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Cultural occupations in Italy¹

Piro Dishnica

Abstract

The main contribution of this report is the updating of the work and the context for cultural occupations, in terms of evolution, relations and mapping to ISCO-08 based on the recent release of the Italian Statistical Classification of Occupations (April 2011), developed by Istat. This work defines the cultural domains that have been selected, and structures two types of semantic metadata (producer's statistical metadata and users' metadata) and tries to bring them together. Other than supplying inputs and technical description on recent evolutions the matter of cultural occupations in Italy (as requested by the ESSnet project), this report makes possible to use a common language that is recognised by Member States, in order to produce and publish a base of comparable cultural occupation data and metadata at four digit (instead of three) in the near future. Moreover, it might be helpful to the continuous development of the Information System of Occupations (released by Istat on fall 2010) when considering the increase and extension of the number and type of users and their requirements for data and metadata on the matter of cultural occupations (from statistical and non statistical viewpoint).

Keywords: culture, statistical classification, criterion, occupations, skill, tasks, ISCO-08, users.

1. Statistical Classification and the Information system of Occupations

The classification variable described in the Italian Statistical Classification of Occupations is the occupation. Jobs are the observable units assigned to one unique category of the classification of occupations without reference to any other observable unit. The statistical unit, the job, is defined as a set of activities carried out concretely by the individuals that request skills, competencies, identities and proper statuses characterised by a high degree of similarity criteria.

1.1 Criterion

Skill level:

It contains **the formal education and previous and demonstrated experience** (different from formal education). These first set of measures used remain the same as in the previous edition (2001). They are combined with four operating measures of skill specialisation.

It is to be noted that skill level, in the Italian Statistical Classification of Occupations, is an attribute of occupations and not an attribute of the particular individuals who hold jobs in those occupations. To classify the occupation "Museum curator and conservator" (2.5.4.5.3) to a given skill level in the Classification structure it is necessary to consider the amount of formal education and the

¹ Report presented to the ESSnet Culture meeting, Luxembourg, June 8th, 2011.

ESSnet Culture = European Statistical System Network Project on culture statistics development. Objectives of the project: a) collaborate with Eurostat in the identification, collation, analysis and dissemination of cultural statistics that are comparable at European level b) support developments in cultural statistics and encourage Member States to get involved in the production of comparable data at European level, c) to establish a permanent system of coherent and comparable statistical information on culture, d) to link these to the socio-economic development of Member States, e) to conclude on relevant indicators reflecting the cultural diversity in Europe based on definitions as well as on monitoring and evaluating cultural policies. The four themes of work were: -Framework and definitions (Task Force 1), -Financing and expenditures (Task Force 2), -Cultural industries (Task Force 3) and Cultural participation and social aspects (Task Force 4).

This report is prepared in the framework of the Task Force 3: Cultural Industries (including cultural occupations). It represents the views of the author and does not necessarily reflect the opinions of Istat.

demonstrated experience that is usually required for an individual to gain entry to that occupation. In other terms, when coding jobs to the Classification it is not relevant whether a given or particular individual working as a “Museum curator and conservator” has this amount of formal education or training or practiced relevant experience or qualification. Nor is it relevant whether the individual is an extremely competent, an average, or a scarce museum curator and/or conservator. Finally, it is important to note as well that, for some occupations, registration or licensing may be required. The individual's job would be classified to the occupation “Museum curator and conservator” and the job would be assigned that Classification code (5th level of the second major group).² In the context of Culture domain, some occupations such as visual arts and crafts professionals, designers, authors, musicians, film, TV, radio and stage directors, actors, dancers, media presenters, etc. (may) require high levels of creative talent, interests or personal specific commitment as well as or in place of formal qualification or demonstrated relevant experience in terms of a given number of years. In this latter, the particular artistic skills and competencies prevail (such as the talent for painting and drawing, musical talent, creativity, acting talent, imitative ability, trend and fashion and consciousness, etc.). That means, no specific classification coding on this matter (talents or artistic skills) is built.

Entry requirements:

As it is known, the determination of the skill level of each occupation requires some subjective judgement. As a result of the 2011 updating of the Italian Statistical Classification of Occupations, the skill level statements provided in the occupation and group definitions represent the best judgement of the coordination group (Istat and Isfol - the Institute for workers vocational training development) and should be interpreted as indicative only.

The four skill levels in the Italian Statistical Classification of Occupations are defined as follows:

Skill Level 1 (corresponding to the major group 8 of the classification)

Most occupations have a level of skill commensurate with a core literacy degree (primary school graduation) or higher qualification.

Skill Level 2 (corresponding to the major groups 4, 5, 6 and 7 of the classification)

Most occupations have a level of skill commensurate with a compulsory school completion (actually it is 10 years of academic school) which is composed by lower secondary school graduation, the first two years of upper secondary school plus any kind of eventual of vocational training qualification (short term).

Skill Level 3 (corresponding to the major group 3 and eventually 1 of the classification)

Most occupations have a level of skill commensurate with an Upper secondary school graduation (5 year), post upper secondary school qualification, University graduation (short and medium cycle).

Skill Level 4 (corresponding to the major group 2 and eventually 1 of the classification)

Most occupations have a level of skill commensurate with an University graduation (long duration), post-university qualification (conditional to university graduation).

It is important to note that although the newly released statistical classification on occupations applies the same criterion on skill level as in the previous version, judgements about the actual skill level of an occupation may not always concur with the views of all users. In some instances it has been necessary to place occupations in major groups which may have a higher or lower skill level, since a very rigid application of the skill level criterion would result in very dissimilar or dissimilar occupations being grouped together, i.e. grouping at the same skill level the occupations corresponding to an upper secondary school graduation to the ones referring to a short or medium university graduation.

Skill specialisation:

The definition of skill specialisation remains unchanged from the previous edition of the classification. It includes reference to non-production based operations referred as “goods or services

² Second major group: Intellectual, scientific and highly specialized professions.

provided". For example, in the culture domain, tools and equipment can also include all forms of computer-based equipment, personal interaction, and art or design techniques. Materials worked on can also include data and individual or group service.

The four dimensions which comprise the skill specialisation are defined as follows:

Field of knowledge required: This is the subject matter knowledge which is essential for satisfactory performance of the tasks of an occupation.

Tools and equipment used: This includes all forms of plant, machinery, computer-based equipment or hand tools used in the performance of the tasks, as well as intellectual tools such as personal interaction, and art or design techniques.

Materials worked on: This refers to materials of both a concrete and abstract nature which are extracted, processed, transformed, refined or fabricated as an essential part of the tasks performed. Examples of materials worked on include wood, metal, textile, paper, accounting data, text, people and organisations.

Goods or services provided: This refers to the end product of the performance of the tasks of an occupation including physical goods, personal or other services, or abstract goods such as a software application or (statistical) information.

The Classification has a structure which defines some groups of categories as subdivisions of others. The strategy is to arrange the content in such a way that aggregations of the most detailed categories in the set are based upon similarity criteria that are meaningful for statistical and other analytic comparisons. The rule is that when the main activities carried out concretely by the individuals (as referred in ISCO-88: tasks and duties of a set of jobs) are characterized by a high degree of similarity, then these jobs are classified to the same detailed category. These set of activities define an occupation, which is the designation for the most detailed element in the set of categories of this classification. The structure of the 2011 Classification makes possible to identify relevant individual categories uniquely and separately, starting from the lowest, 5th digit code (level), yet still be able to present statistics for meaningful broader groupings. Explicit statements of tasks (and so on for other levels on the basis of similarity criteria used for aggregation) and detailed explanations are the basis for drawing distinctions between groups are supplied, trying to avoid as much as possible how to classify and understand cases not explicitly dealt with when defining the scope of the different groups. The 6th level of the classification lists the most common and detailed skills and competences in terms of specialisation being part of³ (painters and sculptors). No tasks or descriptions are developed at this point. Occupations Units including "nec" professionals (not elsewhere classified) do not exist (in terms of occupations included in this or that group).

The logic that the Classification makes use is the similarity criteria to define higher level categories. As already mentioned, the main similarity criteria are the skill level and skill specializations needed to carry out the activities of the jobs, where skill level is kept as the main criterion to delineate the most aggregate categories, while skill specialization is used to delineate the more detailed categories within the aggregate categories. The actual classification is articulated on 5 levels of aggregation: the first level represents the most synthetic one, i.e. 9 major groups and then the second level contains 37 occupation groups subdivided in 129 classes (third level). The fourth level and the fifth one are respectively structured in 511 categories and 800 occupation units. At their turn, the

³ This list can not be considered exhaustive. In reference to the occupation unit "Painters and sculptors" (code 2.5.5.1.1) there are the following 6th level items:

2.5.5.1.1.0 etcher artist	2.5.5.1.1.7 statue maker
2.5.5.1.1.1 watercolour painter	2.5.5.1.1.8 painter
2.5.5.1.1.2 collage maker	2.5.5.1.1.9 sculptor in wax
2.5.5.1.1.3 miniaturist	2.5.5.1.1.10 plastic art sculptor (gypsum)
2.5.5.1.1.4 landscape painter	2.5.5.1.1.11 relief sculptor (wood)
2.5.5.1.1.5 engraver artist	2.5.5.1.1.12 relief sculptor (marble)
2.5.5.1.1.6 sculptor	2.5.5.1.1.13 relief sculptor (engraver)

occupation units (the lowest level of the classification) can be considered as the closest units to the existing professions (in their all meaning and degree of detail as skills and/or competencies) the Classification developed for statistical purposes may provide in order to map the labour market running professions.

The overall content of the Classification is shown as in the following table:

Table 1 - The statistical classification of occupations, culture occupation units and items (year 2011)

Description	Major Groups	Groups	Classes	Categories	Occupation units	Of which "culture"	Items	Of which "culture"
Legislators, managers and entrepreneurs	1	3	8	49	67	8	341	49
Intellectual, scientific and highly specialized professions	1	6	16	78	175	46	1011	334
Technical professions	1	4	20	98	160	23	872	162
Clerks	1	4	8	30	30	2	237	18
Qualified professions in commerce and service activities	1	4	15	46	63	6	450	42
Crafts professionals, specialized workers and farmers	1	5	23	101	170	20	1.711	265
Plant conductors and half qualified workers of fixed and mobile machines	1	4	23	80	104	1	1.575	2
Non qualified professions	1	4	13	26	28	3	443	38
Armed forces	1	3	3	3	3	-	62	-
Total	9	37	129	511	800	109	6.702	910

Source: Istat (www.istat.it)

The Italian statistical classification of occupations (existing from 1951 year) is described on the basis of one to one or "simple" model describing mappings to ISCO-08 at 3rd level in terms of comparability (cross-national). No direct relations to NACE or other variables stay behind the model. It remains a difficult process the cross-national comparison, due to eventual misinterpretations. Actually, the Classification provides detailed descriptions at each item of its 5th level (occupation unit). This becomes crucial when mappings from national level are carried out to ISCO-08. The classification allows better to examine in some detail the nature of these mappings, with particular attention to "culture". Otherwise, in the resulting statistical data one cannot then distinguish between statistical differences which arise from differences in the interpretation of the classification and the differences between countries in terms of their skill structure. The 80,2% of items of the actual edition of the Classification refer to the previous edition. The Labour Force Survey remains the main source for updating the statistical classification of occupations (6,1%) followed by administrative records on "contracts", 5,6% and the Commission of the classification, 3,5%.

Testing of the Classification

By means of a sample survey on occupations (2006/2007 and 2011/2012), the classification is submitted under a testing process.⁴ Twenty occupied persons per each of 800 Classification occupation units are CAPI interviewed. The minimum and maximum number of questions varies from 283 to 448, some questions are conditional to some others prior ones. The survey is carried out in order to identify the information concerning the occupation as in the following list:

1. skill level (necessary skills in order to carry out correctly the requested work);
2. skill specialisation (competencies used while exercising the profession in connection to the tasks assigned);

⁴ The theoretical model adopted to describe occupations -derived from the U.S. department of Labour experience on O*net (Peterson et al., 1999).

3. attitudes to work;
4. work values and work styles;
6. generalised work activities;
7. work context and specific/detailed work activities.

1.2 Relationships between the Statistical Classification and the Information System of Occupations (released on fall 2010)

Thanks to the recent developments of web technology, the information system on occupations comes out from the opportunity to make available and to bring together all information collected on occupations from a large group of public entities. The concept of the project is to share in areas of significance other than they have been created, various types of information that frame the social and economic context as well as the conditions under which the occupations are practically created and performed and exercised within the domestic labour market.⁵ Thus, the information system of occupations as well as the statistical classification become a focal point and a source of information on the various aspects of professions and it is related to the job seekers, job offers, helping both employers to define the set of skills and competencies required for a job, support the development of new employment and training initiatives, provide a common reference for institutions and stakeholders in the labour market and education sector at national and regional level throughout the country, improve access to information on what type of occupation is available, and the gap between the needed entry requirements in terms of skill and competence to profess a given job and the concrete amount of knowledge and experience in possess of a given jobseeker.

There may be a number of possible entry routes in the Information system of occupations, and in these cases the occupation and group definitions attempt to identify the entry routes, the reasons and the users. Aiming to answer how, one may find that some users need statistics according to the classification to determine who and how many will be impacted by policies or programmes being considered

⁵ The project is the result of a long process of intra-institutional collaboration between the National Statistical Institute (Istat) and the Institute for workers vocational training development (Isfol) and represents one of the main Isfol's activities in monitoring the occupational needs. The necessary condition to take part in the system is that the information that one organization agrees to render available to the public is still organized or may be organized according to the current edition of the Classification of Occupations released by ISTAT in collaboration with Isfol: in fact, this is the standard by which the participating bodies, as soon as have agreed upon the release of their information, this latter becomes sharable within the information system.

The bodies/partners who contribute to the information system of occupations are:

- the Ministry of Labour and Social Policy;
- the Ministry of Education, University and Research;
- the National Statistical Institute of Statistics (ISTAT), the developer and custodian of the statistical classification of occupations
- the Institute for workers vocational training development (Isfol);
- the National Insurance Institute on Labour accidents (INAIL);
- the Chambers of Commerce Union;
- the Basilicata Region;
- the Regulatory authority (professional register) of agro-technicians and graduated agrotechnicians.

There are two basic aspects that characterize the entire information system of occupations: from one side, the information released by the system where it "resides" is "accessed" through the websites of the provider organization. By doing so, the owner keeps its visibility and accountability, and from the other side, these sites, at the same time constitute the gateways to the information system as a whole. Both of these aspects define the information system of the occupations in terms of a browsing environment running under systems designed and developed for different purposes. This solution facilitates the sharing of information available by each of these systems with important extension possibilities towards the increased number of users.

The project's target:

- statisticians/experts (producers/users of the statistical classification on occupations) – having the *awareness* on the matter;
- researchers coming from the universities and education (educational offer)
- individuals, job seekers
- operators and labour market analysts (existing and new)
- agencies and consultants on the matter of professional orientation (existing and new)
- employers, entrepreneurs and social security institutes;
- persons looking for a given vocational education.

From the information system point of view, the users (not necessarily statistical) can be grouped on at least in two main types or categories:

- statistical users (the classification is a well known tool and understood in different aspects), in other terms, these are aware experts who are familiar to the use of standard statistical classification on occupations directly as it proposed by the information system;
- non-statistical users that, for obvious reasons, have a greater interest and willingness to interact with the information system through simple lists, so they prefer to have a list rather than a very articulated classification (as it should be from the statistical point of view).

(i.e. education reform, training and education orientation, etc.); others need these statistics to implement policies; others want to monitor the consequences of policies and programmes and others want to make use of the classification when offering or seeking job within the Italian market labour, including the cultural occupational sectors (entirely cultural, mainly or poorly). In all cases, as it is known, aiming to answer who are the users and their expectations require instigating a search. It is very important to note that as soon as the number and type of users (and their respective needs) increase, the classification's representations relations and the in-depth research on the matter become a significant responsibility for the classification's custodian (as producer) for the present and for the future development of the classification. Moving through "traditional" users of a statistical classification of occupations to "new and diversified" users of an Information system of occupations is a big challenge.⁶

The Italian statistical standard classification of occupations, despite its simple model (one to one) and beside the mapping to ISCO (International Classification Standard of Occupations) in the framework of cross-national comparisons, in the case when it should be used by a large set of users interested in mapping their needs (not necessarily based to a one to one model and resulting statistics), it requires further research and actions in order to become even more direct or to make possible the integration of other parameters, starting with the sector of activity, the size of the unit where the work is done, etc.. The existing model should be revised and eventually re-modelled.

2. Culture occupations

In Italy, a definition of culture for statistical purposes doesn't exist.

However, the Italian Statistical Yearbook on culture provides the main statistical data on production, distribution and to cultural participation in Italy. It describes the phenomena and trends that characterize the cultural sector supplying knowledge on the current situation and providing inputs for the analysis of various players and the cultural activities in Italy. In particular, this yearbook contains information on:

1. cultural heritage (administrative information on museums, galleries, monuments, archaeological sites and museum circuits, designed to describe the main features of museums, the users and related incomes);
2. archives (administrative data on the distribution, features, management methods and the users of the State archives system);
3. publishing (statistical survey data collection on the matter of print publishing books in Italy);
4. libraries (administrative data on the public library system and in particular on the material preserved, the services provided and the level of use);
5. live performing (administrative data on theatrical and musical performances and the related audience);
6. audio video media (administrative information on the major AV media communication means such as television, radio and cinema);
7. sport (administrative data on levels of participation in various sport activities and events).

In addition to, in correspondence to the above mentioned domains, data on cultural consumption are published. These statistical results are measured by means of a statistical yearly sampling survey on households "Aspects of Daily Life " and other household surveys.

⁶ Testing the information system of occupations from this point of view, means to demonstrate that more reliable information requested by the users can be obtained by using several questions/terms with system response categories (search engines) which need to be combined to generate the corresponding unit/category of the classification requested (of which culture domains are part of). When using categories as jumping levels to search the needed item of the statistical classification, it is expected a more reliable response result if the labels referring to skills and competencies are chosen to correspond to every-day language rather than the technical language used in the statistical classifications and the unit of measure of it (occupation unit), as the technical terms' more precise meaning may not be understood correctly by a (significant) proportion of users.

2.1 Culture domains

In that context, in order to delineate the set of “culture” occupations in the framework of the European research, the primary statistical source is the classification of occupations and its detailed descriptions based on the given criteria as well as the users’ requirements (with their pros and cons). The other input is the list of goods and services that really help for that selection. Other mappings between CPA, CN and NACE are attentively consulted. The Final report of the LEG (2000) and the 2009 UNESCO manual on culture – recently approved and published - have been considered and studied as well.

Without pretending to determine the boundaries of culture (in terms of a definition for statistical purposes), but considering that at this stage of the ESSnet Culture research and its main provisional or intermediate outcomes, a broad list of professions dealing directly or in association with other non cultural occupations would help to get closer to national running models and practices on the matter and of course contribute or learn better during the feasibility demonstrations of the European research.

Culture goods and services are mainly matter of the following domains:⁷

- Audio video Media (distribution included) – Film, television and radio
- Archaeology
- Restoration (works of art, historical objects)
- Fine arts and design (arts)
- Music and performing arts
- Musical instrument making, repair and maintenance
- Stage design and event technology
- Pre-press, print and bookbinding
- Publishing and literature
- Photography
- Craftwork
- Archives, libraries, museums
- Education: pedagogy and teaching methodology
- Translating and interpreting
- Journalism
- Architectural maintenance and landscape design
- Fashion design and artistic exhibition
- General artistic knowledge and skills
- Cultural and media management

The 5th level of statistical classification of occupations is the reference system of this report. Mappings to ISCO-08 (both from the skill level and skill specialisation) are provided. Some information is provided in order to understand better this edition of classification in relation to the previous one. All descriptions are translated in English, trying to keep as much as possible simple and clear most of the main tasks. It is possible to mark most of the basic action verbs, but this is not definitively completed. In order to facilitate the information system users’ requirements, the thesaurus of skills and competencies per each “culture” occupation unit (5th level) is structured as descriptive metadata or term, taking into account user’s semantic metadata, with aim to put together (statistical) producer semantic metadata and information system users’ semantic metadata in order make more easier the understanding of this report.

At the date of preparing this report, no data are available from the Labour Force survey that map the new edition of classification of occupations (2011) and the classification of economic activities

⁷ For the purpose of this report, the domain is used in order to group various dimensions of culture conceptually. Domains consist of an aggregation of activities, industries, artistic disciplines, products and occupations that can be helpful for various analysis as well as end user requirements. But, they are not defined by any of them. In particular, they are not the sum total of related classification codes. These conceptual categories – at this high level of aggregation – may be comparable at international level as well.

(NACE REV. 2). However, data from the same survey dealing with the previous edition of classification of occupations and the NACE 2002 are presented in the annex. They show the economic activities corresponded to each category (4th digit) of classification on occupations as declared by the interviewed occupied persons. In order to facilitate the understanding of the reader, mappings to the occupation units of the new edition of classification of occupations are made (obviously for the occupation units remained unchanged between the previous edition and the new one). The corresponding economic activities are listed in descending order. Some of them are presented, representing generally 50-60 percent of cumulative frequency. Other selected NACE items are listed as well showing the respective range out of the total of economic activities listed per each category code of occupation classification.

2.1.1 Audio video Media (distribution included) - Film, television and radio

- Occupations (5th digit code, Updating Year: 2011, measure of unit: occupation unit).
Title, skill level (entry requirement), Description (included tasks), eventual and type of updating with regard to the previous edition of classification, Mappings to ISCO-08 (3rd digit – Istat and 4th digit from the author):

Italian Classification Code (5th level)	Title (occupation unit)	Skill level and other eventual specific entry requirements (culture)	Description (included tasks)	Updating Vs previous edition	ISCO-08 code
3.1.2.6.2	Broadcast transmitter technicians	Upper secondary school graduation (5 year), post upper secondary school qualification, University graduation (short and medium cycle)	The professions included in this unit: - install the equipments and electronic systems to transmit radio and television programs - calibrate equipment and electronic systems to transmit radio and television programs and - use equipment and electronic systems to transmit radio and television programs and - control the level and quality of image and sound during the transmission.	Description further tuned	352
3.1.7.2.1	Technicians of audio-video equipment and video-film footage	Upper secondary school graduation (5 year), post upper secondary school qualification, University graduation (short and medium cycle)	The professions included in this unit: - set up the equipments for shot and the audio and video broadcasting, - calibrate the equipments for the shot and the audio and video broadcasting, - use the equipments for the shot and the audio and video broadcasting - connect the equipments for the shot and the audio and video broadcasting; - perform TV or movie shot.	No changes	352
3.1.7.2.2	Sound technicians	Upper secondary school graduation (5 year), post upper secondary school qualification, University graduation (short and medium cycle)	The professions included in this unit: - record music, voices, sounds and sound effects (use devices and systems) - synchronize music, voices, sounds and sound effects (use devices and systems) - mix music, voice, sound and sound effects (use devices and systems) - reproduce music, voices, sounds and sound effects (use devices and systems) in sport or recreational activities of various kinds, in theatrical productions, radio and television and film, in recording studios.	No changes	352
3.1.7.2.3	Audio-video-film assembling technicians	Upper secondary school graduation (5 year), post upper secondary school qualification, University graduation (short and medium cycle)	The professions included in this unit: - set up television, film and sound shots - perform and adapt television, film and sound shots.	No changes	352
ISCO-08 code 3521	Broadcasting and audio-visual technicians	First stage of tertiary education 5B, 1st, 2nd qualifications (short or medium duration)	Broadcasting and audio-visual technicians control technical functioning of equipment to record and edit images and sound and for transmitting radio and television broadcasts of images and sounds, as well as other types of telecommunication signals on land, sea or in aircraft.		352

2. Structure User Metadata:
 - camera technology;
 - television and video technology;
 - sound technology;
 - computer graphics and computer animation;
 - dubbing (film and video technology);
 - editing (film and video technology);
 - special film genres;
 - storyboarding (film and animation).

3. Related areas/items:
 - Media (research);
 - Multimedia and informatics;
 - Information and journalism;
 - Cultural and media management;
 - Sales, advertising, public relations;
 - History of art;
 - Internet multimedia;
 - Publishing products.

4. Comments:
 - Relation to culture (in terms of aggregated occupation unit data reporting):

entirely direct	x	entirely hidden		partially	
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Broadcast technicians are classified at the same class with audio-visual technicians for the purpose of this report on culture occupations. It is obvious that these occupations are part of the area of communications engineering (electrical engineering) and not the AV media in a strict sense. In terms of user metadata, the structure relates to the domains of broadcast and reception technology, radio broadcast and radio technology (high frequency technology).

The correspondence table of culture occupations by categories (4th level) and occupation units (5th level) to ISCO-08 codes is supplied in the annex (Table 2).

Reference to NACE REV. 2: The data available from the Labour Force survey that map the new edition of classification of occupations (2011) and the classification of economic activities (NACE REV. 2) are not yet available. However, data from the same survey dealing with the previous edition of classification of occupations and the NACE 2002 are presented in the annex (Table 3).

2.1.2 Fine arts

1. Occupations (5th digit code, Updating Year: 2011, measure of unit: occupation unit).
Title, skill level (entry requirement), Description (included tasks), eventual and type of updating with regard to the previous edition of classification, Mappings to ISCO-08 (3rd digit –Istat and 4th digit from the author):

Italian Classif. code (5th level)	Title (occupation unit)	Skill level and other eventual specific entry requirements (culture)	Description (included tasks)	Updating Vs previous edition	ISCO-08 code
2.5.5.1.1	Painters and sculptors	University graduation (long duration), post-university qualification (conditional to univ. graduation)	The professions included in this unit: - conduct research on ways of knowledge and aesthetic representation, - create and perform works of art, painting, drawing and sculpting with different techniques, - create and perform original representations of reality.	divided Title only	265
2.5.5.1.2	Art designers and illustrators	University graduation (long duration), post-university qualification (conditional to univ. graduation)	The professions included in this unit: - provide services and artistic commercial products, - provide drawings for advertising, - provide prototypes for consumer goods using techniques, knowledge and artistic skills.	divided, new title	265
ISCO-08 code 2651	Visual artists	First stage of tertiary education 5A, 1st degree (medium duration) 5A, 1st degree (long) 5A, 2nd degree Second stage of tertiary education (leading to an advanced research qualification)	Visual artists create and execute works of art by sculpting, painting, drawing, creating cartoons, engraving or using other techniques.		265
2.6.5.5.1	Teachers of visual arts	University graduation (long duration), post-university qualification (conditional to univ. graduation)	The professions included in this unit: - teach, with lessons for individuals or small groups, the theory and practice of artistic disciplines include: (painting) (sculpture) (photography) and (graphics) outside the mainstream of schooling and educational institutions.	Upgrade and description further tuned	235
ISCO-08 code 2355	Other arts teachers	First stage of tertiary education 5A, 1st degree (medium duration) 5A, 1st degree (long) 5A, 2nd degree Second stage of tertiary education (leading to an advanced research qualification)	Other arts teachers teach students in the practice, theory and performance of dance, drama, visual and other arts (excluding music) outside the mainstream primary, secondary and higher education systems, but may provide private or small group tuition as an extra curricular activity in association with mainstream educational institutions		235
3.4.4.3.3	Calligraphy appraisals	Upper secondary school graduation (5 year), post upper secondary school qualification, University graduation (short and medium cycle)	The professions included in this unit: - attribute a writing and - determine the authenticity applying testing and evaluation knowledge on the shape and design of the characters.	No changes	331
ISCO-08 code 3315	Valuers and loss assessors	First stage of tertiary education 5B, 1st, 2nd qualifications (short or medium duration)	Valuers and loss assessors value property and various goods and assess losses covered by insurance policies.		331

2. Structure User Metadata:

- Calligraphy;
- drawing (art);
- fine art painting;
- glass painting;
- graphic reproduction;
- media art;
- relief painting;
- sculpture (fine arts).

3. Related areas/items:
 - Photography;
 - General artistic knowledge and skills;
 - Architectural maintenance and landscape design;
 - history of art.

4. Comments:
 - Relation to culture (in terms of aggregated occupation unit data reporting):

entirely direct	x	entirely hidden		partially	x
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The correspondence table of culture occupations by categories (4th level) and occupation units (5th level) to ISCO-08 codes is supplied in the annex (Table 2).

Reference to NACE REV. 2: The data available from the Labour Force survey that map the new edition of classification of occupations (2011) and the classification of economic activities (NACE REV. 2) are not yet available. However, data from the same survey dealing with the previous edition of classification of occupations and the NACE 2002 are presented in the annex (Table 3).

2.1.3 Design (arts)

1. Occupations (5th digit code, Updating Year: 2011, measure of unit: occupation unit)
 Title, skill level (entry requirement), Description (included tasks), eventual and type of updating with regard to the previous edition of classification, Mappings to ISCO-08 (3rd digit –Istat and 4th digit from the author):

Italian Classif. Code (5th level)	Title (occupation unit)	Skill level and other eventual specific entry requirements (culture)	Description (included tasks)	Updating Vs previous edition	ISCO-08 code
2.5.5.1.4	Commercial artists (fashion excluded)	University graduation (long duration), post-university qualification (conditional- to univ. graduation)	The professions included in this unit: - produce sketches, drawings, detail drawings and - perform graphics finalized to the design of new industrial products or to the restyling of products already on the market, using various techniques of artistic design.	title and description further detailed	216
ISCO-08 code 2166	Graphic and multimedia designers	First stage of tertiary education 5A, 1st degree (medium duration) 5A, 1st degree (long) 5A, 2nd degree Second stage of tertiary education (leading to an advanced research qualification)	Graphic and multimedia designers design information content for visual and audio communication, publication and display using print, film, electronic, digital and other forms of visual and audio media. They create special effects, animation, or other visual images for use in computer games, movies, music videos, print media and advertisements.		216
3.4.4.1.1	Graphic designers	Upper secondary school graduation (5 year), post upper secondary school qualification, University graduation (short and medium cycle)	The professions included in this unit: - produce sketches, drawings, detail drawings and - perform graphics finalized to the communication and advertising illustration, using various techniques of artistic design.	title only	216
ISCO-08 code 2166	Graphic and multimedia designers	First stage of tertiary education 5B, 1st, 2nd qualifications (short or medium duration)	Graphic and multimedia designers design information content for visual and audio communication, publication and display using print, film, electronic, digital and other forms of visual and audio media. They create special effects, animation, or other visual images for use in computer games, movies, music videos, print media and advertisements.		216

2. Structure User Metadata:
 - communication design;
 - graphic design;
 - industrial design;
 - multimedia and web design;
 - trade-fair and exhibition design.

3. Related areas/items:
 - Audio video media - (TV, film and radio);
 - Architectural maintenance and landscape design;
 - Photography;
 - Fashion design.

4. Comments:

Relation to culture (in terms of aggregated occupation unit data reporting):

entirely direct	x	entirely hidden		partially	X advertising
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The correspondence table of culture occupations by categories (4th level) and occupation units (5th level) to ISCO-08 codes is supplied in the annex (Table 2).

Reference to NACE REV. 2: The data available from the Labour Force survey that map the new edition of classification of occupations (2011) and the classification of economic activities (NACE REV. 2) are not yet available. However, data from the same survey dealing with the previous edition of classification of occupations and the NACE 2002 are presented in the annex (Table 3).

2.1.4 Music and performing arts

1. Occupations (5th digit code, Updating Year: 2011, measure of unit: occupation unit).
Title, skill level (entry requirement), Description (included tasks), eventual and type of updating with regard to the previous edition of classification, Mappings to ISCO-08 (3rd digit –Istat and 4th digit from the author):

Italian Classif. Code (5th level)	Title (occupation unit)	Skill level and other eventual specific entry requirements (culture)	Description (included tasks)	Updating Vs previous edition	ISCO -08 code
2.5.5.2.2	Actors	University graduation (long duration), post-university qualification (conditional to univ. graduation) Talents in culture (specific skills and competencies) are included at Actors, entertainers, animators	The professions included in this unit: - portray characters and roles to be represented. Actors portray roles in motion pictures, radio or television productions and stage shows.	No changes	265
ISCO-08 code 2655	Actors	First stage of tertiary education 5A, 1st degree (medium duration) 5A, 1st degree (long) 5A, 2nd degree Second stage of tertiary education (leading to an advanced research qualification)	Actors portray roles in motion pictures, television or radio productions and stage shows.		265
2.5.5.2.4	Screenwriters	University graduation (long duration), post-university qualification (conditional to univ. graduation)	The professions included in this unit: - create subjects considering the theatrical, film, television and radio action.	No changes	265
2.5.5.2.5	Scenographers	University graduation (long duration), post-university qualification (conditional to univ. graduation)	The professions included in this unit: - Design scenes for television, film, theatre and other public representations and - Perform scenes for television, film, theatre and other public performances.	No changes	265
2.5.5.3.1	Choreographers	University graduation (long duration), post-university qualification (conditional to univ. graduation)	The professions included in this unit: - Conduct research on ways of the aesthetic representation in area of choreography; - Conceive and create ballets.	No changes	265
2.5.5.3.2	Dancers	University graduation (long duration), post-university qualification (conditional to univ. graduation)	The professions included in this unit: - Perform a ballet solo or with partners, - Interpret (by means of dances) the meanings of narratives or music compositions and parts.	No changes	265
ISCO-08 code 2653	Dancers and choreographers	First stage of tertiary education 5A, 1st degree (medium duration) 5A, 1st degree (long) 5A, 2nd degree Second stage of tertiary education (leading to an advanced research qualification)	Dancers and choreographers conceive and create or perform dances.		265

Table - continued

Italian Classif. Code (5th level)	Title (occupation unit)	Skill level and other eventual specific entry requirements (culture)	Description (included tasks)	Updating Vs previous edition	ISCO -08 code
2.5.5.4.1	Composers	University graduation (long duration), post-university qualification (conditional to univ. graduation)	The professions included in this unit: - Conduct research on ways of the aesthetic representation in music; - Conceive (design) and create songs and compositions.	No changes	265
2.5.5.4.2	Orchestra Conductors and Choral Director	University graduation (long duration), post-university qualification (conditional to univ. graduation)	The professions included in this unit: - Conduct research on ways of the aesthetic representation in music; - Directing choirs and orchestras playing the music to be performed; - Apply the knowledge in the field of music in order to arrange and adapt songs.	No changes	265
2.5.5.4.3	Instrumentalists	University graduation (long duration), post-university qualification (conditional to univ. graduation)	The professions included in this unit: - Interpret and execute scores, concerts, songs using a variety of musical instruments as soloists, in orchestras or bands; - Apply the knowledge in the field of music to arrange and perform songs.	No changes	265
2.5.5.4.4	Singers	University graduation (long duration), post-university qualification (conditional to univ. graduation)	The professions included in this unit: - Conduct research on ways of the aesthetic representation in music; - Conceive songs - Interpret and perform songs and singing performances by soloists, choir, musical groups or with partners, in performance and artistic representations of various kinds, even through mass communication.	No changes	265
ISCO-08 code 2652	Musicians, singers and composers	First stage of tertiary education 5A, 1st degree (medium duration) 5A, 1st degree (long) 5A, 2nd degree Second stage of tertiary education (leading to an advanced research qualification)	Musicians, singers and composers write, arrange, conduct and perform musical compositions.		265
2.5.5.5.1	Artists of various forms of popular culture	University graduation (long duration), post-university qualification (conditional to univ. graduation)	The professions included in this unit: - interpret art performances, - Conduct acrobatic performances and - Conduct recreational performance on the streets and squares.	Upgraded, title only	265
2.5.5.5.2	Variety performance Artists	University graduation (long duration), post-university qualification (conditional to univ. graduation)	The professions included in this unit: - interpret art performances, - Conduct acrobatic performances and - Conduct recreational performance in drama, music variety and in public places.	upgraded only	265
2.5.5.5.3	Acrobats and circus performers	University graduation (long duration), post-university qualification (conditional to univ. graduation)	The professions included in this unit: - interpret art performances, - Conduct acrobatic performances and - Conduct recreational performance in the circuses.	Upgraded only	265
ISCO-08 code 2659	Creative and performing artists not elsewhere classified	First stage of tertiary education 5A, 1st degree (medium duration) 5A, 1st degree (long) 5A, 2nd degree Second stage of tertiary education (leading to an advanced research qualification)	This unit group covers all creative and performing artists not classified elsewhere in minor group 265, Creative and performing artists. For instance, the group includes clowns, magicians, acrobats and other performing artists.		265
2.6.5.5.2	Dance teachers	University graduation (long duration), post-university qualification (conditional to univ. graduation)	The professions included in this unit: - Teach, with lessons for individuals or small groups, the theory and practice of classical and modern dance outside the mainstream of schooling and educational institutions.	upgraded, title and description, further tuning	235

Table - continued

Italian Classif. Code (5th level)	Title (occupation unit)	Skill level and other eventual specific entry requirements (culture)	Description (included tasks)	Updating Vs previous edition	ISCO-08 code
2.6.5.5.3	Singing teachers	University graduation (long duration), post-university qualification (conditional to univ. graduation)	The professions included in this unit: - Teach, with lessons for individuals or small groups, the theory and technique of singing outside the mainstream of schooling and educational institutions.	upgraded, title and description, further tuning	235
2.6.5.5.4	Musical Instrument Teachers	University graduation (long duration), post-university qualification (conditional to univ. graduation)	The professions included in this unit: - Teach, with lessons for individuals or small groups, the theory and technique to play a musical instrument outside the mainstream of schooling and educational institutions.	upgraded, title and description, further tuning	235
ISCO-08 code 2354	Other music teachers	First stage of tertiary education 5A, 1st degree (medium duration) 5A, 1st degree (long) 5A, 2nd degree Second stage of tertiary education (leading to an advanced research qualification)	Other music teachers teach students in the practice, theory and performance of music outside the mainstream primary, secondary and higher education systems, but may provide private or small group tuition as an extra curricular activity in association with mainstream educational institutions.		235
ISCO-08 code 2355	Other arts teachers	First stage of tertiary education 5A, 1st degree (medium duration) 5A, 1st degree (long) 5A, 2nd degree Second stage of tertiary education (leading to an advanced research qualification)	Other arts teachers teach students in the practice, theory and performance of dance, drama, visual and other arts (excluding music) outside the mainstream primary, secondary and higher education systems, but may provide private or small group tuition as an extra curricular activity in association with mainstream educational institutions.		235
3.4.3.3.0	Entertainers	Upper secondary school graduation (5 year), post upper secondary school qualification, University graduation (short and medium cycle) Talents in culture (specific skills and competencies) are included at Actors, entertainers, animators	The professions included in this unit: - Organize recreational activities, entertainment and recreation to the public and - Care for recreation, entertainment and recreation to the public.	modified. Title and description. Other new 6th digits items are added	343
ISCO-08 code 3435	Artistic and cultural associate professionals not elsewhere classified	First stage of tertiary education 5B, 1st, 2nd qualifications (short or medium duration)	This unit group covers artistic and cultural associate professionals not classified elsewhere in Minor Group 344, Artistic, cultural and culinary associate professionals. For instance those who assist directors or actors with staging of theatrical, motion picture, television or commercial productions are classified here.		343

2. Structure User Metadata:

- Choreography;
- composition;
- conducting;
- dance;
- direction (art);
- disc jockey job;
- drama;
- dramaturgy;
- instrumental music;

- music genres;
 - prompting;
 - puppet show;
 - puppet theatre (performing arts);
 - singing;
 - speaking (performing arts);
 - stunts;
 - variety performance.
3. Related areas/items:
- theatrical studies;
 - music science;
 - music instruments;
 - theater (journalism);
 - music (journalism).

4. Comments:

Relation to culture (in terms of aggregated occupation unit data reporting):

entirely direct	x	entirely hidden		partially	
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The correspondence table of culture occupations by categories (4th level) and occupation units (5th level) to ISCO-08 codes is supplied in the annex (Table 2).

Reference to NACE REV. 2: The data available from the Labour Force survey that map the new edition of classification of occupations (2011) and the classification of economic activities (NACE REV. 2) are not yet available. However, data from the same survey dealing with the previous edition of classification of occupations and the NACE 2002 are presented in the annex (Table 3).

2.1.5 Stage design and event technology

1. Occupations (5th digit code, Updating Year: 2011, measure of unit: occupation unit).
 Title, skill level (entry requirement), Description (included tasks), eventual and type of updating with regard to the previous edition of classification, Mappings to ISCO-08 (3rd digit –Istat and 4th digit from the author):

Italian Classif. code(5th level)	Title (occupation unit)	Skill level and other eventual specific entry requirements (culture)	Description (included tasks)	Updating Vs previous edition	ISCO -08 code
3.4.4.1.2	Set and scenic construction technicians	Upper secondary school graduation (5 year), post upper secondary school qualification, University graduation (short and medium cycle)	The professions included in this unit: - Perform scenes for (Theatrical) (Film and TV productions), (Music performances) and (Other types of artistic performances).	divided, new title. See new description 2.5.5.1.2	343
ISCO-08 code 3435	Artistic and cultural associate professionals not elsewhere classified	First stage of tertiary education 5B, 1st, 2nd qualifications (short or medium duration)	This unit group covers artistic and cultural associate professionals not classified elsewhere in Minor Group 344, Artistic, cultural and culinary associate professionals. For instance those who assist directors or actors with staging of theatrical, motion picture, television or commercial productions are classified here.		343

Table - continued

Italian Classif. code(5th level)	Title (occupation unit)	Skill level and other eventual specific entry requirements (culture)	Description (included tasks)	Updating Vs previous edition	ISCO -08 code
6.5.5.1.0	Stage machinists	Compulsory school completion (actually it is 10 years of academic school)= lower secondary school graduation, the first two years of upper secondary school plus any kind of eventual of vocational training qualification (short term)	The professions included in this unit: - Produce, prepare and alternate scenes and needed settings for the performance of (a show) or (a film and television shot) or (similar performances) <u>or</u> - Deal with equipments and machines to be used by stage directors, actors and stagehands, - Run the equipments, by producing, assembling and editing scenes and settings using treadmills, panels, hatches, wagons and similar machines.	No changes	723
ISCO-08 code 7233	Agricultural and industrial machinery mechanics and repairers	FROM: Lower secondary level of education TO: Upper secondary level of education/Post-secondary, non-tertiary education	Agricultural and industrial machinery mechanics and repairers fit, install, examine, service and repair engines, agricultural and industrial machinery and mechanical equipment, except motor vehicle, aircraft and electric motors.		723
5.4.1.1.0	Masters of arts and crafts	Compulsory school completion (actually it is 10 years of academic school)= lower secondary school graduation, the first two years of upper secondary school plus any kind of eventual of vocational training qualification (short term)	The professions included in this unit: - Transfer by means of training courses or non professional training, practical knowledge to carry out repair and artisanal production of manufactured goods in the field of (tailoring), (knitwear and clothing accessories) (decoration) (ceramics), (bindery) and (jewellery) and (other activities related to local or ethnic craftwork), <u>or</u> - transfer practical knowledge, to be exercised during the free time, in activities (expressive type) <u>or</u> - transfer practical knowledge in terms of personal care and services (interior design), (antiques), (kitchen) and (make-up).	title and description, further tuning	235
ISCO-08 code 2355	Other arts teachers	FROM: Lower secondary level of education TO: Upper secondary level of education/Post-secondary, non-tertiary education	Other arts teachers teach students in the practice, theory and performance of dance, drama, visual and other arts (excluding music) outside the mainstream primary, secondary and higher education systems, but may provide private or small group tuition as an extra curricular activity in association with mainstream educational institutions.		235

2. Structure User Metadata:

- acoustic technology;
- drawing up stage and set plans;
- event decorations;
- event technology;
- film performance;
- film scenery;
- lighting technology;
- make-up;
- production design;
- props;
- stage set;
- stage technology.

3. Related areas/items:

- Studies on theatre;
- Fashion design;
- Craftwork.

4. Comments:

Relation to culture (in terms of aggregated occupation unit data reporting):

entirely direct	x	entirely hidden		partially	
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The correspondence table of culture occupations by categories (4th level) and occupation units (5th level) to ISCO-08 codes is supplied in the annex (Table 2).

Reference to NACE REV. 2: The data available from the Labour Force survey that map the new edition of classification of occupations (2011) and the classification of economic activities (NACE REV. 2) are not yet available. However, data from the same survey dealing with the previous edition of classification of occupations and the NACE 2002 are presented in the annex (Table 3).

2.1.6 Pre-press, print and bookbinding

- Occupations (5th digit code, Updating Year: 2011, measure of unit: occupation unit). Title, skill level (entry requirement), Description (included tasks), eventual and type of updating with regard to the previous edition of classification, Mappings to ISCO-08 (3rd digit –Istat and 4th digit from the author):

Italian Classif. code(5th level)	Title (occupation unit)	Skill level and other eventual specific entry requirements (culture)	Description (included tasks)	Updating Vs previous edition	ISCO-08 code
6.3.4.1.0	Pre-press tradespersons of polygraphic activities	Compulsory school completion (actually it is 10 years of academic school)= lower secondary school graduation, the first two years of upper secondary school plus any kind of eventual of vocational training qualification (short term)	The professions included in this unit: - prepare and set the text in the manual mode with movable type, mechanical or digital for printing, - impose pictures and other signs to print, - Define the image size and font, spacing and kerning, alignment, line spacing and everything else needed to have everything in a neat, legible and well organized to look or feel.	title	732
ISCO-08 code 7321	Pre-press technicians	FROM: Lower secondary level of education TO: Upper secondary level of education/Post-secondary, non-tertiary education	Pre-press technicians proof, format, set and compose text and graphics into a form suitable for use in various printing processes and representation in other visual media.		732
6.3.4.2.0	Printing machinists and offset printers	Compulsory school completion (actually it is 10 years of academic school)= lower secondary school graduation, the first two years of upper secondary school plus any kind of eventual of vocational training qualification (short term)	The professions included in this unit: - Print text, graphics, images and other materials with offset presses or other based on the impression of curved surfaces, - Care the setting of arrays, - mix the ink, - adjust machine functions during print runs or load paper into feeding machines.	No changes	732
6.3.4.3.0	Zincographic, stereotype and electrotype printing machinists	Compulsory school completion (actually it is 10 years of academic school)= lower secondary school graduation, the first two years of upper secondary school plus any kind of eventual of vocational training qualification (short term)	The professions included in this unit: - Generate the array of printing using chemical etching techniques, (Mold) or (Merger of relief printing) or (electrolytic deposit) or (electroplated).	No changes	732
6.3.4.4.2	Lithographic, gravure printing machinist and screen printers	Compulsory school completion (actually it is 10 years of academic school)= lower secondary school graduation, the first two years of upper secondary school plus any kind of eventual of vocational training qualification (short term)	The professions included in this unit: - Generate different types of printing plates using manual and chemical etching techniques, or - prepare the objects to be printed on (Silk treated with photosensitive solutions) (limestone or porous metal plates) setting, in positive, fats hydrophobic and lipophilic on the support.	title, description is completed by tasks coming from another item of the same group	732
ISCO-08 code 7322	Printers	FROM: Lower secondary level of education TO: Upper secondary level of education/Post-secondary, non-tertiary education	Printers set up and operate digital, letterpress, lithographic, flexographic, gravure, newspaper and other printing presses.		732

Table - continued

Italian Classif. Code (5th level)	Title (occupation unit)	Skill level and other eventual specific entry requirements (culture)	Description (included tasks)	Updating Vs previous edition	ISCO-08 code
6.3.4.5.0	Post-press binders and finishers	Compulsory school completion (actually it is 10 years of academic school)= lower secondary school graduation, the first two years of upper secondary school plus any kind of eventual of vocational training qualification (short term)	The professions included in this unit: - Assemble the individual sheets of printed paper, - Sew, collate individual sheets of printed paper and - Trim the individual sheets of paper printed in blocks and books - Apply covers or other types of finishes.	No changes	732
7.2.5.3.0	Conductors of machines for bookbinding and other similar publications	Compulsory school completion (actually it is 10 years of academic school)= lower secondary school graduation, the first two years of upper secondary school plus any kind of eventual of vocational training qualification (short term)	The professions included in this unit: - Plant and machinery to bind in series books, magazines and similar products. Print finishing and binding workers bind books and other publications, and finish printed products by hand or machine.	No changes	732
ISCO-08 code 7323	Print finishing and binding workers	FROM: Lower secondary level of education TO: Upper secondary level of education/Post-secondary, non-tertiary education	Print finishing and binding workers bind books and other publications, and finish printed products by hand or machine.		732

2. Structure User Metadata

prepress

- analogue proofing systems;
- colour separation;
- digital proofing systems;
- imposition (prepress);
- media integration;
- microfilming;
- platemaking;
- scanning;
- setting (prepress).

print

- copying (printing);
- monitoring the printing process and quality control;
- printing;
- printing methods;
- print on demand;
- stamp making.

bookbinding

- binding techniques (bookbinding);
- colouring edges (bookbinding);
- industrial bookbinding;
- machine bookbinding;
- making passe-partouts;
- making slipcases (bookbinding);
- produce gilt edges.

3. Related areas/items

- Printing machines.

4. Comments

Relation to culture (in terms of aggregated occupation unit data reporting):

entirely direct	x	entirely hidden		partially	
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Questions: Should the following occupation unit be considered as a culture occupation ? Going thru the descriptions one can ask what about the preparation of cardboard boxes for books published ? No specific “location” is made to such a skill and competence at the 6th level of classification. Should we check on the manufacturing of cardboard boxes in general ?

Italian Classif. code(5th level)	Title (occupation unit)	Skill level and other eventual specific entry requirements (culture)	Description (included tasks)	Updating Vs previous edition	ISCO-08 code
7.2.5.1.0	Printing machines conductors for typography and printing on paper and cardboard	Compulsory school completion (actually it is 10 years of academic school)= lower secondary school graduation, the first two years of upper secondary school plus any kind of eventual of vocational training qualification (short term)	The professions included in this unit: - Conduct plant and equipment for the printing of paper and cardboard in series or continuous mode, differently worked, for the manufacturing of industrial products and the production of articles and products (for end use) and (for industrial production); - Care for colour proofing and - Check the quality of the printing.	No changes	732

The correspondence table of culture occupations by categories (4th level) and occupation units (5th level) to ISCO-08 codes is supplied in the annex (Table 2).

Reference to NACE REV. 2: The data available from the Labour Force survey that map the new edition of classification of occupations (2011) and the classification of economic activities (NACE REV. 2) are not yet available. However, data from the same survey dealing with the previous edition of classification of occupations and the NACE 2002 are presented in the annex (Table 3).

2.1.7 Publishing and literature

- Occupations (5th digit code, Updating Year: 2011, measure of unit: occupation unit). Title, skill level (entry requirement), Description (included tasks), eventual and type of updating with regard to the previous edition of classification, Mappings to ISCO-08 (3rd digit –Istat and 4th digit from the author):

Italian Classif. Code (5th level)	Title (occupation unit)	Skill level and other eventual specific entry requirements (culture)	Description (included tasks)	Updating Vs previous edition	ISCO-08 code
2.5.4.1.1	Authors and poets	University graduation (long duration), post-university qualification (conditional to univ. graduation)	The professions included in this unit: - conceive, create stories, novels, poetry, comedies, dramas and other literary works and - make available to the public stories, novels, poetry, comedies, dramas and other literary works.	No changes	264
2.5.4.1.2	Script writers	University graduation (long duration), post-university qualification (conditional to univ. graduation)	The professions included in this unit: - write dialogue for actors in film, radio and television, - write lyrics and libretti set to music.	No changes	264
2.5.4.1.3	Advertising script editors	University graduation (long duration), post-university qualification (conditional to univ. graduation)	The professions included in this unit: - compose advertising scripts of goods and services to be disseminated via the press, radio, television and other means of mass communication.	No changes	264
2.5.4.4.2	Script Reviewers	University graduation (long duration), post-university qualification (conditional to univ. graduation)	The professions included in this unit: - critically review texts for publication applying knowledge in linguistics.	No changes	264
ISCO-08 code 2641	Authors and related writers	First stage of tertiary education 5A, 1st degree (medium duration) 5A, 1st degree (long) 5A, 2nd degree Second stage of tertiary education (leading to an advanced research qualification)	Authors and related writers plan, research and write books, scripts, storyboards, plays, essays, speeches, manuals, specifications and other non-journalistic articles (excluding material for newspapers, magazines and other periodicals) for publication or presentation.		264

2. Structure User Metadata
 - acquisition of authors;
 - advertising business;
 - editing;
 - production (publishing);
 - selection of authors;
 - special types of texts
3. Related areas/items
 - Linguistic and cultural studies;
 - journalism;
 - publishing products;
 - sales, advertising, public relations;
 - studies on media;
 - literature;
 - translation and interpretation.

4. Comments

Relation to culture (in terms of aggregated occupation unit data reporting):

entirely direct	x	entirely hidden		partially	
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The correspondence table of culture occupations by categories (4th level) and occupation units (5th level) to ISCO-08 codes is supplied in the annex (Table 2).

Reference to NACE REV. 2: The data available from the Labour Force survey that map the new edition of classification of occupations (2011) and the classification of economic activities (NACE REV. 2) are not yet available. However, data from the same survey dealing with the previous edition of classification of occupations and the NACE 2002 are presented in the annex (Table 3).

2.1.8 Photography

1. Occupations (5th digit code, Updating Year: 2011, measure of unit: occupation unit).
Title, skill level (entry requirement), Description (included tasks), eventual and type of updating with regard to the previous edition of classification, Mappings to ISCO-08 (3rd digit –Istat and 4th digit from the author):

Italian Classif. Code (5th level)	Title (occupation unit)	Skill level and other eventual specific entry requirements (culture)	Description (included tasks)	Updating Vs previous edition	ISCO- 08 code
3.1.7.1.0	Photographers and related professionals	Upper secondary school graduation (5 year), post upper secondary school qualification, University graduation (short and medium cycle)	The professions included in this unit: - photograph people, environments, objects and commercial products for purposes of art, documentary and advertising; - illustrate events or news, - reproduce, according to scientific protocols, subjects, data and phenomena subject of investigation and research; - develop the negatives, - operate activities of photo editing and manipulation of scanned images and - print the photos taken; - control and undertake the maintenance - operate with electronic and optical devices and systems.	description, further tuning	343
ISCO-08 code 3431	Photographers	First stage of tertiary education 5B, 1st, 2nd qualifications (short or medium duration)	Photographers operate still cameras to photograph people, events, scenes, materials, products and other subjects.		343

2. Structure User Metadata:
 - analogue photography;
 - digital photography;
 - lighting (photography),
 - photo databases and archives;
 - photographic assistance;
 - photo laboratory technology;
 - special areas of photography.

3. Related areas/items:
 - History of art;
 - Graphic elaborations;
 - informatics and e multimedia.

4. Comments:
Relation to culture (in terms of aggregated occupation unit data reporting):

entirely direct		entirely hidden		partially	x
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The correspondence table of culture occupations by categories (4th level) and occupation units (5th level) to ISCO-08 codes is supplied in the annex (Table 2).

Reference to NACE REV. 2: The data available from the Labour Force survey that map the new edition of classification of occupations (2011) and the classification of economic activities (NACE REV. 2) are not yet available. However, data from the same survey dealing with the previous edition of classification of occupations and the NACE 2002 are presented in the annex (Table 3).

2.1.9 Craftwork

1. Occupations (5th digit code, Updating Year: 2011, measure of unit: occupation unit).
Title, skill level (entry requirement), Description (included tasks), eventual and type of updating with regard to the previous edition of classification, Mappings to ISCO-08 (3rd digit –Istat and 4th digit from the author):

Italian Classif. code(5th level)	Title (occupation unit)	Skill level and other eventual specific entry requirements (culture)	Description (included tasks)	Updating Vs previous edition	ISCO -08 code
5.4.1.1.0	Masters of arts and crafts	Compulsory school completion (actually it is 10 years of academic school)= lower secondary school graduation, the first two years of upper secondary school plus any kind of eventual of vocational training qualification (short term)	The professions included in this unit: - Transfer by means of training courses or non professional training, practical knowledge to carry out repair and artisanal production of manufactured goods in the field of (tailoring), (knitwear and clothing accessories) (decoration) (ceramics), (bindery) and (jewelry) and (other activities related to local or ethnic craftwork), <u>or</u> - transfer practical knowledge, to be exercised during the free time, in activities (expressive type) <u>or</u> - transfer practical knowledge in terms of personal care and services (interior design), (antiques), (kitchen) and (make-up)	title and description, further tuning	235
ISCO-08 code 2355	Other arts teachers	FROM: Lower secondary level of education TO: Upper secondary level of education/Post-secondary, non-tertiary education	Other arts teachers teach students in the practice, theory and performance of dance, drama, visual and other arts (excluding music) outside the mainstream primary, secondary and higher education systems, but may provide private or small group tuition as an extra curricular activity in association with mainstream educational institutions		235
6.3.1.4.0	Watch and clock makers and repairers	Compulsory school completion (actually it is 10 years of academic school)= lower secondary school graduation, the first two years of upper secondary school plus any kind of eventual of vocational training qualification (short term)	The professions included in this unit: - Build clocks of various types and sizes; - Repair and maintain clocks of various types and sizes.	No changes	731

Table - continued

Italian Classif. code(5th level)	Title (occupation unit)	Skill level and other eventual specific entry requirements (culture)	Description (included tasks)	Updating Vs previous edition	ISCO -08 code
6.3.1.6.1	Goldsmiths	Compulsory school completion (actually it is 10 years of academic school)= lower secondary school graduation, the first two years of upper secondary school plus any kind of eventual of vocational training qualification (short term)	The professions included in this unit: - Work, even by hand, metals, precious stones and similar materials to make ornaments or - Melt, drawn, form, weld, clean and polish gold and other precious metals, handcrafted jewellery and other articles of jewellery and - Jewellery repair and other related gold articles.	title and description, further tuning	731
ISCO-08 code 7311	Precision-instrument makers and repairers	FROM: Lower secondary level of education TO: Upper secondary level of education/Post-secondary, non-tertiary education	Precision-instrument makers and repairers make, calibrate, repair, maintain, adjust and install mechanical watches, clocks, nautical, meteorological, optical, orthopaedic and other precision instruments and equipment and set them for correct performance.		731
6.3.1.6.2	Precious stone and gemstone tradespersons	Compulsory school completion (actually it is 10 years of academic school)= lower secondary school graduation, the first two years of upper secondary school plus any kind of eventual of vocational training qualification (short term)	The professions included in this unit: - work, handmade also, precious stones and similar materials to make ornaments or - cut, facet and smooth stones according to suitable formats to amplify brightness and light.	title and description, further tuning	731
6.3.1.6.3	Jewellers	Compulsory school completion (actually it is 10 years of academic school)= lower secondary school graduation, the first two years of upper secondary school plus any kind of eventual of vocational training qualification (short term)	The professions included in this unit: - Handcraft articles of jewellery, rosaries and other similar articles.	No changes	731
ISCO-08 code 7313	Jewellery and precious metal workers	FROM: Lower secondary level of education TO: Upper secondary level of education/Post-secondary, non-tertiary education	Jewellery and precious metal workers design, fabricate, adjust, repair, or appraise jewellery, ceremonial or religious items, gold, silver, other precious metals, or gems. They cut, file, polish and set precious and semi-precious stones including gems and diamonds and engrave designs on jewellery and precious metal articles. They cut and polish diamonds for industrial purposes.		731
6.3.2.2.1	Glass blowers and shapers	Compulsory school completion (actually it is 10 years of academic school)= lower secondary school graduation, the first two years of upper secondary school plus any kind of eventual of vocational training qualification (short term)	The professions included in this unit: - work to produce glass objects and artifacts of various kinds or - melt and model for blowing glass, creating objects and artefacts of artistic craftsmanship.	description, avoiding eventual mis-interpretation	731
6.3.2.3.0	Glass etchers and engravers	Compulsory school completion (actually it is 10 years of academic school)= lower secondary school graduation, the first two years of upper secondary school plus any kind of eventual of vocational training qualification (short term)	The professions included in this unit: - engrave the glass with mechanical and chemical means to create objects and articles for decorative purposes.	No changes	731
ISCO-08 code 7315	Glass makers, cutters, grinders and finishers	FROM: Lower secondary level of education TO: Upper secondary level of education/Post-secondary, non-tertiary education	Glass makers, cutters, grinders and finishers blow, mould, press, cut, trim, grind and polish glass, shape molten glass according to patterns.		731

Table - continued

Italian Classif. code(5th level)	Title (occupation unit)	Skill level and other eventual specific entry requirements (culture)	Description (included tasks)	Updating Vs previous edition	ISCO -08 code
6.3.2.4.0	Glass and ceramics painters and decorators	Compulsory school completion (actually it is 10 years of academic school)= lower secondary school graduation, the first two years of upper secondary school plus any kind of eventual of vocational training qualification (short term)	The professions included in this unit: - Decorate, - Silver, golden brown, - Lacquer, enamel and - Remodel finished in glass and ceramic artefacts.	No changes	731
ISCO-08 code 7314	Potters and related workers	FROM: Lower secondary level of education TO: Upper secondary level of education/Post-secondary, non-tertiary education	Potters and related workers prepare pottery, porcelain ware, sanitary ware, bricks, tiles and abrasive wheels by hand or by machine.		731
6.3.3.1.2	Wood engravers and carvers	Compulsory school completion (actually it is 10 years of academic school)= lower secondary school graduation, the first two years of upper secondary school plus any kind of eventual of vocational training qualification (short term)	The professions included in this unit: - Hand-craft wood and its derivatives, or - Inlay, carving and engraving on wood to make objects and artefacts or ornaments to decorate and embellish furniture, doors or other wood products; - Repair and restore furniture and decorative objects of special finish, using fine woods.	description, further tuning	731
ISCO-08 code 7316	Sign writers, decorative painters, engravers and etchers	FROM: Lower secondary level of education TO: Upper secondary level of education/Post-secondary, non-tertiary education	Sign writers, decorative painters, engravers and etchers decorate articles made of wood, metal, textiles, glass, ceramics and other materials. They plan, lay out and paint letters, figures, monograms and designs to make signs and engrave and etch ornamental and floral designs on glass and other articles.		731
6.3.3.2.1	Handcrafts professionals of artistic textile products	Compulsory school completion (actually it is 10 years of academic school)= lower secondary school graduation, the first two years of upper secondary school plus any kind of eventual of vocational training qualification (short term)	The professions included in this unit: - Hand-crafted the textile or - produce artefacts and crafts in textile, mesh or other textile fibers.	title	731
6.3.3.2.2	Handcrafts professionals of artistic leather products	Compulsory school completion (actually it is 10 years of academic school)= lower secondary school graduation, the first two years of upper secondary school plus any kind of eventual of vocational training qualification (short term)	The professions included in this unit: - Produce hand-crafted artefacts and handcrafts of leather or similar materials.	No changes	731
6.3.4.4.1	Etchers craft professionals	Compulsory school completion (actually it is 10 years of academic school)= lower secondary school graduation, the first two years of upper secondary school plus any kind of eventual of vocational training qualification (short term)	The professions included in this unit: - apply chemical etching techniques to generate different types of printing plates, or - engrave on metal plates covered with paint removing, respectively, the positive and negative images with chemical solutions.	title and description, move tasks to another existent item 6.3.4.4.2 (of the same group)	731
6.5.3.5.3	Lacemakers and hand embroiderers	Compulsory school completion (actually it is 10 years of academic school)= lower secondary school graduation, the first two years of upper secondary school plus any kind of eventual of vocational training qualification (short term)	The professions included in this unit: - Realize lace, embroidery, with threads of gold and silver bows, ribbons, beads and colourful decorations pajettes.	No changes	731

Table - continued

Italian Classif. code(5th level)	Title (occupation unit)	Skill level and other eventual specific entry requirements (culture)	Description (included tasks)	Updating Vs previous edition	ISCO -08 code
ISCO-08 code 7317	Handicraft workers in wood, basketry and related materials	FROM: Lower secondary level of education TO: Upper secondary level of education/Post-secondary, non-tertiary education	Handicraft workers in wood and related materials apply traditional techniques like seasoning, impregnation to prepare wood, straw, rattan, reeds, stone, clay, shells, and other materials, and carve, mould, assemble, weave, or paint and decorate various articles for personal or household use, or for decorative purposes. Basketry weavers, brush makers and related workers select and prepare materials like bristles, nylon, fibre, bass, whisker and wire to make wicker furniture, brushes and brooms and weave various kinds of baskets.		731
ISCO-08 code 7318	Handicraft workers in textile, leather and related materials	FROM: Lower secondary level of education TO: Upper secondary level of education/Post-secondary, non-tertiary education	Handicraft workers in textile, leather and related materials apply traditional techniques and patterns to produce woven fabrics, knitted, embroidered, woven and other garments and articles for household use, as well as traditional footwear, handbags, belts and other accessories		731
ISCO-08 code 7319	Handicraft workers not elsewhere classified	FROM: Lower secondary level of education TO: Upper secondary level of education/Post-secondary, non-tertiary education	This unit group covers handicraft workers who perform traditional handicrafts not classified elsewhere. For instance, the group includes traditional handicraft workers in non-precious metals and stone.		731

2. Structure User Metadata:

- art glass making;
- basket-weaving;
- engraving;
- folk art-handicrafts;
- gem cutting;
- gold-plating;
- horology;
- jewellery design;
- manufacture of cases and boxes;
- mineral cutting;
- mosaic work;
- painting patterns and motifs;
- precious metal working;
- silver-plating;
- toy making.

3. Related areas/items:

- Binding
- Fashion Design and artistic exhibition;
- Horology, jewellery, silk and gold objects;
- Ceramic techniques.

4. Comments:

Relation to culture (in terms of aggregated occupation unit data reporting):

entirely direct	x	entirely hidden		partially	
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The correspondence table of culture occupations by categories (4th level) and occupation units (5th level) to ISCO-08 codes is supplied in the annex (Table 2).

Reference to NACE REV. 2: The data available from the Labour Force survey that map the new edition of classification of occupations (2011) and the classification of economic activities (NACE

REV. 2) are not yet available. However, data from the same survey dealing with the previous edition of classification of occupations and the NACE 2002 are presented in the annex (Table 3).

2.1.10 Information and journalism

1. Occupations (5th digit code, Updating Year: 2011, measure of unit: occupation unit)
Title, skill level (entry requirement), Description (included tasks), eventual and type of updating with regard to the previous edition of classification, Mappings to ISCO-08 (3rd digit –Istat and 4th digit from the author):

Italian Classif. Code (5th level)	Title (occupation unit)	Skill level and other eventual specific entry requirements (culture)	Description (included tasks)	Updating Vs previous edition	ISCO-08 code
2.5.4.5.1	Archivists	University graduation (long duration), post-university ualification (conditional to univ. graduation)	The professions included in this unit: - Conduct research, - Acquire - Assess and ensure the preservation of archives and historical documents of particular interest, - Ensure the maintenance, accessibility and public enjoyment, - Make available records or historical documents of special interest on microfilm, digital media or other; - Organize promotion activities, exhibitions and events.	No changes	262
2.5.4.5.3	Museum curators and conservators	University graduation (long duration), post-university ualification (conditional to univ. graduation)	The professions included in this unit: - Conduct research, - Acquire - Assess and ensure the preservation of artifacts of historical, cultural or artistic works of art; - Make available the documents on microfilm, digital media or other; - Organize promotion activities, exhibitions and events.	No changes	262
ISCO-08 code 2621	Archivists and curators	First stage of tertiary education 5A, 1st degree (medium duration) 5A, 1st degree (long) 5A, 2nd degree Second stage of tertiary education (leading to an advanced research qualification)	Archivists and curators collect, appraise and ensure the safekeeping and preservation of the contents of archives, artefacts and records of historical, cultural, administrative and artistic interest, and of art and other objects. They plan, devise and implement systems for the safekeeping of records and historically valuable documents		262
2.5.4.5.2	Librarians	University graduation (long duration), post-university qualification (conditional to univ. graduation)	The professions included in this unit: - Provide for the indexing and cataloguing of books, - Ensure the maintenance, accessibility and public enjoyment; - Make available on microfilm, digital media or other; - Organize promotion activities, exhibitions and events.	No changes	262
ISCO-08 code 2622	Librarians and related information professionals	First stage of tertiary education 5A, 1st degree (medium duration) 5A, 1st degree (long) 5A, 2nd degree Second stage of tertiary education (leading to an advanced research qualification)	Librarians and related information professionals collect, select, develop, organize and maintain library collections and other information repositories, organize and control other library services and provide information for users.		262
3.3.1.1.2	Archive and library assistants	Upper secondary school graduation (5 year), post upper secondary school qualification, University graduation (short and medium cycle)	The professions included in this unit: - Provide administrative services to high level by classifying and storing documents and other information carriers and - Participate in research on information materials available.	No changes	343
3.4.4.2.1	Museum technicians	Upper secondary school graduation (5 year), post upper secondary school qualification, University graduation (short and medium cycle)	The professions included in this unit: - Prepare - Organize and - range models and specimens such as fossils, tools, objects of various kinds, works of art for exhibitions and museums; - Catalogue objects and works of art.	No changes	343

Table - continued

Italian Clas-sif. code(5th level)	Title (occupation unit)	Skill level and other eventual specific entry requirements (culture)	Description (included tasks)	Updating Vs previous edition	ISCO-08 code
3.4.4.2.2	Library technicians	Upper secondary school graduation (5 year), post upper secondary school qualification, University graduation (short and medium cycle)	The professions included in this unit: - Follow and advise readers in the use of catalogues, databases and indexes with which the libraries are organized; - Assist the readers in the research; - Catalogue and range books on the shelves, - Repair books and other; - Control the movement of books from and to library.	No changes	343
ISCO-08 code 3433	Gallery, museum and library technicians	First stage of tertiary education 5B,1st, 2nd qualifications (short or medium duration)	Gallery, museum and library technicians prepare artworks, specimens and artefacts for collections, arrange and construct gallery exhibits, and assist Librarians to organize and operate systems for handling recorded material and files.		343
3.4.1.5.2	Tourists guide	Upper secondary school graduation (5 year), post upper secondary school qualification, University graduation (short and medium cycle)	The professions included in this unit: - Accompany tourists on package tours, providing assistance and services to participants, - Illustrate and describe the characteristics and peculiarities of works of art, scenic routes, places of architectural and historical-artistic interest.	title	511
ISCO-08 code 5113	Travel guides	First stage of tertiary education 5B,1st, 2nd qualifications (short or medium duration)	Travel guides accompany individuals or groups on trips, sightseeing tours and excursions and on tours of places of interest such as historical sites, industrial establishments and theme parks. They describe points of interest and provide background information on interesting features.		511
5.2.3.2.0	Touristic tour conductors	Compulsory school completion (actually it is 10 years of academic school)= lower secondary school graduation, the first two years of upper secondary school plus any kind of eventual of vocational training qualification (short term)	The professions included in this unit: - Assist and accompany visitors and tourists in sightseeing tours and visits to sights, beautiful neighbourhoods and places of the city.	title	511
ISCO-08 code 5113	Travel guides	FROM: Lower secondary level of education TO: Upper secondary level of education/Post-secondary, non-tertiary education	Travel guides accompany individuals or groups on trips, sightseeing tours and excursions and on tours of places of interest such as historical sites, industrial establishments and theme parks. They describe points of interest and provide background information on interesting features.		511
4.4.2.2.0	Library employees and related professionals	Compulsory school completion (actually it is 10 years of academic school)= lower secondary school graduation, the first two years of upper secondary school plus any kind of eventual of vocational training qualification (short term)	The professions included in this unit: - Classify books and other documents - File, store, preserve and - Make available to the public library documentary materials and books.	No changes	441
ISCO-08 code 4411	Library clerks	FROM: Lower secondary level of education TO: Upper secondary level of education/Post-secondary, non-tertiary education	Library clerks issue and receive library materials, sort and shelve books, sound and vision recordings, periodicals, journals, magazines and newspapers and provide general library information to library users.		441

Table - continued

Italian Clas-sif. code(5th level)	Title (occupation unit)	Skill level and other eventual specific entry requirements (culture)	Description (included tasks)	Updating Vs previous edition	ISCO-08 code
4.4.2.1.0	Archive and files employees and related professionals	Compulsory school completion (actually it is 10 years of academic school)= lower secondary school graduation, the first two years of upper secondary school plus any kind of eventual of vocational training qualification (short term)	The professions included in this unit: - Classify documents, - File, store and preserve documents and materials collected or received, - apply predefined criteria and procedures that make it possible to find.	title	441
ISCO-08 code 4413	Coding, proof-reading and related clerks	FROM: Lower secondary level of education TO: Upper secondary level of education/Post-secondary, non-tertiary education	Coding, proof-reading, and related clerks convert information into codes, verify and correct proofs, and perform a number of miscellaneous clerical duties.		441
5.4.8.6.0	Private Security Guards	Compulsory school completion (actually it is 10 years of academic school)= lower secondary school graduation, the first two years of upper secondary school plus any kind of eventual of vocational training qualification (short term)	The professions included in this unit: - Protect private property and - Protect the safety of people, - Protect the security of organizations or businesses; - Ensure the integrity of persons and property protected; - Prevent intrusions and unauthorized use in buildings.	description further tuned	541
ISCO-08 code 5414	Security guards	FROM: Lower secondary level of education TO: Upper secondary level of education/Post-secondary, non-tertiary education	Security guards patrol or monitor premises to guard property against theft and vandalism. They control access to establishments and maintain order and enforce regulations at public events and within establishments.		541
8.1.6.1.1	Cautioning caretakers (non qualified personnel) to ensure building security service is kept	Core literacy (primary school graduation)	The professions included in this unit: - Guard buildings, - Supervision of entrances, preventing the entry of unwanted persons, - Ensure compliance with regulations by reporting any transgressions; - Engage doorman at private condominiums.	Ex 8.4.4.4.0 divided	962
8.1.6.1.3	Cautioning caretakers (non qualified personnel) to ensure equipment and goods security service is maintained	Core literacy (primary school graduation)	The professions included in this unit: - Monitoring equipment, goods and property left in trust, - Prevent theft or damage of property by reporting any abnormal situations.	Ex 8.4.4.4.0 divided	962
ISCO-08 code 9629	Elementary workers not elsewhere classified	Primary level of education	This unit group covers elementary workers not classified elsewhere in major group 9, Elementary workers. For instance, the group includes those who issue and collect parking or admission tickets, provide personal items to patrons or customers in cloak rooms and assist patrons at entertainment events.		962
2.5.4.2.0	Journalists	University graduation (long duration), post-university qualification (conditional to univ. graduation) Profession regulated by law	The professions included in this unit: - Collect, report and comment on news stories or news reports to be published in newspapers, magazines, radio and television, websites and other means of mass communication; - Interview other people on issues of various kinds; - Write editorials and express opinions about facts and events; - Review, select and organize articles and other information materials for publication, subject to the privacy laws.	core description doesn't change	264
ISCO-08 code 2642	Journalists	First stage of tertiary education 5A, 1st degree (medium duration) 5A, 1st degree (long) 5A, 2nd degree Second stage of tertiary education (leading to an advanced research qualification)	Journalists research, investigate, interpret and communicate news and public affairs through newspapers, television, radio and other media.		264

2. Structure User Metadata:

archives, libraries and museums

- acquisitions (archives, libraries, museums);
- archival science;
- classification systems (archives, libraries, museums);
- guided museum tours;
- indexing (archives, libraries, museums);
- inventory maintenance (archives, libraries, museums);
- lending service (archives, libraries and museums);
- museum and collection security;
- museum studies;
- special facilities (archives, libraries and museums);
- systematically shelving books (archives, libraries and museums).

journalism

- special journalistic subjects.

3. Related areas/items:

-

4. Comments:

Relation to culture (in terms of aggregated occupation unit data reporting):

entirely direct	x	entirely hidden		partially	
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Even the classification of occupations is a 1 to 1 model, and the no specific reference is made to the size and type of business or organisation, a large museum (state owned) for example might occur to such technicians and related services:

Italian Classif. Code (5th level)	Title (occupation unit)	Skill level and other eventual specific entry requirements (culture)	Description (included tasks)	Updating Vs previous edition	ISCO-08 code
3.4.5.4.0	Private security services technicians and related professionals	Upper secondary school graduation (5 year), post upper secondary school qualification, University graduation (short and medium cycle)	The professions included in this unit: - Organize private protection and security to people, businesses and organizations to prevent theft, violence, violations of regulations; - Organize services for the acquisition of information to prevent and deal with misconduct and unlawful.	No changes	541

The correspondence table of culture occupations by categories (4th level) and occupation units (5th level) to ISCO-08 codes is supplied in the annex (Table 2).

Reference to NACE REV. 2: The data available from the Labour Force survey that map the new edition of classification of occupations (2011) and the classification of economic activities (NACE REV. 2) are not yet available. However, data from the same survey dealing with the previous edition of classification of occupations and the NACE 2002 are presented in the annex (Table 3).

2.1.11 Restoration (works of art, historical objects)

1. Occupations (5th digit code, Updating Year: 2011, measure of unit: occupation unit)
 Title, skill level (entry requirement), Description (included tasks), eventual and type of updating with regard to the previous edition of classification, Mappings to ISCO-08 (3rd digit –Istat and 4th digit from the author):

Italian Classif. Code (5th level)	Title (occupation unit)	Skill level and other eventual specific entry requirements (culture)	Description (included tasks)	Updating Vs previous edition	ISCO-08 code
2.5.5.1.5	Restorers of Cultural Heritage	University graduation (long duration), post-university qualification (conditional to univ. graduation) Profession regulated by law	The professions included in this unit: - retrieve works of art, - restore and preserve works of art, using technical knowledge and artistic skills.	title, core description doesn't change	265 indirect
ISCO-08 code 2651	Visual artists	First stage of tertiary education 5A, 1st degree (medium duration) 5A, 1st degree (long) 5A, 2nd degree Second stage of tertiary education (leading to an advanced research qualification)	Visual artists create and execute works of art by sculpting, painting, drawing, creating cartoons, engraving or using other techniques.		265
3.4.4.4.0	Restoration technicians	Upper secondary school graduation (5 year), post upper secondary school qualification, University graduation (short and medium cycle) Profession regulated by law	The professions included in this unit: - assist restorers in the prevention, maintenance and restoration of movable cultural goods and architectural ones; - collaborate in research aimed at the reconstruction of historical and cultural preservation of the property, - collaborate in the evaluation of its scarce conditions, data collection and the creation of documentary materials; - care, according to the methodological guidance of the restorer, the preparation of materials needed for interventions.	new	265 Indirect
ISCO-08 code 2651	Visual artists	First stage of tertiary education 5B, 1st, 2nd qualifications (short or medium duration)	Visual artists create and execute works of art by sculpting, painting, drawing, creating cartoons, engraving or using other techniques.		265

2. Structure User Metadata:
 - cleaning techniques used in restoration;
 - conservation (works of art, historical objects);
 - restoration analysis methods;
 - restoration of damaged works of art;
 - special restoration tasks and techniques.
3. Related areas/items:
 - Music instrument restoration
 - History of art
 - Renew of buildings/palaces.
4. Comments:
 Relation to culture (in terms of aggregated occupation unit data reporting):

entirely direct	x	entirely hidden		partially	
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The correspondence table of culture occupations by categories (4th level) and occupation units (5th level) to ISCO-08 codes is supplied in the annex (Table 2).

Reference to NACE REV. 2: The data available from the Labour Force survey that map the new edition of classification of occupations (2011) and the classification of economic activities (NACE REV. 2) are not yet available. However, data from the same survey dealing with the previous edition of classification of occupations and the NACE 2002 are presented in the annex (Table 3).

2.1.12 Architectural maintenance and landscape design

- Occupations (5th digit code, Updating Year: 2011, measure of unit: occupation unit).
Title, skill level (entry requirement), Description (included tasks), eventual and type of updating with regard to the previous edition of classification, Mappings to ISCO-08 (3rd digit –Istat and 4th digit from the author):

Italian Classif. code(5th level)	Title (occupation unit)	Skill level and other eventual specific entry requirements (culture)	Description (included tasks)	Updating Vs previous edition	ISCO code
2.2.2.1.1	Architects	University graduation (long duration), post-university qualification (conditional to univ. graduation)	The professions included in this unit: - Conduct research or applying existing knowledge on the matter, - Draw, plan, design of civil works and industrial sites - Conservate and restore of civil works and industrial sites, - Build and maintain of civil works and industrial sites. - Draw the shape, interior design and their furnishings; - Draw vehicles and other items produced on an industrial sector taking care of functional, symbolic and aesthetic aspects; - Conduct research on the technological characteristics of particular materials and processes; - Define and design standards and procedures to ensure the functionality and security of units. Supervise and direct these activities.	No changes	216
2.2.2.1.2	Planners, landscape architects and specialists in the restoration and conservation of land areas	University graduation (long duration), post-university qualification (conditional to univ. graduation)	The professions included in this unit: - Conduct research or applying existing knowledge on the matter, - Plan, store the urban planning. Supervise and direct these activities.	title and description, restoration becomes new item	216
ISCO-08 code 2161	Building architects	First stage of tertiary education 5A, 1st degree (medium duration) 5A, 1st degree (long) 5A, 2nd degree Second stage of tertiary education (leading to an advanced research qualification)	Building architects design commercial, industrial, institutional, residential and recreational buildings and plan and monitor their construction, maintenance and rehabilitation.		216
ISCO-08 code 2162	Landscape architects	First stage of tertiary education 5A, 1st degree (medium duration) 5A, 1st degree (long) 5A, 2nd degree Second stage of tertiary education (leading to an advanced research qualification)	Landscape architects plan and design landscapes and open spaces for projects such as, parks, schools, institutions, roads, external areas for commercial, industrial and residential sites, and plan and monitor their construction, maintenance and rehabilitation.		216
ISCO-08 code 2164	Town and traffic planners	First stage of tertiary education 5A, 1st degree (medium duration) 5A, 1st degree (long) 5A, 2nd degree Second stage of tertiary education (leading to an advanced research qualification)	Town and traffic planners develop and implement plans and policies for the controlled use of urban and rural land and for traffic systems. They conduct research and provide advice on economic, environmental and social factors affecting land use and traffic flows.		216

2. Structure User Metadata:

- Architecture;
- Maintenance;
- interior design;
- landscape design;
- landscape gardening;
- land use planning;
- light design;
- regional planning;

- town planning,
 - traffic planning.
3. Related areas/items:
-
4. Comments:

Relation to culture (in terms of aggregated occupation unit data reporting):

entirely direct	x	entirely hidden		partially	
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The correspondence table of culture occupations by categories (4th level) and occupation units (5th level) to ISCO-08 codes is supplied in the annex (Table 2).

Reference to NACE REV. 2: The data available from the Labour Force survey that map the new edition of classification of occupations (2011) and the classification of economic activities (NACE REV. 2) are not yet available. However, data from the same survey dealing with the previous edition of classification of occupations and the NACE 2002 are presented in the annex (Table 3).

2.1.13 Manufacturing and processing of textiles, clothes, footwear, leather: fashion design and artistic exhibition

1. Occupations (5th digit code, Updating Year: 2011, measure of unit: occupation unit).
Title, skill level (entry requirement), Description (included tasks), eventual and type of updating with regard to the previous edition of classification, Mappings to ISCO-08 (3rd digit –Istat and 4th digit from the author):

Italian Classif. Code (5th level)	Title (occupation unit)	Skill level and other eventual specific entry requirements (culture)	Description (included tasks)	Updating Vs previous edition	ISCO-08 code
2.5.5.1.3	Fashion designers	University graduation (long duration), post-university qualification (conditional to univ. graduation)	The professions included in this unit: - produce sketches, drawings, detail drawings and - elaborate graphics aimed at the production of clothing, lingerie, shoes and other clothing accessories using various techniques of artistic design,	Upgraded	216
ISCO-08 code 2163	Product and garment designers	First stage of tertiary education 5A, 1st degree (medium duration) 5A, 1st degree (long) 5A, 2nd degree Second stage of tertiary education (leading to an advanced research qualification)	Product and garment designers design and develop products for manufacture and prepare designs and specifications of products for mass, batch and one-off production.		216
5.1.3.1.0	Mannequins, models and related professionals	Compulsory school completion (actually it is 10 years of academic school)= lower secondary school graduation, the first two years of upper secondary school plus any kind of eventual of vocational training qualification (short term)	The professions included in this unit: - pose for artistic productions and events or advertising, or - shows wear and garments, clothing accessories and other products in fashion shows or other means of exposure to resellers or consumers.	title only	524
ISCO-08 code 5241	Fashion and other models	Upper secondary level of education/Post-secondary, non-tertiary education	Fashion and other models wear and display clothing and accessories and pose for photographs, film and video, advertising, still photography or for artistic creation.		524

2. Structure User Metadata:
- computer-aided design;
 - designing indoor fashion;
 - designing outdoor fashion;
 - design of knit and weavewear;
 - fabric pattern design;
 - leathergoods design;
 - artistic exhibition.

3. Related areas/items:

-

4. Comments:

Relation to culture (in terms of aggregated occupation unit data reporting):

entirely direct	x	entirely hidden		partially	
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The correspondence table of culture occupations by categories (4th level) and occupation units (5th level) to ISCO-08 codes is supplied in the annex (Table 2).

Reference to NACE REV. 2: The data available from the Labour Force survey that map the new edition of classification of occupations (2011) and the classification of economic activities (NACE REV. 2) are not yet available. However, data from the same survey dealing with the previous edition of classification of occupations and the NACE 2002 are presented in the annex (Table 3).

2.1.14 Translating and interpreting

1. Occupations (5th digit code, Updating Year: 2011, measure of unit: occupation unit).

Title, skill level (entry requirement), Description (included tasks), eventual and type of updating with regard to the previous edition of classification, Mappings to ISCO-08 (3rd digit –Istat and 4th digit from the author):

Italian Classif. code(5th level)	Title (occupation unit)	Skill level and other eventual specific entry requirements (culture)	Description (included tasks)	Updating Vs previous edition	ISCO -08 code
2.5.4.3.0	Senior Interpreters and translators	University graduation (long duration), post-university qualification (conditional to univ. graduation)	The professions included in this unit: - translate text from one language to another, ensuring the maintenance of the correct meaning of the original text, - ensure that the meaning of legal texts, scientific and technical is properly made and - ensure that the phraseology, terminology, the spirit and style of literary works is transmitted in an appropriate way; - interpreting speech from one language to another in conferences, negotiations or on other occasions, ensuring they are sent to the proper meaning and spirit of the original speech.	No changes	264
ISCO-08 code 2643	Translators, interpreters and other linguists	First stage of tertiary education 5A, 1st degree (medium duration) 5A, 1st degree (long) 5A, 2nd degree Second stage of tertiary education (leading to an advanced research qualification)	Translators, interpreters and other linguists translate or interpret from one language into another and study the origin, development and structure of languages.		264
2.6.5.5.5	Language Teachers	University graduation (long duration), post-university qualification (conditional to univ. graduation)	The professions included in this unit: - teach - for individuals or small groups - lessons, grammar, structure, diction and communication of Italian or foreign outside the mainstream of schooling and educational institutions.	title, description further tuned	235
ISCO-08 code 2353	Other language teachers	First stage of tertiary education 5A, 1st degree (medium duration) 5A, 1st degree (long) 5A, 2nd degree Second stage of tertiary education (leading to an advanced research qualification)	Other language teachers teach non-native languages to adults and children who are learning a language for reasons of migration, to fulfil employment requirements or opportunities, to facilitate participation in educational programmes delivered in a foreign language, or for personal enrichment. They work outside the mainstream primary, secondary and higher education systems, or in support of students and teachers within those systems.		235

2. Structure User Metadata:

- translation;
- computer aided translation;
- interpreting;
- specialist terminologies.

3. Related areas/items:

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4. Comments:

Relation to culture (in terms of aggregated occupation unit data reporting):

entirely direct		entirely hidden		partially	x
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The correspondence table of culture occupations by categories (4th level) and occupation units (5th level) to ISCO-08 codes is supplied in the annex (Table 2).

Reference to NACE REV. 2: The data available from the Labour Force survey that map the new edition of classification of occupations (2011) and the classification of economic activities (NACE REV. 2) are not yet available. However, data from the same survey dealing with the previous edition of classification of occupations and the NACE 2002 are presented in the annex (Table 3).

2.1.15 Archaeology

1. Occupations (5th digit code, Updating Year: 2011, measure of unit: occupation unit)

Title, skill level (entry requirement), Description (included tasks), eventual and type of updating with regard to the previous edition of classification, Mappings to ISCO-08 (3rd digit –Istat and 4th digit from the author):

Italian Classif. Code (5th level)	Title (occupation unit)	Skill level and other eventual specific entry requirements (culture)	Description (included tasks)	Updating Vs previous edition	ISCO-08 code
2.5.3.2.4	Archaeologists	University graduation (long duration), post-university qualification (conditional to univ. graduation)	The professions included in this unit: - reconstruct the material culture and history of peoples through finds from excavations or other methods of archaeological investigation.	No changes	263
ISCO-08 code 2632	Sociologists, anthropologists and related professionals	First stage of tertiary education 5A, 1st degree (medium duration) 5A, 1st degree (long) 5A, 2nd degree Second stage of tertiary education (leading to an advanced research qualification)	Sociologists, anthropologists and related professionals investigate and describe the structure of societies, the origin and evolution of societies, and the interdependence between environmental conditions and human activities. They provide advice on the practical application of their findings in the formulation of economic and social policies.		263

2. Structure User Metadata:

- archeological excavations;
- classical archaeology;
- indigenous American studies;
- medieval and modern archaeology;
- Near Eastern archaeology;
- prehistory and protohistory;
- Roman provincial archaeology;
- special thematic areas within archaeology.

3. Related areas/items:

- anthropology;
- paleontology
- archeometry.

4. Comments:

Relation to culture (in terms of aggregated occupation unit data reporting):

entirely direct	x	entirely hidden		partially	
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The correspondence table of culture occupations by categories (4th level) and occupation units (5th level) to ISCO-08 codes is supplied in the annex (Table 2).

Reference to NACE REV. 2: The data available from the Labour Force survey that map the new edition of classification of occupations (2011) and the classification of economic activities (NACE REV. 2) are not yet available. However, data from the same survey dealing with the previous edition of classification of occupations and the NACE 2002 are presented in the annex (Table 3).

2.1.16 Education: pedagogy and teaching methodology

- Occupations (5th digit code, Updating Year: 2011, measure of unit: occupation unit)
Title, skill level (entry requirement), Description (included tasks), eventual and type of updating with regard to the previous edition of classification, Mappings to ISCO-08 (3rd digit –Istat and 4th digit from the author):

Italian Classif. Code (5th level)	Title (occupation unit)	Skill level and other eventual specific entry requirements (culture)	Description (included tasks)	Updating Vs previous edition	ISCO -08 code
2.6.1.3.1	University professors in civil engineering sciences and architecture	University graduation (long duration), post-university qualification (conditional to univ. graduation)	The professions included in this unit: - Plan, direct and conduct research aimed at improving and innovating scientific knowledge or its application in production; - Teach the theory and practice of one or more subjects which they have expertise, defining curricula, preparing curricula, teaching materials and laboratory activities, stimulate discussion and student participation in lessons, administering tests and exams, assign thesis and make assessments; - Direct the research activities of students in postgraduate courses and doctoral programs; - Participate in decisions on policies of the University; - Publish articles and scientific papers, - Participate in seminars and conferences.	No changes	231
2.6.1.4.0	University professors in the sciences of antiquity, philology, literary, historical and artistic	University graduation (long duration), post-university qualification (conditional to univ. graduation)	The professions included in this unit: - Plan, direct and conduct research aimed at improving and innovating scientific knowledge or its application in production; - Teach the theory and practice of one or more subjects which they have expertise, defining curricula, preparing curricula, teaching materials and laboratory activities, stimulate discussion and student participation in lessons, administering tests and exams, assign thesis and make assessments; - Direct the research activities of students in postgraduate courses and doctoral programs; - Participate in decisions on policies of the University; - Publish articles and scientific papers, - Participate in seminars and conferences.	No changes	231
2.6.2.4.0	Researchers and technical university graduated in the sciences of antiquity, literary philological and historical-artistic	University graduation (long duration), post-university qualification (conditional to univ. graduation)	The professions included in this unit: - Collaborate with faculty professors and assist them in planning and implementation of teaching and curriculum; - Follow the activities of student support; - Design and conduct academic theoretical and experimental research aimed at expanding scientific knowledge and to innovate or to put its application in production; - Ensure the operation of laboratories and scientific equipment; - Define and implement scientific protocols in laboratory experiments and research activities. In particular, the professions, including professional unit - Carry out the activities envisaged under the ancient sciences, philology, literary, historical and artistic.	title divided	231
2.6.3.1.1	Art teachers in the academies of fine arts and related educational institutions	University graduation (long duration), post-university qualification (conditional to univ. graduation)	The professions included in this unit: - Teach the theory and practice of the arts in the academies of fine arts and educational institutions preparing students for the exercise of artistic activities in the fields of fine arts; - Define the curricula, run courses and give lectures in one or more classes, organize courses for adults; - Administer the tests and inspections and assess the learning of students.	core description doesn't change	231
2.6.3.1.2	Music teachers in music conservatories and related schools	University graduation (long duration), post-university qualification (conditional to univ. graduation)	The professions included in this unit: - Teach the theory and practice of the disciplines in music conservatories and schools preparing students for the exercise of artistic activities in the field of music; - Define the curricula, run courses and give lectures in one or more classes, organize courses for adults, - Administer the tests and inspections and assess the learning of students.	core description doesn't change	231

Table - continued

Italian Classif. Code (5th level)	Title (occupation unit)	Skill level and other eventual specific entry requirements (culture)	Description (included tasks)	Updating Vs previous edition	ISCO -08 code
2.6.3.1.3	Teachers of drama and dance academies and related educational institutions	University graduation (long duration), post-university qualification (conditional to univ. graduation)	The professions included in this unit: - Teach the theory and practice of dramatic art and dance in the cycles of post-primary education, excluding higher education, preparing students for activities in the artistic field of dance and dramatic art; - Define the curricula, run courses and give lectures in one or more classes, organize courses for adults, - Administer the tests and inspections and assess the learning of students.	No changes	231
ISCO-08 code 2310	University and higher education teachers	First stage of tertiary education 5A, 1st degree (medium duration) 5A, 1st degree (long) 5A, 2nd degree Second stage of tertiary education (leading to an advanced research qualification)	University and higher education teachers prepare and deliver lectures and conduct tutorials in one or more subjects within a prescribed course of study at a university or other higher educational institution. They conduct research, and prepare scholarly papers and books.		231
2.6.3.2.5	Teachers of science literature, art, history, philosophy, pedagogy and psychology in the upper secondary schools	University graduation (long duration), post-university qualification (conditional to univ. graduation)	The professions included in this unit: - Teach the theory and practice of science literature, art, history, philosophy, pedagogy and psychology in high schools, technical institutes, professional, and art in the training colleges, preparing students to acquire a qualification, the continue their studies and pursuit of occupation; - Define the curricula, run courses and give lectures in one or more classes, organize courses for adults, - Administer the tests and inspections and assess the learning of pupils; - Participate in decisions about schooling, teaching and offering education and training, - Manage relationships with families and other relevant persons, - Assist the technician in the accompaniment and support to individual students in a situation of cognitive difficulties.	No changes	233
ISCO-08 code 2330	Secondary education teachers	First stage of tertiary education 5A, 1st degree (medium duration) 5A, 1st degree (long) 5A, 2nd degree Second stage of tertiary education (leading to an advanced research qualification)	Secondary education teachers teach one or more subjects at secondary education level, excluding subjects intended to prepare students for employment in specific occupational areas.		233

2. Structure User Metadata:

- art education;
- cultural education;
- museum education;
- theatre education.

3. Related areas/items

-

4. Comments:

Relation to culture (in terms of aggregated occupation unit data reporting):

entirely direct		entirely hidden		partially	x
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The correspondence table of culture occupations by categories (4th level) and occupation units (5th level) to ISCO-08 codes is supplied in the annex (Table 2).

Reference to NACE REV. 2: The data available from the Labour Force survey that map the new edition of classification of occupations (2011) and the classification of economic activities (NACE REV. 2) are not yet available. However, data from the same survey dealing with the previous edition of classification of occupations and the NACE 2002 are presented in the annex (Table 3).

2.1.17 Musical instrument making, repair and maintenance

- Occupations (5th digit code, Updating Year: 2011, measure of unit: occupation unit).
Title, skill level (entry requirement), Description (included tasks), eventual and type of updating with regard to the previous edition of classification, Mappings to ISCO-08 (3rd digit –Istat and 4th digit from the author):

Italian Classif. Code (5th level)	Title (occupation unit)	Skill level and other eventual specific entry requirements (culture)	Description (included tasks)	Updating Vs previous edition	ISCO-08 code
6.3.1.3.1	Music Instrument Tuners	Compulsory school completion (actually it is 10 years of academic school)= lower secondary school graduation, the first two years of upper secondary school plus any kind of eventual of vocational training qualification (short term)	The professions included in this unit: - accord the instruments in laboratories and tools in the places where they are located, using the appropriate tool for comparison and - tune the instruments also depending on the type of music to play and tastes of the instrumentalist.	No changes	731
6.3.1.3.2	Music instrument maker and repairer	Compulsory school completion (actually it is 10 years of academic school)= lower secondary school graduation, the first two years of upper secondary school plus any kind of eventual of vocational training qualification (short term)	The professions included in this unit: - make instruments (craftwork), - repair, restore and care of musical instruments - maintain the musical instruments and non electronic parts thereof.	No changes	731
ISCO-08 code 7312	Musical instrument makers and tuners	FROM: Lower secondary level of education TO: Upper secondary level of education/Post-secondary, non-tertiary education	Musical-instrument makers and tuners make, assemble, repair, adjust, restore musical instruments and tune them to the required pitch with hand or power tools. They usually specialize in one type of instrument, such as string instruments, brass instruments pianos, reed instruments or percussion instruments.		731

- Structure User Metadata:
 - brass instrument making;
 - maintenance of instruments;
 - making percussion instruments;
 - making plucked string instruments;
 - making string instruments;
 - restoration of musical instruments.

- Related areas/items:
 - restoration;
 - manufacturing wood instruments;
 - electronic music instruments;
 - music instruments;
 - music science.

- Comments:

Relation to culture (in terms of aggregated occupation unit data reporting):

entirely direct	x	entirely hidden		partially	
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The correspondence table of culture occupations by categories (4th level) and occupation units (5th level) to ISCO-08 codes is supplied in the annex (Table 2).

Reference to NACE REV. 2: The data available from the Labour Force survey that map the new edition of classification of occupations (2011) and the classification of economic activities (NACE REV. 2) are not yet available. However, data from the same survey dealing with the previous edition of classification of occupations and the NACE 2002 are presented in the annex (Table 3).

2.1.18 General artistic knowledge and skills

- Occupations (5th digit code, Updating Year: 2011, measure of unit: occupation unit). Title, skill level (entry requirement), Description (included tasks), eventual and type of updating with regard to the previous edition of classification, Mappings to ISCO-08 (3rd digit –Istat and 4th digit from the author):

Italian Classif. Code (5th level)	Title (occupation unit)	Skill level and other eventual specific entry requirements (culture)	Description (included tasks)	Updating Vs previous edition	ISCO-08 code
2.5.3.4.2	Art experts	University graduation (long duration), post-university qualification (conditional to univ. graduation)	The professions included in this unit: - Conduct research in the field of history or art and aesthetics production, and the application of the relative knowledge - Identify, assess and promote art and artists.	No changes	263
ISCO-08 code 2632	Sociologists, anthropologists and related professionals	First stage of tertiary education 5A, 1st degree (medium duration) 5A, 1st degree (long) 5A, 2nd degree Second stage of tertiary education (leading to an advanced research qualification)	Sociologists, anthropologists and related professionals investigate and describe the structure of societies, the origin and evolution of societies, and the interdependence between environmental conditions and human activities. They provide advice on the practical application of their findings in the formulation of economic and social policies.		263
3.4.1.3.0	Entertainers and related professionals	Upper secondary school graduation (5 year), post upper secondary school qualification, University graduation (short and medium cycle)	The professions included in this unit: - Entertains guests of resorts, hotels and other accommodations; - Plan and organize recreational activities, games, contests, parties, shows, - Plan and organize lectures on the practice of dancing, sports and body care, - Plan and organize arts and craftworks activities.	No changes	342
ISCO-08 code 3423	Fitness and recreation instructors and program leaders	First stage of tertiary education 5B, 1st, 2nd qualifications (short or medium duration)	Fitness and recreation instructors and program leaders lead, guide and instruct groups and individuals in recreational, fitness or outdoor adventure activities.		342
3.4.3.1.2	Performing arts and recreation Presenters	Upper secondary school graduation (5 year), post upper secondary school qualification, University graduation (short and medium cycle)	The professions included in this unit: - present performing arts and entertainment in theaters, stadiums, local or in other public places.	No changes	265
ISCO-08 code 2659	Creative and performing artists not elsewhere classified	First stage of tertiary education 5B, 1st, 2nd qualifications (short or medium duration)	This unit group covers all creative and performing artists not classified elsewhere in minor group 265, Creative and performing artists. For instance, the group includes clowns, magicians, acrobats and other performing artists.		265
3.4.4.3.1	Works of Art appraisals	Upper secondary school graduation (5 year), post upper secondary school qualification, University graduation (short and medium cycle)	The professions included in this unit: - Estimate the market value and authenticity of works of art and antiques, applying knowledge of art history on the materials used, construction techniques, decorative and finishing.	No changes	331
3.4.4.3.2	Appraisal philatelists and numismatists	Upper secondary school graduation (5 year), post upper secondary school qualification, University graduation (short and medium cycle)	The professions included in this unit: - estimate the authenticity and the market value of coins, paper money, medals and stamps, applying knowledge of history of art on the materials used, construction techniques decorative and finishing.	No changes	331
ISCO-08 code 3315	Valuers and loss assessors	First stage of tertiary education 5B, 1st, 2nd qualifications (short or medium duration)	Valuers and loss assessors value property and various goods and assess losses covered by insurance policies.		331
8.2.1.1.0	Recreation and cultural services attendant (non qualified personnel)	Core literacy (primary school graduation)	The professions included in this unit: engaging unskilled qualifications - Welcome, accompany and assist customers in the use of recreational and cultural services, - Ensure the proper use of equipment, vehicles and premises; - Monitor sites and equipment ensuring compliance with regulations and reporting any violations.	description is substantially changed	962

Table - continued

Italian Classif. Code (5th level)	Title (occupation unit)	Skill level and other eventual specific entry requirements (culture)	Description (included tasks)	Updating Vs previous edition	ISCO-08 code
ISCO-08 code 9629	Elementary workers not elsewhere classified	Primary level of education	This unit group covers elementary workers not classified elsewhere in major group 9, Elementary workers. For instance, the group includes those who issue and collect parking or admission tickets, provide personal items to patrons or customers in cloak rooms and assist patrons at entertainment events.		962
3.4.1.2.1	Trade fairs, exhibitions and cultural events Organizers	Upper secondary school graduation (5 year), post upper secondary school qualification, University graduation (short and medium cycle)	The professions included in this unit: - Provide services for the organization and management of trade fairs; - Confine spaces and exhibition spaces available, - Organize the enjoyment by the public and exhibitors.	title only	235
ISCO-08 code 3332	Conference and event planners	First stage of tertiary education 5B, 1st, 2nd qualifications (short or medium duration)	Conference and event planners organize and coordinate services for conferences, events, functions, banquets and seminars.		235
3.4.2.3.0	Art techniques instructors	Upper secondary school graduation (5 year), post upper secondary school qualification, University graduation (short and medium cycle)	The professions included in this unit: - Teach the technique and, with lessons for individuals or small groups, - Train to practice visual art disciplines.	title only	235
ISCO-08 code 2355	Other arts teachers	First stage of tertiary education 5B, 1st, 2nd qualifications (short or medium duration)	Other arts teachers teach students in the practice, theory and performance of dance, drama, visual and other arts (excluding music) outside the mainstream primary, secondary and higher education systems, but may provide private or small group tuition as an extra curricular activity in association with mainstream educational institutions		235
3.4.3.1.1	Radio and television announcers	Upper secondary school graduation (5 year), post upper secondary school qualification, University graduation (short and medium cycle)	The professions included in this unit: - Read news, disseminate information, news reports, - Presenting shows and events, - Announce programs in radio and television	No changes	265
ISCO-08 code 2656	Announcers on radio, television and other media	First stage of tertiary education 5B, 1st, 2nd qualifications (short or medium duration)	Announcers on radio, television and other media read news bulletins, conduct interviews, and make other announcements or introductions on radio, television, and in theatres and other establishments or media		265

2. Structure User Metadata:

- colour systems;
- draft drawing;
- field-specific knowledge (art, culture and media);
- improvisation (arts),
- interpretation (arts);
- knowledge of a work (arts);
- sketching;
- three-dimensional design;
- two-dimensional design.

3. Related areas/items:

- Music and performing arts;
- Fine arts;
- Photography.

4. Comments:

Relation to culture (in terms of aggregated occupation unit data reporting):

entirely direct	x	entirely hidden		partially	x
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The correspondence table of culture occupations by categories (4th level) and occupation units (5th level) to ISCO-08 codes is supplied in the annex (Table 2).

Reference to NACE REV. 2: The data available from the Labour Force survey that map the new edition of classification of occupations (2011) and the classification of economic activities (NACE REV. 2) are not yet available. However, data from the same survey dealing with the previous edition of classification of occupations and the NACE 2002 are presented in the annex (Table 3).

2.1.19 Cultural and media management

1. Occupations (5th digit code, Updating Year: 2011, measure of unit: occupation unit).
Title, skill level (entry requirement), Description (included tasks), eventual and type of updating with regard to the previous edition of classification, Mappings to ISCO-08 (3rd digit –Istat and 4th digit from the author):

Italian Classif. Code (5th level)	Title (occupation unit)	Skill level and other eventual specific entry requirements (culture)	Description (included tasks)	Updating Vs previous edition	ISCO-08 code
1.1.4.2.0	Directors of charity, cultural, scientific and sport associations of national or supranational interest	All levels (1-4) skill&competentes are very particular, so, mapping to formal education is not sufficient (entry req.) Reason: personal commitment and interest in place of formal qualification or experience	The professions included in this unit: - Define, promote, manage and implement policies and strategies of organizations to which they belong, - represent vis à vis third parties and act on their behalf; - Organize campaigns promoting the Association's aims and - Recruit and train members.	No changes	111
ISCO-08 code 1114	Senior officials of special-interest organizations	FROM: First stage of tertiary education 5B, 1st, 2nd qualifications (short or medium duration) TO: First stage of tertiary education 5A, 1st degree (medium duration) 5A, 1st degree (long) 5A, 2nd degree Second stage of tertiary education (leading to an advanced research qualification)	Senior officials of special-interest organizations determine, formulate and direct the implementation of policies of special-interest organizations, such as political-party organizations, trade unions, employers' organizations, trade and industry associations, humanitarian or charity organizations, or sports associations, and represent their organizations and act on their behalf.		111
1.1.2.3.2	National cultural heritage Superintendents	All levels (1-4) skill & competences are very particular, so, mapping to formal education is not sufficient (entry req.) Reason: personal commitment and interest in place of formal qualification or experience	The professions included in this unit: - Implement within the territory the guidelines on the protection, preservation and conservation of historical, artistic, archaeological, architectural, landscape and archival goods - Ensure that laws concerning the protection of such goods by public and private owners, - Propose priorities in resource allocation and - Promote initiatives for the restoration and enhancement.	No changes	112
1.1.2.4.1	Non-economic public bodies and local authorities general managers, department and related state administrations directors	All levels (1-4) skill & competences are very particular, so, mapping to formal education is not sufficient (entry req.) Reason: personal commitment and interest in place of formal qualification or experience	The professions included in this unit: - Direct large structures of state and local non-economic public bodies and local authorities, - Make suggestions and opinions to the bodies which they relate, - care to the implementation of programs and policies adopted and define the organizational arrangements and resources needed for their implementation, - Exercise powers of spending and coordinate the activities of their subordinated bodies, identify the persons responsible for projects and necessary resources to achieve the objectives, - verify and control the activities with the objectives set and - keep the responsibility of management and the achieved results.	No changes	112

Table - continued

Italian Classif. Code (5th level)	Title (occupation unit)	Skill level and other eventual specific entry requirements (culture)	Description (included tasks)	Updating Vs previous edition	ISCO-08 code
1.1.2.6.1	Non-economic public bodies and local authorities executives directors and related state administrations directors	All levels (1-4) skill & competences are very particular, so, mapping to formal education is not sufficient (entry req.) Reason: personal commitment and interest in place of formal qualification or experience	The professions included in this unit: - Directing the functional state administration and local non-economic public bodies and local authorities, - Formulate proposals and advice to general managers or department to which they belong, - care the implementation of projects assigned to them by adopting and defining, within the limits of competence, organizational arrangements and resources needed for their implementation, - Exercise the powers of expenditure allocated to them, coordinating the activities of their subordinate offices, identifying those responsible for the procedures assigned to their office and - Verify and controlling the overall activities of the office with the objectives set. - Keep the responsibility of management and achieved results.	title, core description doesn't change	112
1.2.1.6.2	Entrepreneurs and managers of large companies in the publishing services, film production, radio and television	All levels (1-4) skill & competences are very particular, so, mapping to formal education is not sufficient (entry req.) Reason: personal commitment and interest in place of formal qualification or experience	The professions included in this unit: - manage companies or organizations in publishing, film production, video and television programs, recordings and music publishing, and programming and transmission, respectively, classified in Divisions 58, 59 and 60 of the Classification of Economic Activities directly as owners or on behalf of the property, - Represent to any third parties, and with the support of one or more directors who coordinate management structures, - Define, plan, direct and coordinate the policies, strategies and production activities, generally following the directives of a board of directors or management to answer for decisions made and results achieved.	New, extraction of editors from 1.2.1.2.0	112
ISCO-08 code 1120	Managing directors and chief executives	FROM: First stage of tertiary education 5B, 1st, 2nd qualifications (short or medium duration) TO: First stage of tertiary education 5A, 1st degree (medium duration) 5A, 1st degree (long) 5A, 2nd degree Second stage of tertiary education (leading to an advanced research qualification)	Managing directors and chief executives formulate and review the policies and plan, direct coordinate and evaluate the overall activities of enterprises or organizations (except special interest organizations and government departments) with the support of other managers, usually within guidelines established by a board of directors or a governing body to whom they are answerable for the operations undertaken and results.		112
1.2.2.6.2	Directors and general managers of companies in the publishing services, film production, radio and television	All levels (1-4) skill & competences are very particular, so, mapping to formal education is not sufficient (entry req.) Reason: personal commitment and interest in place of formal qualification or experience	The professions included in this unit: with regard to the companies or organizations in publishing, film production, video and television programs, recordings and music publishing, and programming and transmission, respectively, classified in Divisions 58, 59 and 60 of the Classification of economic activities, - Plan, direct and coordinate activities related to the production of goods and services of the company or organization in which they operate and - Ensure the efficient use of available resources and the achievement of production goals. Generally, these activities are carried out, in - Compliance with the directives of the governing bodies of the company or organization to which they respond to the decisions taken and the results obtained, - Cooperate with the other directions in which the company or organization is structured.	New, "general managers". Ex other 1.2.2.9.0	133

Table - continued

Italian Classif. Code (5th level)	Title (occupation unit)	Skill level and other eventual specific entry requirements (culture)	Description (included tasks)	Updating Vs previous edition	ISCO-08 code
1.3.1.6.2	Entrepreneurs and chiefs of small businesses in publishing services, film production, radio and television	All levels (1-4) skill & competences are very particular, so, mapping to formal education is not sufficient (entry req.) Reason: personal commitment and interest in place of formal qualification or experience	The professions included in this unit: are the heads of small businesses that - Define, plan, implement and manage policies and production strategies and evaluate results; - Negotiate with suppliers and customers, schedule and control the efficient use of resources; - Recruit staff and establish the processes of organizational innovation and productivity. The professions included in this unit carry out the activities described in enterprises or organizations in publishing, film production, video and television programs, recordings and music publishing, and programming and transmission, respectively, classified in Divisions 58, 59 and 60 of the Classification of economic activities. These activities are carried out in enterprises that have a simple organizational apparatus, which does not provide intermediate levels of coordination (no director who coordinates facilities management) to support the entrepreneur in his business. The professions included in this unit may occasionally be involved in the process of service delivery.	New, removed "managers". Ex other 1.3.1.9.0	133
ISCO-08 code 1330	Information and communications technology service managers	FROM: First stage of tertiary education 5B,1st, 2nd qualifications (short or medium duration) TO: First stage of tertiary education 5A, 1st degree (medium duration) 5A, 1st degree (long) 5A, 2nd degree Second stage of tertiary education (leading to an advanced research qualification)	Information and communications technology service managers plan, direct, and coordinate the acquisition, development, maintenance and use of computer and telecommunication systems.		133
1.2.1.9.3	Entrepreneurs and managers of large companies in the field of sports, leisure, entertainment and recreation	All levels (1-4) skill & competences are very particular, so, mapping to formal education is not sufficient (entry req.) Reason: personal commitment and interest in place of formal qualification or experience	The professions included in this unit: - Guiding companies or organizations in the economic sector of sports, leisure, entertainment and fun, classified under Section R of the Classification of economic activities, either directly as owners or on behalf of the property, - Represent to any third parties, and with the support of one or more directors who - Coordinate management structures, - Define, plan, direct and coordinate the policies, strategies and production activities, generally following the directives of a board of directors or management to answer for decisions made and results achieved.	New, big enterprise. Ex other 1.2.1.9.0	143
1.3.1.9.3	Entrepreneurs and chiefs of small businesses in the area of sports, leisure, entertainment and recreation	All levels (1-4) skill & competences are very particular, so, mapping to formal education is not sufficient (entry req.) Reason: personal commitment and interest in place of formal qualification or experience	The professions included in this unit: are the heads of small businesses that - Define, plan, implement, manage policies and strategies and assessing their results; - Negotiate with suppliers and customers, - Plan and monitor the use of resources; - Recruit staff and establish the processes of organizational innovation and productivity. The professions included in this unit carry out the activities described in enterprises or organizations in the economic sector of sports, leisure, entertainment and fun, classified under Section R of the Classification of economic activities. These activities are carried out in enterprises that have a simple organizational apparatus, which does not provide intermediate levels of coordination (no director who coordinates facilities management) to support the entrepreneur in his business. The professions included in this unit may occasionally be involved in the process of service delivery.	New, removed "managers". Ex other 1.3.1.9.0	143
ISCO-08 code 1431	Sports, recreation and cultural centre managers	FROM: First stage of tertiary education 5B,1st, 2nd qualifications (short or medium duration) TO: First stage of tertiary education 5A, 1st degree (medium duration) 5A, 1st degree (long) 5A, 2nd degree Second stage of tertiary education (leading to an advanced research qualification)	Sports, recreation and cultural centre managers plan, organize, and control the operations of establishments that provide sporting, artistic, theatrical and other recreational and amenity services.		143

Table - continued

Italian Classif. Code (5th level)	Title (occupation unit)	Skill level and other eventual specific entry requirements (culture)	Description (included tasks)	Updating Vs previous edition	ISCO-08 code
5.4.2.1.3	Recreation operators	Compulsory school completion (actually it is 10 years of academic school)= lower secondary school graduation, the first two years of upper secondary school plus any kind of eventual of vocational training qualification (short term)	The professions included in this unit: - Define, plan, implement and manage strategies and policies of small recreational business activities; - Evaluate the results of the activity; - negotiate with suppliers and customers, - Plan and monitor the use of resources; - Recruit staff and establish the processes of organizational innovation and management. - Are directly involved in receiving, assist, inform and advise customers.	title, description modified and further tuned	143
5.4.2.1.1	Cinemas and theaters operators	Compulsory school completion (actually it is 10 years of academic school)= lower secondary school graduation, the first two years of upper secondary school plus any kind of eventual of vocational training qualification (short term)	The professions included in this unit: - Define, plan, implement and manage strategies and policies for small cinemas and theaters; - Evaluate the results of the activity; - Negotiating with suppliers and customers, - Plan and monitor the use of resources; - Recruit staff and establish the processes of organizational innovation and management. - Are directly involved in receiving, assist, inform and advise customers.	title, description modified and further tuned	143
5.4.2.1.2	Nightclubs operators	Compulsory school completion (actually it is 10 years of academic school)= lower secondary school graduation, the first two years of upper secondary school plus any kind of eventual of vocational training qualification (short term)	The professions included in this unit: - Define, plan, implement and manage strategies and policies for clubs and small clubs; - Evaluate the results of the activity; - Negotiating with suppliers and customers, - Plan and monitor the use of resources; - Recruit staff and establish the processes of organizational innovation and management. - Are directly involved in receiving, assist, inform and advise customers.	title, description modified and further tuned	143
ISCO-08 code 1431	Sports, recreation and cultural centre managers	FROM: Lower secondary level of education TO: Upper secondary level of education/Post-secondary, non-tertiary education	Sports, recreation and cultural centre managers plan, organize, and control the operations of establishments that provide sporting, artistic, theatrical and other recreational and amenity services.		143
2.5.1.1.1	Management specialists in Public Administration	University graduation (long duration), post-university qualification (conditional to univ. graduation)	The professions included in this unit: - Coordinate the activities of the offices of state and local level, autonomous agencies, universities, research institutions and the National Health Service, - Formulate proposals and advice to managers on whom they depend functionally - care the implementation of projects, administrative tasks and procedures assigned to them, - Coordinate the activities of subordinate personnel.	No changes	242
2.5.1.1.2	Control specialists in Public Administration	University graduation (long duration), post-university qualification (conditional to univ. graduation)	The professions included in this unit: - verify, control and - provide assistance on the correct application of laws and regulations of the State, both by the population concerned and by the public administration.	No changes	242
ISCO-08 code 2421	Management and organization analysts	First stage of tertiary education 5A, 1st degree (medium duration) 5A, 1st degree (long) 5A, 2nd degree Second stage of tertiary education (leading to an advanced research qualification)	Management and organization analysts assist organizations to achieve greater efficiency and solve organizational problems. They study organizational structures, methods, systems and procedures.		242
ISCO-08 code 2422	Policy administration professionals	First stage of tertiary education 5A, 1st degree (medium duration) 5A, 1st degree (long) 5A, 2nd degree Second stage of tertiary education (leading to an advanced research qualification)	Policy administration professionals develop and analyze policies guiding the design, implementation and modification of government and commercial operations and programs.		242
2.5.5.2.3	Art directors	University graduation (long duration), post-university qualification (conditional to univ. graduation)	The professions included in this unit: - Plan, organize, - Direct, care public performances, seasons, festivals and artistic performances, according to certain content, choices and artistic and cultural lines; - indicate actors, characteristics, themes and methods of implementation.	description only, further detailed	265

Table - continued

Italian Classif. Code (5th level)	Title (occupation unit)	Skill level and other eventual specific entry requirements (culture)	Description (included tasks)	Updating Vs previous edition	ISCO-08 code
2.5.5.2.1	Directors (radio, Tv, film, stage and other related performances)	University graduation (long duration), post-university qualification (conditional to univ. graduation)	The professions included in this unit: - Conceive and direct radio and television works, film, theater and other public performances and artistic performances	No changes	265
ISCO-08 code 2654	Film, stage and related directors and producers	First stage of tertiary education 5A, 1st degree (medium duration) 5A, 1st degree (long) 5A, 2nd degree Second stage of tertiary education (leading to an advanced research qualification)	Film, stage and related directors and producers oversee and control the technical and artistic aspects of motion pictures, television or radio productions and stage shows.		265
3.4.3.2.0	Radio, TV, theater and film production and organisation technicians	Upper secondary school graduation (5 year), post upper secondary school qualification, University graduation (short and medium cycle)	The professions included in this unit: - Organize and attend activities related to the implementation of schedules and the production of television programs and theatrical and film.	No changes	352
ISCO-08 code 3521	Broadcasting and audio-visual technicians	First stage of tertiary education 5B, 1st, 2nd qualifications (short or medium duration)	Broadcasting and audio-visual technicians control technical functioning of equipment to record and edit images and sound and for transmitting radio and television broadcasts of images and sounds, as well as other types of telecommunication signals on land, sea or in aircraft.		352
3.3.4.7.0	Artists and athletes agents and representatives	Upper secondary school graduation (5 year), post upper secondary school qualification, University graduation (short and medium cycle)	The professions included in this unit: - Represent and promote artists and athletes, taking care of the visibility.	No changes	333
ISCO-08 code 3333	Employment agents and contractors	First stage of tertiary education 5B, 1st, 2nd qualifications (short or medium duration)	Employment agents and contractors match jobseekers with vacancies, find workers for employers and contract labour for particular projects at the request of enterprises and other organizations including government, institutions, or find places for jobseekers for a commission.		333
ISCO-08 code 3339	Business services agents not elsewhere classified	First stage of tertiary education 5B, 1st, 2nd qualifications (short or medium duration)	This unit group covers business services agents not classified elsewhere in Minor group 333, Business services agents. For instance, the group includes those who establish business contacts, sell business services such as advertising space in the media, arrange contracts for performances of athletes, entertainers and artists, for the publication of books, the production of plays, or the recording, performance and sale of music and who sell property and goods by auction.		333

2. Structure User Metadata:

- artists agency;
- curating;
- executive production (theatre);
- planning and conception of programmes (culture and media);
- production (culture and media);
- stage management (theatre);
- theatre directorship;
- tour management;
- utilization of works of art, cultural objects and media products.

3. Related areas/items:
- archives;
 - libraries;
 - museums;
 - sales, advertising, public relations;
 - cultural and media management;
 - music and performing arts;
 - audio video media.

4. Comments:

Relation to culture (in terms of aggregated occupation unit data reporting):

entirely direct	x	entirely hidden		partially	
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The correspondence table of culture occupations by categories (4th level) and occupation units (5th level) to ISCO-08 codes is supplied in the annex (Table 2).

Reference to NACE REV. 2, Divisions 58, 59 e 60 of Classification of economic activities (section R) is made to the respective occupation units of the new edition of classification of occupations.

The data available from the Labour Force survey that map the new edition of classification of occupations (2011) and the classification of economic activities (NACE REV. 2) are not yet available. However, data from the same survey dealing with the previous edition of classification of occupations and the NACE 2002 are presented in the annex (Table 3).

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Annex

Table 2 - Correspondence Table: Culture occupations (Italian statistical classification, year 2011) to ISCO-08

Italian Classif. code(4th level)	Title (category)	Italian Classif. code(5th level)	Title (occupation unit)	ISCO-08 code	Title
1.1.2.3	Territorial education office directors, national cultural heritage superintendents and equivalent	1.1.2.3.2	National cultural heritage Superintendents	1120	Managing directors and chief executives
1.1.2.4	General directors, department and related state administrations of non economic public bodies, local authorities, universities, research bodies and health	1.1.2.4.1	Non-economic public bodies and local authorities general managers, department and related state administrations directors	1120	Managing directors and chief executives
1.1.2.6	Managers and related state administrations of non economic public bodies, local authorities, universities, research bodies and health	1.1.2.6.1	Non-economic public bodies and local authorities executives directors and related state administrations directors	1120	Managing directors and chief executives
1.1.4.2	Managers of charity, cultural, scientific and sport associations of national or supranational interest	1.1.4.2.0	Directors of charity, cultural, scientific and sport associations of national or supranational interest	1114	Senior officials of special-interest organizations
1.2.1.6	Entrepreneurs and managers of large businesses in the sector of transport, stocking, and information and communication services	1.2.1.6.2	Entrepreneurs and managers of large companies in the publishing services, film production, radio and television	1120	Managing directors and chief executives
1.2.1.9	Entrepreneurs and managers of large businesses in the services of education, training, research, health, social assistance and sports, leisure, entertainment and recreation	1.2.1.9.3	Entrepreneurs and managers of large companies in the field of sports, leisure, entertainment and recreation	1431	Sports, recreation and cultural centre managers
1.2.2.6	General managers and directors of businesses in transport, stocking, and information and communication services	1.2.2.6.2	Directors and general managers of companies in the publishing services, film production, radio and television	1330	Information and communications technology service managers
1.3.1.6	Entrepreneurs and chiefs of small businesses in transport, stocking, and information and communication services	1.3.1.6.2	Entrepreneurs and chiefs of small businesses in publishing services, film production, radio and television	1330	Information and communications technology service managers
1.3.1.9	Entrepreneurs and chiefs of small businesses in the services of education, training, research, health, social assistance and sports, leisure, entertainment and recreation	1.3.1.9.3	Entrepreneurs and chiefs of small businesses in the area of sports, leisure, entertainment and recreation	1431	Sports, recreation and cultural centre managers
2.2.2.1	Architects, planners, landscape architects and specialists in the restoration and conservation of land areas	2.2.2.1.1	Architects	2161 2162 2164	Building architects Landscape architects Town and traffic planners
		2.2.2.1.2	Planners, landscape architects and specialists in the restoration and conservation of land areas		
2.5.1.1	Management and control specialists in Public Administration	2.5.1.1.1	Management specialists in Public Administration	2421	Management and organization analysts Policy administration professionals
		2.5.1.1.2	Control specialists in Public Administration	2422	
2.5.3.2	Specialists in sociology and anthropology sciences	2.5.3.2.4	Archaeologists	2632	Sociologists, anthropologists and related professionals
2.5.3.4	Specialists in history sciences, art, politics and philosophy	2.5.3.4.2	Art experts	2632	Sociologists, anthropologists and related professionals
2.5.4.1	Authors and related professions	2.5.4.1.1	Authors and poets	2641	Authors and related writers
		2.5.4.1.2	Script writers		
		2.5.4.1.3	Advertising script editors		
2.5.4.2	Journalists	2.5.4.2.0	Journalists	2642	Journalists
2.5.4.3	High level translators and interpreters	2.5.4.3.0	Senior Interpreters and translators	2643	Translators, interpreters and other linguists
2.5.4.4	Linguistics and philologists	2.5.4.4.2	Script Reviewers	2641	Authors and related writers
2.5.4.5	Archivists, librarians, museum conservators and related professions	2.5.4.5.1	Archivists	2621	Archivists and curators
		2.5.4.5.3	Museum curators and conservators		
		2.5.4.5.2	Librarians	2622	Librarians and related information professionals

Table 2 - continued

Italian Classif. code(4th level)	Title (category)	Italian Classif. code(5th level)	Title (occupation unit)	ISCO-08 code	Title
2.5.5.1	Painters, sculptors, designers and cultural heritage restorers	2.5.5.1.1	Painters and sculptors	2651	Visual artists
		2.5.5.1.2	Art designers and illustrators		
		2.5.5.1.3	Fashion designers	2163	Product and garment designers
		2.5.5.1.4	Commercial artists (fashion excluded)	2166	Graphic and multimedia designers
		2.5.5.1.5	Restorers of Cultural Heritage	2651	Visual artists
2.5.5.2	Directors, art directors, actors, screenwriters and scenographers	2.5.5.2.2	Actors	2655	Actors
		2.5.5.2.4	Screenwriters	2653	Dancers and choreographers
		2.5.5.2.5	Scenographers		
		2.5.5.2.1	Directors (radio, Tv, film, stage and other related performances)	2654	Film, stage and related directors and producers
		2.5.5.2.3	Art directors		
2.5.5.3	Choreographers and dancers	2.5.5.3.1	Choreographers	2653	Dancers and choreographers
		2.5.5.3.2	Dancers		
2.5.5.4	Composers, musicians and singers	2.5.5.4.1	Composers	2652	Musicians, singers and composers
		2.5.5.4.2	Orchestra Conductors and Choral Director		
		2.5.5.4.3	Instrumentalists		
		2.5.5.4.4	Singers		
2.5.5.5	Artists of forms of popular culture, variety and acrobats	2.5.5.5.1	Artists of various forms of popular culture	2659	Creative and performing artists not elsewhere classified
		2.5.5.5.2	Variety performance Artists		
		2.5.5.5.3	Acrobats and circus performers		
2.6.1.3	University professors in engineering sciences and architecture	2.6.1.3.1	University professors in civil engineering sciences and architecture	2310	University and higher education teachers
2.6.1.4	University professors in the sciences of antiquity, philology, literary, historical and artistic	2.6.1.4.0	University professors in the sciences of antiquity, philology, literary, historical and artistic	2310	University and higher education teachers
2.6.2.3	Researchers and technical university graduated in the sciences of architecture and engineering	2.6.2.3.1	Researchers and technical university graduated in the sciences of architecture and civil engineering	2310	University and higher education teachers
2.6.2.4	Researchers and technical university graduated in the sciences of antiquity, literary philological and historical-artistic	2.6.2.4.0	Researchers and technical university graduated in the sciences of antiquity, literary philological and historical-artistic	2310	University and higher education teachers
2.6.3.1	Professors in the academies, conservatories and related educational institutions	2.6.3.1.1	Art teachers in the academies of fine arts and related educational institutions	2310	University and higher education teachers
		2.6.3.1.2	Music teachers in music conservatories and related schools		
		2.6.3.1.3	Teachers of drama and dance academies and related educational institutions		
2.6.3.2	Professors in upper secondary schools	2.6.3.2.5	Teachers of science literature, art, history, philosophy, pedagogy and psychology in the upper secondary schools	2330	Secondary education teachers
2.6.5.5	Teachers in literary and artistic disciplines	2.6.5.5.1	Teachers of visual arts	2355	Other arts teachers
		2.6.5.5.2	Dance teachers	2354 2355	Other music teachers Other arts teachers
		2.6.5.5.3	Singing teachers		
		2.6.5.5.4	Musical Instrument Teachers		
		2.6.5.5.5	Language Teachers	2353	Other language teachers
3.1.2.6	Broadcast radio - television transmitter and telecommunication technicians	3.1.2.6.2	Broadcast transmitter technicians	3521	Broadcasting and audio-visual technicians
3.1.3.5	Civil engineering technicians and related professionals	3.1.3.5.0	Civil engineering technicians and related professionals	3112	Civil engineering technicians
3.1.7.1	Photographers and related professionals	3.1.7.1.0	Photographers and related professionals	3431	Photographers

Table 2 - continued

Italian Classif. code(4th level)	Title (category)	Italian Classif. code(5th level)	Title (occupation unit)	ISCO-08 code	Title
3.1.7.2	Operators of audio-video equipment and video-film footage	3.1.7.2.1	Technicians of audio-video equipment and video-film footage	3521	Broadcasting and audio-visual technicians
		3.1.7.2.2	Sound technicians		
		3.1.7.2.3	Audio-video-film assembling technicians		
3.3.1.1	General administrative, archive technicians, general office technicians and related professions	3.3.1.1.2	Archive and library assistants	3433	Gallery, museum and library technicians
3.3.4.7	Artists and athletes agents and representatives	3.3.4.7.0	Artists and athletes agents and representatives	3333	Employment agents and contractors
3.4.1.2	Trade fairs, exhibitions and cultural events technicians	3.4.1.2.1	Trade fairs, exhibitions and cultural events Organizers	3332	Conference and event planners
3.4.1.3	Tourist entertainers and related professionals	3.4.1.3.0	Entertainers and related professionals	3423	Fitness and recreation instructors and program leaders
3.4.1.5	Guide and specialized tour conductors	3.4.1.5.2	Tourists guide	5113	Travel guides
3.4.2.3	Techniques instructors in art domain	3.4.2.3.0	Art techniques instructors	2355	Other arts teachers
3.4.3.1	Radio, Tv and other recreation performances presenters and announcers	3.4.3.1.2	Performing arts and recreation Presenters	2659	Creative and performing artists not elsewhere classified
		3.4.3.1.1	Radio and television announcers	2656	Announcers on radio, television and other media
3.4.3.2	Radio, TV, theater and film production and organization technicians	3.4.3.2.0	Radio, TV, theater and film production and organization technicians	3521	Broadcasting and audio-visual technicians
3.4.3.3	Entertainers	3.4.3.3.0	Entertainers	3435	Artistic and cultural associate professionals not elsewhere classified
3.4.4.1	Graphic designers, designers and set and scenic construction technicians	3.4.4.1.1	Graphic designers	2166	Graphic and multimedia designers
		3.4.4.1.2	Set and scenic construction technicians	3435	Artistic and cultural associate professionals not elsewhere classified
3.4.4.2	Museum and library technicians and related professions	3.4.4.2.1	Museum technicians	3433	Gallery, museum and library technicians
		3.4.4.2.2	Library technicians		
3.4.4.3	Appraisals, work of art appraisals and related professions	3.4.4.3.3	Calligraphy appraisals	3315	Valuers and loss assessors
		3.4.4.3.1	Works of Art appraisals		
		3.4.4.3.2	Appraisal philatelists and numismatists		
3.4.4.4	Restoration technicians	3.4.4.4.0	Restoration technicians	2651	Visual artists
3.4.5.4	Private security services technicians and related professionals	3.4.5.4.0	Private security services technicians and related professionals	5414	Security guards
4.4.2.1	Archive and files employees and related professionals	4.4.2.1.0	Archive and files employees and related professionals	4413	Coding, proof-reading and related clerks
4.4.2.2	Library employees and related professionals	4.4.2.2.0	Library employees and related professionals	4411	Library clerks
5.1.3.1	Mannequins, models and related professionals	5.1.3.1.0	Mannequins, models and related professionals	5241	Fashion and other models
5.2.3.2	Touristic tour conductors	5.2.3.2.0	Touristic tour conductors	5113	Travel guides
5.4.1.1	Masters of arts and crafts	5.4.1.1.0	Masters of arts and crafts	2355	Other arts teachers
5.4.2.1	Cinemas, theaters, sport activity and recreation operators	5.4.2.1.1	Cinemas and theaters operators	1431	Sports, recreation and cultural centre managers
		5.4.2.1.2	Nightclubs operators		
		5.4.2.1.3	Recreation operators		
5.4.8.6	Private Security Guards	5.4.8.6.0	Private Security Guards	5414	Security guards
6.3.1.3	Music instrument maker, assembler and tuner	6.3.1.3.1	Music Instrument Tuners	7312	Musical instrument makers and tuners
		6.3.1.3.2	Music instrument maker and repairer		
6.3.1.4	Watch and clock makers and repairers	6.3.1.4.0	Watch and clock makers and repairers	7311	Precision-instrument makers and repairers

Table 2 - continued

Italian Classif. code(4th level)	Title (category)	Italian Classif. code(5th level)	Title (occupation unit)	ISCO-08 code	Title
6.3.1.6	Goldsmiths, jewellers and related professions	6.3.1.6.1	Goldsmiths	7311	Precision-instrument makers and repairers
		6.3.1.6.2	Precious stone and gemstone tradespersons	7313	Jewellery and precious metal workers
		6.3.1.6.3	Jewellers		
6.3.2.2	Glass blowers, shapers, cutters, polishers and finishers	6.3.2.2.1	Glass blowers and shapers	7315	Glass makers, cutters, grinders and finishers
6.3.2.3	Glass Etchers and engravers	6.3.2.3.0	Glass Etchers and engravers	7315	Glass makers, cutters, grinders and finishers
6.3.2.4	Glass and ceramics painters and decorators	6.3.2.4.0	Glass and ceramics painters and decorators	7314	Potters and related workers
6.3.3.1	Artistic wood craftworkers and other related materials	6.3.3.1.2	Wood Engravers and carvers	7316	Sign writers, decorative painters, engravers and etchers
6.3.3.2	Handcrafts professionals of artistic textile, leather and other related products	6.3.3.2.1	Handcrafts professionals of artistic textile products	7317	Handicraft workers in wood, basketry and related materials Handicraft workers in textile, leather and related materials Handicraft workers not elsewhere classified
		6.3.3.2.2	Handcrafts professionals of artistic leather products	7318	
				7319	
6.3.4.1	Pre-press tradespersons of polygraph activities	6.3.4.1.0	Pre-press tradespersons of polygraph activities	7321	Pre-press technicians
6.3.4.2	Cylinder and offset printers	6.3.4.2.0	Printing machinists and offset printers	7322	Printers
6.3.4.3	Zincographic, stereotype and electrotype printing machinists	6.3.4.3.0	Zincographic, stereotype and electrotype printing machinists	7322	Printers
6.3.4.4	Etchers craft professionals, screen printers, gravure printing and other related professions	6.3.4.4.2	Lithographic, gravure printing machinist and screen printers	7322	Printers
6.3.4.4	Etchers craft professionals, screen printers, gravure printing and other related professions	6.3.4.4.1	Etchers craft professionals	7317	Handicraft workers in wood, basketry and related materials Handicraft workers in textile, leather and related materials Handicraft workers not elsewhere classified
				7318	
				7319	
6.3.4.5	Binders and related professions	6.3.4.5.0	Post-press binders and finishers	7323	Print finishing and binding workers
6.5.3.5	Hand embroideriers, lingerie and other related professions	6.5.3.5.3	Lacemakers and hand embroideriers	7317	Handicraft workers in wood, basketry and related materials Handicraft workers in textile, leather and related materials Handicraft workers not elsewhere classified
				7318	
				7319	
6.5.5.1	Stage machinists	6.5.5.1.0	Stage machinists	7233	Agricultural and industrial machinery mechanics and repairers
7.2.5.1	Conductors of machines for typography and printing on paper and cardboard	7.2.5.1.0	Printing machines conductors for typography and printing on paper and cardboard	7322	Printers
7.2.5.3	Conductors of machines for bookbinding and other similar publications	7.2.5.3.0	Conductors of machines for bookbinding and other similar publications	7323	Print finishing and binding workers
8.1.6.1	Non qualified personnel to ensure building, equipment and goods security service is kept and maintained	8.1.6.1.1	Cautioning caretakers (non qualified personnel) to ensure building security service is kept	9629	Elementary workers not elsewhere classified
		8.1.6.1.3	Cautioning caretakers (non qualified personnel) to ensure equipment and goods security service is maintained		
8.2.1.1	Recreation and cultural services non qualified personnel	8.2.1.1.0	Recreation and cultural services attendant (non qualified personnel)	9629	Elementary workers not elsewhere classified

Table 3 - Culture occupations 2006 and 2011 by previous edition of classification by economic activities (NACE 2002) as declared in the Labour Force Survey, year 2010

Occupation code previous edition (2006)	Nace 2002	Code and Title occupation classification 2011/Nace 2002 Title	Cumulated %	Range number	Total number of Nace 2002 activities
1123		1.1.2.3.2 National cultural heritage Superintendents			
1123	7512	Regulation of the activities of agencies that provide health care, education, cultural services and other social services, excluding social security	53,42	1	4
1124		1.1.2.4.1 Non-economic public bodies and local authorities general managers, department and related state administrations directors			
1124	7511	General (overall) public service activities	12,41	1	69
1124	8511	Hospital activities	24,63	2	69
1124	8021	General secondary education	29,84	3	69
1124	7524	Public security, law and order activities	34,51	4	69
1124	5211	Retail sale in non-specialized stores with food, beverages or tobacco predominating	38,04	5	69
1124	7512	Regulation of the activities of agencies that provide health care, education, cultural services and other social services, excluding social security	41,24	6	69
1124	8010	Primary education	44,14	7	69
1124	7513	Regulation of and contribution to more efficient operation of business	47,00	8	69
1124	8514	Other human health activities	49,85	9	69
1124	4022	Distribution and trade of gaseous fuels through mains	51,90	10	69
1124	7487	Other business activities n,e,c,	53,88	11	69
1124	6411	National post activities	55,77	12	69
1124	8042	Adult and other education n,e,c,	57,61	13	69
1124	9133	Activities of other membership organizations n,e,c,	59,39	14	69
1125		1.1.2.6.1 Non-economic public bodies and local authorities executives directors and related state administrations directors			
1125	8511	Hospital activities	35,37	1	37
1125	7511	General (overall) public service activities	60,35	2	37
1125	7512	Regulation of the activities of agencies that provide health care, education, cultural services and other social services, excluding social security	68,66	3	37
1142		1.1.4.2.0 Directors of charity, cultural, scientific and sport associations of national or supranational interest			
1142	9133	Activities of other membership organizations n,e,c,	57,33	1	6
2220		2.2.2.1.1 Architects			
2220		2.2.2.1.2 Planners, landscape architects and specialists in the restoration and conservation of land areas			
2220	7420	Architectural and engineering activities and related technical consultancy	79,31	1	54
2220	9252	Museums activities and preservation of historical sites and buildings	97,36	25	54
2511		2.5.1.1.1 Management specialists in Public Administration			
2511		2.5.1.1.2 Control specialists in Public Administration			
2511	7511	General (overall) public service activities	49,39	1	70
2511	7514	Supporting service activities for the government as a whole	56,13	2	70
2511	7512	Regulation of the activities of agencies that provide health care, education, cultural services and other social services, excluding social security	61,70	3	70
2511	9252	Museums activities and preservation of historical sites and buildings	98,52	49	70
2511	9251	Library and archives activities	99,88	65	70
2532		2.5.3.2.4 Archaeologists			
2532	7511	General (overall) public service activities	15,70	1	20
2532	7420	Architectural and engineering activities and related technical consultancy	29,94	2	20

Table 3 - continued

Occupation code previous edition (2006)	Nace 2002	Code and Title occupation classification 2011/Nace 2002 Title	Cumulated %	Range number	Total number of Nace 2002 activities
2532	7320	Research and experimental development on social sciences and humanities	43,35	3	20
2532	4512	Test drilling and boring	54,47	4	20
2532	7514	Supporting service activities for the government as a whole	64,86	5	20
2532	7512	Regulation of the activities of agencies that provide health care, education, cultural services and other social services, excluding social security	91,80	12	20
2532	9252	Museums activities and preservation of historical sites and buildings	99,24	18	20
2534		2.5.3.4.2 Art experts			
2534	5248	Other retail sale in specialized stores	25,34	1	7
2534	9252	Museums activities and preservation of historical sites and buildings	44,57	2	7
2534	8030	Higher education	56,88	3	7
2541		2.5.4.1.1 Authors and poets			
2541		2.5.4.1.2 Script writers			
2541		2.5.4.1.3 Advertising script editors			
2541	2211	Publishing of books	29,91	1	19
2541	7440	Advertising	44,41	2	19
2541	9231	Artistic and literary creation and interpretation	55,53	3	19
2541	2232	Reproduction of video recording	63,07	4	19
2541	7413	Market research and public opinion polling	88,19	10	19
2542		2.5.4.2.0 Journalists			
2542	9240	News agency activities	31,49	1	28
2542	2212	Publishing of newspapers	50,72	2	28
2542	2221	Printing of newspapers	61,72	3	28
2542	9220	Radio and television activities	69,09	4	28
2542	2213	Publishing of journals and periodicals	75,88	5	28
2542	6420	Telecommunications	80,40	6	28
2542	7511	General (overall) public service activities	83,85	7	28
2543		2.5.4.3.0 Senior Interpreters and translators			
2543	7485	Secretarial and translation activities	67,94	1	31
2543	2211	Publishing of books	87,67	11	31
2544		2.5.4.4.2 Script Reviewers			
2544	8030	Higher education	43,20	1	7
2544	2212	Publishing of newspapers	65,36	2	7
2545		2.5.4.5.1 Archivists			
2545		2.5.4.5.2 Librarians			
2545		2.5.4.5.3 Museum curators and conservators			
2545	9251	Library and archives activities	31,56	1	27
2545	7511	General (overall) public service activities	52,26	2	27
2545	8030	Higher education	64,75	3	27
2551		2.5.5.1.1 Painters and sculptors			
2551		2.5.5.1.2 Art designers and illustrators			

Table 3 - continued

Occupation code previous edition (2006)	Nace 2002	Code and Title occupation classification 2011/Nace 2002 Title	Cumulated %	Range number	Total number of Nace 2002 activities
2551		2.5.5.1.5 Restorers of Cultural Heritage			
2551		2.5.5.1.4 Commercial artists (fashion excluded)			
2551	9231	Artistic and literary creation and interpretation	71,84	1	26
2551	7487	Other business activities n,e,c,	77,28	2	26
2551	7512	Regulation of the activities of agencies that provide health care, education, cultural services and other social services, excluding social security	80,83	3	26
2552		2.5.5.2.1 Directors (radio, Tv, film, stage and other related performances)			
2552		2.5.5.2.2 Actors			
2552		2.5.5.2.4 Screenwriters			
2552		2.5.5.2.5 Scenographers			
2552		2.5.5.2.3 Art directors			
2552	9231	Artistic and literary creation and interpretation	33,75	1	22
2552	9211	Motion picture and video production	53,13	2	22
2552	9232	Operation of arts facilities	63,34	3	22
2552	9220	Radio and television activities	72,42	4	22
2552	2212	Publishing of newspapers	75,61	5	22
2552	8022	Technical and vocational secondary education	78,37	6	22
2552	2670	Cutting, shaping and finishing of ornamental and building stone	81,13	7	22
2553		2.5.5.3.1 Choreographers			
2553		2.5.5.3.2 Dancers			
2553	9232	Operation of arts facilities	60,81	1	6
2553	9234	Other entertainment activities n,e,c,	75,77	2	6
2553	9231	Artistic and literary creation and interpretation	88,21	3	6
2553	9220	Radio and television activities	93,71	4	6
2553	9133	Activities of other membership organizations n,e,c,	98,26	5	6
2553	9233	Fair and amusement park activities	100,00	6	6
2554		2.5.5.4.1 Composers			
2554		2.5.5.4.2 Orchestra Conductors and Choral Director			
2554		2.5.5.4.3 Instrumentalists			
2554	9231	Artistic and literary creation and interpretation	66,64	1	13
2554	9232	Operation of arts facilities	75,90	2	13
2555		2.5.5.4.4 Singers			
2555	9231	Artistic and literary creation and interpretation	59,23	1	5
2555	9232	Operation of arts facilities	79,73	2	5
2614		2.6.1.4.0 University professors in the sciences of antiquity, philology, literary, historical and artistic			
2614	8030	Higher education	84,89	1	3
2620		2.6.2.3.1 Researchers and technical university graduated in the sciences of architecture and civil engineering			
2620		2.6.2.4.0 Researchers and technical university graduated in the sciences of antiquity, literary philological and historical-artistic			
2620	8030	Higher education	44,88	1	46

Table 3 - continued

Occupation code previous edition (2006)	Nace 2002	Code and Title occupation classification 2011/Nace 2002 Title	Cumulated %	Range number	Total number of Nace 2002 activities
2620	7310	Research and experimental development on natural sciences and engineering	72,19	2	46
2620	8511	Hospital activities	77,21	3	46
2620	7320	Research and experimental development on social sciences and humanities	79,96	4	46
2631		2.6.3.1.1 Art teachers in the academies of fine arts and related educational institutions			
2631		2.6.3.1.2 Music teachers in music conservatories and related schools			
2631		2.6.3.1.3 Teachers of drama and dance academies and related educational institutions			
2631	8022	Technical and vocational secondary education	56,79	1	10
2631	8021	General secondary education	75,65	2	10
2631	8042	Adult and other education n,e,c,	87,79	3	10
2631	9232	Operation of arts facilities	91,11	4	10
2631	9231	Artistic and literary creation and interpretation	94,05	5	10
2632		2.6.3.2.5 Teachers of science literature, art, history, philosophy, pedagogy and psychology in the upper secondary schools			
2632	8021	General secondary education	59,29	1	25
2632	8022	Technical and vocational secondary education	93,11	2	25
2632	8030	Higher education	95,57	3	25
3125		3.1.3.5.0 Civil engineering technicians and related professionals			
3125	7420	Architectural and engineering activities and related technical consultancy	48,70	1	106
3141		3.1.7.1.0 Photographers and related professionals			
3141	7481	Photographic activities	82,00	1	15
3141	9240	News agency activities	86,57	2	15
3141	5248	Other retail sale in specialized stores	90,91	3	15
3141	7310	Research and experimental development on natural sciences and engineering	92,73	4	15
3141	7440	Advertising	94,17	5	15
3141	9211	Motion picture and video production	95,49	6	15
3142		3.1.2.6.2 Broadcast transmitter technician			
3142	6420	Telecommunications	54,44	1	13
3143		3.1.7.2.1 Technicians of audio-video equipment and video-film footage			
3143		3.1.7.2.2 Sound technician			
3143		3.1.7.2.3 Audio-video-film assembling technicians			
3143	9220	Radio and television activities	20,48	1	28
3143	9211	Motion picture and video production	36,73	2	28
3143	6420	Telecommunications	47,60	3	28
3143	9213	Motion picture projection	58,34	4	28
3143	9234	Other entertainment activities n,e,c,	63,73	5	28
3143	7481	Photographic activities	68,26	6	28
3311		3.3.1.1.2 Archive and library assistants			
3311	7511	General (overall) public service activities	10,15	1	213
3311	8512	Medical practice activities	14,29	2	213
3311	7411	Legal activities	17,78	3	213

Table 3 - continued

Occupation code previous edition (2006)	Nace 2002	Code and Title occupation classification 2011/Nace 2002 Title	Cumulated %	Range number	Total number of Nace 2002 activities
3311	5510	Hotels	21,01	4	213
3311	7412	Accounting, book-keeping and auditing activities; tax consultancy	23,85	5	213
3311	4521	General construction of buildings and civil engineering works	26,26	6	213
3311	8030	Higher education	28,61	7	213
3311	8021	General secondary education	30,79	8	213
3311	8511	Hospital activities	32,94	9	213
3311	4531	Installation of electrical wiring and fittings	35,07	10	213
3311	7420	Architectural and engineering activities and related technical consultancy	36,76	11	213
3311	6024	Freight transport by road	38,39	12	213
3311	7512	Regulation of the activities of agencies that provide health care, education, cultural services and other social services, excluding social security	39,93	13	213
3311	9133	Activities of other membership organizations n,e,c,	41,46	14	213
3311	5020	Maintenance and repair of motor vehicles	42,96	15	213
3311	7414	Business and management consultancy activities	44,45	16	213
3311	9251	Library and archives activities	45,93	17	213
3311	9120	Activities of trade unions	47,35	18	213
3311	8513	Dental practice activities	48,67	19	213
3311	6720	Activities auxiliary to insurance and pension funding	49,84	20	213
3311	6512	Other monetary intermediation	50,97	21	213
3311	8010	Primary education	52,08	22	213
3311	9111	Activities of business and employers organizations	53,16	23	213
3311	9112	Activities of professional organizations	54,13	24	213
3311	7514	Supporting service activities for the government as a whole	55,08	25	213
3311	4533	Plumbing	56,01	26	213
3311	5142	Wholesale of clothing and footwear	56,90	27	213
3311	9002	Collection and treatment of other waste	57,78	28	213
3311	7031	Real estate agencies	58,64	29	213
3311	5154	Wholesale of hardware, plumbing and heating equipment and supplies	59,47	30	213
3311	8042	Adult and other education n,e,c,	60,29	31	213
3311	6420	Telecommunications	61,11	32	213
3311	7032	Management of real estate on a fee or contract basis	61,91	33	213
3311	7310	Research and experimental development on natural sciences and engineering	62,66	34	213
3311	3614	Manufacture of other furniture	63,37	35	213
3311	7222	Other software consultancy and supply	64,04	36	213
3311	7487	Other business activities n,e,c,	64,70	37	213
3349		3.3.4.7.0 Artists and athletes agents and representatives			
3349	5030	Sale of motor vehicle parts and accessories	11,86	1	25
3349	5530	Restaurants	21,30	2	25
3349	3310	Manufacture of medical and surgical equipment and orthopaedic appliances	30,43	3	25
3349	9231	Artistic and literary creation and interpretation	37,25	4	25

Table 3 - continued

Occupation code previous edition (2006)	Nace 2002	Code and Title occupation classification 2011/Nace 2002 Title	Cumulated %	Range number	Total number of Nace 2002 activities
3349	5147	Wholesale of other household goods	43,48	5	25
3349	5248	Other retail sale in specialized stores	49,27	6	25
3349	5184	Wholesale of computers, computer peripheral equipment and software	54,63	7	25
3349	7487	Other business activities n,e,c,	59,06	8	25
3349	2612	Shaping and processing of flat glass	63,41	9	25
3349	7032	Management of real estate on a fee or contract basis	67,33	10	25
3349	7450	Labour recruitment and provision of personnel	71,09	11	25
3349	9211	Motion picture and video production	74,82	12	25
3349	9234	Other entertainment activities n,e,c,	90,98	18	25
3412		3.4.1.2.1 Trade fairs, exhibitions and cultural events Organizers			
3412	7487	Other business activities n,e,c,	26,53	1	25
3412	9234	Other entertainment activities n,e,c,	37,29	2	25
3412	7511	General (overall) public service activities	46,81	3	25
3412	7440	Advertising	53,85	4	25
3412	5510	Hotels	60,85	5	25
3412	9231	Artistic and literary creation and interpretation	66,36	6	25
3412	9272	Other recreational activities n,e,c,	92,74	16	25
3412	9252	Museums activities and preservation of historical sites and buildings	98,02	21	25
3413		3.4.1.3.0 Entertainers and related professionals			
3413	9234	Other entertainment activities n,e,c,	33,43	1	20
3413	8531	Social work activities with accommodation	45,72	2	20
3413	7450	Labour recruitment and provision of personnel	52,73	3	20
3413	8532	Social work activities without accommodation	59,51	4	20
3413	5523	Other provision of lodgings n,e,c,	66,10	5	20
3413	9233	Fair and amusement park activities	71,59	6	20
3415		3.4.1.5.2 Tourists guide			
3415	6330	Activities of travel agencies and tour operators; tourist assistance activities n,e,c,	74,19	1	11
3415	9252	Museums activities and preservation of historical sites and buildings	85,04	2	11
3432		2.6.5.5.1 Teachers of visual arts			
3432		2.6.5.5.2 Dance teachers			
3432		2.6.5.5.3 Singing teachers			
3432		2.6.5.5.4 Musical Instrument Teachers			
3432		3.4.2.3.0 Art techniques instructors			
3432		2.6.5.5.5 Language Teachers			
3432	8042	Adult and other education n,e,c,	31,02	1	15
3432	9234	Other entertainment activities n,e,c,	58,47	2	15
3432	8021	General secondary education	89,62	7	15
3432	8030	Higher education	91,68	8	15
3441		3.4.3.1.2 Performing arts and recreation Presenters			

Table 3 - continued

Occupation code previous edition (2006)	Nace 2002	Code and Title occupation classification 2011/Nace 2002 Title	Cumulated %	Range number	Total number of Nace 2002 activities
3441		3.4.3.1.1 Radio and television announcers			
3441	6420	Telecommunications	22,36	1	5
3441	9234	Other entertainment activities n,e,c,	44,60	2	5
3441	9231	Artistic and literary creation and interpretation	65,60	3	5
3441	2231	Reproduction of sound recording	86,08	4	5
3441	9220	Radio and television activities	100,00	5	5
3442		3.4.4.1.2 Set and scenic construction technicians			
3442		3.4.4.1.1 Graphic designer			
3442		2.5.5.1.3 Fashion designers			
3442	7440	Advertising	41,37	1	78
3442	7487	Other business activities n,e,c,	50,97	2	78
3442	2222	Printing n,e,c,	58,06	3	78
3442	2213	Publishing of journals and periodicals	61,95	4	78
3442	7420	Architectural and engineering activities and related technical consultancy	65,07	5	78
3442	7260	Other computer related activities	67,26	6	78
3442	1822	Manufacture of other outerwear	69,45	7	78
3442	9220	Radio and television activities	71,45	8	78
3442	9231	Artistic and literary creation and interpretation	73,28	9	78
3442	2211	Publishing of books	76,88	11	78
3442	3410	Manufacture of motor vehicles	78,38	12	78
3442	2225	Ancillary activities related to printing	79,72	13	78
3442	2224	Pre-press activities	81,05	14	78
3442	5244	Retail sale of furniture, lighting equipment and household articles n,e,c,	82,13	15	78
3442	7481	Photographic activities	86,08	20	78
3442	9211	Motion picture and video production	87,97	23	78
3442	2223	Bookbinding	90,31	27	78
3442	2212	Publishing of newspapers	92,36	31	78
3442	9232	Operation of arts facilities	99,26	62	78
3443		3.4.4.2.1 Museum technicians			
3443		3.4.4.2.2 Library technicians			
3443	7511	General (overall) public service activities	45,83	1	7
3443	9252	Museums activities and preservation of historical sites and buildings	66,63	2	7
3443	9251	Library and archives activities	79,62	3	7
3443	7310	Research and experimental development on natural sciences and engineering	85,97	4	7
3443	8010	Primary education	92,15	5	7
3443	7512	Regulation of the activities of agencies that provide health care, education, cultural services and other social services, excluding social security	97,92	6	7
3443	7460	Investigation and security activities	100,00	7	7
3444		3.4.4.3.3 Calligraphy appraisals			
3444		3.4.4.3.1 Works of Art appraisals			

Table 3 - continued

Occupation code previous edition (2006)	Nace 2002	Code and Title occupation classification 2011/Nace 2002 Title	Cumulated %	Range number	Total number of Nace 2002 activities
3444		3.4.4.3.2 Appraisal philatelists and numismatists			
3444	7485	Secretarial and translation activities	52,68	1	2
3444	7487	Other business activities n,e,c,	100,00	2	2
3445		3.4.3.2.0 Radio, TV, theater and film production and organisation technicians			
3445	9220	Radio and television activities	29,27	1	15
3445	9211	Motion picture and video production	46,63	2	15
3445	9232	Operation of arts facilities	60,44	3	15
3445	9231	Artistic and literary creation and interpretation	70,54	4	15
3446		2.5.5.5.1 Artists of various forms of popular culture			
3446		2.5.5.5.2 Variety Artists			
3446		2.5.5.5.3 Acrobats and circus performers			
3446		3.4.3.3.0 Entertainers			
3446	9231	Artistic and literary creation and interpretation	44,81	1	3
3446	9234	Other entertainment activities n,e,c,	72,53	2	3
3455		3.4.5.4.0 Private security services technicians and related professionals			
3455	7460	Investigation and security activities	41,17	1	15
3455	3410	Manufacture of motor vehicles	61,41	3	15
3455	9251	Library and archives activities	92,82	10	15
4141		4.4.2.1.0 Archive and files employees and related professionals			
4141	7511	General (overall) public service activities	19,73	1	125
4141	8511	Hospital activities	25,01	2	125
4141	7411	Legal activities	29,24	3	125
4141	7514	Supporting service activities for the government as a whole	32,28	4	125
4141	7523	Justice and judicial activities	35,30	5	125
4141	7412	Accounting, book-keeping and auditing activities; tax consultancy	37,83	6	125
4141	7230	Data processing	40,21	7	125
4141	6411	National post activities	42,49	8	125
4141	6512	Other monetary intermediation	44,66	9	125
4141	8512	Medical practice activities	46,56	10	125
4141	9111	Activities of business and employers organizations	48,39	11	125
4141	6603	Non-life insurance	50,22	12	125
4141	7512	Regulation of the activities of agencies that provide health care, education, cultural services and other social services, excluding social security	52,00	13	125
4141	7513	Regulation of and contribution to more efficient operation of business	53,77	14	125
4141	7450	Labour recruitment and provision of personnel	55,52	15	125
4141	8030	Higher education	57,12	16	125
4141	7420	Architectural and engineering activities and related technical consultancy	58,61	17	125
4141	7530	Compulsory social security activities	59,96	18	125
4141	6720	Activities auxiliary to insurance and pension funding	61,26	19	125
4141	3613	Manufacture of other kitchen furniture	62,55	20	125

Table 3 - continued

Occupation code previous edition (2006)	Nace 2002	Code and Title occupation classification 2011/Nace 2002 Title	Cumulated %	Range number	Total number of Nace 2002 activities
4141	3340	Manufacture of optical instruments and photographic equipment	63,72	21	125
4141	4521	General construction of buildings and civil engineering works	64,88	22	125
4141	2943	Manufacture of other machine tools n,e,c,	65,96	23	125
4141	9251	Library and archives activities	67,04	24	125
4141	9252	Museums activities and preservation of historical sites and buildings	71,44	29	125
4142		4.4.2.2.0 Library employees and related professionals			
4142	9251	Library and archives activities	49,58	1	10
4142	7511	General (overall) public service activities	81,02	2	10
5131		5.1.3.1.0 Mannequins, models and related professionals			
5131	5147	Wholesale of other household goods	86,93	1	2
5311		5.4.1.1.0 Masters of arts and crafts			
5511		5.4.2.1.3 Recreation operators			
5511		5.4.2.1.1 Cinemas and theaters operators			
5511		5.4.2.1.2 Nightclubs operators			
5511	9261	Operation of sports arenas and stadiums	32,63	1	17
5511	9272	Other recreational activities n,e,c,	46,27	2	17
5511	9234	Other entertainment activities n,e,c,	58,51	3	17
5512		5.2.3.2.0 Touristic tour conductors			
5512	6330	Activities of travel agencies and tour operators; tourist assistance activities n,e,c,	52,53	1	6
5512	9133	Activities of other membership organizations n,e,c,	71,29	2	6
5512	7511	General (overall) public service activities	86,55	3	6
5512	9252	Museums activities and preservation of historical sites and buildings	91,45	4	6
6313		6.3.1.3.1 Music Instrument Tuners			
6313		6.3.1.3.2 Music instrument maker and repairer			
6313	3630	Manufacture of musical instruments	73,90	1	4
6313	7487	Other business activities n,e,c,	90,85	2	4
6314		6.3.1.4.0 Watch and clock makers and repairers			
6314	3350	Manufacture of watches and clocks	57,53	1	5
6314	5273	Repair of watches, clocks and jewellery	73,11	2	5
6316		6.3.1.6.1 Goldsmiths			
6316		6.3.1.6.2 Precious stone and gemstone tradepersons			
6316		6.3.1.6.3 Jewellers			
6316	3622	Manufacture of jewellery and related articles n,e,c,	69,90	1	20
6316	5248	Other retail sale in specialized stores	79,99	2	20
6316	2741	Precious metals production	86,86	3	20
6316	3661	Manufacture of imitation jewellery	89,06	4	20
6316	5273	Repair of watches, clocks and jewellery	99,25	16	20
6322		6.3.2.2.1 Glass blowers and shapers			
6322	2615	Manufacture and processing of other glass, including technical glassware	27,92	1	18

Table 3 - continued

Occupation code previous edition (2006)	Nace 2002	Code and Title occupation classification 2011/Nace 2002 Title	Cumulated %	Range number	Total number of Nace 2002 activities
6322	2612	Shaping and processing of flat glass	55,68	2	18
6322	2613	Manufacture of hollow glass	69,39	3	18
6323		6.3.2.3.0 Glass Etchers and engravers			
6323	2612	Shaping and processing of flat glass	84,52	1	2
6324		6.3.2.4.0 Glass and ceramics painters and decorators			
6324	2630	Manufacture of ceramic tiles and flags	32,90	1	18
6324	2621	Manufacture of ceramic household and ornamental articles	50,55	2	18
6324	2613	Manufacture of hollow glass	59,29	3	18
6324	2670	Cutting, shaping and finishing of ornamental and building stone	81,66	7	18
6331		6.3.3.1.2 Wood Engravers and carvers			
6331	2051	Manufacture of other products of wood	23,54	1	15
6331	3614	Manufacture of other furniture	44,24	2	15
6331	2111	Manufacture of pulp	57,60	3	15
6332		6.3.3.2.1 Handcrafts professionals of artistic textile products			
6332		6.3.3.2.2 Handcrafts professionals of artistic leather products			
6332	1824	Manufacture of other wearing apparel and accessories n,e,c,	13,00	1	29
6332	1920	Manufacture of luggage, handbags and the like, saddlery and harness	23,41	2	29
6332	1754	Manufacture of other textiles n,e,c,	31,11	3	29
6332	1930	Manufacture of footwear	37,96	4	29
6332	1772	Manufacture of knitted and crocheted pullovers, cardigans and similar articles	44,80	5	29
6332	5243	Retail sale of footwear and leather goods	50,18	6	29
6332	3611	Manufacture of chairs and seats	54,94	7	29
6332	1740	Manufacture of made-up textile articles, except apparel	59,42	8	29
6332	3150	Manufacture of lighting equipment and electric lamps	63,68	9	29
6341		6.3.4.1.0 Pre-press tradespersons of polygraph activities			
6341	2222	Printing n,e,c,	65,14	1	9
6341	2224	Pre-press activities	77,79	2	9
6343		6.3.4.2.0 Printing machinists and offset printers			
6343	2222	Printing n,e,c,	40,68	1	20
6343	2221	Printing of newspapers	53,99	2	20
6343	7440	Advertising	61,66	3	20
6343	2224	Pre-press activities	86,08	9	20
6343	2225	Ancillary activities related to printing	92,58	12	20
6343	2215	Other publishing	95,75	14	20
6343	9252	Museums activities and preservation of historical sites and buildings	97,00	15	20
6344		6.3.4.3.0 Zincographic, stereotype and electrotype printing machinists			
6344	2224	Pre-press activities	74,23	1	2
6344	2225	Ancillary activities related to printing	100,00	2	2
6345		6.3.4.4.1 Etchers craft professionals			
6345		6.3.4.4.2 Lithographic, gravure printing machinist and screen printers			

Table 3 - continued

Occupation code previous edition (2006)	Nace 2002	Code and Title occupation classification 2011/Nace 2002 Title	Cumulated %	Range number	Total number of Nace 2002 activities
6345	2222	Printing n,e,c,	63,10	1	24
6345	2224	Pre-press activities	69,36	2	24
6345	2621	Manufacture of ceramic household and ornamental articles	73,41	3	24
6345	2211	Publishing of books	76,66	4	24
6345	2851	Treatment and coating of metals	79,70	5	24
6346		6.3.4.5.0 Post-press binders and finishers			
6346	2223	Bookbinding	59,75	1	10
6346	2222	Printing n,e,c,	80,65	2	10
6535		6.5.3.5.3 Lacemakers and hand embroideriers			
6535	1823	Manufacture of underwear	14,25	1	32
6535	1740	Manufacture of made-up textile articles, except apparel	28,43	2	32
6535	1771	Manufacture of knitted and crocheted hosiery	40,26	3	32
6535	1822	Manufacture of other outerwear	49,99	4	32
6535	1754	Manufacture of other textiles n,e,c,	58,72	5	32
6535	1730	Finishing of textiles	65,60	6	32
6610		6.5.5.1.0 Stage machinists			
6610	9211	Motion picture and video production	51,71	1	6
6610	9231	Artistic and literary creation and interpretation	72,15	2	6
6610	9213	Motion picture projection	90,15	3	6
7251		7.2.5.1.0 Printing machines conductors for typography and printing on paper and cardboard			
7251	2222	Printing n,e,c,	48,42	1	16
7251	2121	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	58,08	2	16
7251	7440	Advertising	64,67	3	16
7253		7.2.5.3.0 Conductors of machines for bookbinding and other similar publications			
7253	2223	Bookbinding	37,25	1	8
7253	2222	Printing n,e,c,	52,55	2	8
7253	1772	Manufacture of knitted and crocheted pullovers, cardigans and similar articles	64,99	3	8
8410		8.2.1.1.0 Recreation and cultural services attendant (non qualified personnel)			
8410	9232	Operation of arts facilities	13,54	1	29
8410	9261	Operation of sports arenas and stadiums	22,75	2	29
8410	7511	General (overall) public service activities	29,30	3	29
8410	9213	Motion picture projection	35,64	4	29
8410	9233	Fair and amusement park activities	41,68	5	29
8410	5523	Other provision of lodgings n,e,c,	47,05	6	29
8410	8010	Primary education	52,28	7	29
8410	9234	Other entertainment activities n,e,c,	57,43	8	29
8410	9272	Other recreational activities n,e,c,	62,56	9	29

Source: Istat (www.istat.it)

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