



## **Review of Essential Skills in Demand Lists Occupation Nomination Form**

**All occupation nominations must be submitted using the attached form. The nominated occupation must have an occupation code which can be found from the Australian and New Zealand Standard Classification of Occupations (ANZSCO). You can link to ANZSCO information at [www.immigration.govt.nz/anzsco](http://www.immigration.govt.nz/anzsco).**

### **Key dates**

25 June 2018

Occupation nominations open

23 July 2018

Occupation nominations close at 5pm

### **Enquiries and nominations**

All enquiries and occupation nominations should be directed to:

Email: [shortages.review@mbie.govt.nz](mailto:shortages.review@mbie.govt.nz)

## Occupation Nomination Form

**Please complete this form if you would like to propose an amendment to either the Immediate Skill Shortage List or the Long Term Skill Shortage List.**

**You may propose the addition or removal of an occupation from one of the lists, or the transfer of an occupation from one list to the other.**

**You must complete a separate Occupation Nomination Form for each occupation you would like to have considered.**

**Please answer all questions.** Incomplete submissions will not be processed.

Please note the answer fields will auto-extend to accommodate your responses. If you are providing documents, you may attach these separately.

### **Disclosure**

Please note that if this Occupation Nomination is successful, the information provided may be made available to interested parties as part of the review. This is to promote maximum transparency and to encourage the exchange of information between all stakeholders who contribute to the review process. If the Occupation Nomination, or some of its content, is provided to others for the purposes of information sharing and/or consultation, personal contact details will be treated as confidential.

Information held by the Ministry, including the information provided in this form, is official information under the Official Information Act 1982. Accordingly, if a request is made for information under that Act, the Ministry may be required to release this information.

Occupational statistics collected during the course of the review may be used by the Ministry for other research purposes, but individual employers will not be identified.

## 1. Contact information

Who should the Ministry contact if more detail is required about your nomination?

*Include name, job title, organisation, phone, email and postal addresses.*

M. Oonman

Chief Executive Officer, Lunar Explorations Ltd

PO Box 654321, Auckland

M.Oonman@LunarExplorations.co.nz

Phone: 09 999 9999

## 2. Disclosure

Please confirm that you have read and agree to the terms of the disclosure statement, below.

### **Disclosure statement:**

- The information contained in this Occupation Nomination, or some of its content, may be provided to others for the purpose of information sharing and/or consultation. In this event, personal contact details (individual names, telephone numbers and email addresses) will be treated as confidential.
- The information provided in this form is official information under the Official Information Act 1982 and, accordingly, the Ministry may be required to release this information if a request is made under that Act.
- Occupational statistics collected during the course of the review may be used by the Ministry for other research purposes, but individuals and employers will not be identified.

**I have read and agree to the terms of this disclosure statement.**

Name: M. Oonman

### 3. Initial criteria for Occupation Nomination

An Occupation Nomination must meet three initial criteria in order to be considered by the Ministry of Business, Innovation and Employment:

- the occupation must have an ANZSCO skill level of 1, 2 or 3, and a specific, recognised qualification requirement, **and**
- the occupation must not have been reviewed by the Ministry within the last review period (or, if it has, the submitter must demonstrate a **significant change** in labour market conditions that warrants a further review), **and**
- the Occupation Nomination must have the support of at least one industry body or professional association.

If you are **not** preparing the Occupation Nomination on behalf of an industry body or professional association, a letter of support from an appropriate industry or professional body must be forwarded with this form.

#### Nomination details

3a) State the occupation name and ANZSCO 6 digit occupation code.

*Ensure that the occupation appears on the Australian and New Zealand Standard Classification of Occupations (ANZSCO). If you cannot find a code for the occupation please contact Statistics New Zealand. The link to ANZSCO is [www.immigration.govt.nz/anzsco](http://www.immigration.govt.nz/anzsco)*

233999 Engineering Professionals nec – Lunar Hydroponics Engineer

3b) Do you want to:

- add this occupation to a list (please state ISSL or LTSSL) - **LTSSL**
- remove this occupation from a list
- move this occupation from one list to another (e.g. from the ISSL to the LTSSL)

**Note:** *It is not normally necessary to make a submission to add an occupation to the ISSL if it is already on the LTSSL. If an applicant produces an offer of employment in an occupation that is included on the current LTSSL, immigration officers will accept that no suitably qualified New Zealand citizens or residents are available, as if the occupation is on the ISSL.*

## ESID review history

3c) Is the occupation currently on the Immediate Skill Shortage List or the Long Term Skill Shortage List?  
(This can be checked at <http://skillshortages.immigration.govt.nz/> ).

- ISSL
- LTSSL
- Neither

3d) Was the occupation reviewed by the Ministry in 2017?

*Refer to list of occupations at the end of this form.*

- Yes
- No. Go to 3f

3e) Please describe why you consider that a further review of this occupation is necessary.

*Ensure that your explanation clearly states how the current labour market conditions for the occupation differ from those at the last review (e.g. change in demand for labour as a result of a particular strategy or project). Why is the change significant?*

**Please note:** Occupation Nominations will not be considered again where there is no significant change in labour market conditions for the occupation specified, or where explanations are generic, rather than specific.

## Industry support

3f) Please provide details of the industry body or professional association(s) that support this Occupation Nomination.

*Industry bodies and professional associations include employer groups, trade unions and industry training groups.*

[New Zealand Space Programme](#)  
[New Zealand Lunar Occupations Association](#)

*You must attach a letter/s of support if you are NOT representing an industry body or a professional association.*

[Letters of support from the above organisations are attached](#)

3g) Please provide details of key stakeholders in this industry who may also have views about this occupation.

*For example, government agencies, training organisations, unions, industry bodies, registration bodies and employer groups. Please provide the name and email address of each contact person.*

New Zealand Space Programme (Contact: Andrew Mann - a.mann@nzsp.govt.nz)

University of Paeroa (Contact: Bill Green - b.green@paeroa.ac.nz)

Union of Space Engineers (Contact: Sam White - sam.white@use.co.nz)

New Zealand Lunar Occupations Association (Contact: Tim Black – tim@nzloa.co.nz)

Hydroponics Engineers (NZ Charter) (Contact: George Grey – geogray@hydroponics.net.nz)

Space Explorers Trade Union (Contact: Brian Blue – bblue@setu.co.nz)

### **Skills and qualifications**

3h) What are the qualification and work experience requirements for the occupation in shortage? (i.e. what qualifications and experience are required to work in the occupation? Please note any applicable registration requirements).

*e.g. Bachelor of Engineering (NZQF Level 7) and a minimum of three years' relevant post-qualification work experience*

**Masters degree in Lunar Hydroponics AND 2 years' experience in space programme**

## 4. Case for review

You are required to make a case for an occupation to be reviewed.

Please outline why you think the occupation should be reviewed. List the **key points** and provide any relevant supporting evidence (additional material may be attached).

If the Occupation Nomination is successful, you may be required to provide additional information to support your case and/or to respond to the PIER prepared by the Ministry, through the submission process.

### Proposal

4a) **ISSL only** - Does your proposal relate to the whole of New Zealand or only some regions?

*Please tick all that apply.*

**Certain regions only:**

- Auckland/Upper North Island
- Waikato/Bay of Plenty
- Central North Island (including Taranaki, Manawatu and Hawkes Bay)
- Wellington (including Wairarapa)
- Canterbury/Upper South Island
- Otago and Southland

**Or:**

- All of New Zealand**

4b) Give reasons for your proposal:

*Describe the nature of the issue – list the key points. For example, please provide details of any change in demand for this occupation, the availability of New Zealanders to fill positions, and training available (both on the job and through education providers).*

**Why is there a shortage or no longer a shortage?**

Lunar Explorations Ltd is one of New Zealand's premier lunar research companies. One of the key research areas is lunar hydroponics (i.e. the growing of plants on the moon). This area has the potential to become a multi-billion dollar industry. However, we have been unable to expand our research programme due to a lack of lunar hydroponic engineers.

In the next five years, we will require a minimum of 140 engineers to fill vacant and new positions. We are also aware that other key organisations (such as the New Zealand Space Programme) require lunar hydroponic engineers. Initial enquiries suggest that at least 120 engineers will be required by other organisations.

There is a long-term, ongoing shortage of lunar hydroponic engineers both in New Zealand and globally. Lunar hydroponics is a specialised area and it takes a minimum of five years to complete a Masters degree in Lunar Hydroponics. There are only a limited number of positions available in the lunar hydroponics programme at the University of Paeroa and in universities overseas. At any time, there are only a small number of graduates and most travel to work at the larger space programmes overseas. If we are able to expand our research programme, then this will make it more attractive to New Zealand graduates.

This shortage has impacted on the growth of this increasingly important industry, so we request that Lunar Hydroponics Engineer be added to the LTSSL.

*The Occupation Nomination is unlikely to succeed if no supporting evidence is provided.*

4c) Please detail your supporting evidence below. (supporting material may be attached).

*Evidence is required to demonstrate that the issues outlined above can be substantiated. Evidence may be gathered in a range of ways, for example through industry surveys, feedback collated from industry bodies or employers, and data collated from administrative records. In each case it will be important to demonstrate that the 'issue' has some breadth i.e. that it relates to an occupation as a whole, rather than to one or two employers, or a small group.*

Please find attached:

1. A job-skill shortages report commissioned by Lunar Explorations Ltd
2. A survey undertaken with key lunar organisations and associations in New Zealand
3. Conference proceedings from Space Explorations Global Conference 2016.

*Occupations will not be reviewed unless the Ministry is assured that there will be a reasonable evidence base to support the review process.*

4d) Are you aware of, or will you be able to collate, evidence and provide it within the timeframe for submissions (by **8 October 2018**)?

Yes – please detail below

No

*Please provide full details of:*

- a) *the proposed process -* [Reports and survey attached to this form](#)
- b) *the timeframes over which you will be collecting evidence -*
- c) *the nature of the information you are seeking -*

## **Next steps**

The Ministry will assess all Occupation Nominations received within the set timeframe (i.e. by **5pm on 23 July 2018**). Results of the assessment process will be communicated to your key contact person listed above in August 2018.

Where an occupation has been accepted for review, the Ministry will advise your contact person of the outcome and prepare a Preliminary Indicator Evidence Report (PIER), which will be published on its website in August 2018.

Where an Occupation Nomination does not meet the required standard, the Ministry will write to the contact person explaining the reasons for the decision.

The formal submission process is expected to begin on **3 September 2018**. You will be required to make a full submission in support of the case that you have put forward and/or in response to the PIER report.

**The Ministry would like to thank you for contributing to this review.**