

## POSITION DESCRIPTION



<b>Title:</b>	Geodetic Processing Specialist	
<b>Group:</b>	Natural Hazards	
<b>Reports To:</b>	GeoNet Data Centre Manager	
<b>Date:</b>	November 9 2011	
<b>Location:</b>	Lower Hutt	
<b>Position Dimensions:</b>	Staff – Nil	Budget - Nil

### **Purpose of Position:-**

This position oversees the processing of GeoNet's GNSS (satellite geodesy) data, ensuring appropriate models and techniques are employed, robust and recoverable methods are implemented, and that GNS Science keeps up with or leads best international practice.

### **GNS Science Mission, Vision and Values**

#### **Our Purpose**

Is to understand earth systems and technologies and to transform this knowledge into economic, environmental and social benefits for New Zealand.

#### **Our Vision**

Is to be recognised globally as a leading integrator of knowledge of earth systems and technologies for societal benefits.

#### **Our Values are**

- Scientific enquiry and innovation arising from creativity and development
- Excellence generated from expertise and experience
- Personal integrity and professional ethics
- Individual initiative in contributing to teamwork
- Delivery of value for New Zealand.

#### **Maori Relationships**

GNS Science is committed to achieving mutual success through collaboration with Maori. Significant benefits can accrue from effective relationships between GNS Science and Maori, especially within geothermal and energy activities. The creation of seamless relationships with Maori is a crucial element in the organisational growth of GNS Science. GNS Science aims to include relationships with Maori as a natural part of the GNS Science business.

### **Specific Duties / Key Responsibilities:**

- Manage the day-to-day processing of GeoNet's GNSS (satellite geodesy) data.
- Ensure the processing methodology is in line with best international practice, incorporating modern models and techniques.
- Have a solid understanding of real-time GNSS data streaming, data processing and their applications, and ensure that GNS Science is in a position to provide these services from the GeoNet geodetic network.
- Attend local and international conferences and workshops to keep up with international best practice, and to establish and maintain GNS Science's profile in the worldwide GNSS data processing community.
- Act as the liaison person with Land Information New Zealand (LINZ), the sponsor of the New Zealand PositionNZ network.
- Train and mentor GeoNet Data Centre staff to handle routine operations of the geodetic processing system, including workshops and written documentation as appropriate.

### **Projects and Health and Safety**

- Undertake projects for your manager as and when required.
- Comply with the health and safety responsibilities as defined in the Health and Safety policy.

### **Person Specification**

#### ***Skills and Experience:***

The person in this position will have:

- A post-graduate degree in geodesy.
- Expertise in GNSS (satellite geodesy) data processing, preferably with Bernese software.
- Demonstrable experience with real-time GNSS systems.
- A solid understanding of relevant data communications protocols.
- Excellent written and oral communication skills.

### **Competencies –**

The following competencies are expected of all GNS Science staff:

**Results Orientation** - The ability and commitment to achieve effective results, and work towards or exceed agreed goals

**Business Focus** - The ability and desire to apply appropriate principles and practices to maximise revenue minimise cost, while meeting compliance obligations

**Relationship Management** - The ability and commitment to maintain effective co-operative relationships with groups and individuals

**Communication** - The ability to express thoughts and ideas clearly and consistently (orally and in writing)

**Innovation and Initiative** - The ability and commitment to seek and use better ways of doing things (to improve personal and GNS Science performance)

**Teamwork** - The ability to establish and maintain effective and cooperative relationships within GNS Science.

**Professional Integrity** - Acts in a manner that conveys high personal and professional standards

**Technical Expertise** - The ability to maintain and develop technical expertise

**Leadership and Management Skills** - The ability to inspire others to achieve desired results and to develop and enable others to realise their full potential.

Signed: .....

Signed: .....

Date: .....

Date: .....

**Employee**

**General Manager - Human Resources**