



Landonline change summary – Release 3.4

Implementing the new Rules for Cadastral Survey 2010

Landonline is being changed to accommodate the Rules for Cadastral Survey 2010. While there are no significant changes to Landonline processes, e-survey users can expect to see a number of changes after the Go-live date. Following is an overview of these changes, further changes will be made in subsequent releases.

Spatial search

The search functionality in Landonline remains the same. However, in the spatial window and for downloaded data, the mark order numbers are changing as follows:

Current order	New order	Order purpose
7(i)	7	Class A boundary mark
7(ii) 7(iii)	8	Class B boundary mark
8	9	Class C boundary mark
9	10	–
–	11	–
10	12	–

LandXML

Changes to Landonline will only be supported by LandXML Schema versions 1.1 and 1.2. LandXML files that use Schema version 1.0 will continue to import into Landonline. However, they will not necessarily contain all the information required. Users of version 1.0 will need to use Landonline processes to ensure all capture is completed.

Setting up a new survey

Changes are being made to the drop down lists including the *Type of Dataset*, *Survey Purpose* and *Survey Class*.

Computed or *Compiled* are no longer available as a Type of Dataset. A new type is being added so that

there are now only two to choose from:

1. Survey
2. Parcels without survey information.

Parcels without survey information datasets will have a lower lodgement fee and can be used where the CSD creates new parcels (whether primary or non-primary) but does not include any non-boundary marks or related vectors.

The Survey Purpose of *Redefinition* is being replaced with two new values:

- Boundary Reinstatement – Full CSD
- Boundary Reinstatement – Monumentation CSD.

There will be no fee for Boundary reinstatement CSDs, but this may change when Landonline fees are reviewed.

The new survey class values A, B, C and D are being added and classes I, II, III and IV will not be available.

Spatial capture screen

Changes to the spatial capture screen include the following:

- Mark symbology is extended to include the additional classification for Permanent Reference Marks (PRMs) and separating *New* from *Adopted* posts.
- New Origin marks cannot be created at mark capture as Origin identification is no longer required.

Capturing marks

Changes will be made to drop down lists to enable surveyors to comply with the 2010 Rules.

All boundary points will require a Mark Purpose definition. Users will have to indicate if the mark was:

- Defined by Survey
- Defined by Adoption, or
- Accepted.

This selection also drives the validation of accuracy and witnessing requirements. Mark Purpose now includes *PRM*, and *Origin* is being removed. The Survey Report should explain how the orientation was obtained. Note: surveyors can add annotations to plan diagrams if they wish to indicate 'origin'.

Mark State (New, Old, Adopted) is unchanged, but now works in conjunction with the Mark Purpose, eg a boundary mark may be *Adopted* and *Defined by Survey* in some cases.

In the Mark Reliability Details, the radio button *Replaced* is re-labeled *Renewed*. Marks that are renewed or found disturbed will need to be given a Mark State of *New*.

Capturing observations

The mark capture changes and the accuracy class changes as detailed above also apply to marks and observations captured on this screen.

A new Equipment Type of *Old Adopted* is being added to allow a lower accuracy weighting to be assigned to adoptions from very old surveys. This will help ensure that the tests for compliance with the accuracy standards work properly in these cases.

It is important to note that Secondary and Tertiary observations and boundaries actually refer to the Topology Class (or Layer) that the boundaries are on, not to the parcel types or intents.

Capturing parcels

In the 2010 Rules, Parcels are either primary or non-primary. In Landonline all primary parcels must be captured as Primary Topology Class, but non-primary parcels can be captured as either Secondary or Tertiary. As any new parcels within a topology layer cannot overlap, a non-primary parcel that overlaps another one can be assigned to the Secondary Topology class and the other one to the Tertiary

Topology class. This will avoid the need to split these parcels at intersections.

- *Flat*, *Shown* and *Marked* are being removed as Parcel Types, and *Area* is being added.
- The Parcel Intent list is being extended to include *Residue Parcel*, *Restrictive Area* and *Esplanade Strip*.
- Descriptions for *Covenant Area* and *Land Covenant* are being clarified in Landonline Help.

Plan capture

Some changes to terminology and symbology are being applied to the plans:

- *Digital Survey Plan* is renamed *CSD Plan*.
- *Digital Title Plan* is renamed *Title Plan*.
- Plans will reflect the new symbology associated with marks or vectors, eg PRMs, new/adopted posts, and calculated vectors.

Validation

The validation process remains the same, and the report will still be presented in text format. There are some new and changed validation tests and there will be some new manual requisition items. The key changes follow.

- A new validation test is being given a number in the 400 range.
- Where an existing test is being modified, the existing identifier is being changed to start with 4 (eg C059 becomes C459).
- Existing, unchanged tests retain their existing identifier.
- The severity rating of some tests are being adjusted, eg where there is no corresponding data in Landonline, instead of a failure the report will show *Not-tested*.
- Individual tests are generally only reported once, avoiding repetition under multiple categories, ie the report no longer refers to Submission, Approval & Registration.
- The 20 failure limit is being extended to 50 for relevant tests.
- *Mark Purpose* and *Mark State* are used to determine which marks must be tested against each of the accuracy standards, eg adoptions are subject to the lower standard.

Key validation test changes

- The appellation test is being modified to check that the parcel identifier component is unique within the CSD.
- The test for sufficient old marks now only checks that a Monumentation CSD has one old mark, as this is all that is required for this type of CSD.
- The test for boundary marking only checks new boundary points on new primary parcels.
- A new test checks that the CSD is connected to a cadastral survey network mark (6th Order or better) where appropriate.
- A test is being modified to ensure that an area has been supplied for relevant parcels as determined by the parcel type.
- The existing area test is being renamed *Area Reasonable* as it is intended to help identify gross errors. This test reflects that it is calculated from coordinates, and may not be accurate, especially for non-SDC marks where coordinates can be distorted.
- Witnessing tests are updated to include PRMs and to test compliance with the witnessing distance requirements.
- The greater distances available for extensive rural boundaries are not accommodated in the witnessing tests and therefore need to be explained in the Survey Report.
- The Comprised In test is improved to eliminate false failures.
- Differences between new observations and those already in the cadastre are identified *For information* (to allow for re-calculations etc). However, differences for adopted observations remain as Landonline validation test *Conflict*.
- A test is being modified to check that the identifier is unique for new non boundary marks, eg IS 2 and IT 2 cannot be in the same CSD.

General information

In several places the term Traverse has been generalised to Non-Boundary to comply with the 2010 Rules. Similarly, the use of the term Underlying has been reviewed (eg in the validation reports) to align with its definition in the 2010 Rules.

ENQUIRIES

If you have any queries about the transition, please email them to newcadastralrules@linz.govt.nz