Demonstrate knowledge of, and extract, cadastral data from Landonline

Level 3
Credits 5

Purpose
This unit standard is for people who are working in the surveying industry in jobs which involve accessing official cadastral data under licence.

People credited with this unit standard are able to: demonstrate knowledge of requirements relating to the maintenance of cadastral data; demonstrate knowledge of mandatory and equipment requirements for using Landonline; and extract data using e-search.

Subfield Surveying
Domain Titles and Survey Compliance
Status Registered
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Entry information
Open. However, candidates require access to e-search or other services of Landonline as specified at http://www.landonline.govt.nz/about-landonline/licenses.asp.

Accreditation Evaluation of documentation and visit by NZQA and industry.

Standard setting body (SSB) Infrastructure ITO

Accreditation and Moderation Action Plan (AMAP) reference 0101
This AMAP can be accessed at http://www.nzqa.govt.nz/framework/search/index.do.

Special notes
1 The following legislation and documentation must be complied with:
   Cadastral Survey Act 2002;
   Land Transfer (Computer Registers and Electronic Lodgement) Amendment Act 2002;
Surveyor-General’s Rules for Cadastral Survey 2002/2;
Surveyor-General’s Letter to all Registered Surveyors 29 May 2002;
Landonline e-survey User Guide available at
e-survey Cadastral Survey Guidelines, available at

2 Definitions

e-search refers to the remote access to survey and titles information in the
Landonline database provided for subscribers via the internet.
Landonline refers to the Land Information New Zealand (LINZ) online database that
provides land professionals with secure access to New Zealand’s only authoritative
titles register and digital cadastre. Landonline user guidance is provided
electronically and in printed form.
Workplace procedures refer to documented procedures specific to an enterprise
which set out the quality management requirements for the business practice and
activities of that enterprise.

Elements and performance criteria

Element 1

Demonstrate knowledge of requirements relating to the maintenance of cadastral data.

Performance criteria

1.1 The main provisions of the Cadastral Survey Act are outlined in accordance
with the Surveyor-General’s Letter to all Registered Surveyors.

Range functions of Surveyor-General and Chief Executive of LINZ,
function of Cadastral Surveyors Licensing Board of New Zealand,
standing of Surveyor-General’s Rules, function of Cadastral
Survey Guidelines.

1.2 The provision for digital lodgement of cadastral survey datasets is explained in
accordance with the Surveyor-General’s Rules for Cadastral Survey.

1.3 Current methods for maintaining cadastral data are explained in accordance
with the e-survey Cadastral Survey Guidelines.

Range changes from Survey Regulations, LINZ processes, data
lodgement format, change logs.
Element 2

Demonstrate knowledge of mandatory and equipment requirements for using Landonline.

Performance criteria

2.1 General conditions of access are explained in accordance with the *Landonline e-survey User Guide*.

Range includes but is not limited to – licence, digital certificate, level of access.

2.2 Remote access to Landonline is explained in accordance with the Landonline general terms and conditions.

Range availability, privacy, accuracy of information, obligations, liabilities.

2.3 Sign-up requirements are explained in accordance with the *Landonline e-survey User Guide*.

Range trusted contact, management contact, system manager, proof of identity.

2.4 Security obligations for digital certificate users are described in accordance with the *Landonline e-survey User Guide*.

Range secure access – digital certificate, password, pass phrase, escrow, renewal;
secure environment – encryption keys, PC, internet.

2.5 Electronic requirements are described in terms of matching recommendations from Landonline with company equipment.

Range system capacity, internet connection type, recommended software.

2.6 Requirements for changing user details are explained in accordance with *Landonline e-survey User Guide*.

Range includes but is not limited to – a change of computer hardware or software.
Element 3

Extract data using e-search.

Performance criteria

3.1 The use of online help is demonstrated in accordance with the *Landonline e-survey User Guide*.

Range at least four of – transformation screen, help screen, plan title, feedback, workaround, quick reference card, tips.

3.2 Survey data is extracted in accordance with the *Landonline e-survey User Guide*, and transferred in accordance with workplace procedures.

Range parcels, observations, supporting documents.

3.3 Titles and related data are extracted using the title search function in accordance with the *Landonline e-survey User Guide*.

Range search by at least three of – owner’s name, appellation, street address, title reference; related data includes guaranteed search and at least four of – current title, historic title, title search with diagram, title plan, pending dealings, proprietors, current interests, supporting documents, historic interests, lodged plans.

3.4 Title search data is printed in accordance with the *Landonline e-survey User Guide* and workplace procedures.

Range with diagram, without diagram, historic title.

3.5 Plans and related data are extracted and added to the search tree using the survey search function in accordance with the *Landonline e-survey User Guide*.

Range plans – survey view (including at least two layers), survey plan, title plan; related data includes at least four of – parcels, supporting documents, referenced surveys, underlying surveys, pending dealings.

3.6 Spatial geodetic marks and observations are extracted in accordance with workplace procedures.

Range at least three orders of mark.

3.7 Coordinates are transformed from one coordinate system to another without losing accuracy in accordance with workplace procedures.
3.8 Toolbar icons are used in accordance with the Landonline e-survey User Guide to select, save, and print part of an image that achieves a clear and accurate final image in accordance with workplace procedures.

3.9 The spatial window is used to display cadastral information, using spatial view and spatial search options.

Range current layers, all layers, labels.

Please note

Providers must be accredited by NZQA, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by NZQA before they can register credits from assessment against unit standards.

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.

Accreditation requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact Infrastructure ITO askus@infratrain.co.nz if you wish to suggest changes to the content of this unit standard.