VETASSESS

Information sheet

Other Spatial Scientist

ANZSCO: 232214 **Group A**

About this document

- The following Information Sheet is for your reference only and should be used as a guide to assist with your Skills Assessment application to VETASSESS. This information is subject to change.
- Please note that a Skills Assessment of the qualification involves assessment of both the qualification level and content. Qualifications are assessed according to the guidelines published by the Australian Government Department of Education.
- The employment assessment involves determining the skill level and relevance of the tasks undertaken.
- Integrity checks may be conducted to verify the qualification and employment claims made in an application.

Job description

An Other Spatial Scientist acquires, integrates, analyses, interprets, presents, manages and distributes information about locations in space and time, and develops related equipment, software and services.

Occupations considered suitable under this ANZSCO code:

- Geographic Information Systems Manager
- Geospatial Analyst

Occupations not considered under this ANZSCO code:

- Surveying or Spatial Science Technician
- Cartographer
- Surveyor
- Urban & Regional Planner
- University Lecturer

These occupations are classified elsewhere in ANZSCO or are not at the required skill level.

Other Spatial Scientist is a VETASSESS Group A occupation

This occupation requires a qualification assessed as comparable to the educational level of an Australian Qualifications Framework (AQF) Bachelor degree or higher, in a field highly relevant to the nominated occupation.

GROUP A	Criteria for a suitable Skills Assessment		
	Comparable Bachelor degree AQF level	With highly relevant major field of study	Relevant employment duration
1	 +	 +	
Pre-qualification methodology does not apply to Group A occupations			

The information below describes the available pathways for a Skills Assessment under**Group A**. Please note that in order to achieve a suitable Skills Assessment Outcome, a suitable assessment for both qualifications and employment is required.

Pathway 1

This pathway requires a qualification assessed as comparable to the education level of an Australian Qualifications Framework (AQF) Bachelor degree or higher degree and in a field highly relevant to the nominated occupation.

Bachelor degree or higher degree includes AQF Master Degree or AQF Doctoral Degree.

In addition, it is essential for applicants to meet the following employment criteria:

- at least **one** year of post-qualification employment at an appropriate skill level, undertaken in the last five years,
- working 20 hours or more per week, and
- highly relevant to the nominated occupation.

Qualification

This includes qualifications assessed at AQF Bachelor, Master and Doctoral level.

Courses that contain a high concentration of subjects in the application of Geographic Information Systems (GIS), geospatial analysis, cartography/mapping and other geospatial data collation methods (such as photogrammetry, remote sensing, image processing or geomatics) may also be deemed highly relevant.

Further to the primary focus on Geographic Information Science subjects, other relevant subjects may include, but are not limited to, Urban Research and Planning, Computer Science, Environmental Science, Demography, Climatology and Hydrology.

Highly relevant major fields of study include:

- Geographic Information Science

Employment

Highly relevant tasks include, but are not limited to:

- Supervising the preparation of plans, maps, charts and drawings to give pictorial representations and managing spatial information systems.
- Evaluating, compiling and maintaining spatial information using a range of digital and graphical source materials, including aerial photographs, satellite imagery, survey documents, existing maps and records, historical data, reports and statistics.
- Developing and trialing new applications for use in geographic information systems.
- Supervising and coordinating the work of Surveying or Spatial Science Technicians in the production and reproduction of geographic products.

Additional tasks may include:

- Designing or coordinating the development of integrated Geographic Information Systems (GIS) spatial or non-spatial databases.
- Performing geospatial data building, modeling, or analysis using advanced spatial analysis, data manipulation, or cartography software.
- Planning, developing, training and coordinating the use and deployment of GISs.
- Designing or preparing graphic representations of Geographic Information Systems (GIS) data using GIS hardware or software applications.
- Providing technical and analytical support to address issues such as environmental management, exploration and mining, land ownership and titles, urban and regional planning, utilities and asset management, and demographic marketing.
- Reviewing existing or incoming data for currency, accuracy, usefulness, quality, or completeness of documentation.

Employment Information

Other Spatial Scientists are primarily engaged in the development, use and application of Geographic Information Systems (GIS), software solutions and services that are centred on the collation and distribution of geospatial data. Applicants employed in roles suitable for assessment under this occupation may be employed for a wide variety of purposes in a range of different employment contexts - from creation of centralised mapping databases to support utility companies or local councils, through to comprehensive systems employed by governments and non-government organisations to support disaster preparedness, environmental conservation and land management strategies.

Roles with a focus on the performance of technical data acquisition and spatial equipment calibration may be better suited to the alternative ANZSCO occupation of Surveying or Spatial Science Technician. Employment positions with the sole purpose of producing cartographic output or maps may be better suited to the separate ANZSCO occupation of Cartographer. As such, these roles are not considered relevant under this occupation. Additionally, positions undertaken in an academic setting that are focused on teaching, lecturing and supervision of students in the spatial sciences would also not be considered appropriate for assessment under this occupation.

Supporting material for assessment

When applying for a Skills Assessment, please ensure you submit sufficient evidence supporting your proof of identity, qualification and employment claims. A full list of the documents required can be found on the VETASSESS website under Eligibility Criteria.