relations.

This group has five classes:

720401 Marketing
720402 Industrial relations
720403 Management
720404 Productivity
720499 Management and productivity issues not elsewhere classified

GROUP 720500 MEASUREMENT STANDARDS AND CALIBRATION SERVICES

This group covers R&D directed towards the development and provision of measurement and calibration standards or services for defence, manufacturing and the service industries.

This group has four classes:

720501 Defence standards and calibrations
720502 Manufacturing standards and calibrations
720503 Service industries standards and calibrations
720599 Measurement standards and calibration services not elsewhere classified

Exclusions: R&D directed towards the manufacture of scientific equipment or other instrumentation is included in Group 671400 Instrumentation.

GROUP 729900 OTHER ECONOMIC ISSUES

This group covers R&D directed towards understanding other economic issues in the economic framework or towards a contribution to economic framework not elsewhere classified.

This group has two classes:

729901 Technological and organisational innovation
729999 Economic issues not elsewhere classified

DIVISION 3 SOCIETY

This division covers R&D directed towards individual and community well-being or towards general social development.

It includes R&D directed towards the improvement and protection of human health, including clinical treatment, development and provision of public health and health support services.

It includes R&D directed towards the provision of education and training.

This division also includes R&D directed towards social development and community services, including work, arts and leisure, justice and the law, government and politics and the provision of welfare and other public services (other than those concerned with economic development).

It also includes R&D directed towards international relations, heritage, communication, religion and the understanding of past societies and ethical issues relating to social development.

This division has three subdivisions:

730000 Health
740000 Education and Training
750000 Social Development and Community Services

Exclusions: R&D directed towards
(a) health and safety issues associated with industrial activities is included in Division 2 Economic Development, e.g. safety in construction industry, is included in Subdivision 680000 Construction; and
(b) the resolution of social and health issues in economic development, e.g. industrial relations and working conditions, is included in Subdivision 720000 Economic Framework, Group 720400 Management and Productivity Issues.

SUBDIVISION 730000 HEALTH

This subdivision covers R&D directed towards human health, including the understanding and treatment of clinical diseases and conditions and the provision of public health and associated support services.

This subdivision has three groups:

730100 Clinical (Organs, Diseases and Abnormal Conditions)
730200 Public Health
730300 Health and Support Services

GROUP 730100 CLINICAL (ORGANS, DISEASES AND ABNORMAL CONDITIONS)

This group covers R&D directed towards the clinical aspects of health and medicine.

It includes R&D directed towards organ diseases or abnormal conditions and mainly aimed at gaining understanding of causes, effects and treatment of specific conditions.

This group has nineteen classes:

730101 Infectious diseases
730102 Immune system and allergy
730103 Blood and disorders
730104 Nervous system and disorders
730105 Endocrine organs and diseases (incl. diabetes)
730106 Cardiovascular system and diseases
730107 Inherited diseases (incl. gene therapy)
730108 Cancer and related disorders
730109 Surgical methods and procedures
730110 Respiratory system and diseases (incl. asthma)
730111 Hearing, vision, speech and their disorders
730112 Oro-dental and disorders
730113 Digestive system and disorders
730114 Skeletal system and disorders (incl. arthritis)
730115 Urogenital system and disorders
730116 Reproductive system and disorders
730117 Skin and related disorders
730118 Organs, diseases and abnormal conditions not elsewhere classified
730199 Clinical health not specific to particular organs, diseases and conditions

Exclusions: R&D directed towards preventive medicine and life-style impact on health, the effect of social conditions (e.g. poverty) on the community health, and the social aspects of health (e.g. food safety, nutrition) is included in Group 730200 Public Health.

GROUP 730200 PUBLIC HEALTH

This group covers R&D directed towards community health or the health of discrete community groups, e.g. aged persons. The primary focus of R&D in this group is on the social and community aspects of health and medicine.

It includes R&D directed towards community support for particular conditions or for discrete groups as they relate to health and medical conditions.

This group also includes R&D directed towards preventive medicine, environmental health (e.g. health factors in constructing an airport) and other broad aspects of public health.

This group has twenty one classes:

730201 Women's health
730202 Men's health
730203 Health related to ageing
730204 Child health
730205 Substance abuse
730206 Aboriginal and Torres Strait Islander health
730207 Health related to specific ethnic groups
730208 Occupational health (excl. economic development aspects)
730209 Rural health
730210 Environmental health
730211 Mental health
730212 Disease distribution and transmission
730213 Preventive medicine
730214 Dental health
730215 Nutrition
730216 Food safety
730217 Health status (e.g. indicators of "well-being")
730218 Social structure and health
730219 Behaviour and health
730220 Injury control
730299 Public health not elsewhere classified

Exclusions: R&D directed towards
(a) understanding the causes, effects and treatment of specific clinical conditions is included in Group 730100 Clinical (Organs, Diseases and Abnormal Conditions); and
(b) the evaluation of health care programs and policies is included in Group 730300 Health and Support Services.

GROUP 730300 HEALTH AND SUPPORT SERVICES

This group covers R&D directed towards community support (incl. community health education and training) in health and medicine. The primary focus of R&D in this group is on the promotion of health education and the evaluation of health programs.

This group includes R&D directed towards health care infrastructure support.

This group has nine classes:

730301 Health education and promotion
730302 Nursing
730303 Occupational, speech and physiotherapy
730304 Palliative care
730305 Diagnostic methods
730306 Evaluation of health outcomes
730307 Health policy evaluation
730308 Health policy economic outcomes
730399 Health and support services not elsewhere classified

Exclusions: R&D directed towards
(a) understanding the causes, effects and the treatment of specific clinical conditions is included in Group 730100 Clinical (Organs, Diseases and Conditions); and
(b) health as it pertains to the general community or discrete groups (e.g. aged persons) is included in Group 730200 Public Health.

SUBDIVISION 740000 EDUCATION AND TRAINING

This subdivision covers R&D directed towards general education and training.

This subdivision has six groups:

740100 Early Childhood and Primary Education
740200 Secondary Education
740300 Higher Education
740400 Vocational Education and Training
740500 Special Education
749900 Other Education

Exclusions: R&D directed towards public health education is included in Group 730300 Health and Support Services.

GROUP 740100 EARLY CHILDHOOD AND PRIMARY EDUCATION

This group covers R&D directed towards early childhood and primary school education.

This group has two classes:

740101 Early childhood education
740102 Primary education

GROUP 740200 SECONDARY EDUCATION

This group covers R&D directed towards high school or secondary education.

It has the one class:

740201 Secondary education

GROUP 740300 HIGHER EDUCATION

This group covers R&D directed towards tertiary or post-secondary education.

It has the one class:

740301 Higher education

Exclusions: R&D directed towards
(a) TAFE colleges operation is included in Group 740400 Vocational Education and Training; and
(b) the provision of continuing education is included in Group 749900 Other Education.

GROUP 740400 VOCATIONAL EDUCATION AND TRAINING

This group covers R&D directed towards vocational education and training, including technical education and TAFE colleges operation.

It has the one class:

740401 Vocational education and training

GROUP 740500 SPECIAL EDUCATION

This group covers R&D directed towards special education for the handicapped or disadvantaged children or persons within the public or private school systems or in the workforce.

This group also includes R&D directed towards the education and training of gifted children.

It has the one class:

740501 Special education

GROUP 749900 OTHER EDUCATION

This group covers R&D directed towards the other areas of education and training, including occupational training, continuing education, Aboriginal and Torres Strait Islander education, education across cultures, gender aspects of education, education policy and other education issues not elsewhere classified.

This group has seven classes:

749901 Occupational training
749902 Continuing education
749903 Aboriginal and Torres Strait Islander education
749904 Education across cultures
749905 Gender aspects of education
749906 Education policy
749999 Education and training not elsewhere classified

Exclusions: R&D directed towards TAFE colleges operation is included in Group 740400 Vocational Education and Training.

SUBDIVISION 750000 SOCIAL DEVELOPMENT AND COMMUNITY SERVICES

This subdivision covers R&D directed towards community and social services (incl. welfare) to individuals or community groups (e.g. disabled, unemployed) and towards social justice and general equity.

This subdivision includes R&D directed towards arts and leisure, justice and the law, government and politics, international relations, heritage, communication, religion and the understanding of past societies and ethical issues relating to social development.

This subdivision has eleven groups:

750100 Work
750200 Arts and Leisure
750300 Community Service (Excl. Work)
750400 Religion and Ethics
750500 Justice and the Law
750600 Government and Politics
750700 International Relations
750800 Heritage
750900 Understanding Past Societies
751000 Communication
759900 Other Social Development and Community Services

Exclusions: R&D directed towards
(a) recreational services mainly of a commercial nature (e.g. casino, cinema) is included in Subdivision 710000 Commercial Services and Tourism, Class 710601 Recreational services; and
(b) the provision of community health services and their associated support services is included in the appropriate groups in Subdivision 730000 Health.

GROUP 750100 WORK

This group covers R&D directed towards aspects of work, such as employment, work patterns, the professions and preserving institutional and organisational histories.

This group has five classes:

750101 Employment
750102 Changing work patterns
750103 The professions and professionalisation
750104 Preserving institutional and organisational histories
750199 Work not elsewhere classified

Exclusions: R&D directed towards

(a) industrial relations is included in Group 720400 Management and Productivity Issues, Class 720402 Industrial relations; and
(b) occupational health is included in Group 730200 Public Health, Class 730208 Occupational health (excl. economic development aspects).

GROUP 750200 ARTS AND LEISURE

This group covers R&D directed towards the arts and related cultural activities.

It includes R&D directed towards:

- sport and physical endeavour or other recreation activities not elsewhere classified;
- visual arts, painting, sculpture, dance, drama, the performing arts and music;
- music and theatre production, sound recording and the provision of services to the arts;
- the operation of race tracks, sport grounds and facilities and the provision of services to sport (incl. sporting clubs); and
- the operation of parks, botanical and zoological gardens.

This group has five classes:

750201 The performing arts (incl. music, theatre and dance)
750202 The creative arts
750203 Organised sport
750204 Recreation
750299 Arts and leisure not elsewhere classified

Exclusions: R&D directed towards
(a) museums and art galleries is included in Group 700200 Other Information Services;
(b) cinemas or motion picture exhibition is included in Group 710600 Other Commercial Services, Class 710601 Recreational Services; and
(c) motion picture (incl. video) production and distribution is included in Group 710600 Other Commercial Services, Class 710699 Commercial Services not elsewhere classified.

GROUP 750300 COMMUNITY SERVICE (EXCL. WORK)

This group covers R&D directed towards the provision or delivery of community and welfare services to individuals or to defined community groups such as the disabled, aged persons and single parents.

This group has thirteen classes:

750301 The distribution of wealth
750302 Class
750303 Gender
750304 The aged
750305 Ability and disability
750306 Ethnicity and multiculturalism
750307 Families
750308 National identity
750309 Aboriginal and Torres Strait Islander development and welfare
750310 Carers development and welfare (i.e. carers for the aged, disabled)
750311 Migrant development and welfare
750312 Youth/child development and welfare
750399 Community service not elsewhere classified

Exclusions: R&D directed towards community health education is included in Group 730300 Health and Support Services.

GROUP 750400 RELIGION AND ETHICS

This group covers R&D directed towards the understanding and analyses of religion and ethical issues of concern to social, scientific or technological development, the application of ethical or moral theory to such issues and the development of codes of behaviour or standards of practice for businesses, professions and trades.

It includes R&D in bioethics or biomedical ethics and environmental ethics.

This group has seven classes:

750401 Religion and society
750402 Religious structures and rituals
750403 Bioethics
750404 Social ethics
750405 Environmental ethics
750406 Business ethics
750499 Religion and ethics not elsewhere classified

Exclusions: R&D directed towards ethics, moral theory or theories of no immediate value to social, scientific or technological development is included in Subdivision 780000 Non-Oriented Research, Class 780199 Other.

GROUP 750500 JUSTICE AND THE LAW

This group covers R&D directed towards justice and the law.

It includes R&D in land ownership, consumer affairs, legal processes, law enforcement and correctional services.

This group has six classes:

750501 Ownership of the land
750502 Consumer affairs
750503 Understanding legal processes
750504 Law enforcement
750505 Correctional services
750599 Justice and the law not elsewhere classified

GROUP 750600 GOVERNMENT AND POLITICS

This group covers R&D directed towards the understanding and analyses of government and politics.

It includes R&D directed towards the understanding of electoral systems, civics and citizenship and public services management.

This group has six classes:

750601 Understanding political systems
750602 Understanding electoral systems
750603 Federalism in Australia
750604 Civics and citizenship
750605 Public services management
750699 Government and politics not elsewhere classified

GROUP 750700 INTERNATIONAL RELATIONS

This group covers R&D directed towards improving international relations.

This group has five classes:

750701 Understanding international relations
750702 Understanding other countries
750703 International organisations
750704 International aid
750799 International relations not elsewhere classified

Exclusions: R&D directed towards

(a) international trade or international economic relations is included in Group 720300 International Trade Issues; and
(b) international environmental protection issues is included in the appropriate groups in Subdivision 760000 Environmental Policy Frameworks and Other Aspects.

GROUP 750800 HERITAGE

This group covers R&D directed towards heritage issues, such as preservation and urban and regional planning.

This group has six classes:

750801 Preserving the built environment
750802 Preserving movable cultural heritage
750803 Urban planning
750804 Regional planning
750805 Aboriginal and Torres Strait Islander heritage
750899 Heritage not elsewhere classified

GROUP 750900 UNDERSTANDING PAST SOCIETIES

This group covers R&D directed towards the understanding of past societies.

This group has two classes:

750901 Understanding Australia's past
750902 Understanding the pasts of other societies

GROUP 751000 COMMUNICATION

This group covers R&D directed towards improving communication.

This group has seven classes:

751001 Languages and literature
751002 Languages and literacy
751003 Visual communication
751004 The media
751005 Communication across languages and culture
751006 Managing collections
751099 Communication not elsewhere classified

GROUP 759900 OTHER SOCIAL DEVELOPMENT AND COMMUNITY SERVICES

This group covers R&D directed towards social development and community services which are not elsewhere classified.

It has the one class:

759999 Other social development and community services

DIVISION 4 ENVIRONMENT

This division covers R&D directed towards assessing and sustaining the quality of the environment and its natural resources. The *environment* for purposes of this classification refers to 'all surroundings of human beings, whether affecting human beings as individuals or in social groupings'. Source: *Environmental Protection (Impact of Proposals) Act 1975*.

This division includes R&D directed towards the study of the environment (both of pristine and degraded or altered states) conducted in the context of developing management strategies to sustain the quality of environmental attributes. It also includes studies of the environmental impact of socio-economic activities as well as R&D for the development of social and economic environmental policies.

This division has two subdivisions:

760000 Environmental Policy Frameworks and Other Aspects
770000 Environmental Management

Exclusions: R&D directed towards
(a) the provision of services to improve individual and community health is included in Division 3 Society, Group 730200 Public Health, Class 730210 Environmental health;
(b) social environment is included in Subdivision 750000 Social Development and Community Services; and
(c) 'clean production' to minimise emissions to the environment from industrial processes or towards protection of the production site (e.g. sustainability of agricultural production systems) is included in the relevant Subdivisions and Groups of the Defence, Economic Development and Society Divisions.

SUBDIVISION 760000 ENVIRONMENTAL POLICY FRAMEWORKS AND OTHER ASPECTS

This subdivision covers R&D directed towards the development of social and economic environmental policies. This subdivision also covers R&D directed towards environmental aspects which are not elsewhere classified.

This subdivision has three groups:

760100 Environmental Policy, Legislation and Standards
760200 Environmental and Resource Evaluation
769900 Other Environmental Aspects

Exclusions: R&D directed towards
(a) the provision of services to improve individual and community health is included in Division 3 Society, Group 730200 Public Health, Class 730210 Environmental health;
(b) social environment is included in Subdivision 750000 Social Development and Community Services; and
(c) environmental management is included in Subdivision 770000 Environmental Management.

GROUP 760100 ENVIRONMENTAL POLICY, LEGISLATION AND STANDARDS

This group covers R&D directed towards the development of environmental policy, legislation and standards.

This group has five classes:

760101 Global climate change adaptation measures
760102 Trade and environment
760103 Consumption patterns, population issues and the environment
760104 Environmental education and awareness
760199 Environmental policy, legislation and standards not elsewhere classified

Exclusions: R&D directed towards
(a) the provision of services to improve individual and community health is included in Division 3 Society, Group 730200 Public Health, Class 730210 Environmental health; and
(b) social environment is included in Subdivision 750000 Social Development and Community Services.

GROUP 760200 ENVIRONMENTAL AND RESOURCE EVALUATION

This group covers R&D directed towards environmental and resource evaluation.

This group has four classes:

760201 Institutional arrangements
760202 Economic incentives and regulation
760203 Rights to environmental and natural resources
760299 Environmental and resource evaluation not elsewhere classified

GROUP 769900 OTHER ENVIRONMENTAL ASPECTS

This group covers R&D directed towards environmental aspects which are not elsewhere classified.

It has the one class:

769999 Other environmental aspects

Exclusions: R&D directed towards environmental management is included in Subdivision 770000 Environmental Management.

SUBDIVISION 770000 ENVIRONMENTAL MANAGEMENT

This subdivision covers R&D directed towards the study of the environment (both of pristine and degraded or altered states) conducted in the context of developing management strategies to sustain the quality of environmental attributes. It also includes studies of the environmental impact of socio-economic activities.

This subdivision has twelve groups:

770100 Climate and Weather
770200 Atmosphere (Excl. Climate and Weather)
770300 Marine Environment
770400 Coastal and Estuarine Environment
770500 Urban and Industrial Environment
770600 High Country (Incl. Mountains)
770700 Forest and Wooded Lands
770800 Farmland (Incl. Arable Land and Permanent Crop Land)
770900 Sparseland (Incl. Permanent Grassland and the Arid Zone)
771000 Mining Environments
771100 Antarctic and Sub-Antarctic Areas
779900 Other (Incl. Islands)

Exclusions: R&D directed towards 'clean production' to minimise emissions to the environment from industrial processes or towards protection of the production site (e.g. sustainability of agricultural production systems) is included in the relevant Subdivisions and Groups of the Defence, Economic Development and Society Divisions.

GROUP 770100 CLIMATE AND WEATHER

This group covers R&D directed towards the expansion of knowledge and understanding of the climate and the weather. Climate for the purpose of this classification refers to a long term average condition of the weather in a given area.

This group has four classes:

770101 Climate change
770102 Climate variability
770103 Weather
770199 Other

Exclusions: R&D directed towards 'clean production' to minimise emissions to the environment from industrial processes is included in the relevant Subdivisions and Groups of the Defence, Economic Development and Society Divisions.

GROUP 770200 ATMOSPHERE (EXCL. CLIMATE AND WEATHER)

This group covers R&D directed towards the expansion of knowledge and understanding of the atmosphere, including understanding the changes in the upper atmosphere (stratosphere—between 10 and 59 km altitude), ozone concentrations and their effects.

This group has two classes:

770201 Atmospheric composition
770202 Atmospheric processes

Exclusions: R&D directed towards 'clean production' to minimise emissions to the environment from industrial processes is included in the relevant Subdivisions and Groups of the Defence, Economic Development and Society Divisions.

GROUP 770300 MARINE ENVIRONMENT

This group covers R&D directed towards the expansion of knowledge and understanding of the marine environment.

This group has eight classes:

770301 Air quality
770302 Living resources (incl. impacts of fishing on non-target species)
770303 Control of pests and exotic species
770304 Physical and chemical conditions
770305 Oceanic processes (excl. climate related)
770306 Integrated (ecosystem) assessment and management
770307 Marine protected areas
770399 Other

Exclusions: R&D directed towards
(a) understanding of oceanic currents, etc. for naval safety or navigation is included in Group 690200 Water Transport; and
(b) 'clean production' to minimise emissions to the environment from industrial processes is included in the relevant Subdivisions and Groups of the Defence, Economic Development and Society Divisions.

GROUP 770400 COASTAL AND ESTUARINE ENVIRONMENT

This group covers R&D directed towards enhancing knowledge, awareness and understanding of the coastal and estuarine environment. Coastal refers to an area within 150 km of the coastline.

This group has ten classes:

770401 Air quality
770402 Land and water management
770403 Living resources (flora and fauna)
770404 Control of pests and exotic species
770405 Physical and chemical conditions
770406 Integrated (ecosystem) assessment and management
770407 Remnant vegetation and protected conservation areas (both terrestrial and marine)
770408 Rehabilitation of degraded coastal and estuarine areas
770409 Estuarine and lagoon areas
770499 Other

Exclusions: R&D directed towards
(a) understanding of oceanic currents, etc. for naval safety or navigation is included in Group 690200 Water Transport; and
(b) 'clean production' to minimise emissions to the environment from industrial processes is included in the relevant Subdivisions and Groups of the Defence, Economic Development and Society Divisions.

GROUP 770500 URBAN AND INDUSTRIAL ENVIRONMENT

This group covers R&D directed towards enhancing knowledge, awareness and understanding of the urban and industrial environment. Urban refers to areas where most Australians live, i.e. 92% of people live within 14% of the land area of Australia at an average population density of 13 people/km^2.

This group has eight classes:

770501 Air quality
770502 Land and water management
770503 Living resources (flora and fauna)
770504 Control of pests and exotic species
770505 Integrated (ecosystem) assessment and management
770506 Remnant vegetation and protected conservation areas
770507 Industrial/degraded areas
770599 Other

Exclusions: R&D directed towards 'clean production' to minimise emissions to the environment from industrial processes is included in the relevant Subdivisions and Groups of the Defence, Economic Development and Society Divisions.

GROUP 770600 HIGH COUNTRY (INCL. MOUNTAINS)

This group covers R&D directed towards enhancing knowledge, awareness and understanding of the environment of the high country (incl. mountains). For purposes of this classification, high country (incl. mountains) refers to the area, including the Great Dividing Range and the Great Escarpment, which are above 1000 metres in altitude.

This group has eight classes:

770601 Air quality
770602 Land and water management
770603 Living resources (flora and fauna)
770604 Control of pests and exotic species
770605 Integrated (ecosystem) assessment and management
770606 Remnant vegetation and protected conservation areas
770607 Rehabilitation of degraded high country
770699 Other

Exclusions: R&D directed towards 'clean production' to minimise emissions to the environment from industrial processes is included in the relevant Subdivisions and Groups of the Defence, Economic Development and Society Divisions.

GROUP 770700 FOREST AND WOODED LANDS

This group covers R&D directed towards enhancing knowledge, awareness and understanding of the environment of forest and wooded lands. Forest land refers to an area of trees which has a foliage projective cover in the tallest stratum of more than 30% or a crown cover of more than 20% of the area and not used primarily for purposes other than forestry. It includes public and private forest, forest in national parks, forest roads and streams, forest nurseries, plantations primarily used for forestry purposes and areas of windbreaks and shelterbelts sufficiently large to be managed as forest. It excludes isolated groups of trees and city parks and gardens. Wooded land refers to an area of trees and/or shrubs which has a foliage projective cover in the tallest stratum of between 10% to 30% or a crown cover of between 10% to 20% of the area.

This group has eight classes:

770701 Air quality
770702 Land and water management
770703 Living resources (flora and fauna)
770704 Control of pests and exotic species
770705 Integrated (ecosystem) assessment and management
770706 Remnant vegetation and protected conservation areas
770707 Rehabilitation/reafforestation
770799 Other

Exclusions: R&D directed towards 'clean production' to minimise emissions to the environment from industrial processes is included in the relevant Subdivisions and Groups of the Defence, Economic Development and Society Divisions.

GROUP 770800 FARMLAND (INCL. ARABLE LAND AND PERMANENT CROP LAND)

This group covers R&D directed towards enhancing knowledge, awareness and understanding of the environment of farmland (incl. arable land and permanent crop land). Farmland refers to (a) arable land which is land under crops such as cereals, root crops, industrial crops (e.g. cotton, tobacco, oilseeds), vegetables, flowers and ornamental plants; and (b) permanent cropland which is land under orchards, vineyards, olives, etc. Source: *OECD Environment Data Compendium (1991)*.

This group has eight classes:

770801 Air quality
770802 Land and water management
770803 Living resources (flora and fauna)
770804 Control of pests and exotic species
770805 Integrated (ecosystem) assessment and management
770806 Remnant vegetation and protected conservation areas
770807 Rehabilitation of degraded farmland
770899 Other

Exclusions: R&D directed towards 'clean production' to minimise emissions to the environment from industrial processes is included in the relevant Subdivisions and Groups of the Defence, Economic Development and Society Divisions.

GROUP 770900 SPARSELAND (INCL. PERMANENT GRASSLAND AND THE ARID ZONE)

This group covers R&D directed towards enhancing knowledge, awareness and understanding of the environment of sparseland (incl. permanent grassland and the arid zone). Sparseland refers to areas with a population density of less than 1000 people per 8000 km^2. It includes the arid zone (which receives less than 250 mm of rain a year in the south and 350 mm in the north) as well as the permanent grasslands or rangelands where sheep or cattle graze on native vegetation. Source*: D. Cocks (1992) Use with Care, U&NSW Press*.

This group has eight classes:

770901 Air quality
770902 Land and water management
770903 Living resources (flora and fauna)
770904 Control of pests and exotic species
770905 Integrated (ecosystem) assessment and management
770906 Remnant vegetation and protected conservation areas
770907 Rehabilitation of degraded sparseland
770999 Other

Exclusions: R&D directed towards 'clean production' to minimise emissions to the environment from industrial processes is included in the relevant Subdivisions and Groups of the Defence, Economic Development and Society Divisions.

GROUP 771000 MINING ENVIRONMENTS

This group covers R&D directed towards enhancing knowledge, awareness and understanding of mining environments. Mining environments are areas where mining is occurring.

This group has eight classes:

771001 Air quality
771002 Land and water management
771003 Living resources (flora and fauna)
771004 Control of pests and exotic species
771005 Integrated (ecosystem) assessment and management
771006 Remnant vegetation and protected conservation areas
771007 Rehabilitation of degraded mining lands
771099 Other

Exclusions: R&D directed towards 'clean production' to minimise emissions to the environment from industrial processes is included in the relevant Subdivisions and Groups of the Defence, Economic Development and Society Divisions.

GROUP 771100 ANTARCTIC AND SUB-ANTARCTIC AREAS

This group covers R&D directed towards enhancing knowledge, awareness and understanding of the environment of antarctic and sub-antarctic areas. Antarctic (incl. subantarctic) refers to areas south of latitude 50°S, namely Antarctica, Heard Island, Macdonald Island and Macquarie Island.

This group has six classes:

771101 Air quality
771102 Land and water management
771103 Living resources (flora and fauna)
771104 Control of pests and exotic species
771105 Integrated (ecosystem) assessment and management
771199 Other

Exclusions: R&D directed towards 'clean production' to minimise emissions to the environment from industrial processes is included in the relevant Subdivisions and Groups of the Defence, Economic Development and Society Divisions.

GROUP 779900 OTHER (INCL. ISLANDS)

This group covers R&D directed towards enhancing knowledge, awareness and understanding of the environment of other areas not elsewhere classified.

This group has eight classes:

779901 Air quality
779902 Land and water management
779903 Living resources (flora and fauna)
779904 Control of pests and exotic species
779905 Integrated (ecosystem) assessment and management
779906 Remnant vegetation and protected conservation areas
779907 Rehabilitation of degraded areas
779999 Other

Exclusions: R&D directed towards 'clean production' to minimise emissions to the environment from industrial processes is included in the relevant Subdivisions and Groups of the Defence, Economic Development and Society Divisions.

DIVISION 5 NON-ORIENTED RESEARCH

SUBDIVISION 780000 NON-ORIENTED RESEARCH

GROUP 780100 NON-ORIENTED RESEARCH

This division covers R&D which contributes to the general advancement of knowledge. This division should only be used when no specific purpose under any of the other divisions can be identified.

This division can only include R&D which is 'pure basic research'; i.e. R&D efforts which are undertaken to acquire new knowledge without any specific application or looking for long term benefits other than the advancement of knowledge.

Group 780100 Non-Oriented Research has nine classes:

780101	Mathematical sciences
780102	Physical sciences
780103	Chemical sciences
780104	Earth sciences
780105	Biological sciences
780106	Political science and public policy
780107	Studies in human society
780108	Behavioural and cognitive sciences
780199	Other