

Table A1: DCMS UK* Industry-based approach on the Creative Industries' employment

	Economic Activity*	SIC codes (UK) Rev. 2003	Proportion of code taken (DCMS, 2010b) **	ISIC code - Rev 3.1	ISIC code - Rev 4 **	Portuguese Industrial codes CAE - Rev 3 codes - 5 digits	Description (CAE - Rev. 3) - 5 digits
1. Advertising	Advertising agencies, buying services	74.40	100%	7430; 7413	7310; 7320	73110 73120 73200	73110 - Advertising agencies 73120 - Activities of representation (e.g., advertising space) in the media 73200 - Market research and public opinion polling
2. Architecture	Architectural and engineering activities and related technical consultancy	74.20	25%	7421; 7422	7110; 7120	71110 71120 71200	71110 - Architectural activities 71120 - Engineering activities and related technical consultancy services 71200 - Technical testing and analysis
3. Arts and Antiques	Other retail sale in specialized stores	52.48/ 9	5%	5239; 5259; 5240	4774; 4791	47790	47790 - Retail sale of second-hand goods in specialized stores
	Retail sale of second-hand goods in stores	52.50	5%				
4. Crafts	"Majority of businesses too small to be picked up in business surveys" (source: DCMS, 2010b: 2) Given the interest of traditional manufacturing activities to the context of Portugal, we considered some codes representing traditional manufacturing related with Crafts activities (ceramics design and decoration, glass, wooden articles and jewellery), but in a very small proportion of each code - 5%					23411 23412 23413 23414 23110 23120 23131 23132 23140 23190 16291 16292 32110 32121 32122 32123 32130	23411 - Pottery 23412 - Manufacture of household articles made of stone- or earthenware, porcelain and china 23413 - Manufacture of ornamental articles made of stone- or earthenware, porcelain and china 23414 - Activities of decoration of ceramic articles for domestic and ornamental purposes 23110 - Manufacture of flat glass 23120 - Transformation and processing of flat glass 23131 - Manufacture of glass containers 23132 - Glassware 23140 - Manufacture of fibre glass 23190 - Manufacture and processing of other glass (including technical glass) 16291 - Manufacture of other wood articles and wooden craftworks 16292 - Manufacture of articles of straw and plaiting material 32110 - Striking of coins 32121 - Manufacture of filigree 32122 - Manufacture of jewellery and related articles, n.e.e 32123 - Working of diamonds and of other precious or semi-precious stones for jewellery and industrial use 32130 - Manufacture of imitation jewellery
5. Design	"No codes match this sector" (source: DCMS, 2010b: 2)					74100	74100 - Design activities (namely, Interior Design activities)
6. Designer Fashion	Manufacture of knitted and crocheted hosiery Manufacture of knitted and crocheted pullovers, cardigans and similar articles Manufacture of leather clothes Manufacture of workwear Manufacture of other outerwear Manufacture of underwear Manufacture of other wearing apparel and accessories n.e.c. Dressing and dyeing of fur; manufacture of articles of fur Manufacture of footwear Other business activities n.e.c.	17.71 17.72 18.10 18.21 18.22 18.23 18.24 18.30 19.30 74.87	0.5% 0.5% 0.5% 0.5% 0.5% 0.5% 0.5% 0.5% 0.5% 2.5%	1810; 1820	1410	14110 14120 14131 14132 14133 14140 14190 14200 14310 14390 15120 15201 15202 74100	14110 - Manufacture of leather clothes 14120 - Manufacture of workwear 14131 - Manufacture of other ready-to-wear outerwear 14132 - Manufacture of other made-to-measure outerwear 14133 - Finishing activities of wearing apparel 14140 - Manufacture of underwear 14190 - Manufacture of other wearing apparel and accessories 14200 - Manufacture of articles of fur 14310 - Manufacture of knitted and crocheted hosiery 14390 - Manufacture of other knitted and crocheted apparel (e.g., pullovers, coats) 15120 - Manufacture of luggage, handbags and the like, saddlery and harness 15201 - Manufacture of footwear 15202 - Manufacture of parts of footwear 74100 - Design activities (namely, Textile/ Fashion Design activities)
7. Video, Film & Photography	Motion picture and video production and distribution Motion picture projection Reproduction of video recording Photographic Activities	92.11 92.12 92.13 22.32 74.81	100% 100% 100% 25% 25%	9211	5911; 5912; 5913 5914 1820 7420	59110 59120 59130 59140 18200 74200	59110 - Production of motion picture, videos and television programs 59120 - Technical activities of post-production for motion picture, videos and television programs 59130 - Distribution of motion picture, videos and television programs 59140 - Motion picture and video projection 18200 - Reproduction of recorded media (namely, videocassettes, DVD) 74200 - Photographic activities
9&10. Music and the Visual & Performing Arts	Publishing of sound recordings Reproduction of sound recording Artistic and literary creation and interpretation Operations of arts facilities Other entertainment activities n. e. c. Other recreational activities n. e. c.	22.14 22.31 92.31 92.32 92.34 92.72	25% 100% 100% 100% 50% 25%	2213; 2230 9214 7499	5920 9000 7990 90040 90010 90020 9321; 9329	59200 90030 79900 90040 90010 90020 9321; 9329	59200 - Activities of sound recording and music publishing 90030 - Artistic and literary creation 79900 - Booking/ ticketing services and related activities 90040 - Operations of arts facilities 90010 - Performing arts activities 90020 - Activities supporting the performing arts 932 - Amusement parks and other recreational activities
11. Publishing	Publishing of books Publishing of newspapers Publishing of journals and periodicals Other publishing News agency activities	22.11 22.12 22.13 22.15 92.40	100% 100% 100% 50% 100%	2211 2212	5811 5813 5819 6391; 6399	58110 58130 58140 58190 63910 63990	58110 - Book publishing 58130 - Newspapers publishing 58140 - Publishing of magazine and other periodicals 58190 - Other publishing 63910 - Activities of news agencies 63990 - Other information service activities n.e.c.
8&12. Software, Computer Games & Electronic Publishing	Reproduction of computer media Publishing of software Other software consultancy and supply	22.33 72.21 72.22	25% 100% 100%	2230 7221 7229	1820 5820 6201 6202	18200 58210 58290 62010 62020	18200 - Reproduction of recorded media 58210 - Videogame publishing 58290 - Other software publishing 62010 - Software programming activities 62020 - Software consultancy activities
13. Radio & TV	Radio and Television activities	92.20	100%	9213	6010 6020	60100 60200	60100 - Radio activities 60200 - Television activities

Notes: * The selection of codes was based on DCMS (2010b) "Creative Industries Economic Estimates - 10 February 2010" - Annex A , available online at: http://www.culture.gov.uk/what_we_do/research_and_statistics/4848.aspx [accessed April 2012]; ** Correspondence Tables between ISIC Rev. 3.1 and ISIC Rev. 4 available online at: <http://unstats.un.org/unsd/cr/registry/regso.asp?Ci=60> [accessed April 2012]; *** The Portuguese nomenclature CAE (Classificação das Actividades Económicas) has direct correspondence with ISIC Rev. 4.

Table A2: Florida's (2002a, 2004) approach on the Creative Class

Category Groups (Florida, 2002a, 2004)	Description - Occupational Categories	ISCO - 08 codes - 4 digits	Occupational Code (Portuguese CPP 2010) - 5 digits	Portuguese Code and Description - CPP 2010*
SUPER CREATIVE CORE	. Computer and mathematical occupations	25 2511 2512 2513 2514 2519 2521 2522 2523 2529 212 2120 2120.1 2120.2 2120.3	25 251 2511.0 2512.0 2513.0 2514.0 2519.0 252 2521.0 2522.0 2523.0 2529.0 212 2120 2120.1 2120.2 2120.3	25 - Computer systems designers and analysts 251 - Software, Web and applications analysts and programmers 2511.0 - Systems analysts 2512.0 - Software programmers/ developers 2513.0 - Web and multimedia programmers/ developers 2514.0 - Applications programmers 2519.0 - Software and applications developers and analysts not elsewhere classified 252 - Database and network professionals 2521.0 - Database designers and administrators 2522.0 - Systems administrators 2523.0 - Computer network professionals 2529.0 - Database and network professionals not elsewhere classified 212 - Mathematicians, statisticians and related professionals 2120 - Mathematicians, statisticians and related professionals 2120.1 - Mathematician 2120.2 - Actuary 2120.3 - Statistician and Demographer
	. Architecture and engineering occupations	216 2161 2164 2165 214 2141 2142 2143 2144 2145 2146 2149 215 2151 2152 2153	216 2161.0 2162.0 2164 2164.0 2165 2165.1 2165.2 214 2141.0 2142 2142.1 2142.2 2143.0 2144.0 2145.0 2146 2146.1 2146.2 2146.3 2149.0 215 2151.0 2152.0 2153.0	216 - Architects, planners, surveyors 2161.0 - Building architects 2162.0 - Landscape architects 2164 - Town and traffic planners 2164.0 - Town and traffic planner 2165 - Cartographers and surveyors 2165.1 - Cartographer and land surveyor 2165.2 - Topographer and related professionals 214 - Engineering professionals (excluding electrotechnology) 2141.0 - Industrial and production engineer 2142 - Civil engineers 2142.1 - Building construction engineer 2142.2 - Civil engineering works engineer 2143.0 - Environmental engineer 2144.0 - Mechanical engineer 2145.0 - Chemical engineer 2146 - Mining engineers, metallurgists and related professionals 2146.1 - Mining engineer 2146.2 - Metallurgical engineer 2146.3 - Other engineers associated with mining and metallurgy 2149.0 - Engineering professionals not elsewhere classified 215 - Electrotechnology engineers 2151.0 - Electrical engineer 2152.0 - Electronics engineer 2153.0 - Telecommunications engineer
	. Life, physical and social science occupations	213 2131 2131.1 2131.2 2131.3 2131.4 2132 2132.1 2132.2 2132.3 2133 211 2111 2111.1 2111.2 2112 2113 2114 2114.1 2114.2 2114.3 263 2631 2631.0 2632 2632.1 2632.2 2632.3 2632.4 2633 2633.1 2633.2 2633.3 2634 2634.0 2635 2635.0 2636 2636.0	213 2131 2131.1 2131.2 2131.3 2131.4 2132 2132.1 2132.2 2132.3 2133 211 2111 2111.1 2111.2 2112 2113 2114 2114.1 2114.2 2114.3 263 2631 2631.0 2632 2632.1 2632.2 2632.3 2632.4 2633 2633.1 2633.2 2633.3 2634 2634.0 2635 2635.0 2636 2636.0	213 - Life science professionals 2131 - Biologists, botanists, zoologists and related professionals 2131.1 - Biologist 2131.2 - Botanist 2131.3 - Zoologist 2131.4 - Pharmacologist and other related professionals 2132 - Farming, forestry and fisheries advisers 2132.1 - Agronomic engineer 2132.2 - Forestry engineer 2132.3 - Fisheries activities advisers 2133.0 - Environmental protection professionals 211 - Physicists, chemists and related professionals 2111 - Physicists and astronomers 2111.1 - Physicist 2111.2 - Astronomer 2112.0 - Meteorologist 2113.0 - Chemist 2114 - Geologists, geophysicists and oceanographers 2114.1 - Geologist 2114.2 - Geophysicist 2114.3 - Oceanographer 263 - Social Science and Religion related professionals 2631 - Economists 2631.0 - Economist 2632 - Sociologists, anthropologists and related professionals 2632.1 - Sociologist 2632.2 - Geographer 2632.3 - Archeologist 2632.4 - Anthropologist and related professionals 2633 - Philosophers, historians and political scientists 2633.1 - Philosopher 2633.2 - Historian 2633.3 - Specialist in political science 2634 - Psychologists 2634.0 - Psychologist 2635 - Social work and counselling professionals 2635.0 - Social work professional 2636 - Religious professionals 2636.0 - Religious professional

Education, training and library occupations	231	231	231 - University and higher education teachers	
	2310	2310	2310 - University and higher education teachers	
	2310.0	2310.0	2310.0 - University and higher education teacher	
	232	232	232 - Vocational, technological and artistic education teachers	
	2320	2320	2320 - Vocational, technological and artistic education teachers	
	2320.0	2320.0	2320.0 - Vocational, technological and artistic education teacher	
	233	233	233 - Secondary and basic education teachers	
	2330	2330	2330 - Secondary and basic education teachers	
	2330.0	2330.0	2330.0 - Secondary and basic education teacher	
	234	234	234 - Primary school and early childhood teachers	
	2341	2341	2341 - Primary school teachers	
	2341.0	2341.0	2341.0 - Primary school teacher	
	2342	2342	2342 - Early childhood educators	
	2342.0	2342.0	2342.0 - Early childhood educator	
	235	235	235 - Other teaching professionals	
	2351	2351	2351 - Education methods specialists	
	2351.0	2351.0	2351.0 - Education methods specialist	
	2352	2352	2352 - Special needs teachers	
	2352.0	2352.0	2352.0 - Special needs teacher	
	2353	2353	2353 - Other language teachers	
	2353.0	2353.0	2353.0 - Other language teacher	
	2354	2354	2354 - Other music teachers	
	2354.0	2354.0	2354.0 - Other music teachers	
	2355	2355	2355 - Other arts teachers	
	2355.0	2355.0	2355.0 - Other arts teachers	
	2356	2356	2356 - Information technology trainers	
	2356.0	2356.0	2356.0 - Information technology trainer	
	2359	2359	2359 - Teaching professionals not elsewhere classified	
	2359.0	2359.0	2359.0 - Teaching professionals not elsewhere classified	
	262	262	262 - Archivists, museum curators and related information professionals	
	2621	2621	2621 - Archivists and museum curators	
	2621.1	2621.1	2621.1 - Archivist	
	2621.2	2621.2	2621.2 - Museum curator	
	2622	2622	2622 - Librarians and other related information professionals	
	2622.0	2622.0	2622.0 - Librarians and other related information professionals	
	BOHEMIANS (employed Bohemians) Arts, design, entertainment, sports and media occupations	264	264	264 - Authors, journalists and linguists
		2641	2641	2641 - Authors and related writers
		2641.0	2641.0	2641.0 - Author and writer
2642		2642	2642 - Journalists	
2642.0		2642.0	2642.0 - Journalist	
2643		2643	2643 - Philologists, translators, interpreters and other linguists	
2643.1		2643.1	2643.1 - Philologist	
2643.2		2643.2	2643.2 - Translator	
2643.3		2643.3	2643.3 - Interpreter and other linguists	
265		265	265 - Creative and performing artists	
2651		2651	2651 - Visual artists	
2651.1		2651.1	2651.1 - Sculptor	
2651.2		2651.2	2651.2 - Art Painter	
2651.3		2651.3	2651.3 - Caricaturist	
2651.4		2651.4	2651.4 - Other visual artists	
2163		2163	2163 - Product and garment designers	
2163.1		2163.1	2163.1 - Industrial Product/ Equipment designer	
2163.2		2163.2	2163.2 - Textile and fashion designer	
2163.3		2163.3	2163.3 - Interior, spaces and environments designer	
2166		2166	2166 - Graphic and multimedia designers	
2166.0		2166.0	2166.0 - Graphic and multimedia designer	
2652		2652	2652 - Musicians, singers and composers	
2652.1		2652.1	2652.1 - Composer	
2652.2		2652.2	2652.2 - Musician	
2652.3		2652.3	2652.3 - Singer	
2653		2653	2653 - Dancers and choreographers	
2653.1		2653.1	2653.1 - Dancer	
2653.2		2653.2	2653.2 - Choreographer	
2654		2654	2654 - Film, stage and related directors and producers	
2654.1		2654.1	2654.1 - Film and theater director	
2654.2		2654.2	2654.2 - Stage Director	
2654.3		2654.3	2654.3 - Film and theater producer	
2654.4		2654.4	2654.4 - Television and radio producer and director	
2654.5		2654.5	2654.5 - Photography and sound director, assembler and related professionals	
2655		2655	2655 - Actors	
2655.0		2655.0	2655.0 - Actor	
2656		2656	2656 - Announcers on radio, television and other media	
2656.0		2656.0	2656.0 - Speaker and announcer on radio, television and other media	
2659	2659	2659 - Creative and performing artists not elsewhere classified		
2659.1	2659.1	2659.1 - Disk Jockey		
2659.2	2659.2	2659.2 - Other creative and performing artists not elsewhere classified		
2431	2431	2431 - Advertising and marketing professionals		
2431.0	2431.0	2431.0 - Advertising and marketing professional		
2432	2432	2432 - Public relations professionals		
2432.0	2432.0	2432.0 - Public relations professional		

		342	342	342 - Sports and fitness workers
			3421	3421 - Athletes and sports players
			3421.1	3421.1 - Professional football player
			3421.2	3421.2 - Professional cyclist
			3421.3	3421.3 - Other athletes and sports competitors
			3422	3422 - Sports coaches, instructors and officials
			3422.1	3422.1 - Sports coach
			3422.2	3422.2 - Referee (judge) of sports
			3422.3	3422.3 - Sports Instructor
			3423	3423 - Fitness and recreation instructors and program leaders
			3423.0	3423.0 - Instructors and monitors of physical activity and recreation
		343	343	343 - Artistic, cultural and culinary associate professionals
		3431	3431	3431 - Photographers
			3431.0	3431.0 - Photographer
			3432	3432 - Interior designers and decorators
			3432.0	3432.0 - Decorator
			3433	3433 - Gallery, museum and library technicians
			3433.0	3433.0 - Technicians of galleries, libraries, archives and museums
			3434	3434 - Chefs
			3434.0	3434.0 - Chef
			3435	3435 - Other artistic and cultural associate professionals
			3435.1	3435.1 - Bullfighter, bullfighting rider and other related professionals
			3435.2	3435.2 - Other technicians of intermediate level on cultural and artistic activities
		5241	5241	5241 - Fashion and other models
			5241.0	5241.0 - Fashion and other models
		352	352	352 - Telecommunications and broadcasting technicians
		3521	3521	3521 - Broadcasting and audiovisual technicians
			3521.1	3521.1 - Broadcasting technician
			3521.2	3521.2 - Audiovisual technician
			3521.3	3521.3 - Audiovisual recording technician
			3521.4	3521.4 - Technician of radio communications systems
		3522	3522	3522 - Telecommunications engineering technicians
			3522.0	3522.0 - Telecommunications technician

Category Groups (Florida, 2002a, 2004)	Description - Occupational Categories	ISCO - 08 codes	Occupational Code (Portuguese CPP 2010) - 5 digits	Code and Description - Portuguese CPP 2010
CREATIVE PROFESSIONALS	Management occupations	1	1	1 - Managers
		11	11	11 - Chief executives, senior officials and legislators
		111	111	111 - Legislators and senior officials
		1111	1111	1111 - Legislators
			1111.0	1111.0 - Legislators
		1112	1112	1112 - Senior government officials
			1112.0	1112.0 - Senior government official
		1113	1113	1113 - Traditional chiefs and heads of village
			1113.0	1113.0 - Traditional chief and head of village
		1114	1114	1114 - Senior officials of special-interest organizations
			1114.0	1114.0 - Senior official of special-interest organizations
		112	112	112 - Managing directors and chief executives
		1120	1120	1120 - Managing directors and chief executives
			1120.0	1120.0 - Managing director and chief executive
		12	12	12 - Administrative and commercial managers
		121	121	121 - Business services and administration managers
		1211	1211	1211 - Finance managers
			1211.0	1211.0 - Finance manager
		1212	1212	1212 - Human resource managers
			1212.0	1212.0 - Human resource manager
		1213	1213	1213 - Policy and planning managers
			1213.0	1213.0 - Policy and planning manager
		1219	1219	1219 - Business services and administration managers not elsewhere classified
			1219.0	1219.0 - Other business services and administration managers
		122	122	122 - Sales, marketing and development managers
		1221	1221	1221 - Sales and marketing managers
			1221.1	1221.1 - Sales manager
			1221.2	1221.2 - Marketing manager
		1222	1222	1222 - Advertising and public relations managers
			1222.1	1222.1 - Advertising manager
			1222.2	1222.2 - Public relations manager
		1223	1223	1223 - Research and development managers
			1223.0	1223.0 - Research and development managers
		13	13	13 - Production and specialized services managers
		131	131	131 - Production managers in agriculture, forestry and fisheries
		1311	1311	1311 - Agricultural and forestry production managers
			1311.1	1311.1 - Agricultural production manager
			1311.2	1311.2 - Animal production manager
			1311.3	1311.3 - Forestry production manager
		1312	1312	1312 - Aquaculture and fisheries production managers
	1312.1	1312.1 - Fisheries production manager		
	1312.2	1312.2 - Aquaculture production manager		
132	132	132 - Manufacturing, mining, construction, and distribution managers		
1321	1321	1321 - Manufacturing managers		
	1321.0	1321.0 - Manufacturing manager		
1322	1322	1322 - Mining managers		
	1322.0	1322.0 - Mining manager		
1323	1323	1323 - Construction managers		
	1323.0	1323.0 - Construction and civil engineering manager		
1324	1324	1324 - Supply, transportation, storage, distribution and related managers		
	1324.1	1324.1 - Purchasing/ Buying manager		
	1324.2	1324.2 - Transportation manager		
	1324.3	1324.3 - Supply, distribution and related managers		

	133	133	133 - Information and communications technology service managers
	1330	1330	1330 - Information and communications technology service managers
		1330.0	1330.0 - Information and communications technology service managers
	134	134	134 - Professional services managers
	1341	1341	1341 - Child care services managers
		1341.0	1341.0 - Child care services manager
	1342	1342	1342 - Health services managers
		1342.0	1342.0 - Health services manager
	1343	1343	1343 - Aged care services managers
		1343.0	1343.0 - Aged care services manager
	1344	1344	1344 - Social welfare managers
		1344.0	1344.0 - Social welfare manager
	1345	1345	1345 - Educational services managers
		1345.0	1345.0 - Educational services manager
	1346	1346	1346 - Financial and insurance services branch managers
		1346.0	1346.0 - Financial and insurance services branch manager
	1349	1349	1349 - Professional services managers not elsewhere classified
		1349.1	1349.1 - Libraries, archives, museums, art galleries and national monuments manager
		1349.2	1349.2 - Officials and other professionals from forces and security services, with functions of control, management or supervision
		1349.3	1349.3 - Manager of other specialized services not elsewhere classified
	14	14	14 - Hospitality, retail and other services managers
	141	141	141 - Hotel and restaurant managers
	1411	1411	1411 - Hotel managers
		1411.0	1411.0 - Hotel manager and related professionals
	1412	1412	1412 - Restaurant managers
		1412.0	1412.0 - Restaurant manager and related professionals
	142	142	142 - Retail and wholesale trade managers
	1420	1420	1420 - Retail and wholesale trade managers
		1420.1	1420.1 - Retail trade manager
		1420.2	1420.2 - Wholesale trade manager
	143	143	143 - Other services managers
	1431	1431	1431 - Sports, recreation and cultural centre managers
		1431.0	1431.0 - Sports, recreation and cultural centre manager
	1439	1439	1439 - Services managers not elsewhere classified
		1439.0	1439.0 - Services manager not elsewhere classified
. Business and financial operations occupations	241	241	241 - Finance professionals
	2411	2411	2411 - Accountants
		2411.0	2411.0 - Accountant, accounting auditor, and related professionals
	2412	2412	2412 - Financial and investment advisers
		2412.0	2412.0 - Financial and investment adviser
	2413	2413	2413 - Financial analysts
		2413.0	2413.0 - Financial analyst
	242	242	242 - Administration professionals
	2421	2421	2421 - Management and organization analysts
		2421.0	2421.0 - Management and organization analyst
	2422	2422	2422 - Policy administration professionals
		2422.0	2422.0 - Policy administration specialist
	2423	2423	2423 - Human resources and careers professionals
		2423.0	2423.0 - Human resources specialist
	2424	2424	2424 - Training and staff development professionals
		2424.0	2424.0 - Training and human resources development professional
	331	331	331 - Financial and mathematical associate professionals
	3311	3311	3311 - Securities and finance dealers and brokers
		3311.0	3311.0 - Securities and finance dealer/ broker
	3312	3312	3312 - Credit and loans officers
		3312.0	3312.0 - Credit and loans officer
	3313	3313	3313 - Accounting associate professionals
		3313.1	3313.1 - Treasurer
		3313.2	3313.2 - Other accounting associate professionals
	3314	3314	3314 - Statistical, mathematical and related associate professionals
		3314.0	3314.0 - Statistical, mathematical and related associate professionals
	3315	3315	3315 - Valuers and loss assessors
		3315.0	3315.0 - Valuer and loss assessor
	332	332	332 - Sales and purchasing agents and brokers
	3321	3321	3321 - Insurance representatives
		3321.0	3321.0 - Insurance representative
	3322	3322	3322 - Commercial sales representatives
		3322.0	3322.0 - Commercial sales representative
	3323	3323	3323 - Buyers
		3323.0	3323.0 - Buyer
	3324	3324	3324 - Trade brokers
		3324.0	3324.0 - Trade broker
	333	333	333 - Business services agents
	3331	3331	3331 - Clearing and forwarding agents
		3331.0	3331.0 - Clearing and forwarding agent
	3332	3332	3332 - Conference and event planners
		3332.0	3332.0 - Conference and event planner
	3333	3333	3333 - Employment agents and contractors
		3333.0	3333.0 - Employment agent/ contractor
	3334	3334	3334 - Real estate agents and property managers
		3334.0	3334.0 - Real estate agent/ property manager
	3339	3339	3339 - Business services agents not elsewhere classified
		3339.0	3339.0 - Other business services agents
. Legal professionals	261	261	261 - Legal professionals
	2611	2611	2611 - Lawyers and solicitors
		2611.1	2611.1 - Lawyer
		2611.2	2611.2 - Solicitor
	2612	2612	2612 - Judges
		2612.0	2612.0 - Magistrate (judicial and magisterial courts)
	2619	2619	2619 - Legal professionals not elsewhere classified
		2619.1	2619.1 - Officer of civil, automobile, commercial and real estate property registry offices
		2619.2	2619.2 - Notary
		2619.3	2619.3 - Other legal professionals not elsewhere classified

. Health professionals (except nursing)	221	221	221 - Medical doctors
	2211	2211	2211 - Generalist medical practitioners
		2211.1	2211.1 - Generalist and family medical practitioner
		2211.2	2211.2 - Other generalist medical practitioners
	2212	2212	2212 - Specialist medical practitioners
		2212.1	2212.1 - Surgical specialties medical practitioner
		2212.2	2212.2 - Medical specialties medical practitioner
		2212.3	2212.3 - Technical specialties medical practitioner
	225	225	225 - Veterinarians
	2250	2250	2250 - Veterinarians
		2250.0	2250.0 - Veterinarian
	226	226	226 - Other health professionals
	2261	2261	2261 - Dentists and stomatologists
		2261.1	2261.1 - Stomatologist
		2261.2	2261.2 - Dentist
	2262	2262	2262 - Pharmacists
		2262.0	2262.0 - Pharmacist
	2263	2263	2263 - Environmental and occupational health and hygiene professionals
		2263.0	2263.0 - Environmental and occupational health and hygiene professional
	2264	2264	2264 - Physiotherapists
	2264.0	2264.0 - Physiotherapist	
2265	2265	2265 - Dietitians and nutritionists	
	2265.0	2265.0 - Dietician and nutritionist	
2266	2266	2266 - Audiologists and speech therapists	
	2266.1	2266.1 - Audiologist	
	2266.2	2266.2 - Speech therapist	
2267	2267	2267 - Optometrists and ophthalmic opticians	
	2267.0	2267.0 - Optometrist and ophthalmic optician	
2269	2269	2269 - Health professionals not elsewhere classified	
	2269.1	2269.1 - Occupational therapist	
	2269.2	2269.2 - Other health professionals not elsewhere classified	
. Nursing and midwifery professionals	222	222	222 - Nursing and midwifery professionals
	2221	2221	2221 - Nursing professionals (except midwifery)
		2221.1	2221.1 - Nursing professional - general care
		2221.2	2221.2 - Nursing professional - specialist in rehabilitation
		2221.3	2221.3 - Nursing professional - specialist in child health and pediatrics
		2221.4	2221.4 - Nursing professional - specialist in mental and psychiatric health
		2221.5	2221.5 - Nursing professional - community nursing
		2221.6	2221.6 - Nursing professional - medical-surgical nursing
		2221.7	2221.7 - Other nursing professionals (except midwifery)
	2222	2222	2222 - Midwifery professionals
		2222.0	2222.0 - Midwifery professional
	322	322	322 - Nursing and midwifery associate professionals
3221	3221	3221 - Nursing associate professionals	
	3221.0	3221.0 - Nursing associate professional	
3222	3222	3222 - Midwifery associate professionals	
	3222.0	3222.0 - Midwifery associate professional	
. Life science and health associate professionals	223	223	223 - Traditional and alternative medicine professionals
	2230	2230	2230 - Traditional and alternative medicine professionals
		2230.1	2230.1 - Acupuncturist
		2230.2	2230.2 - Homeopath
		2230.3	2230.3 - Other traditional and alternative medicine professionals
	224	224	224 - Paramedic professionals
	2240	2240	2240 - Paramedic professionals
		2240.0	2240.0 - Paramedic professional
	314	314	314 - Life science technicians and related associate professionals
	3141	3141	3141 - Life science technicians (excluding medical)
		3141.0	3141.0 - Life science technician (excluding medical)
	3142	3142	3142 - Agricultural technicians
		3142.1	3142.1 - Agricultural technician
		3142.2	3142.2 - Technician of animal production
	3143	3143	3143 - Forestry technicians
		3143.0	3143.0 - Forestry technician (including cynegetics)
	321	321	321 - Medical and pharmaceutical technicians
	3211	3211	3211 - Medical imaging and therapeutic equipment technicians
		3211.1	3211.1 - Cardio-pneumography technician
		3211.2	3211.2 - Radiology technician
		3211.3	3211.3 - Nuclear medicine technician
		3211.4	3211.4 - Radiotherapy technician
		3211.5	3211.5 - Other medical imaging and therapeutic equipment technicians
	3212	3212	3212 - Medical and pathology laboratory technicians
		3212.1	3212.1 - Clinical analysis technician
		3212.2	3212.2 - Technician of pathological, cytological and thanatological anatomy
	3213	3213	3213 - Pharmaceutical technicians and assistants
		3213.0	3213.0 - Pharmaceutical technician and assistant
	3214	3214	3214 - Medical and dental prosthetic technicians
		3214.0	3214.0 - Medical and dental prosthetic technician
	323	323	323 - Traditional and complementary medicine associate professionals
	3230	3230	3230 - Traditional and complementary medicine associate professionals
		3230.0	3230.0 - Traditional and complementary medicine associate professional
	324	324	324 - Veterinary technicians and assistants
	3240	3240	3240 - Veterinary technicians and assistants
		3240.0	3240.0 - Veterinary technician and assistant
325	325	325 - Other health associate professionals	
3251	3251	3251 - Dental assistants and therapists	
	3251.0	3251.0 - Dental assistant and therapist	
3253	3253	3253 - Community health workers	
	3253.0	3253.0 - Community health worker	
3254	3254	3254 - Dispensing opticians	
	3254.1	3254.1 - Optician/ Optometrist	
	3254.2	3254.2 - Contactologist/ Contact lenses technician	
3255	3255	3255 - Physiotherapy technicians and assistants	
	3255.0	3255.0 - Physiotherapy technician and assistant	
3256	3256	3256 - Medical assistants	
	3256.0	3256.0 - Medical assistant	

	3257	3257	3257 - Environmental and occupational health inspectors and associates
		3257.0	3257.0 - Environmental and occupational health inspector and associate
	3259	3259	3259 - Health associate professionals not elsewhere classified
		3259.0	3259.0 - Health associate professionals not elsewhere classified
	3413	3413	3413 - Religious associate professionals
		3413.0	3413.0 - Religious associate professional
.Physical, chemical, construction and engineering sciences associate professionals	311	311	311 - Physical and engineering sciences technicians
	3111	3111	3111 - Chemical and physical sciences technicians
		3111.1	3111.1 - Physical sciences technician
		3111.2	3111.2 - Chemical sciences technician
	3112	3112	3112 - Civil engineering technicians
		3112.0	3112.0 - Civil engineering technician
	3113	3113	3113 - Electrical engineering technicians
		3113.0	3113.0 - Electrical engineering technician
	3114	3114	3114 - Electronics engineering technicians
		3114.0	3114.0 - Electronics engineering technician
	3115	3115	3115 - Mechanical engineering technicians
		3115.1	3115.1 - Vehicle inspection technician
		3115.2	3115.2 - Other mechanical engineering technicians
	3116	3116	3116 - Chemical engineering technicians
		3116.0	3116.0 - Chemical engineering technician
	3117	3117	3117 - Mining and metallurgical technicians
		3117.0	3117.0 - Mining and metallurgical technician
	3118	3118	3118 - Draughtspersons and related professionals
		3118.0	3118.0 - Draughtsperson
	3119	3119	3119 - Physical and engineering science technicians not elsewhere classified
		3119.1	3119.1 - Gas safety inspector/ technician
		3119.2	3119.2 - Other physical and engineering science technicians not elsewhere classified
	312	312	312 - Mining, manufacturing and construction supervisors
	3121	3121	3121 - Mining supervisors
		3121.0	3121.0 - Mining supervisor
	3122	3122	3122 - Manufacturing supervisors
		3122.1	3122.1 - Food and beverage industries' supervisors
		3122.2	3122.2 - Textiles and clothing, footwear and leather industries' supervisors
		3122.3	3122.3 - Wood and cork industries' supervisors
		3122.4	3122.4 - Pulp, paper, printing and similar industries' supervisors
		3122.5	3122.5 - Supervisors of oil refining, chemical, pharmaceutical products and plastics and rubber processing industries
		3122.6	3122.6 - Supervisors of non-metallic mineral transforming industries
		3122.7	3122.7 - Supervisors of of basic metals and fabricated metal products manufacturing industries
		3122.8	3122.8 - Other manufacturing supervisors
	3123	3123	3123 - Construction supervisors
		3123.0	3123.0 - Construction supervisor
	313	313	313 - Process control technicians
	3131	3131	3131 - Power production plant control operators
		3131.0	3131.0 - Power production plant control operator
	3132	3132	3132 - Incinerator and water treatment plant control operators
		3132.1	3132.1 - Incinerator plant control operator
		3132.2	3132.2 - Water treatment plant control operator
	3133	3133	3133 - Chemical processing plant controllers
		3133.0	3133.0 - Chemical processing plant control controller
	3134	3134	3134 - Petroleum and natural gas refining plant control operators
		3134.0	3134.0 - Petroleum and natural gas refining plant control operator
	3135	3135	3135 - Metal production process controllers
		3135.0	3135.0 - Metal production process controller
	3139	3139	3139 - Process control technicians not elsewhere classified
		3139.0	3139.0 - Other process control technicians not elsewhere classified
	315	315	315 - Ship and aircraft controllers and technicians
	3151	3151	3151 - Ships' engineers
		3151.0	3151.0 - Ships' engineer
3152	3152	3152 - Ships' deck officers and pilots	
	3152.0	3152.0 - Ships' deck officer and pilot	
3153	3153	3153 - Aircraft pilots and related associate professionals	
	3153.0	3153.0 - Aircraft pilot	
3154	3154	3154 - Air traffic controllers	
	3154.0	3154.0 - Air traffic controller	
3155	3155	3155 - Air traffic safety electronics technicians	
	3155.0	3155.0 - Air traffic safety electronics technician	
351	351	351 - Information and communications technology operations and user support technicians	
3511	3511	3511 - Information and communications technology operations technicians	
	3511.0	3511.0 - Information and communications technology operations technician	
3512	3512	3512 - Information and communications technology user support technicians	
	3512.0	3512.0 - Information and communications technology user support technician	
3513	3513	3513 - Computer network and systems technicians	
	3513.0	3513.0 - Computer network and systems technician	
3514	3514	3514 - Web technicians	
	3514.0	3514.0 - Web technician	
3359	3359	3359 - Regulatory government associate professionals not elsewhere classified	
	3359.0	3359.0 - Regulatory government associate professionals not elsewhere classified	
.Finance and sales associate professionals	2433	2433	2433 - Technical and medical sales professionals (excluding ICT)
		2433.1	2433.1 - Medical sales representative
		2433.2	2433.2 - Other technical and medical sales professionals (excluding ICT)
	2434	2434	2434 - Information and communications technology sales professionals
	2434.0	2434.0 - Information and communications technology sales professional	

Table A3: Boschma and Fritsch (2009), Fritsch and Stuetzer (2009) approach on the Creative Class - following Florida (2002a, 2004)

Category Groups	Description - Occupational Categories	ISCO - 08 codes - 4 digits	Occupational Code (Portuguese CPP 2010) - 5 digits	Code and Description - Portuguese CPP 2010
CREATIVE CORE	Computer and mathematical occupations	25	25	25 - Computer systems designers and analysts
		251	251	251 - Software, Web and applications analysts and programmers
		2511	2511.0	2511.0 - Systems analysts
		2512	2512.0	2512.0 - Software programmers/ developers
		2513	2513.0	2513.0 - Web and multimedia programmers/ developers
		2514	2514.0	2514.0 - Applications programmers
		2519	2519.0	2519.0 - Software and applications developers and analysts not elsewhere classified
		252	252	252 - Database and network professionals
		2521	2521.0	2521.0 - Database designers and administrators
		2522	2522.0	2522.0 - Systems administrators
	2523	2523.0	2523.0 - Computer network professionals	
	2529	2529.0	2529.0 - Database and network professionals not elsewhere classified	
	212	212	212 - Mathematicians, statisticians and related professionals	
	2120	2120	2120 - Mathematicians, statisticians and related professionals	
		2120.1	2120.1 - Mathematician	
		2120.2	2120.2 - Actuary	
		2120.3	2120.3 - Statistician and Demographer	
	Architecture and engineering occupations	216	216	216 - Architects, planners, surveyors
		2161	2161.0	2161.0 - Building architects
			2162.0	2162.0 - Landscape architects
2164		2164	2164 - Town and traffic planners	
		2164.0	2164.0 - Town and traffic planner	
2165		2165	2165 - Cartographers and surveyors	
		2165.1	2165.1 - Cartographer and land surveyor	
		2165.2	2165.2 - Topographer and related professionals	
214		214	214 - Engineering professionals (excluding electrotechnology)	
2141		2141.0	2141.0 - Industrial and production engineer	
2142		2142	2142 - Civil engineers	
		2142.1	2142.1 - Building construction engineer	
		2142.2	2142.2 - Civil engineering works engineer	
2143		2143.0	2143.0 - Environmental engineer	
2144		2144.0	2144.0 - Mechanical engineer	
2145		2145.0	2145.0 - Chemical engineer	
2146		2146	2146 - Mining engineers, metallurgists and related professionals	
		2146.1	2146.1 - Mining engineer	
		2146.2	2146.2 - Metallurgical engineer	
		2146.3	2146.3 - Other engineers associated with mining and metallurgy	
2149	2149.0	2149.0 - Engineering professionals not elsewhere classified		
215	215	215 - Electrotechnology engineers		
2151	2151.0	2151.0 - Electrical engineer		
2152	2152.0	2152.0 - Electronics engineer		
2153	2153.0	2153.0 - Telecommunications engineer		
Life, physical and social science occupations	213	213	213 - Life science professionals	
		2131	2131 - Biologists, botanists, zoologists and related professionals	
		2131.1	2131.1 - Biologist	
		2131.2	2131.2 - Botanist	
		2131.3	2131.3 - Zoologist	
		2131.4	2131.4 - Pharmacologist and other related professionals	
	2132	2132	2132 - Farming, forestry and fisheries advisers	
		2132.1	2132.1 - Agronomic engineer	
		2132.2	2132.2 - Forestry engineer	
		2132.3	2132.3 - Fisheries activities advisers	
	2133	2133	2133.0 - Environmental protection professionals	
	211	211	211 - Physicists, chemists and related professionals	
	2111	2111	2111 - Physicists and astronomers	
		2111.1	2111.1 - Physicist	
		2111.2	2111.2 - Astronomer	
	2112	2112.0	2112.0 - Meteorologist	
	2113	2113.0	2113.0 - Chemist	
	2114	2114	2114 - Geologists, geophysicists and oceanographers	
		2114.1	2114.1 - Geologist	
		2114.2	2114.2 - Geophysicist	
		2114.3	2114.3 - Oceanographer	
	263	263	263 - Social Science and Religion related professionals	
	2631	2631	2631 - Economists	
		2631.0	2631.0 - Economist	
	2632	2632	2632 - Sociologists, anthropologists and related professionals	
		2632.1	2632.1 - Sociologist	
	2632.2	2632.2 - Geographer		
	2632.3	2632.3 - Archeologist		
	2632.4	2632.4 - Anthropologist and related professionals		
2633	2633	2633 - Philosophers, historians and political scientists		
	2633.1	2633.1 - Philosopher		
	2633.2	2633.2 - Historian		
	2633.3	2633.3 - Specialist in political science		
2634	2634	2634 - Psychologists		
	2634.0	2634.0 - Psychologist		
2635	2635	2635 - Social work and counselling professionals		
	2635.0	2635.0 - Social work professional		
2636	2636	2636 - Religious professionals		
	2636.0	2636.0 - Religious professional		

	. Education, training and library occupations	231	231	231 - University and higher education teachers
		2310	2310	2310 - University and higher education teachers
			2310.0	2310.0 - University and higher education teacher
			232	232 - Vocational, technological and artistic education teachers
		2320	2320	2320 - Vocational, technological and artistic education teachers
			2320.0	2320.0 - Vocational, technological and artistic education teacher
			233	233 - Secondary and basic education teachers
		2330	2330	2330 - Secondary and basic education teachers
			2330.0	2330.0 - Secondary and basic education teacher
			234	234 - Primary school and early childhood teachers
		2341	2341	2341 - Primary school teachers
			2341.0	2341.0 - Primary school teacher
		2342	2342	2342 - Early childhood educators
			2342.0	2342.0 - Early childhood educator
			235	235 - Other teaching professionals
		2351	2351	2351 - Education methods specialists
		2351.0	2351.0	2351.0 - Education methods specialist
		2352	2352	2352 - Special needs teachers
		2352.0	2352.0	2352.0 - Special needs teacher
		2353	2353	2353 - Other language teachers
		2353.0	2353.0	2353.0 - Other language teacher
		2354	2354	2354 - Other music teachers
		2354.0	2354.0	2354.0 - Other music teachers
		2355	2355	2355 - Other arts teachers
		2355.0	2355.0	2355.0 - Other arts teachers
		2356	2356	2356 - Information technology trainers
		2356.0	2356.0	2356.0 - Information technology trainer
		2359	2359	2359 - Teaching professionals not elsewhere classified
		2359.0	2359.0	2359.0 - Teaching professionals not elsewhere classified
			262	262 - Archivists, museum curators and related information professionals
		2621	2621	2621 - Archivists and museum curators
			2621.1	2621.1 - Archivist
			2621.2	2621.2 - Museum curator
	2622	2622 - Librarians and other related information professionals		
	2622.0	2622.0 - Librarians and other related information professionals		
	. Health professionals (except nursing)	221	221	221 - Medical doctors
		2211	2211	2211 - Generalist medical practitioners
			2211.1	2211.1 - Generalist and family medical practitioner
			2211.2	2211.2 - Other generalist medical practitioners
		2212	2212	2212 - Specialist medical practitioners
			2212.1	2212.1 - Surgical specialties medical practitioner
			2212.2	2212.2 - Medical specialties medical practitioner
			2212.3	2212.3 - Technical specialties medical practitioner
			225	225 - Veterinarians
		2250	2250	2250 - Veterinarians
			2250.0	2250.0 - Veterinarian
			226	226 - Other health professionals
		2261	2261	2261 - Dentists and stomatologists
			2261.1	2261.1 - Stomatologist
			2261.2	2261.2 - Dentist
		2262	2262	2262 - Pharmacists
			2262.0	2262.0 - Pharmacist
		2263	2263	2263 - Environmental and occupational health and hygiene professionals
			2263.0	2263.0 - Environmental and occupational health and hygiene professional
		2264	2264	2264 - Physiotherapists
	2264.0	2264.0 - Physiotherapist		
2265	2265	2265 - Dieticians and nutritionists		
	2265.0	2265.0 - Dietician and nutritionist		
2266	2266	2266 - Audiologists and speech therapists		
	2266.1	2266.1 - Audiologist		
	2266.2	2266.2 - Speech therapist		
2267	2267	2267 - Optometrists and ophthalmic opticians		
	2267.0	2267.0 - Optometrist and ophthalmic optician		
2269	2269	2269 - Health professionals not elsewhere classified		
	2269.1	2269.1 - Occupational therapist		
	2269.2	2269.2 - Other health professionals not elsewhere classified		
BOHEMIANS	BOHEMIANS (employed Bohemians) . Arts, design, entertainment, sports and media occupations	264	264	264 - Authors, journalists and linguists
		2641	2641	2641 - Authors and related writers
			2641.0	2641.0 - Author and writer
		2642	2642	2642 - Journalists
			2642.0	2642.0 - Journalist
		2643	2643	2643 - Philologists, translators, interpreters and other linguists
			2643.1	2643.1 - Philologist
			2643.2	2643.2 - Translator
			2643.3	2643.3 - Interpreter and other linguists
			265	265 - Creative and performing artists
		2651	2651	2651 - Visual artists
			2651.1	2651.1 - Sculptor
			2651.2	2651.2 - Art Painter
			2651.3	2651.3 - Caricaturist
			2651.4	2651.4 - Other visual artists
2163	2163	2163 - Product and garment designers		
	2163.1	2163.1 - Industrial Product/ Equipment designer		
	2163.2	2163.2 - Textile and fashion designer		
	2163.3	2163.3 - Interior, spaces and environments designer		
2166	2166	2166 - Graphic and multimedia designers		
	2166.0	2166.0 - Graphic and multimedia designer		
2652	2652	2652 - Musicians, singers and composers		
	2652.1	2652.1 - Composer		
	2652.2	2652.2 - Musician		
	2652.3	2652.3 - Singer		

	2653	2653	2653 - Dancers and choreographers 2653.1 - Dancer 2653.2 - Choreographer
	2654	2654	2654 - Film, stage and related directors and producers 2654.1 - Film and theater director 2654.2 - Stage Director 2654.3 - Film and theater producer 2654.4 - Television and radio producer and director 2654.5 - professionals
	2655	2655	2655 - Actors 2655.0 - Actor
	2656	2656	2656 - Announcers on radio, television and other media 2656.0 - Speaker and announcer on radio, television and other media
	2659	2659	2659 - Creative and performing artists not elsewhere classified 2659.1 - Disk Jockey 2659.2 - Other creative and performing artists not elsewhere classified
	2431	2431	2431 - Advertising and marketing professionals 2431.0 - Advertising and marketing professional
	2432	2432	2432 - Public relations professionals 2432.0 - Public relations professional
	342	342	342 - Sports and fitness workers
		3421	3421 - Athletes and sports players 3421.1 - Professional football player 3421.2 - Professional cyclist 3421.3 - Other athletes and sports competitors
		3422	3422 - Sports coaches, instructors and officials 3422.1 - Sports coach 3422.2 - Referee (judge) of sports 3422.3 - Sports Instructor
		3423	3423 - Fitness and recreation instructors and program leaders 3423.0 - Instructors and monitors of physical activity and recreation
	343	343	343 - Artistic, cultural and culinary associate professionals
	3431	3431	3431 - Photographers 3431.0 - Photographer
		3432	3432 - Interior designers and decorators 3432.0 - Decorator
		3433	3433 - Gallery, museum and library technicians 3433.0 - Technicians of galleries, libraries, archives and museums
		3434	3434 - Chefs 3434.0 - Chef
		3435	3435 - Other artistic and cultural associate professionals 3435.1 - Bullfighter, bullfighting rider and other related professionals 3435.2 - Other technicians of intermediate level on cultural and artistic activities
	5241	5241	5241 - Fashion and other models 5241.0 - Fashion and other models
	352	352	352 - Telecommunications and broadcasting technicians
	3521	3521	3521 - Broadcasting and audiovisual technicians 3521.1 - Broadcasting technician 3521.2 - Audiovisual technician 3521.3 - Audiovisual recording technician 3521.4 - Technician of radio communications systems
	3522	3522	3522 - Telecommunications engineering technicians 3522.0 - Telecommunications technician

Category Groups	Description - Occupational Categories	ISCO - 08 codes - 4 digits	Occupational Code (Portuguese CPP 2010) - 5 digits	Code and Description - Portuguese CPP 2010
CREATIVE PROFESSIONALS	Management and legislation occupations	1	1	1 - Managers
		11	11	11 - Chief executives, senior officials and legislators
		111	111	111 - Legislators and senior officials
		1111	1111	1111 - Legislators 1111.0 - Legislators
		1112	1112	1112 - Senior government officials 1112.0 - Senior government official
		1113	1113	1113 - Traditional chiefs and heads of village 1113.0 - Traditional chief and head of village
		1114	1114	1114 - Senior officials of special-interest organizations 1114.0 - Senior official of special-interest organizations
		112	112	112 - Managing directors and chief executives
		1120	1120	1120 - Managing directors and chief executives 1120.0 - Managing director and chief executive
		12	12	12 - Administrative and commercial managers
		121	121	121 - Business services and administration managers
		1211	1211	1211 - Finance managers 1211.0 - Finance manager
		1212	1212	1212 - Human resource managers 1212.0 - Human resource manager
		1213	1213	1213 - Policy and planning managers 1213.0 - Policy and planning manager
		1219	1219	1219 - Business services and administration managers not elsewhere classified 1219.0 - Other business services and administration managers
		122	122	122 - Sales, marketing and development managers
		1221	1221	1221 - Sales and marketing managers 1221.1 - Sales manager 1221.2 - Marketing manager
		1222	1222	1222 - Advertising and public relations managers 1222.1 - Advertising manager 1222.2 - Public relations manager
		1223	1223	1223 - Research and development managers 1223.0 - Research and development managers

	13	13	13 - Production and specialized services managers
	131	131	131 - Production managers in agriculture, forestry and fisheries
	1311	1311	1311 - Agricultural and forestry production managers
		1311.1	1311.1 - Agricultural production manager
		1311.2	1311.2 - Animal production manager
		1311.3	1311.3 - Forestry production manager
	1312	1312	1312 - Aquaculture and fisheries production managers
		1312.1	1312.1 - Fisheries production manager
		1312.2	1312.2 - Aquaculture production manager
	132	132	132 - Manufacturing, mining, construction, and distribution managers
	1321	1321	1321 - Manufacturing managers
		1321.0	1321.0 - Manufacturing manager
	1322	1322	1322 - Mining managers
		1322.0	1322.0 - Mining manager
	1323	1323	1323 - Construction managers
		1323.0	1323.0 - Construction and civil engineering manager
	1324	1324	1324 - Supply, transportation, storage, distribution and related managers
		1324.1	1324.1 - Purchasing/ Buying manager
		1324.2	1324.2 - Transportation manager
		1324.3	1324.3 - Supply, distribution and related managers
	133	133	133 - Information and communications technology service managers
	1330	1330	1330 - Information and communications technology service managers
		1330.0	1330.0 - Information and communications technology service managers
	134	134	134 - Professional services managers
	1341	1341	1341 - Child care services managers
		1341.0	1341.0 - Child care services manager
	1342	1342	1342 - Health services managers
		1342.0	1342.0 - Health services manager
	1343	1343	1343 - Aged care services managers
		1343.0	1343.0 - Aged care services manager
	1344	1344	1344 - Social welfare managers
		1344.0	1344.0 - Social welfare manager
	1345	1345	1345 - Educational services managers
		1345.0	1345.0 - Educational services manager
	1346	1346	1346 - Financial and insurance services branch managers
		1346.0	1346.0 - Financial and insurance services branch manager
	1349	1349	1349 - Professional services managers not elsewhere classified
		1349.1	1349.1 - Libraries, archives, museums, art galleries and national monuments manager
		1349.2	1349.2 - Officials and other professionals from forces and security services, with functions of control, management or supervision
		1349.3	1349.3 - Manager of other specialized services not elsewhere classified
	14	14	14 - Hospitality, retail and other services managers
	141	141	141 - Hotel and restaurant managers
	1411	1411	1411 - Hotel managers
		1411.0	1411.0 - Hotel manager and related professionals
	1412	1412	1412 - Restaurant managers
		1412.0	1412.0 - Restaurant manager and related professionals
	142	142	142 - Retail and wholesale trade managers
	1420	1420	1420 - Retail and wholesale trade managers
		1420.1	1420.1 - Retail trade manager
		1420.2	1420.2 - Wholesale trade manager
	143	143	143 - Other services managers
	1431	1431	1431 - Sports, recreation and cultural centre managers
		1431.0	1431.0 - Sports, recreation and cultural centre manager
	1439	1439	1439 - Services managers not elsewhere classified
		1439.0	1439.0 - Services manager not elsewhere classified
. Business and financial operations occupations	241	241	241 - Finance professionals
	2411	2411	2411 - Accountants
		2411.0	2411.0 - Accountant, accounting auditor, and related professionals
	2412	2412	2412 - Financial and investment advisers
		2412.0	2412.0 - Financial and investment adviser
	2413	2413	2413 - Financial analysts
		2413.0	2413.0 - Financial analyst
	242	242	242 - Administration professionals
	2421	2421	2421 - Management and organization analysts
		2421.0	2421.0 - Management and organization analyst
	2422	2422	2422 - Policy administration professionals
		2422.0	2422.0 - Policy administration specialist
	2423	2423	2423 - Human resources and careers professionals
		2423.0	2423.0 - Human resources specialist
	2424	2424	2424 - Training and staff development professionals
		2424.0	2424.0 - Training and human resources development professional
	331	331	331 - Financial and mathematical associate professionals
	3311	3311	3311 - Securities and finance dealers and brokers
		3311.0	3311.0 - Securities and finance dealer/ broker
	3312	3312	3312 - Credit and loans officers
		3312.0	3312.0 - Credit and loans officer
	3313	3313	3313 - Accounting associate professionals
		3313.1	3313.1 - Treasurer
		3313.2	3313.2 - Other accounting associate professionals
	3314	3314	3314 - Statistical, mathematical and related associate professionals
		3314.0	3314.0 - Statistical, mathematical and related associate professionals
	3315	3315	3315 - Valuers and loss assessors
		3315.0	3315.0 - Valuer and loss assessor
	332	332	332 - Sales and purchasing agents and brokers
	3321	3321	3321 - Insurance representatives
		3321.0	3321.0 - Insurance representative
	3322	3322	3322 - Commercial sales representatives
		3322.0	3322.0 - Commercial sales representative

	3323	3323	3323 - Buyers
		3323.0	3323.0 - Buyer
	3324	3324	3324 - Trade brokers
		3324.0	3324.0 - Trade broker
	333	333	333 - Business services agents
	3331	3331	3331 - Clearing and forwarding agents
		3331.0	3331.0 - Clearing and forwarding agent
	3332	3332	3332 - Conference and event planners
		3332.0	3332.0 - Conference and event planner
	3333	3333	3333 - Employment agents and contractors
		3333.0	3333.0 - Employment agent/ contractor
	3334	3334	3334 - Real estate agents and property managers
		3334.0	3334.0 - Real estate agent/ property manager
	3339	3339	3339 - Business services agents not elsewhere classified
		3339.0	3339.0 - Other business services agents
. Legal professionals	261	261	261 - Legal professionals
	2611	2611	2611 - Lawyers and solicitors
		2611.1	2611.1 - Lawyer
		2611.2	2611.2 - Solicitor
	2612	2612	2612 - Judges
		2612.0	2612.0 - Magistrate (judicial and magisterial courts)
	2619	2619	2619 - Legal professionals not elsewhere classified
		2619.1	property registry offices
		2619.2	2619.2 - Notary
		2619.3	2619.3 - Other legal professionals not elsewhere classified
. Nursing and midwifery professionals	222	222	222 - Nursing and midwifery professionals
	2221	2221	2221 - Nursing professionals (except midwifery)
		2221.1	2221.1 - Nursing professional - general care
		2221.2	2221.2 - Nursing professional - specialist in rehabilitation
		2221.3	2221.3 - Nursing professional - specialist in child health and pediatry
		2221.4	2221.4 - Nursing professional - specialist in mental and psychiatric health
		2221.5	2221.5 - Nursing professional - community nursing
		2221.6	2221.6 - Nursing professional - medical-surgical nursing
		2221.7	2221.7 - Other nursing professionals (except midwifery)
	2222	2222	2222 - Midwifery professionals
		2222.0	2222.0 - Midwifery professional
	322	322	322 - Nursing and midwifery associate professionals
	3221	3221	3221 - Nursing associate professionals
		3221.0	3221.0 - Nursing associate professional
	3222	3222	3222 - Midwifery associate professionals
		3222.0	3222.0 - Midwifery associate professional
. Life science and health associate professionals	223	223	223 - Traditional and alternative medicine professionals
	2230	2230	2230 - Traditional and alternative medicine professionals
		2230.1	2230.1 - Acupuncturist
		2230.2	2230.2 - Homeopath
		2230.3	2230.3 - Other traditional and alternative medicine professionals
	224	224	224 - Paramedic professionals
	2240	2240	2240 - Paramedic professionals
		2240.0	2240.0 - Paramedic professional
	314	314	314 - Life science technicians and related associate professionals
	3141	3141	3141 - Life science technicians (excluding medical)
		3141.0	3141.0 - Life science technician (excluding medical)
	3142	3142	3142 - Agricultural technicians
		3142.1	3142.1 - Agricultural technician
		3142.2	3142.2 - Technician of animal production
	3143	3143	3143 - Forestry technicians
		3143.0	3143.0 - Forestry technician (including cynegetics)
	321	321	321 - Medical and pharmaceutical technicians
	3211	3211	3211 - Medical imaging and therapeutic equipment technicians
		3211.1	3211.1 - Cardio-pneumography technician
		3211.2	3211.2 - Radiology technician
		3211.3	3211.3 - Nuclear medicine technician
		3211.4	3211.4 - Radiotherapy technician
		3211.5	3211.5 - Other medical imaging and therapeutic equipment technicians
	3212	3212	3212 - Medical and pathology laboratory technicians
		3212.1	3212.1 - Clinical analysis technician
		3212.2	3212.2 - Technician of pathological, cytological and thanatological anatomy
	3213	3213	3213 - Pharmaceutical technicians and assistants
		3213.0	3213.0 - Pharmaceutical technician and assistant
	3214	3214	3214 - Medical and dental prosthetic technicians
		3214.0	3214.0 - Medical and dental prosthetic technician
	323	323	323 - Traditional and complementary medicine associate professionals
	3230	3230	3230 - Traditional and complementary medicine associate professionals
		3230.0	3230.0 - Traditional and complementary medicine associate professional
	324	324	324 - Veterinary technicians and assistants
	3240	3240	3240 - Veterinary technicians and assistants
		3240.0	3240.0 - Veterinary technician and assistant
	325	325	325 - Other health associate professionals
	3251	3251	3251 - Dental assistants and therapists
		3251.0	3251.0 - Dental assistant and therapist
	3253	3253	3253 - Community health workers
		3253.0	3253.0 - Community health worker
	3254	3254	3254 - Dispensing opticians
		3254.1	3254.1 - Optician/ Optometrist
		3254.2	3254.2 - Contactologist/ Contact lenses technician
	3255	3255	3255 - Physiotherapy technicians and assistants
		3255.0	3255.0 - Physiotherapy technician and assistant
	3256	3256	3256 - Medical assistants
		3256.0	3256.0 - Medical assistant

	3257	3257	3257 - Environmental and occupational health inspectors and associates
		3257.0	3257.0 - Environmental and occupational health inspector and associate
	3259	3259	3259 - Health associate professionals not elsewhere classified
		3259.0	3259.0 - Health associate professionals not elsewhere classified
	3413	3413	3413 - Religious associate professionals
		3413.0	3413.0 - Religious associate professional
. Physical, chemical, construction and engineering sciences associate professionals	311	311	311 - Physical and engineering sciences technicians
	3111	3111	3111 - Chemical and physical sciences technicians
		3111.1	3111.1 - Physical sciences technician
		3111.2	3111.2 - Chemical sciences technician
	3112	3112	3112 - Civil engineering technicians
		3112.0	3112.0 - Civil engineering technician
	3113	3113	3113 - Electrical engineering technicians
		3113.0	3113.0 - Electrical engineering technician
	3114	3114	3114 - Electronics engineering technicians
		3114.0	3114.0 - Electronics engineering technician
	3115	3115	3115 - Mechanical engineering technicians
		3115.1	3115.1 - Vehicle inspection technician
		3115.2	3115.2 - Other mechanical engineering technicians
	3116	3116	3116 - Chemical engineering technicians
		3116.0	3116.0 - Chemical engineering technician
	3117	3117	3117 - Mining and metallurgical technicians
		3117.0	3117.0 - Mining and metallurgical technician
	3118	3118	3118 - Draughtspersons and related professionals
		3118.0	3118.0 - Draughtsperson
	3119	3119	3119 - Physical and engineering science technicians not elsewhere classified
		3119.1	3119.1 - Gas safety inspector/ technician
		3119.2	3119.2 - Other physical and engineering science technicians not elsewhere classified
	312	312	312 - Mining, manufacturing and construction supervisors
	3121	3121	3121 - Mining supervisors
		3121.0	3121.0 - Mining supervisor
	3122	3122	3122 - Manufacturing supervisors
		3122.1	3122.1 - Food and beverage industries' supervisors
		3122.2	3122.2 - Textiles and clothing, footwear and leather industries' supervisors
		3122.3	3122.3 - Wood and cork industries' supervisors
		3122.4	3122.4 - Pulp, paper, printing and similar industries' supervisors
		3122.5	3122.5 - Supervisors of oil refining, chemical, pharmaceutical products and plastics and rubber processing industries
		3122.6	3122.6 - Supervisors of non-metallic mineral transforming industries
		3122.7	3122.7 - Supervisors of of basic metals and fabricated metal products manufacturing industries
		3122.8	3122.8 - Other manufacturing supervisors
	3123	3123	3123 - Construction supervisors
		3123.0	3123.0 - Construction supervisor
	313	313	313 - Process control technicians
	3131	3131	3131 - Power production plant control operators
		3131.0	3131.0 - Power production plant control operator
	3132	3132	3132 - Incinerator and water treatment plant control operators
		3132.1	3132.1 - Incinerator plant control operator
		3132.2	3132.2 - Water treatment plant control operator
	3133	3133	3133 - Chemical processing plant controllers
		3133.0	3133.0 - Chemical processing plant control controller
	3134	3134	3134 - Petroleum and natural gas refining plant control operators
		3134.0	3134.0 - Petroleum and natural gas refining plant control operator
	3135	3135	3135 - Metal production process controllers
		3135.0	3135.0 - Metal production process controller
	3139	3139	3139 - Process control technicians not elsewhere classified
		3139.0	3139.0 - Other process control technicians not elsewhere classified
	315	315	315 - Ship and aircraft controllers and technicians
	3151	3151	3151 - Ships' engineers
		3151.0	3151.0 - Ships' engineer
	3152	3152	3152 - Ships' deck officers and pilots
		3152.0	3152.0 - Ships' deck officer and pilot
	3153	3153	3153 - Aircraft pilots and related associate professionals
		3153.0	3153.0 - Aircraft pilot
	3154	3154	3154 - Air traffic controllers
		3154.0	3154.0 - Air traffic controller
	3155	3155	3155 - Air traffic safety electronics technicians
		3155.0	3155.0 - Air traffic safety electronics technician
	351	351	351 - Information and communications technology operations and user support technicians
	3511	3511	3511 - Information and communications technology operations technicians
		3511.0	3511.0 - Information and communications technology operations technician
	3512	3512	3512 - Information and communications technology user support technicians
		3512.0	3512.0 - Information and communications technology user support technician
	3513	3513	3513 - Computer network and systems technicians
		3513.0	3513.0 - Computer network and systems technician
	3514	3514	3514 - Web technicians
		3514.0	3514.0 - Web technician
	3359	3359	3359 - Regulatory government associate professionals not elsewhere classified
		3359.0	3359.0 - Regulatory government associate professionals not elsewhere classified

. Finance and sales associate professionals	2433	2433	2433 - Technical and medical sales professionals (excluding ICT)
		2433.1	2433.1 - Medical sales representative
		2433.2	2433.2 - Other technical and medical sales professionals (excluding ICT)
	2434	2434	2434 - Information and communications technology sales professionals
		2434.0	2434.0 - Information and communications technology sales professional
. Administrative associate professionals	334	334	334 - Administrative and specialized secretaries
	3341	3341	3341 - Office supervisors
		3341.1	3341.1 - Head of Office
		3341.2	3341.2 - Store keeper
		3341.3	3341.3 - Head of post office
		3341.4	3341.4 - Tax and toll responsible
		3341.5	3341.5 - Supervisor of ship loading and unloading
		3341.6	3341.6 - Other office supervisors
		3342	3342 - Legal secretaries
		3342.0	3342.0 - Legal secretary
		3343	3343 - Administrative and executive secretaries
		3343.0	3343.0 - Administrative and executive secretary
	3344	3344 - Medical secretaries	
	3344.0	3344.0 - Medical secretary	
	3411	3411 - Legal and related associate professionals	
	3411.0	3411.0 - Legal and related associate professional	
. Police inspectors, regulatory government associate professionals and detectives	335	335	335 - Regulatory government associate professionals
	3351	3351	3351 - Customs and border inspectors
		3351.0	3351.0 - Customs and border inspector
		3352	3352 - Government tax and excise officials
		3352.0	3352.0 - Government tax and excise official
		3353	3353 - Government social benefits officials
		3353.0	3353.0 - Government social benefits official
		3354	3354 - Government licensing officials
	3354.0	3354.0 - Government licensing official	
	3355	3355 - Police inspectors and detectives	
	3355.0	3355.0 - Police inspector and detective	
. Social work associate professionals	3412	3412	3412 - Social work associate professionals
	3412.0	3412.0	3412.0 - Social work associate professional

Note: The selection of codes is of the responsibility of the authors, according to their interpretation of Boschma and Fritsch (2009: 396) and Fritsch and Stuetzer (2009: 10) taxonomies on the Creative Class category groups.

Table A4: McGranahan and Wojan (2007) refinement of Florida's (2002a) approach on the Creative Class

Category Groups	Description - Occupational Categories	ISCO - 08 codes - 4 digits	Occupational Code (Portuguese CPP 2010) - 5 digits	Code and Description - Portuguese CPP 2010
SUPER CREATIVE CORE	. Computer and mathematical occupations	<p>25</p> <p>2511</p> <p>2512</p> <p>2513</p> <p>2514</p> <p>2519</p> <p>2521</p> <p>2522</p> <p>2523</p> <p>2529</p> <p>212</p> <p>2120</p>	<p>25</p> <p>251</p> <p>2511.0</p> <p>2512.0</p> <p>2513.0</p> <p>2514.0</p> <p>2519.0</p> <p>252</p> <p>2521.0</p> <p>2522.0</p> <p>2523.0</p> <p>2529.0</p> <p>212</p> <p>2120</p> <p>2120.1</p> <p>2120.2</p> <p>2120.3</p>	<p>25 - Computer systems designers and analysts</p> <p>251 - Software, Web and applications analysts and programmers</p> <p>2511.0 - Systems analysts</p> <p>2512.0 - Software programmers/ developers</p> <p>2513.0 - Web and multimedia programmers/ developers</p> <p>2514.0 - Applications programmers</p> <p>2519.0 - Software and applications developers and analysts not elsewhere classified</p> <p>252 - Database and network professionals</p> <p>2521.0 - Database designers and administrators</p> <p>2522.0 - Systems administrators</p> <p>2523.0 - Computer network professionals</p> <p>2529.0 - Database and network professionals not elsewhere classified</p> <p>212 - Mathematicians, statisticians and related professionals</p> <p>2120 - Mathematicians, statisticians and related professionals</p> <p>2120.1 - Mathematician</p> <p>2120.2 - Actuary</p> <p>2120.3 - Statistician and Demographer</p>
	. Architecture and engineering occupations	<p>216</p> <p>2161</p> <p>2164</p> <p>2165</p> <p>214</p> <p>2141</p> <p>2142</p> <p>2143</p> <p>2144</p> <p>2145</p> <p>2146</p> <p>2149</p>	<p>216</p> <p>2161.0</p> <p>2164</p> <p>2164.0</p> <p>2165</p> <p>2165.1</p> <p>2165.2</p> <p>214</p> <p>2141.0</p> <p>2142</p> <p>2142.1</p> <p>2142.2</p> <p>2143.0</p> <p>2144.0</p> <p>2145.0</p> <p>2146</p> <p>2146.1</p> <p>2146.2</p> <p>2146.3</p> <p>2149.0</p>	<p>216 - Architects, planners, surveyors</p> <p>2161.0 - Building architects</p> <p>2162.0 - Landscape architects</p> <p>2164 - Town and traffic planners</p> <p>2164.0 - Town and traffic planner</p> <p>2165 - Cartographers and surveyors</p> <p>2165.1 - Cartographer and land surveyor</p> <p>2165.2 - Topographer and related professionals</p> <p>214 - Engineering professionals (excluding electrotechnology)</p> <p>2141.0 - Industrial and production engineer</p> <p>2142 - Civil engineers</p> <p>2142.1 - Building construction engineer</p> <p>2142.2 - Civil engineering works engineer</p> <p>2143.0 - Environmental engineer</p> <p>2144.0 - Mechanical engineer</p> <p>2145.0 - Chemical engineer</p> <p>2146 - Mining engineers, metallurgists and related professionals</p> <p>2146.1 - Mining engineer</p> <p>2146.2 - Metallurgical engineer</p> <p>2146.3 - Other engineers associated with mining and metallurgy</p> <p>2149.0 - Engineering professionals not elsewhere classified</p>

	215	215	215 - Electrotechnology engineers	
	2151	2151.0	2151.0 - Electrical engineer	
	2152	2152.0	2152.0 - Electronics engineer	
	2153	2153.0	2153.0 - Telecommunications engineer	
. Life, physical and social science occupations	213	213	213 - Life science professionals	
		2131	2131 - Biologists, botanists, zoologists and related professionals	
		2131.1	2131.1 - Biologist	
		2131.2	2131.2 - Botanist	
		2131.3	2131.3 - Zoologist	
		2131.4	2131.4 - Pharmacologist and other related professionals	
		2132	2132 - Farming, forestry and fisheries advisers	
		2132.1	2132.1 - Agronomic engineer	
		2132.2	2132.2 - Forestry engineer	
		2132.3	2132.3 - Fisheries activities advisers	
		2133	2133.0 - Environmental protection professionals	
		211	211 - Physicists, chemists and related professionals	
		2111	2111 - Physicists and astronomers	
		2111.1	2111.1 - Physicist	
		2111.2	2111.2 - Astronomer	
		2112	2112.0 - Meteorologist	
		2113	2113.0 - Chemist	
		2114	2114 - Geologists, geophysicists and oceanographers	
		2114.1	2114.1 - Geologist	
		2114.2	2114.2 - Geophysicist	
		2114.3	2114.3 - Oceanographer	
		263	263 - Social Science and Religion related professionals	
		2631	2631 - Economists	
			2631.0	2631.0 - Economist
		2632	2632 - Sociologists, anthropologists and related professionals	
			2632.1	2632.1 - Sociologist
		2632.2	2632.2 - Geographer	
		2632.3	2632.3 - Archeologist	
		2632.4	2632.4 - Anthropologist and related professionals	
	2633	2633 - Philosophers, historians and political scientists		
		2633.1	2633.1 - Philosopher	
		2633.2	2633.2 - Historian	
		2633.3	2633.3 - Specialist in political science	
	2634	2634 - Psychologists		
		2634.0	2634.0 - Psychologist	
	2635	2635 - Social work and counselling professionals		
		2635.0	2635.0 - Social work professional	
	2636	2636 - Religious professionals		
		2636.0	2636.0 - Religious professional	
. Education, training and library occupations	231	231	231 - University and higher education teachers	
	2310	2310	2310 - University and higher education teachers	
		2310.0	2310.0 - University and higher education teacher	
	262	262	262 - Archivists, museum curators and related information professionals	
	2621	2621	2621 - Archivists and museum curators	
		2621.1	2621.1 - Archivist	
	2621.2	2621.2 - Museum curator		
	2622	2622	2622 - Librarians and other related information professionals	
		2622.0	2622.0 - Librarians and other related information professionals	
BOHEMIANS (employed Bohemians)	264	264	264 - Authors, journalists and linguists	
. Arts, design, entertainment, sports and media occupations	2641	2641	2641 - Authors and related writers	
		2641.0	2641.0 - Author and writer	
	2642	2642	2642 - Journalists	
		2642.0	2642.0 - Journalist	
	2643	2643	2643 - Philologists, translators, interpreters and other linguists	
		2643.1	2643.1 - Philologist	
		2643.2	2643.2 - Translator	
		2643.3	2643.3 - Interpreter and other linguists	
	265	265	265 - Creative and performing artists	
	2651	2651	2651 - Visual artists	
		2651.1	2651.1 - Sculptor	
		2651.2	2651.2 - Art Painter	
		2651.3	2651.3 - Caricaturist	
		2651.4	2651.4 - Other visual artists	
	2163	2163	2163 - Product and garment designers	
		2163.1	2163.1 - Industrial Product/ Equipment designer	
		2163.2	2163.2 - Textile and fashion designer	
		2163.3	2163.3 - Interior, spaces and environments designer	
	2166	2166	2166 - Graphic and multimedia designers	
		2166.0	2166.0 - Graphic and multimedia designer	
	2652	2652	2652 - Musicians, singers and composers	
		2652.1	2652.1 - Composer	
		2652.2	2652.2 - Musician	
		2652.3	2652.3 - Singer	
	2653	2653	2653 - Dancers and choreographers	
		2653.1	2653.1 - Dancer	
	2653.2	2653.2 - Choreographer		
2654	2654	2654 - Film, stage and related directors and producers		
	2654.1	2654.1 - Film and theater director		
	2654.2	2654.2 - Stage Director		
	2654.3	2654.3 - Film and theater producer		
	2654.4	2654.4 - Television and radio producer and director		
	2654.5	2654.5 - Photography and sound director, assembler and related professionals		

		2655	2655	2655 - Actors
			2655.0	2655.0 - Actor
		2656	2656	2656 - Announcers on radio, television and other media
			2656.0	2656.0 - Speaker and announcer on radio, television and other media
		2659	2659	2659 - Creative and performing artists not elsewhere classified
			2659.1	2659.1 - Disk Jockey
			2659.2	2659.2 - Other creative and performing artists not elsewhere classified
		2431	2431	2431 - Advertising and marketing professionals
			2431.0	2431.0 - Advertising and marketing professional
		2432	2432	2432 - Public relations professionals
			2432.0	2432.0 - Public relations professional
		342	342	342 - Sports and fitness workers
			3421	3421 - Athletes and sports players
			3421.1	3421.1 - Professional football player
			3421.2	3421.2 - Professional cyclist
			3421.3	3421.3 - Other athletes and sports competitors
			3422	3422 - Sports coaches, instructors and officials
			3422.1	3422.1 - Sports coach
			3422.2	3422.2 - Referee (judge) of sports
			3422.3	3422.3 - Sports Instructor
			3423	3423 - Fitness and recreation instructors and program leaders
			3423.0	3423.0 - Instructors and monitors of physical activity and recreation
		343	343	343 - Artistic, cultural and culinary associate professionals
		3431	3431	3431 - Photographers
			3431.0	3431.0 - Photographer
			3432	3432 - Interior designers and decorators
			3432.0	3432.0 - Decorator
			3433	3433 - Gallery, museum and library technicians
			3433.0	3433.0 - Technicians of galleries, libraries, archives and museums
			3434	3434 - Chefs
			3434.0	3434.0 - Chef
			3435	3435 - Other artistic and cultural associate professionals
			3435.1	3435.1 - Bullfighter, bullfighting rider and other related professionals
			3435.2	3435.2 - Other technicians of intermediate level on cultural and artistic activities
		5241	5241	5241 - Fashion and other models
			5241.0	5241.0 - Fashion and other models
		352	352	352 - Telecommunications and broadcasting technicians
		3521	3521	3521 - Broadcasting and audiovisual technicians
			3521.1	3521.1 - Broadcasting technician
			3521.2	3521.2 - Audiovisual technician
			3521.3	3521.3 - Audiovisual recording technician
			3521.4	3521.4 - Technician of radio communications systems
		3522	3522	3522 - Telecommunications engineering technicians
			3522.0	3522.0 - Telecommunications technician

Category Groups	Description - Occupational Categories	ISCO - 08 codes - 4 digits	Occupational Code (Portuguese CPP 2010) - 5 digits	Code and Description - Portuguese CPP 2010
CREATIVE PROFESSIONALS	. Management occupations	1	1	1 - Managers
		11	11	11 - Chief executives, senior officials and legislators
		111	111	111 - Legislators and senior officials
		1111	1111	1111 - Legislators
			1111.0	1111.0 - Legislators
		1112	1112	1112 - Senior government officials
			1112.0	1112.0 - Senior government official
		1113	1113	1113 - Traditional chiefs and heads of village
			1113.0	1113.0 - Traditional chief and head of village
		1114	1114	1114 - Senior officials of special-interest organizations
			1114.0	1114.0 - Senior official of special-interest organizations
		112	112	112 - Managing directors and chief executives
		1120	1120	1120 - Managing directors and chief executives
			1120.0	1120.0 - Managing director and chief executive
		12	12	12 - Administrative and commercial managers
		121	121	121 - Business services and administration managers
		1211	1211	1211 - Finance managers
			1211.0	1211.0 - Finance manager
		1212	1212	1212 - Human resource managers
			1212.0	1212.0 - Human resource manager
		1213	1213	1213 - Policy and planning managers
			1213.0	1213.0 - Policy and planning manager
		1219	1219	1219 - Business services and administration managers not elsewhere classified
			1219.0	1219.0 - Other business services and administration managers
		122	122	122 - Sales, marketing and development managers
		1221	1221	1221 - Sales and marketing managers
			1221.1	1221.1 - Sales manager
	1221.2	1221.2 - Marketing manager		
1222	1222	1222 - Advertising and public relations managers		
	1222.1	1222.1 - Advertising manager		
	1222.2	1222.2 - Public relations manager		
1223	1223	1223 - Research and development managers		
	1223.0	1223.0 - Research and development managers		

	132	132	132 - Manufacturing, mining, construction, and distribution managers
	1321	1321	1321 - Manufacturing managers
	1321.0	1321.0	1321.0 - Manufacturing manager
	1322	1322	1322 - Mining managers
	1322.0	1322.0	1322.0 - Mining manager
	1323	1323	1323 - Construction managers
	1323.0	1323.0	1323.0 - Construction and civil engineering manager
	1324	1324	1324 - Supply, transportation, storage, distribution and related managers
	1324.1	1324.1	1324.1 - Purchasing/ Buying manager
	1324.2	1324.2	1324.2 - Transportation manager
	1324.3	1324.3	1324.3 - Supply, distribution and related managers
	133	133	133 - Information and communications technology service managers
	1330	1330	1330 - Information and communications technology service managers
	1330.0	1330.0	1330.0 - Information and communications technology service managers
	134	134	134 - Professional services managers
	1341	1341	1341 - Child care services managers
	1341.0	1341.0	1341.0 - Child care services manager
	1342	1342	1342 - Health services managers
	1342.0	1342.0	1342.0 - Health services manager
	1343	1343	1343 - Aged care services managers
	1343.0	1343.0	1343.0 - Aged care services manager
	1344	1344	1344 - Social welfare managers
	1344.0	1344.0	1344.0 - Social welfare manager
	1345	1345	1345 - Educational services managers
	1345.0	1345.0	1345.0 - Educational services manager
	1346	1346	1346 - Financial and insurance services branch managers
	1346.0	1346.0	1346.0 - Financial and insurance services branch manager
	1349	1349	1349 - Professional services managers not elsewhere classified
	1349.1	1349.1	1349.1 - Libraries, archives, museums, art galleries and national monuments manager
	1349.2	1349.2	1349.2 - Officials and other professionals from forces and security services, with functions of control, management or supervision
	1349.3	1349.3	1349.3 - Manager of other specialized services not elsewhere classified
	14	14	14 - Hospitality, retail and other services managers
	141	141	141 - Hotel and restaurant managers
	1411	1411	1411 - Hotel managers
	1411.0	1411.0	1411.0 - Hotel manager and related professionals
	1412	1412	1412 - Restaurant managers
	1412.0	1412.0	1412.0 - Restaurant manager and related professionals
	142	142	142 - Retail and wholesale trade managers
	1420	1420	1420 - Retail and wholesale trade managers
	1420.1	1420.1	1420.1 - Retail trade manager
	1420.2	1420.2	1420.2 - Wholesale trade manager
	143	143	143 - Other services managers
	1431	1431	1431 - Sports, recreation and cultural centre managers
	1431.0	1431.0	1431.0 - Sports, recreation and cultural centre manager
	1439	1439	1439 - Services managers not elsewhere classified
	1439.0	1439.0	1439.0 - Services manager not elsewhere classified
. Business and financial operations occupations	241 2411	241 2411	241 - Finance professionals 2411 - Accountants
		2411.0	2411.0 - Accountant, accounting auditor, and related professionals
	332	332	332 - Sales and purchasing agents
	3321	3321	3321 - Insurance representatives
	3321.0	3321.0	3321.0 - Insurance representative
	3322	3322	3322 - Commercial sales representatives
	3322.0	3322.0	3322.0 - Commercial sales representative
	3323	3323	3323 - Buyers
		3323.0	3323.0 - Buyer
. Legal professionals	261 2611	261 2611	261 - Legal professionals 2611 - Lawyers and solicitors
		2611.1	2611.1 - Lawyer
		2611.2	2611.2 - Solicitor
. Drafters, engineering and mapping associate professionals	3112	3112	3112 - Civil engineering technicians
	3112.0	3112.0	3112.0 - Civil engineering technician
	3113	3113	3113 - Electrical engineering technicians
	3113.0	3113.0	3113.0 - Electrical engineering technician
	3114	3114	3114 - Electronics engineering technicians
	3114.0	3114.0	3114.0 - Electronics engineering technician
	3115	3115	3115 - Mechanical engineering technicians
	3115.1	3115.1	3115.1 - Vehicle inspection technician
	3115.2	3115.2	3115.2 - Other mechanical engineering technicians
	3116	3116	3116 - Chemical engineering technicians
	3116.0	3116.0	3116.0 - Chemical engineering technician
	3117	3117	3117 - Mining and metallurgical technicians
	3117.0	3117.0	3117.0 - Mining and metallurgical technician
	3118	3118	3118 - Draughtspersons and related professionals
	3118.0	3118.0	3118.0 - Draughtsperson
. Supervising managers and process control technicians	312	312	312 - Mining, manufacturing and construction supervisors
	3121	3121	3121 - Mining supervisors
	3121.0	3121.0	3121.0 - Mining supervisor
	3122	3122	3122 - Manufacturing supervisors
	3122.1	3122.1	3122.1 - Food and beverage industries' supervisors
	3122.2	3122.2	3122.2 - Textiles and clothing, footwear and leather industries' supervisors

		3122.3	3122.3 - Wood and cork industries' supervisors
		3122.4	3122.4 - Pulp, paper, printing and similar industries' supervisors
		3122.5	3122.5 - Supervisors of oil refining, chemical, pharmaceutical products and plastics and rubber processing industries
		3122.6	3122.6 - Supervisors of non-metallic mineral transforming industries
		3122.7	3122.7 - Supervisors of of basic metals and fabricated metal products manufacturing industries
		3122.8	3122.8 - Other manufacturing supervisors
	3123	3123	3123 - Construction supervisors
		3123.0	3123.0 - Construction supervisor
	313	313	313 - Process control technicians
	3131	3131	3131 - Power production plant control operators
		3131.0	3131.0 - Power production plant control operator
	3132	3132	3132 - Incinerator and water treatment plant control operators
		3132.1	3132.1 - Incinerator plant control operator
		3132.2	3132.2 - Water treatment plant control operator
	3133	3133	3133 - Chemical processing plant controllers
		3133.0	3133.0 - Chemical processing plant control controller
	3134	3134	3134 - Petroleum and natural gas refining plant control operators
		3134.0	3134.0 - Petroleum and natural gas refining plant control operator
	3135	3135	3135 - Metal production process controllers
		3135.0	3135.0 - Metal production process controller
	3139	3139	3139 - Process control technicians not elsewhere classified
		3139.0	3139.0 - Other process control technicians not elsewhere classified
	315	315	315 - Ship and aircraft controllers and technicians
	3151	3151	3151 - Ships' engineers
		3151.0	3151.0 - Ships' engineer
	3152	3152	3152 - Ships' deck officers and pilots
		3152.0	3152.0 - Ships' deck officer and pilot
	3153	3153	3153 - Aircraft pilots and related associate professionals
		3153.0	3153.0 - Aircraft pilot
	3154	3154	3154 - Air traffic controllers
		3154.0	3154.0 - Air traffic controller
	3155	3155	3155 - Air traffic safety electronics technicians
		3155.0	3155.0 - Air traffic safety electronics technician
	351	351	351 - Information and communications technology operations and user support technicians
	3511	3511	3511 - Information and communications technology operations technicians
		3511.0	3511.0 - Information and communications technology operations technician
	3512	3512	3512 - Information and communications technology user support technicians
		3512.0	3512.0 - Information and communications technology user support technician
	3513	3513	3513 - Computer network and systems technicians
		3513.0	3513.0 - Computer network and systems technician
	3514	3514	3514 - Web technicians
		3514.0	3514.0 - Web technician
	. Finance and sales associate professionals	2433	2433 - Technical and medical sales professionals (excluding ICT)
		2433.1	2433.1 - Medical sales representative
		2433.2	2433.2 - Other technical and medical sales professionals (excluding ICT)
		2434	2434 - Information and communications technology sales professionals
		2434.0	2434.0 - Information and communications technology sales professional

Note: The selection of codes is of the responsibility of the authors, according to their interpretation of McGranahan and Wojan (2007: 205) refinement approach, based on the USA *O*NET* database of occupations available online at: <http://www.onetcodeconnector.org/find/family/code?s=11> [accessed April 2012].

Table A5: Gabe (2006) refinement of Florida’s (2002a) approach on the Creative Class

Category Groups	Description - Occupational Categories	ISCO - 08 codes - 4 digits	Occupational Code (Portuguese CPP 2010) - 5 digits	Code and Description - Portuguese CPP 2010
CREATIVE CORE	. Computer and mathematical occupations <i>Computer specialists</i> + <i>Mathematical science occupations</i>	25	25	25 - Computer systems designers and analysts
			251	251 - Software, Web and applications analysts and programmers
		2511	2511.0	2511.0 - Systems analysts
		2512	2512.0	2512.0 - Software programmers/ developers
		2513	2513.0	2513.0 - Web and multimedia programmers/ developers
		2514	2514.0	2514.0 - Applications programmers
		2519	2519.0	2519.0 - Software and applications developers and analysts not elsewhere classified
			252	252 - Database and network professionals
		2521	2521.0	2521.0 - Database designers and administrators
		2522	2522.0	2522.0 - Systems administrators
		2523	2523.0	2523.0 - Computer network professionals
		2529	2529.0	2529.0 - Database and network professionals not elsewhere classified
		212	212	212 - Mathematicians, statisticians and related professionals
		2120	2120	2120 - Mathematicians, statisticians and related professionals
			2120.1	2120.1 - Mathematician
	2120.2	2120.2 - Actuary		
	2120.3	2120.3 - Statistician and Demographer		

. Architecture and engineering occupations <i>Architects, surveyors, and cartographers</i> + <i>Engineers</i>	216	216	216 - Architects, planners, surveyors
	2161	2161.0	2161.0 - Building architects
		2162.0	2162.0 - Landscape architects
	2164	2164	2164 - Town and traffic planners
		2164.0	2164.0 - Town and traffic planner
	2165	2165	2165 - Cartographers and surveyors
		2165.1	2165.1 - Cartographer and land surveyor
		2165.2	2165.2 - Topographer and related professionals
		214	214 - Engineering professionals (excluding electrotechnology)
	2141	2141.0	2141.0 - Industrial and production engineer
	2142	2142	2142 - Civil engineers
		2142.1	2142.1 - Building construction engineer
		2142.2	2142.2 - Civil engineering works engineer
	2143	2143.0	2143.0 - Environmental engineer
	2144	2144.0	2144.0 - Mechanical engineer
	2145	2145.0	2145.0 - Chemical engineer
	2146	2146	2146 - Mining engineers, metallurgists and related professionals
		2146.1	2146.1 - Mining engineer
		2146.2	2146.2 - Metallurgical engineer
		2146.3	2146.3 - Other engineers associated with mining and metallurgy
2149	2149.0	2149.0 - Engineering professionals not elsewhere classified	
215	215	215 - Electrotechnology engineers	
2151	2151.0	2151.0 - Electrical engineer	
2152	2152.0	2152.0 - Electronics engineer	
2153	2153.0	2153.0 - Telecommunications engineer	
. Life, physical and social science occupations <i>Life scientists</i> + <i>Physical scientists</i> + <i>Social scientists and related workers</i>	213	213	213 - Life science professionals
	2131	2131 - Biologists, botanists, zoologists and related professionals	
	2131.1	2131.1 - Biologist	
	2131.2	2131.2 - Botanist	
	2131.3	2131.3 - Zoologist	
	2131.4	2131.4 - Pharmacologist and other related professionals	
2132	2132	2132 - Farming, forestry and fisheries advisers	
	2132.1	2132.1 - Agronomic engineer	
	2132.2	2132.2 - Forestry engineer	
	2132.3	2132.3 - Fisheries activities advisers	
2133	2133	2133.0 - Environmental protection professionals	
211	211	211 - Physicists, chemists and related professionals	
2111	2111	2111 - Physicists and astronomers	
	2111.1	2111.1 - Physicist	
	2111.2	2111.2 - Astronomer	
2112	2112.0	2112.0 - Meteorologist	
2113	2113.0	2113.0 - Chemist	
2114	2114	2114 - Geologists, geophysicists and oceanographers	
	2114.1	2114.1 - Geologist	
	2114.2	2114.2 - Geophysicist	
	2114.3	2114.3 - Oceanographer	
263	263	263 - Social Science and Religion related professionals	
2631	2631	2631 - Economists	
	2631.0	2631.0 - Economist	
2632	2632	2632 - Sociologists, anthropologists and related professionals	
	2632.1	2632.1 - Sociologist	
	2632.2	2632.2 - Geographer	
	2632.3	2632.3 - Archeologist	
	2632.4	2632.4 - Anthropologist and related professionals	
2633	2633	2633 - Philosophers, historians and political scientists	
	2633.1	2633.1 - Philosopher	
	2633.2	2633.2 - Historian	
	2633.3	2633.3 - Specialist in political science	
2634	2634	2634 - Psychologists	
	2634.0	2634.0 - Psychologist	
2635	2635	2635 - Social work and counselling professionals	
	2635.0	2635.0 - Social work professional	
2636	2636	2636 - Religious professionals	
	2636.0	2636.0 - Religious professional	
. Education, training and library occupations <i>Postsecondary teachers</i> + <i>Primary, secondary, and special education school teachers</i> + <i>Other teachers and instructors</i> + <i>Librarians, curators, and archivists</i> + <i>Other education, training, and library occupations</i>	231	231	231 - University and higher education teachers
	2310	2310	2310 - University and higher education teachers
		2310.0	2310.0 - University and higher education teacher
232	232	232 - Vocational, technological and artistic education teachers	
2320	2320	2320 - Vocational, technological and artistic education teachers	
		2320.0	2320.0 - Vocational, technological and artistic education teacher
233	233	233 - Secondary and basic education teachers	
2330	2330	2330 - Secondary and basic education teachers	
		2330.0	2330.0 - Secondary and basic education teacher
234	234	234 - Primary school and early childhood teachers	
2341	2341	2341 - Primary school teachers	
		2341.0	2341.0 - Primary school teacher
2342	2342	2342 - Early childhood educators	
		2342.0	2342.0 - Early childhood educator
235	235	235 - Other teaching professionals	
2351	2351	2351 - Education methods specialists	
		2351.0	2351.0 - Education methods specialist
2352	2352	2352 - Special needs teachers	
		2352.0	2352.0 - Special needs teacher
2353	2353	2353 - Other language teachers	
		2353.0	2353.0 - Other language teacher
2354	2354	2354 - Other music teachers	
		2354.0	2354.0 - Other music teachers
2355	2355	2355 - Other arts teachers	
		2355.0	2355.0 - Other arts teachers

	2356	2356	2356 - Information technology trainers
	2356.0	2356.0	2356.0 - Information technology trainer
	2359	2359	2359 - Teaching professionals not elsewhere classified
	2359.0	2359.0	2359.0 - Teaching professionals not elsewhere classified
	262	262	262 - Archivists, museum curators and related information professionals
	2621	2621	2621 - Archivists and museum curators
		2621.1	2621.1 - Archivist
		2621.2	2621.2 - Museum curator
	2622	2622	2622 - Librarians and other related information professionals
		2622.0	2622.0 - Librarians and other related information professionals
	264	264	264 - Authors, journalists and linguists
Arts, design, entertainment, sports and media occupations	2641	2641	2641 - Authors and related writers
		2641.0	2641.0 - Author and writer
<i>Art and design workers</i>	2642	2642	2642 - Journalists
+		2642.0	2642.0 - Journalist
<i>Entertainers and performers, sports, and related workers</i>	2643	2643	2643 - Philologists, translators, interpreters and other linguists
+		2643.1	2643.1 - Philologist
		2643.2	2643.2 - Translator
<i>Media and communication workers</i>		2643.3	2643.3 - Interpreter and other linguists
	265	265	265 - Creative and performing artists
	2651	2651	2651 - Visual artists
		2651.1	2651.1 - Sculptor
		2651.2	2651.2 - Art Painter
		2651.3	2651.3 - Caricaturist
		2651.4	2651.4 - Other visual artists
	2163	2163	2163 - Product and garment designers
		2163.1	2163.1 - Industrial Product/ Equipment designer
		2163.2	2163.2 - Textile and fashion designer
		2163.3	2163.3 - Interior, spaces and environments designer
	2166	2166	2166 - Graphic and multimedia designers
		2166.0	2166.0 - Graphic and multimedia designer
	2652	2652	2652 - Musicians, singers and composers
		2652.1	2652.1 - Composer
		2652.2	2652.2 - Musician
		2652.3	2652.3 - Singer
	2653	2653	2653 - Dancers and choreographers
		2653.1	2653.1 - Dancer
		2653.2	2653.2 - Choreographer
	2654	2654	2654 - Film, stage and related directors and producers
		2654.1	2654.1 - Film and theater director
		2654.2	2654.2 - Stage Director
		2654.3	2654.3 - Film and theater producer
		2654.4	2654.4 - Television and radio producer and director
		2654.5	2654.5 - Photography and sound director, assembler and related professionals
	2655	2655	2655 - Actors
		2655.0	2655.0 - Actor
	2656	2656	2656 - Announcers on radio, television and other media
		2656.0	2656.0 - Speaker and announcer on radio, television and other media
	2659	2659	2659 - Creative and performing artists not elsewhere classified
		2659.1	2659.1 - Disk Jockey
		2659.2	2659.2 - Other creative and performing artists not elsewhere classified
	2431	2431	2431 - Advertising and marketing professionals
		2431.0	2431.0 - Advertising and marketing professional
	2432	2432	2432 - Public relations professionals
		2432.0	2432.0 - Public relations professional
	342	342	342 - Sports and fitness workers
		3421	3421 - Athletes and sports players
		3421.1	3421.1 - Professional football player
		3421.2	3421.2 - Professional cyclist
		3421.3	3421.3 - Other athletes and sports competitors
		3422	3422 - Sports coaches, instructors and officials
		3422.1	3422.1 - Sports coach
		3422.2	3422.2 - Referee (judge) of sports
		3422.3	3422.3 - Sports Instructor
		3423	3423 - Fitness and recreation instructors and program leaders
		3423.0	3423.0 - Instructors and monitors of physical activity and recreation
	343	343	343 - Artistic, cultural and culinary associate professionals
	3431	3431	3431 - Photographers
		3431.0	3431.0 - Photographer
		3432	3432 - Interior designers and decorators
		3432.0	3432.0 - Decorator
		3433	3433 - Gallery, museum and library technicians
		3433.0	3433.0 - Technicians of galleries, libraries, archives and museums
		3434	3434 - Chefs
		3434.0	3434.0 - Chef
		3435	3435 - Other artistic and cultural associate professionals
		3435.1	3435.1 - Bullfighter, bullfighting rider and other related professionals
		3435.2	3435.2 - Other technicians of intermediate level on cultural and artistic activities
	5241	5241	5241 - Fashion and other models
		5241.0	5241.0 - Fashion and other models

<i>. Media and communication equipment workers</i>	351	351	351 - Information and communications technology operations and user support technicians
	3511	3511	3511 - Information and communications technology operations technicians
		3511.0	3511.0 - Information and communications technology operations technician
	3512	3512	3512 - Information and communications technology user support technicians
		3512.0	3512.0 - Information and communications technology user support technician
	3513	3513	3513 - Computer network and systems technicians
		3513.0	3513.0 - Computer network and systems technician
	3514	3514	3514 - Web technicians
		3514.0	3514.0 - Web technician
	352	352	352 - Telecommunications and broadcasting technicians
	3521	3521	3521 - Broadcasting and audiovisual technicians
		3521.1	3521.1 - Broadcasting technician
		3521.2	3521.2 - Audiovisual technician
	3521.3	3521.3 - Audiovisual recording technician	
	3521.4	3521.4 - Technician of radio communications systems	
	3522	3522 - Telecommunications engineering technicians	
	3522.0	3522.0 - Telecommunications technician	
. Management occupations	1	1	1 - Managers
	11	11	11 - Chief executives, senior officials and legislators
	111	111	111 - Legislators and senior officials
<i>Top Executives</i>	1111	1111	1111 - Legislators
+		1111.0	1111.0 - Legislators
<i>Advertising, marketing, promotions, public relations, and sales managers</i>	1112	1112	1112 - Senior government officials
+		1112.0	1112.0 - Senior government official
<i>Operations specialties managers</i>	1113	1113	1113 - Traditional chiefs and heads of village
+		1113.0	1113.0 - Traditional chief and head of village
<i>Other management occupations</i>	1114	1114	1114 - Senior officials of special-interest organizations
		1114.0	1114.0 - Senior official of special-interest organizations
	112	112	112 - Managing directors and chief executives
	1120	1120	1120 - Managing directors and chief executives
		1120.0	1120.0 - Managing director and chief executive
	12	12	12 - Administrative and commercial managers
	121	121	121 - Business services and administration managers
	1211	1211	1211 - Finance managers
		1211.0	1211.0 - Finance manager
	1212	1212	1212 - Human resource managers
		1212.0	1212.0 - Human resource manager
	1213	1213	1213 - Policy and planning managers
		1213.0	1213.0 - Policy and planning manager
	1219	1219	1219 - Business services and administration managers not elsewhere classified
		1219.0	1219.0 - Other business services and administration managers
	122	122	122 - Sales, marketing and development managers
	1221	1221	1221 - Sales and marketing managers
		1221.1	1221.1 - Sales manager
		1221.2	1221.2 - Marketing manager
	1222	1222	1222 - Advertising and public relations managers
		1222.1	1222.1 - Advertising manager
		1222.2	1222.2 - Public relations manager
	1223	1223	1223 - Research and development managers
		1223.0	1223.0 - Research and development managers
	13	13	13 - Production and specialized services managers
	131	131	131 - Production managers in agriculture, forestry and fisheries
	1311	1311	1311 - Agricultural and forestry production managers
		1311.1	1311.1 - Agricultural production manager
		1311.2	1311.2 - Animal production manager
		1311.3	1311.3 - Forestry production manager
	1312	1312	1312 - Aquaculture and fisheries production managers
		1312.1	1312.1 - Fisheries production manager
		1312.2	1312.2 - Aquaculture production manager
	132	132	132 - Manufacturing, mining, construction, and distribution managers
	1321	1321	1321 - Manufacturing managers
		1321.0	1321.0 - Manufacturing manager
	1322	1322	1322 - Mining managers
		1322.0	1322.0 - Mining manager
	1323	1323	1323 - Construction managers
		1323.0	1323.0 - Construction and civil engineering manager
	1324	1324	1324 - Supply, transportation, storage, distribution and related managers
		1324.1	1324.1 - Purchasing/ Buying manager
		1324.2	1324.2 - Transportation manager
		1324.3	1324.3 - Supply, distribution and related managers
	133	133	133 - Information and communications technology service managers
	1330	1330	1330 - Information and communications technology service managers
		1330.0	1330.0 - Information and communications technology service managers
	134	134	134 - Professional services managers
	1341	1341	1341 - Child care services managers
		1341.0	1341.0 - Child care services manager
	1342	1342	1342 - Health services managers
		1342.0	1342.0 - Health services manager
	1343	1343	1343 - Aged care services managers
		1343.0	1343.0 - Aged care services manager
	1344	1344	1344 - Social welfare managers
		1344.0	1344.0 - Social welfare manager
	1345	1345	1345 - Educational services managers
		1345.0	1345.0 - Educational services manager
	1346	1346	1346 - Financial and insurance services branch managers
		1346.0	1346.0 - Financial and insurance services branch manager

	1349	1349	1349 - Professional services managers not elsewhere classified
		1349.1	1349.1 - Libraries, archives, museums, art galleries and national monuments manager
		1349.2	1349.2 - Officials and other professionals from forces and security services, with functions of control, management or supervision
		1349.3	1349.3 - Manager of other specialized services not elsewhere classified
	14	14	14 - Hospitality, retail and other services managers
	141	141	141 - Hotel and restaurant managers
	1411	1411	1411 - Hotel managers
		1411.0	1411.0 - Hotel manager and related professionals
	1412	1412	1412 - Restaurant managers
		1412.0	1412.0 - Restaurant manager and related professionals
	142	142	142 - Retail and wholesale trade managers
	1420	1420	1420 - Retail and wholesale trade managers
		1420.1	1420.1 - Retail trade manager
		1420.2	1420.2 - Wholesale trade manager
	143	143	143 - Other services managers
	1431	1431	1431 - Sports, recreation and cultural centre managers
		1431.0	1431.0 - Sports, recreation and cultural centre manager
	1439	1439	1439 - Services managers not elsewhere classified
		1439.0	1439.0 - Services manager not elsewhere classified

Note: The selection of codes is of the responsibility of the authors, according to their interpretation of Gabe (2006: 398, 400-401) refinement approach, based on the US *O*NET* database of occupations available online at: <http://www.onetcodeconnector.org/find/family/code?s=11> [accessed April 2012].

Table A6: Combined industry and occupation-based approach on the Creative Class - Higgs *et al.* (2008: 59-61) *Creative Trident* approach

	ECONOMIC SECTOR	UK SIC 2003 codes (Higgs <i>et al.</i> , 2008: 36)	ISIC codes - Rev. 4 - 4 digits	Portuguese CAE - Rev 3 codes - 5 digits	Description of Economic Activity (CAE - Rev. 3) - 5 digits *	SOC2000 - occupational UK codes	ISCO - 08 codes - 4 digits	Occupational Code (Portuguese CPP 2010) - 5 digits	Code and Description - Portuguese CPP 2010**			
CORE CREATIVE SECTORS (SIC codes) and CREATIVE OCCUPATIONS (SOC codes)	ADVERTISING and MARKETING	744 - Advertising	7310	73	Advertising, market research and public opinion polling	1134 - Advertising and public relations managers	1221	122	122 - Sales, marketing and development managers			
				731	Advertising			1221	1221	1221 - Sales and marketing managers		
	7311			Advertising agencies		3543 - Marketing associate professionals		1221.1	1221.1 - Sales manager			
	73110			Advertising agencies				1221.2	1221.2 - Marketing manager			
	7312			Media representation				1222	1222	1222 - Advertising and public relations managers		
	73120			Media representation						1222.1	1222.1 - Advertising manager	
	7320			Market research and public opinion polling						1222.2	1222.2 - Public relations manager	
	73200			Market research and public opinion polling						2431	2431	2431 - Advertising and marketing professionals
								2431.0	2431.0 - Advertising and marketing professional			
								4227	4227			4227 - Survey and market research interviewers
							4227.0	4227.0 - Survey and market research interviewer				
	ARCHITECTURE, VISUAL ARTS and DESIGN	362 - Manufacture of jewellery and related articles	3211	32	Other manufacturing activities	3411 - Artists	2651	265	265 - Creative and performing artists			
				321	Manufacture of jewellery, imitation jewellery and related articles				2651	2651	2651 - Visual artists	
				3211	Striking of coins				2651.1	2651.1 - Sculptor		
				32110	Striking of coins				2651.2	2651.2 - Art Painter		
				3212	Manufacture of jewellery and related articles				2651.3	2651.3 - Caricaturist		
				32121	Manufacture of filigree				2651.4	2651.4 - Other visual artists		
				32122	Manufacture of jewellery and related articles, n.c.e							
				32123	Working of diamonds and of other precious or semi-precious stones for jewellery and industrial use				5499 - Hand craft occupations n.e.c.	7311	731	731 - Handicraft workers
				3212	Manufacture of imitation jewellery						7311	7311 - Precision-instrument makers and repairers
				32130	Manufacture of imitation jewellery						7311.0	7311.0 - Precision-instrument maker and repairer
					5491 - Glass and ceramics makers, decorators and finishers	7313	7313	7313 - Jewellery and precious-metal workers				
							7313.1	7313.1 - Jeweller/ jewellery worker				
							7313.2	7313.2 - Filigree worker				
					5492 - Furniture makers, other craft woodworkers	7314	7314	7314 - Potters and related workers				
							7314.1	7314.1 - Potter				
							7314.2	7314.2 - Modeller and formist of ceramics				
							7314.3	7314.3 - Other potters and related workers				

					7315	7315	7315 - Glass makers, cutters, grinders and finishers
						7315.1	7315.1 - Glass maker
						7315.2	7315.2 - Glass cutter
						7315.3	7315.3 - Glass grinder and finisher
					7316	7316	7316 - Sign writers, decorative painters, engravers and etchers
						7316.1	7316.1 - Sign writer, engraver and etcher in glass, ceramics and other materials
						7316.2	7316.2 - Decorative painter in glass, ceramics and other materials
					7317	7317	7317 - Handicraft workers in wood, basketry and related materials
						7317.1	7317.1 - Handicraft worker in wood
						7317.2	7317.2 - Handicraft worker in basketry and related materials
						752	752 - Wood treaters, cabinet-makers and related trades workers
					7521	7521	7521 - Wood treaters
						7521.1	7521.1 - Wood treater
						7521.2	7521.2 - Cork treater
					7522	7522	7522 - Cabinet-makers and related workers
						7522.1	7522.1 - Cabinet-maker
						7522.2	7522.2 - Cooper, carpenter and related workers
					7318	7318	7318 - Handicraft workers in textile, leather and related materials
						7318.1	7318.1 - Handicraft worker in textile, manual embroidery and tapestry
						7318.2	7318.2 - Handicraft workers in leather
						7318.3	7318.3 - Other handicraft workers in textile, leather and related materials
					7319	7319	7319 - Handicraft workers not elsewhere classified
						7319.0	7319.0 - Handicraft workers not elsewhere classified
						753	753 - Garment and related trades workers
					7531	7531	7531 - Tailors, dressmakers, furriers and hatters
						7531.1	7531.1 - Tailor and Dressmaker
						7531.2	7531.2 - Furrier
						7531.3	7531.3 - Hatter
Design [no code in UK 2003 SIC]	7410	741 7410	Specialised design activities Specialised design activities	3421 - Graphic designers	2163	2163	2163 - Product and garment designers
						2163.1	2163.1 - Industrial Product/ Equipment designer
						2163.2	2163.2 - Textile and fashion designer
				3422 - Product, clothing and related designers	2166	2166	2166 - Graphic and multimedia designers
						2166.0	2166.0 - Graphic and multimedia designer
					3432	3432	3432 - Interior designers and decorators
						3432.0	3432.0 - Decorator

	74201 - Architectural services	7110	711	Architectural, engineering and related technical consultancy	2431 - Architects	2161	2161	2161 - Building architects
			7111	Architectural activities	2432 - Town planners	2162	2162	2162 - Landscape architects
					3121 - Architectural technologists and town planning technicians	2164	2164	2164 - Town and traffic planners
					2126 - Design and development engineers	2165	2165	2165 - Cartographers and surveyors
					3122 - Draughtspersons	3118	3118	3118 - Draughtspersons and related professionals
								3118.0 - Draughtsperson
FILM, TV, RADIO and PHOTOGRAPHY	921 - Motion picture and video activities	5911	591	591 - Motion picture, video and television programme activities	3416 - Arts officers, producers and directors	2654	2654	2654 - Film, stage and related directors and producers
			5911	5911 - Motion picture, video and television programme production activities			2654.1	2654.1 - Film and theater director
			59110	59110 - Motion picture, video and television programme production activities			2654.2	2654.2 - Stage Director
			5912	5912 - Motion picture, video and television programme post-production activities			2654.3	2654.3 - Film and theater producer
	922 - Radio and television activities	5912	5912	59120 - Motion picture, video and television programme post-production activities			2654.4	2654.4 - Television and radio producer and director
					3432 - Broadcasting associate professionals		2654.5	2654.5 - Photography and sound director, assembler and related professionals
			60	60 - Radio and television activities				
			601	601 - Radio activities				
			6010	6010 - Radio activities		2656	2656	2656 - Announcers on radio, television and other media
			60100	60100 - Radio activities			2656.0	2656.0 - Speaker and announcer on radio, television and other media
			602	602 - Television activities				
			6020	6020 - Television activities	3434 - Photographers and audio-visual equipment operators	3521	3521	3521 - Broadcasting and audiovisual technicians
			60200	60200 - Television activities			3521.1	3521.1 - Broadcasting technician
							3521.2	3521.2 - Audiovisual technician
							3521.3	3521.3 - Audiovisual recording technician
			742	Photographic activities		3435	3435	3435 - Other artistic and cultural associate professionals
			7420	Photographic activities			3435.2	3435.2 - Other technicians of intermediate level on cultural and artistic activities
			74200	Photographic activities		3431	3431	3431 - Photographers
							3431.0	3431.0 - Photographer

MUSIC and PERFORMING ARTS	920 - Recreational, cultural and sporting activities n.o.s.	5920	592	592 - Sound recording and music publishing activities		2652	2652	2652 - Musicians, singers and composers
			5920	5920 - Sound recording and music publishing activities	3415 - Musicians		2652.1	2652.1 - Composer
			59200	59200 - Sound recording and music publishing activities			2652.2	2652.2 - Musician
							2652.3	2652.3 - Singer
			90	Creative, arts, artistic and literary activities				
			900	Creative, arts, artistic and literary activities				
	923 - Other entertainment activities	9000	9001	Performing arts	3413 - Actors, entertainers	2653	2653	2653 - Dancers and choreographers
			90010	Performing arts			2653.1	2653.1 - Dancer
			9002	Support activities to performing arts	3414 - Dancers and choreographers		2653.2	2653.2 - Choreographer
			90020	Support activities to performing arts				
			9003	Artistic and literary creation		2655	2655	2655 - Actors
			90030	Artistic and literary creation			2655.0	2655.0 - Actor
			9004	Operation of arts facilities				
			90040	Operation of arts facilities				
			932	Amusement and recreation activities				
		9321	9321	Activities of amusement parks and theme parks				
			93210	Activities of amusement parks and theme parks				
		9329	9329	Other amusement and recreation activities				
			93291	Bullfighting activities				
			93292	Recreational harbours (marinas) activities				
			93293	Organization of tourist animation activities				
			93294	Other amusement and recreational activities n.e.c.				
PUBLISHING	221 - Publishing		58	58 - Publishing activities	3412 - Authors, writers		264	264 - Authors, journalists and linguists
			581	581 - Publishing of books, periodicals and other publishing activities		2641	2641	2641 - Authors and related writers
	924 - News agencies	5811	5811	5811 - Book publishing			2641.0	2641.0 - Author and writer
			58110	58110 - Book publishing				
		5812	5812	5812 - Publishing of directories and mailing lists	3431 - Journalists, newspaper and periodical editors	2642	2642	2642 - Journalists
	925 - Library, archives, museums and other cultural activities		58120	58120 - Publishing of directories and mailing lists			2642.0	2642.0 - Journalist
			5813	5813 - Publishing of newspapers				
		5813	58130	58130 - Publishing of newspapers	5421 - Originators, composers and print preparers	2643	2643	2643 - Philologists, translators, interpreters and other linguists
			5814	5814 - Publishing of journals and periodicals			2643.1	2643.1 - Philologist
			58140	58140 - Publishing of journals and periodicals			2643.2	2643.2 - Translator
		5819	5819	5819 - Other publishing activities			2643.3	2643.3 - Interpreter and other linguists
			58190	58190 - Other publishing activities				
			743	Translation and interpretation activities			732	732 - Printing preparing trades workers
		7490	7430	Translation and interpretation activities		7321	7321	7321 - Pre-press technicians
			74300	Translation and interpretation activities			7321.0	7321.0 - Pre-press technician

			91	Libraries, archives, museums and other cultural activities				
			910	Libraries, archives, museums and other cultural activities	2451 - Librarians		262	262 - Archivists, museum curators and related information professionals
		9101	9101	Library and archives activities		2621	2621	2621 - Archivists and museum curators
			91011	Library activities	4135 - Library assistants/clerks		2621.1	2621.1 - Archivist
			91012	Archives activities			2621.2	2621.2 - Museum curator
			9102	Museums activities				
			91020	Museums activities				
		9102	9103	Historical sites, buildings and similar visitor attractions activities	2452 - Archivists and curators		2622	2622 - Librarians and other related information professionals
			91030	Historical sites, buildings and similar visitor attractions activities			2622.0	2622.0 - Librarians and other related information professionals
		9103	9104	Botanical and zoological gardens, aquaria, parks and nature reserves activities				
			91041	Botanical and zoological gardens and aquaria activities		3433	3433	3433 - Gallery, museum and library technicians
			91042	Parks and nature reserves activities			3433.0	3433.0 - Technicians of galleries, libraries, archives and museums
			639	639 - Other information service activities				
		6391	6391	6391 - News agency activities				
			63910	63910 - News agency activities				
		6399	6399	6399 - Other information service activities n.e.c.				
			63990	63990 - Other information service activities n.e.c.				
COMPUTER SOFTWARE	7220 - Computer Software consultancy (disaggregated from the records of '72 Computer and related activities')		62	62 - Computer programming, consultancy and related activities	2132 - Software professionals		25	25 - Computer systems designers and analysts
		6201	6201	6201 - Computer programming activities			251	251 - Software, Web and applications analysts and programmers
			62010	62010 - Computer programming activities		2511	2511.0	2511.0 - Systems analysts
			6202	6202 - Computer consultancy activities		2512	2512.0	2512.0 - Software programmers/ developers
			62020	62020 - Computer consultancy activities		2513	2513.0	2513.0 - Web and multimedia programmers/ developers
		6202	6203	6203 - Computer facilities management activities		2514	2514.0	2514.0 - Applications programmers
			62030	62030 - Computer facilities management activities		2519	2519.0	2519.0 - Software and applications developers and analysts not elsewhere classified
		6209	6209	6209 - Other information technology and computer service activities	2131 - IT strategy and planning professionals		252	252 - Database and network professionals
			62090	62090 - Other information technology and computer service activities		2521	2521.0	2521.0 - Database designers and administrators
						2522	2522.0	2522.0 - Systems administrators
						2523	2523.0	2523.0 - Computer network professionals
						2529	2529.0	2529.0 - Database and network professionals not elsewhere classified

									351	351 - Information and communications technology operations and user support technicians
									3511	3511 - Information and communications technology operations technicians
									3511.0	3511.0 - Information and communications technology operations technician
									3512	3512 - Information and communications technology user support technicians
									3512.0	3512.0 - Information and communications technology user support technician
									3513	3513 - Computer network and systems technicians
									3513.0	3513.0 - Computer network and systems technician
									3514	3514 - Web technicians
									3514.0	3514.0 - Web technician

Note: The selection of codes is of the responsibility of the authors, according to their interpretation of Higgs *et al.* (2008: 59-61) selection of industrial (UK SIC 2003) and occupational (UK SOC 2000) codes. The respective occupational codes were converted into the recent versions of *ISCO - 08* and the Portuguese occupational codes *CPP2010*.

Table A7: Combined industry and occupation-based approach - DCMS UK (2010a) approach on Core Creative Sectors (UK SIC 2007 codes) and Creative Occupations (UK SOC 2000 codes)

ECONOMIC SECTOR	UK SIC 2007 codes (DCMS, 2010: 18)	ISIC codes - Rev. 4 - 4 digits	Portuguese CAE - Rev 3 codes - 5 digits	Description of Economic Activity (CAE - Rev. 3) - 5 digits *	SOC2000 - occupational UK codes (DCMS, 2010: 23)	ISCO - 08 codes - 4 digits	Occupational Code (Portuguese CPP 2010) - 5 digits	Code and Description - Portuguese CPP 2010**	
CORE CREATIVE Sectors (SIC codes) and CREATIVE Occupations (SOC codes)	1. ADVERTISING and MARKETING	73.11 - Advertising	7310	73 731 7311 73110 7312 73120 7320 732 7320 73200	Advertising, market research and public opinion polling Advertising Advertising agencies Advertising agencies Media representation Media representation Market research and public opinion polling Market research and public opinion polling Market research and public opinion polling	1134 - Advertising and public relations managers 3543 - Marketing associate professionals 3433 - Public Relations Officers	1221 1221.1 1221.2 1222 1222.1 1222.2 2431 2431.0 2432 2432.0 4227 4227.0	122 1221 1221.1 1221.2 1222 1222.1 1222.2 2431 2431.0 2432 2432.0 4227 4227.0	122 - Sales, marketing and development managers 1221 - Sales and marketing managers 1221.1 - Sales manager 1221.2 - Marketing manager 1222 - Advertising and public relations managers 1222.1 - Advertising manager 1222.2 - Public relations manager 2431 - Advertising and marketing professionals 2431.0 - Advertising and marketing professional 2432 - Public relations professionals 2432.0 - Public relations professional 4227 - Survey and market research interviewers 4227.0 - Survey and market research interviewer
	2. ARCHITECTURE	71.11 - Architectural activities	7110	7111 71110 741 7410 74100	Architectural activities Architectural activities Specialised design activities Specialised design activities Specialised design activities	2431 - Architects 2432 - Town planners 3121 - Architectural technologists and town planning technicians	2161 2161.0 2162 2162.0 2164 2164.0 2165 2165.1 2165.2	2161 2161.0 2162 2162.0 2164 2164.0 2165 2165.1 2165.2	2161 - Building architects 2161.0 - Building architect 2162 - Landscape architects 2162.0 - Landscape architects 2164 - Town and traffic planners 2164.0 - Town and traffic planner 2165 - Cartographers and surveyors 2165.1 - Cartographer and land surveyor 2165.2 - Topographer and related professionals
		74.10 - Specialised design activities [4.5% of the UK code]	7410		[4.5% of the code taken]				
	3. ARTS and ANTIQUES	47.78/1 - Retail sale in commercial art galleries 47.79/1 - Retail sale of antiques including antique books, in stores	4774	47790	Retail sale of second-hand goods in specialized stores				No codes match this sector (DCMS, 2010: 23).
	4. CRAFTS	Majority of businesses too small to be picked up in business surveys (DCMS, 2010a: 20)				5496 - Floral arrangers/florists 5499 - Hand craft occupations n.e.c. 5494 - Musical instrument makers and tuners 5495 - Goldsmiths, silversmiths, precious stone workers 5491 - Glass and ceramics makers, decorators and finishers 8112 - Glass and Ceramics process operatives	6113 6113.2 6113.3 6113.4 7311 7311.0 7312 7312.0 7313 7313.1 7313.2 7313.3 7314 7314.1 7314.2 7314.3 7315 7315.1 7315.2 7315.3 7316 7316.1 7316.2	6113 6113.2 6113.3 6113.4 731 7311 7311.0 7312 7312.0 7313 7313.1 7313.2 7313.3 7314 7314.1 7314.2 7314.3 7315 7315.1 7315.2 7315.3 7316 7316.1 7316.2	6113 - Gardeners, horticultural and nursery growers 6113.2 - Floriculturist 6113.3 - Nurseryman 6113.4 - Gardening skilled worker 731 - Handicraft workers 7311 - Precision-instrument makers and repairers 7311.0 - Precision-instrument maker and repairer 7312 - Musical instrument makers and tuners 7312.0 - Musical instrument maker and tuner 7313 - Jewellery and precious-metal workers 7313.1 - Jeweller/ jewellery worker 7313.2 - Filigree worker 7313.3 - Other jewellery and precious-metal workers 7314 - Potters and related workers 7314.1 - Potter 7314.2 - Modeller and formist of ceramics 7314.3 - Other potters and related workers 7315 - Glass makers, cutters, grinders and finishers 7315.1 - Glass maker 7315.2 - Glass cutter 7315.3 - Glass grinder and finisher 7316 - Sign writers, decorative painters, engravers and etchers 7316.1 - Sign writer, engraver and etcher in glass, ceramics and other materials 7316.2 - Decorative painter in glass, ceramics and other materials

						7317	7317	7317 - Handicraft workers in wood, basketry and related materials
							7317.1	7317.1 - Handicraft worker in wood
							7317.2	7317.2 - Handicraft worker in basketry and related materials
					5492 - Furniture makers, other craft woodworkers		752	752 - Wood treaters, cabinet-makers and related trades workers
						7521	7521	7521 - Wood treaters
							7521.1	7521.1 - Wood treater
							7521.2	7521.2 - Cork treater
						7522	7522	7522 - Cabinet-makers and related workers
							7522.1	7522.1 - Cabinet-maker
							7522.2	7522.2 - Cooper, carpenter and related workers
					9121 - Labourers in Building and Woodworking trades [5% of the UK code]	7523	7523	7523 - Woodworking-machine tool setters and related workers
							7523.1	7523.1 - Operator of machinery and equipment for woodworking
							7523.2	7523.2 - Operators of machinery and equipment for working cork
								[5% of the codes taken]
						7318	7318	7318 - Handicraft workers in textile, leather and related materials
							7318.1	7318.1 - Handicraft worker in textile, manual embroidery and tapestry
							7318.2	7318.2 - Handicraft workers in leather
							7318.3	7318.3 - Other handicraft workers in textile, leather and related materials
						7319	7319	7319 - Handicraft workers not elsewhere classified
							7319.0	classified
					5493 - Pattern makers (moulds)	7531	7531	7531 - Tailors, dressmakers, furriers and hatters
							7531.1	7531.1 - Tailor and Dressmaker
							7531.2	7531.2 - Furrier
							7531.3	7531.3 - Hatter
						7532	7532	7532 - Garment and related pattern-makers and cutters
							7532.1	7532.1 - Garment/ Textile pattern-maker and cutter
							7532.2	7532.2 - Leather pattern-maker and cutter
5. DESIGN	74.10 - Specialised design activities [89.7% of the UK code]	7410	741 7410 74100	Specialised design activities Specialised design activities Specialised design activities [89.7% of the code taken]	3411 - Artists	2651	265 2651 2651.1 2651.2 2651.3 2651.4	265 - Creative and performing artists 2651 - Visual artists 2651.1 - Sculptor 2651.2 - Art Painter 2651.3 - Caricaturist 2651.4 - Other visual artists
					3422 - Product, Clothing and related designers [93.9% of the UK code]	2163	2163 2163.1 2163.2	2163 - Product and garment designers 2163.1 - Industrial Product/ Equipment designer 2163.2 - Textile and fashion designer
								[93.9% of the code taken]

				3421 - Graphic designers	2166	2166.3 2166.0	2163.3 - Interior, spaces and environments designer 2166 - Graphic and multimedia designers 2166.0 - Graphic and multimedia designer
				2126 - Design and Development engineers	3432	3432.0	3432 - Interior designers and decorators 3432.0 - Decorator
6. DESIGNER FASHION	Clothing manufacturing UK SIC 2007 codes: 14.11, 14.12, 14.13, 14.14, 14.19, 14.20, 14.31, 14.39, 15.12, 15.20 [0.5% of the UK codes]		[0.5% of the codes taken]				
		1410	14	Manufacture of wearing apparel	3422 - Product, Clothing and related designers	2163	2163 - Product and garment designers
			141	Manufacture of wearing apparel, except fur apparel	[6.1% of the UK code]	2163.1	2163.1 - Industrial Product/ Equipment designer
			1411	Manufacture of leather clothes		2163.2	2163.2 - Textile and fashion designer
			14110	Manufacture of leather clothes			[6.1% of the codes taken]
			1412	Manufacture of workwear			
			14120	Manufacture of workwear			
			1413	Manufacture of other outerwear		7533	7533 - Sewing, embroidery and related workers
			14131	Manufacture of other ready-to-wear outerwear		7533.1	7533.1 - Embroidery worker
			14132	Manufacture of other made-to-measure outerwear		7533.2	7533.2 - Sewing worker and related professionals
			14133	Finishing activities of wearing apparel			
			1414	Manufacture of underwear			
			14140	Manufacture of underwear	5411 - Weavers and knitters		
			1419	Manufacture of other wearing apparel and accessories			
			14190	Manufacture of other wearing apparel and accessories			
		1420	142	Manufacture of articles of fur			
			1420	Manufacture of articles of fur			
			14200	Manufacture of articles of fur			
		1430	143	Manufacture of knitted and crocheted apparel			
			1431	Manufacture of knitted and crocheted hosiery			
			14310	Manufacture of knitted and crocheted hosiery			
			1439	Manufacture of other knitted and crocheted apparel			
			14390	Manufacture of other knitted and crocheted apparel			
		1512	1512	Manufacture of luggage, handbags and the like, saddlery and harness			
			15120	Manufacture of luggage, handbags and the like, saddlery and harness			
		1520	152	Footwear industry			
			1520	Footwear industry			
			15201	Manufacture of footwear			
			15202	Manufacture of parts of footwear			
				[5.8% of the code taken]			
			741	Specialised design activities			
	74.10 - Specialised design activities	7410	7410	Specialised design activities			
	[5.8% of the UK code]		74100	Specialised design activities			

7. VIDEO, FILM and PHOTOGRAPHY	59.11/1 & 59.11/2 - Motion picture and video production activities	5911	591	591 - Motion picture, video and television programme activities	3434 - Photographers and audio-visual equipment operators	3431	3431	3431 - Photographers
			5911	5911 - Motion picture, video and television programme production activities			3431.0	3431.0 - Photographer
			59110	59110 - Motion picture, video and television programme production activities			3521	3521 - Broadcasting and audiovisual technicians
	59.12 - Motion picture, video & TV post-production activities	5912	5912	5912 - Motion picture, video and television programme post-production activities			3521.2	3521.2 - Audiovisual technician
			59120	59120 - Motion picture, video and television programme post-production activities			3521.3	3521.3 - Audiovisual recording technician
	59.13/1 & 59.13/2 - Motion picture and video distribution activities	5913	5913	5913 - Motion picture, video and television programme distribution activities			3435	3435 - Other artistic and cultural associate professionals
			59130	59130 - Motion picture, video and television programme distribution activities			3435.2	3435.2 - Other technicians of intermediate level on cultural and artistic activities
	59.14 - Motion picture projection activities	5914	5914	5914 - Motion picture projection activities				
			59140	59140 - Motion picture projection activities				
				[25% of the code taken]				
	74.20 - Photographic activities	7420	742	742 - Photographic activities				
	[25% of the UK code]		7420	7420 - Photographic activities				
			74200	74200 - Photographic activities				
	18.20 - Reproduction of video recording	1820	182	182 - Reproduction of recorded media				
	[10% of UK code]		1820	1820 - Reproduction of recorded media				
			18200	18200 - Reproduction of recorded media				
13. RADIO and TV	60.10 - Radio broadcasting	6010	60	60 - Radio and television activities	3432 - Broadcasting associate professionals	3522	3522	3522 - Telecommunications engineering technicians
			601	601 - Radio activities			3522.0	3522.0 - Telecommunications technician
			60100	60100 - Radio activities			3521	3521 - Broadcasting and audiovisual technicians
	60.20 - Television programming and broadcasting activities	6020	602	602 - Television activities			3521.1	3521.1 - Broadcasting technician
	59.11/3 - TV production activities							
59.12 - Motion picture, video & TV post-production activities								
59.13/3 - TV distribution activities								
9 & 10. MUSIC and the VISUAL & PERFORMING ARTS	59.20 - Sound recording and music publishing activities	5920	592	592 - Sound recording and music publishing activities	3415 - Musicians	2652	2652	2652 - Musicians, singers and composers
			5920	5920 - Sound recording and music publishing activities			2652.1	2652.1 - Composer
	18.20 - Reproduction of sound recording						2652.2	2652.2 - Musician
	[10% of UK code]						2652.3	2652.3 - Singer

	90.01 - Performing arts		90	Creative, arts, artistic and literary activities	3413 - Actors, entertainers	2655	2655	2655 - Actors
	90.02 - Support activities to performing arts	9000	900	Creative, arts, artistic and literary activities			2655.0	2655.0 - Actor
	90.03 - Artistic creation		9001	Performing arts				
	90.04 - Operation of arts facilities		90010	Performing arts		2653	2653	2653 - Dancers and choreographers
			9002	Support activities to performing arts	3414 - Dancers and choreographers		2653.1	2653.1 - Dancer
			90020	Support activities to performing arts			2653.2	2653.2 - Choreographer
			9003	Artistic and literary creation				
			90030	Artistic and literary creation	3412 - Authors, writers	2641	2641	2641 - Authors and related writers
	78.10/1 - Motion picture, television and other theatrical casting		9004	Operation of arts facilities			2641.0	2641.0 - Author and writer
			90040	Operation of arts facilities				
					3416 - Arts officers, producers and directors	2654	2654	2654 - Film, stage and related directors and producers
							2654.1	2654.1 - Film and theater director
							2654.2	2654.2 - Stage Director
							2654.3	2654.3 - Film and theater producer
							2654.4	2654.4 - Television and radio producer and director
							2654.5	2654.5 - Photography and sound director, assembler and related professionals
						2656	2656	2656 - Announcers on radio, television and other media
11. PUBLISHING	58.11 - Book Publishing		58	58 - Publishing activities	3431 - Journalists, newspaper and periodical editors	2642	2642	2642 - Journalists
			581	581 - Publishing of books, periodicals and other publishing activities			2642.0	2642.0 - Journalist
	58.13 - Publishing of newspapers	5811	5811	5811 - Book publishing		2643	2643	2643 - Philologists, translators, interpreters and other linguists
			58110	58110 - Book publishing			2643.1	2643.1 - Philologist
			5812	5812 - Publishing of directories and mailing lists	5421 - Originators, composers and print preparers		2643.2	2643.2 - Translator
	58.14 - Publishing of journals and periodicals		58120	58120 - Publishing of directories and mailing lists			2643.3	2643.3 - Interpreter and other linguists
			5813	5813 - Publishing of newspapers	5422 - Printers		732	732 - Printing trades workers
			58130	58130 - Publishing of newspapers				
	58.19 - Other publishing activities		5814	5814 - Publishing of journals and periodicals		7321	7321	7321 - Pre-press technicians
			58140	58140 - Publishing of journals and periodicals	5423 - Bookbinders and Print finishers		7321.0	7321.0 - Pre-press technician
	[50% of the UK code]	5819	5819	5819 - Other publishing activities			7322	7322 - Printers
			58190	58190 - Other publishing activities			7322.1	7322.1 - Screen printer and related professionals
			743	Translation and interpretation activities	5424 - Screen Printers		7322.2	7322.2 - Other printers/ printing technicians
			74300	Translation and interpretation activities		7323	7323	7323 - Print finishing and binding workers
			639	639 - Other information service activities			7323.1	7323.1 - Bookbinder/ binding worker
	63.91 - News agency activities	6391	6391	6391 - News agency activities			7323.2	7323.2 - Other print finishing and binding workers
			63910	63910 - News agency activities				
			6399	6399 - Other information service activities n.e.c.				
			63990	63990 - Other information service activities n.e.c.				

8 & 12. SOFTWARE & ELECTRONIC PUBLISHING	62.01/2 - Business and domestic software development	5820	582	582 - Software publishing	1136 - Information and Communication Technology managers				
			5821	5821 - Publishing of computer games		25	25 - Computer systems designers and analysts		
			58210	58210 - Publishing of computer games		251	251 - Software, Web and applications analysts and programmers		
			5829	5829 - Other software publishing		2511	2511.0 - Systems analysts		
			58290	58290 - Other software publishing		2512	2512.0 - Software programmers/ developers		
		62.02 - Computer consultancy activities				62	62 - Computer programming, consultancy and related activities	2513	2513.0 - Web and multimedia programmers/ developers
						6201	6201 - Computer programming activities	2514	2514.0 - Applications programmers
						62010	62010 - Computer programming activities	2519	2519.0 - Software and applications developers and analysts not elsewhere classified
						6202	6202 - Computer consultancy activities	252	252 - Database and network professionals
						62020	62020 - Computer consultancy activities	2521	2521.0 - Database designers and administrators
58.29 - Other software publishing				6203	6203 - Computer facilities management activities	2522	2522.0 - Systems administrators		
				62030	62030 - Computer facilities management activities	2523	2523.0 - Computer network professionals		
	58.21 - Publishing of computer games				6209	6209 - Other information technology and computer service activities	2529	2529.0 - Database and network professionals not elsewhere classified	
					62090	62090 - Other information technology and computer service activities			
			62.01/1 - Ready-made interactive leisure and entertainment software development					1330	1330 - Information and communications technology service managers
							1330.0	1330.0 - Information and communications technology service managers	
		18.20 - Reproduction of recorded media							
8 & 12. DIGITAL & ENTERTAINMENT MEDIA	18.20 - Reproduction of recorded media				2131 - IT strategy and planning professionals				
	[5% of UK code]								

Note: The selection of codes is of the responsibility of the authors, according to their interpretation of DCMS (2010a: 18, 24) selection of industrial (UK SIC 2007) and occupational (UK SOC 2000) codes.

Source: DCMS (2010a) "Creative Industries Economic Estimates – December 2010 (Experimental statistics) - Full Statistical Release", available online at: http://www.culture.gov.uk/images/research/CIEE_Full_Release_Dec2010.pdf [accessed April 2012].

Table A8: Combined industry and occupation-based approach adapted by the authors

	ECONOMIC SECTOR	ISIC codes - Rev. 4 - 4 digits	Portuguese CAE - Rev 3 codes - 5 digits	Description of Economic Activity (CAE - Rev. 3) - 5 digits*	ISCO - 08 codes - 4 digits	Occupational Code (Portuguese CPP 2010) - 5 digits	Code and Description - Portuguese CPP 2010**	
CORE CREATIVE SECTORS (SIC codes) and CREATIVE OCCUPATIONS (SOC codes)	ADVERTISING and MARKETING	7310	73	Advertising, market research and public opinion polling	1221	122	122 - Sales, marketing and development managers	
			731	Advertising		1221	1221	1221 - Sales and marketing managers
			7311	Advertising agencies		1221.1	1221.1	1221.1 - Sales manager
			73110	Advertising agencies		1221.2	1221.2	1221.2 - Marketing manager
			7312	Media representation		1222	1222	1222 - Advertising and public relations managers
			73120	Media representation		1222.1	1222.1	1222.1 - Advertising manager
			732	Market research and public opinion polling		1222.2	1222.2	1222.2 - Public relations manager
			7320	Market research and public opinion polling		2431	2431	2431 - Advertising and marketing professionals
			73200	Market research and public opinion polling		2431.0	2431.0	2431.0 - Advertising and marketing professional
						2432	2432	2432 - Public relations professionals
				2432.0	2432.0	2432.0 - Public relations professional		
				4227	4227	4227 - Survey and market research interviewers		
				4227.0	4227.0	4227.0 - Survey and market research interviewer		
		ARCHITECTURE	7110	7111	Architectural activities	2161	2161	2161 - Building architects
				71110	Architectural activities	2161.0	2161.0	2161.0 - Building architect
						2162	2162	2162 - Landscape architects
						2162.0	2162.0	2162.0 - Landscape architects
						2164	2164	2164 - Town and traffic planners
						2164.0	2164.0	2164.0 - Town and traffic planner
						2165	2165	2165 - Cartographers and surveyors
				2165.1	2165.1	2165.1 - Cartographer and land surveyor		
				2165.2	2165.2	2165.2 - Topographer and related professionals		
				3118	3118	3118 - Draughtspersons and related professionals		
				3118.0	3118.0	3118.0 - Draughtsperson		
	DESIGN and VISUAL ARTS	7410	741	Specialised design activities	2651	2651	2651 - Visual artists	
			7410	Specialised design activities		2651.1	2651.1	2651.1 - Sculptor
			74100	Specialised design activities		2651.2	2651.2	2651.2 - Art Painter
						2651.3	2651.3	2651.3 - Caricaturist
						2651.4	2651.4	2651.4 - Other visual artists
						2163	2163	2163 - Product and garment designers
						2163.1	2163.1	2163.1 - Industrial Product/ Equipment designer
						2163.2	2163.2	2163.2 - Textile and fashion designer
						2163.3	2163.3	2163.3 - Interior, spaces and environments designer
						2166	2166	2166 - Graphic and multimedia designers
				2166.0	2166.0	2166.0 - Graphic and multimedia designer		
				3432	3432	3432 - Interior designers and decorators		
				3432.0	3432.0	3432.0 - Decorator		
	CRAFTS			No CAE codes match this sector. Majority of Portuguese SIC codes - CAE - Rev 3 - refer to manufacturing industries and are not appropriate to measure craftwork and handcraft activities.	7311	731	731 - Handicraft workers	
					7311	7311	7311 - Precision-instrument makers and repairers	
					7311.0	7311.0	7311.0 - Precision-instrument maker and repairer	
					7312	7312	7312 - Musical instrument makers and tuners	
					7312.0	7312.0	7312.0 - Musical instrument maker and tuner	
					7313	7313	7313 - Jewellery and precious-metal workers	
					7313.1	7313.1	7313.1 - Jeweller/ jewellery worker	
					7313.2	7313.2	7313.2 - Filigree worker	
					7313.3	7313.3	7313.3 - Other jewellery and precious-metal workers	
					7314	7314	7314 - Potters and related workers [5% of the codes]	
					7314.1	7314.1	7314.1 - Potter	
					7314.2	7314.2	7314.2 - Modeller and formist of ceramics	
					7314.3	7314.3	7314.3 - Other potters and related workers	

				7315	7315	7315 - Glass makers, cutters, grinders and finishers [5% of the codes]
					7315.1	7315.1 - Glass maker
					7315.2	7315.2 - Glass cutter
					7315.3	7315.3 - Glass grinder and finisher
				7316	7316	7316 - Sign writers, decorative painters, engravers and etchers
					7316.1	7316.1 - Sign writer, engraver and etcher in glass, ceramics and other materials
					7316.2	7316.2 - Decorative painter in glass, ceramics and other materials
				7317	7317	7317 - Handicraft workers in wood, basketry and related materials
					7317.1	7317.1 - Handicraft worker in wood
					7317.2	7317.2 - Handicraft worker in basketry and related materials
				7522	7522	7522 - Cabinet-makers and related workers [5% of the codes]
					7522.1	7522.1 - Cabinet-maker
					7522.2	7522.2 - Cooper, carpenter and related workers
				7318	7318	7318 - Handicraft workers in textile, leather and related materials
					7318.1	7318.1 - Handicraft worker in textile, manual embroidery and tapestry
					7318.2	7318.2 - Handicraft workers in leather
					7318.3	7318.3 - Other handicraft workers in textile, leather and related materials
				7319	7319	7319 - Handicraft workers not elsewhere classified
					7319.0	7319.0 - Handicraft workers not elsewhere classified
				7531	7531	7531 - Tailors, dressmakers, furriers and hatters
					7531.1	7531.1 - Tailor and Dressmaker
					7531.2	7531.2 - Furrier
					7531.3	7531.3 - Hatter
FILM, VIDEO and PHOTOGRAPHY		591	591 - Motion picture, video and television programme activities	2654	2654	2654 - Film, stage and related directors and producers
	5911	5911	5911 - Motion picture, video and television programme production activities		2654.1	2654.1 - Film and theater director
		59110	59110 - Motion picture, video and television programme production activities		2654.2	2654.2 - Stage Director
	5912	5912	5912 - Motion picture, video and television programme post-production activities		2654.3	2654.3 - Film and theater producer
		59120	59120 - Motion picture, video and television programme post-production activities		2654.5	2654.5 - Photography and sound director, assembler and related professionals
	5913	5913	5913 - Motion picture, video and television programme distribution activities	3521	3521	3521 - Broadcasting and audiovisual technicians
		59130	59130 - Motion picture, video and television programme distribution activities		3521.3	3521.3 - Audiovisual recording technician
	5914	5914	5914 - Motion picture projection activities		3435	3435 - Other artistic and cultural associate professionals
		742	742 - Photographic activities		3435.2	3435.2 - Other technicians of intermediate level on cultural and artistic activities
		74200	74200 - Photographic activities	3431	3431	3431 - Photographers
					3431.0	3431.0 - Photographer

TV and RADIO	6010	60	60 - Radio and television activities	2656	2656	2656 - Announcers on radio, television and other media				
		601	601 - Radio activities			2656.0	2656.0	2656.0 - Speaker and announcer on radio, television and other media		
		6010	6010 - Radio activities			2654	2654	2654 - Film, stage and related directors and producers		
		60100	60100 - Radio activities					2654.4	2654.4 - Television and radio producer and director	
		602	602 - Television activities					3522	3522	3522 - Telecommunications engineering technicians
		6020	6020 - Television activities							3522.0
60200	60200 - Television activities	3521	3521	3521 - Broadcasting and audiovisual technicians						
				3521.1	3521.1 - Broadcasting technician					
				3521.2	3521.2 - Audiovisual technician					
MUSIC & PERFORMING ARTS	5920	592	592 - Sound recording and music publishing activities	2652	2652	2652 - Musicians, singers and composers				
		5920	5920 - Sound recording and music publishing activities			2652.1	2652.1 - Composer			
		59200	59200 - Sound recording and music publishing activities			2652.2	2652.2 - Musician			
	9000	90	90 - Creative, arts, artistic and literary activities	2653	2653	2653 - Dancers and choreographers				
		900	900 - Creative, arts, artistic and literary activities			2653.1	2653.1 - Dancer			
		9001	9001 - Performing arts			2653.2	2653.2 - Choreographer			
		90010	90010 - Performing arts			2655	2655	2655 - Actors		
		9002	9002 - Support activities to performing arts					2655.0	2655.0 - Actor	
		90020	90020 - Support activities to performing arts							
		9003	9003 - Artistic and literary creation			2659	2659	2659 - Creative and performing artists not elsewhere classified		
		90030	90030 - Artistic and literary creation					2659.1	2659.1 - Disk Jockey	
		9004	9004 - Operation of arts facilities					2659.2	2659.2 - Other creative and performing artists not elsewhere classified	
		90040	90040 - Operation of arts facilities							
	9321	9321 - Activities of amusement parks and theme parks	3434	3434	3434 - Chefs					
	93210	93210 - Activities of amusement parks and theme parks			3434.0	3434.0 - Chef				
	9329	9329 - Other amusement and recreation activities			3435	3435	3435 - Other artistic and cultural associate professionals			
93291	93291 - Bullfighting activities	3435.1					3435.1 - Bullfighter, bullfighting rider and other related professionals			
93292	93292 - Recreational harbours (marinas) activities									
93293	93293 - Organization of tourist animation activities									
93294	93294 - Other amusement and recreational activities n.e.c.									

PUBLISHING						
		581	581 - Publishing of books, periodicals and other publishing activities		264	264 - Authors, journalists and linguists
	5811	5811	5811 - Book publishing	2641	2641	2641 - Authors and related writers
		58110	58110 - Book publishing		2641.0	2641.0 - Author and writer
	5812	5812	5812 - Publishing of directories and mailing lists	2642	2642	2642 - Journalists
		58120	58120 - Publishing of directories and mailing lists		2642.0	2642.0 - Journalist
		5813	5813 - Publishing of newspapers			2643 - Philologists, translators, interpreters and other linguists
		58130	58130 - Publishing of newspapers	2643	2643	
	5813	5814	5814 - Publishing of journals and periodicals		2643.1	2643.1 - Philologist
		58140	58140 - Publishing of journals and periodicals		2643.2	2643.2 - Translator
	5819	5819	5819 - Other publishing activities		2643.3	2643.3 - Interpreter and other linguists
		58190	58190 - Other publishing activities			
		743	Translation and interpretation activities	7321	732	732 - Printing preparing trades workers
	7490	7430	Translation and interpretation activities		7321	7321 - Pre-press technicians
		74300	Translation and interpretation activities		7321.0	7321.0 - Pre-press technician
		91	Libraries, archives, museums and other cultural activities		262	262 - Archivists, museum curators and related information professionals
		910	Libraries, archives, museums and other cultural activities	2621	2621	2621 - Archivists and museum curators
	9101	9101	Library and archives activities		2621.1	2621.1 - Archivist
		91011	Library activities		2621.2	2621.2 - Museum curator
		91012	Archives activities			
		9102	Museums activities	2622	2622	2622 - Librarians and other related information professionals
		91020	Museums activities		2622.0	2622.0 - Librarians and other related information professionals
	9102	9103	Historical sites, buildings and similar visitor attractions activities			
		91030	Historical sites, buildings and similar visitor attractions activities	3433	3433	3433 - Gallery, museum and library technicians
	9103	9104	Botanical and zoological gardens, aquaria, parks and nature reserves activities		3433.0	3433.0 - Technicians of galleries, libraries, archives and museums
		91041	Botanical and zoological gardens and aquaria activities			
		91042	Parks and nature reserves activities			
		639	639 - Other information service activities			
	6391	6391	6391 - News agency activities			
		63910	63910 - News agency activities			
	6399	6399	6399 - Other information service activities n.e.c.			
		63990	63990 - Other information service activities n.e.c.			
SOFTWARE, ELECTRONIC PUBLISHING and COMPUTING/ IT CONSULTANCY	5820	582	582 - Software publishing		25	25 - Computer systems designers and analysts
		5821	5821 - Publishing of computer games		251	251 - Software, Web and applications analysts and programmers
		58210	58210 - Publishing of computer games	2511	2511.0	2511.0 - Systems analysts
		5829	5829 - Other software publishing	2512	2512.0	2512.0 - Software programmers/ developers
		58290	58290 - Other software publishing	2513	2513.0	2513.0 - Web and multimedia programmers/ developers

		62	62 - Computer programming, consultancy and related activities	2514	2514.0	2514.0 - Applications programmers
	6201	6201	6201 - Computer programming activities	2519	2519.0	2519.0 - Software and applications developers and analysts not elsewhere classified
		62010	62010 - Computer programming activities			
		6202	6202 - Computer consultancy activities		252	252 - Database and network professionals
		62020	62020 - Computer consultancy activities	2521	2521.0	2521.0 - Database designers and administrators
	6202	6203	6203 - Computer facilities management activities	2522	2522.0	2522.0 - Systems administrators
		62030	62030 - Computer facilities management activities	2523	2523.0	2523.0 - Computer network professionals
	6209	6209	6209 - Other information technology and computer service activities	2529	2529.0	2529.0 - Database and network professionals not elsewhere classified
		62090	62090 - Other information technology and computer service activities			
		631	631 - Data processing, hosting and related activities; web portals		1330	1330 - Information and communications technology service managers
					1330.0	1330.0 - Information and communications technology service managers
	6311	6311	6311 - Data processing, hosting and related activities		351	351 - Information and communications technology operations and user support technicians
		63110	63110 - Data processing, hosting and related activities	3511	3511	3511 - Information and communications technology operations technicians
					3511.0	3511.0 - Information and communications technology operations technician
	6312	6312	6312 - Web portals		3512	3512 - Information and communications technology user support technicians
		63120	63120 - Web portals	3512	3512	3512 - Information and communications technology user support technicians
					3512.0	3512.0 - Information and communications technology user support technician
				3513	3513	3513 - Computer network and systems technicians
					3513.0	3513.0 - Computer network and systems technician
				3514	3514	3514 - Web technicians
					3514.0	3514.0 - Web technician
RESEARCH & DEVELOPMENT (R&D)		72	Scientific research and development			
	7210	721	Research and experimental development on natural sciences and engineering		211	211 - Physicists, chemists and related professionals
		7211	Research and experimental development on biotechnology	2111	2111	2111 - Physicists and astronomers
		72110	Research and experimental development on biotechnology		2111.1	2111.1 - Physicist
		7219	Other research and experimental development on natural sciences and engineering		2111.2	2111.2 - Astronomer
		72190	Other research and experimental development on natural sciences and engineering		2112.0	2112.0 - Meteorologist
	7220	722	Research and experimental development on social sciences and humanities		2113.0	2113.0 - Chemist
		7220	Research and experimental development on social sciences and humanities	2114	2114	2114 - Geologists, geophysicists and oceanographers
		72200	Research and experimental development on social sciences and humanities		2114.1	2114.1 - Geologist
					2114.2	2114.2 - Geophysicist
					2114.3	2114.3 - Oceanographer
					212	212 - Mathematicians, statisticians and related professionals
				2120	2120	2120 - Mathematicians, statisticians and related professionals
				2120.1	2120.1 - Mathematician	
				2120.2	2120.2 - Actuary	
				2120.3	2120.3 - Statistician and Demographer	

						214	214 - Engineering professionals (excluding electrotechnology)
				2141	2141.0	2141.0 - Industrial and production engineer	
				2142	2142	2142 - Civil engineers	
					2142.1	2142.1 - Building construction engineer	
					2142.2	2142.2 - Civil engineering works engineer	
					2143.0	2143.0 - Environmental engineer	
					2144.0	2144.0 - Mechanical engineer	
					2145.0	2145.0 - Chemical engineer	
				2146	2146	2146 - Mining engineers, metallurgists and related professionals	
					2146.1	2146.1 - Mining engineer	
					2146.2	2146.2 - Metallurgical engineer	
					2146.3	2146.3 - Other engineers associated with mining and metallurgy	
						2149.0 - Engineering professionals not elsewhere classified	
					2149.0		
					215	215 - Electrotechnology engineers	
				2151	2151.0	2151.0 - Electrical engineer	
				2152	2152.0	2152.0 - Electronics engineer	
				2153	2153.0	2153.0 - Telecommunications engineer	
					213	213 - Life science professionals	
				2131	2131	2131 - Biologists, botanists, zoologists and related professionals	
					2131.1	2131.1 - Biologist	
					2131.2	2131.2 - Botanist	
					2131.3	2131.3 - Zoologist	
					2131.4	2131.4 - Pharmacologist and other related professionals	
				2132	2132	2132 - Farming, forestry and fisheries advisers	
					2132.1	2132.1 - Agronomic engineer	
					2132.2	2132.2 - Forestry engineer	
					2132.3	2132.3 - Fisheries activities advisers	
				2133	2133	2133.0 - Environmental protection professionals	
					23	23 - Teachers and teaching professionals	
				2310	2310	2310 - University and higher education teachers	
					2310.0	2310.0 - University and higher education teacher	
					263	263 - Social Science and Religion related professionals	
				2631	2631	2631 - Economists	
					2631.0	2631.0 - Economist	
				2632	2632	2632 - Sociologists, anthropologists and related professionals	
					2632.1	2632.1 - Sociologist	
					2632.2	2632.2 - Geographer	
					2632.3	2632.3 - Archeologist	
					2632.4	2632.4 - Anthropologist and related professionals	
				2633	2633	2633 - Philosophers, historians and political scientists	
					2633.1	2633.1 - Philosopher	
					2633.2	2633.2 - Historian	
					2633.3	2633.3 - Specialist in political science	
				2634	2634	2634 - Psychologists	
					2634.0	2634.0 - Psychologist	