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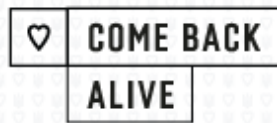
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ASaTS - Landonline 2: Son of Landonline

[Alex Liggett](#) [ASaTS - Landonline 2: Son of Landonline](#) Mar. 1, 2017, at 7:51pm

Administrator **Post by Alex Liggett on Mar. 1, 2017, at 7:51pm**

Last week the redoubtable Mr George and I attended a briefing on behalf of the Institute in our role as stakeholder representatives. The briefing covered the current state of play with regard to ASaTS and some information on proposed technical innovations.



Where the ASaTS project is at:

As outlined in earlier posts, Ministerial approval to proceed with the project was granted last year. Since then LINZ have completed their detailed business case, gone through an EOI phase and completed the high level design of the system. LINZ are now into the detailed design phase, with an aim to complete this by **August 2017**. The build and implementation will then get underway with a view to phasing out Landonline by 2021.

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As also intimated earlier in these pages, ASaTS is to be delivered under a Software AS A Service (SAAS) model, whereby a third-party provider builds and owns *the application*. The application will be hosted in a Government approved datacentre in NZ, and LINZ will retain ownership of the data. The hope is that this will save the Crown money in the long run, and will involve more incremental improvements to the application than we have seen with Landonline. It should be pointed out that this model is seen as the way of the future for government IT projects. LINZ are working with the [British Columbia LTSA](#), who have implemented a broadly similar system, although in some ways LINZ would like to go beyond the achievements of this system.

One aspect that is currently under discussion is the integration of third party (or 4th party if you like, as ASaTS is built by a third party) applications into the system (think, for example 12d, Trimble, AutoCAD etc). One possibility that is seriously being considered is that the survey part of ASaTS might have no dedicated user interface, and that the place of the interface might be taken by a piece of third party software. LINZ (and the ICS Executive Committee) are very interested to hear surveyor's views on this matter. LINZ acknowledge that there are risks to this approach in that if no third party provider steps up LINZ would have to scramble to fill the void. Another possible risk is a single provider holding a monopoly, which might lead to cost and support issues. It is noted that some surveyors currently work directly with the Landonline interface and eschew third party software.

In the meantime there will be some changes to Landonline, notably a move away from individual digital certificates to organisation (eg company) certificates and login using the RealMe system, which will be familiar to GETs and NZ Post customers. Signing of plans under this system will move to a 2 Factor Authentication (2FA) model, where a second confirmation of ID such as a text message to a nominated mobile will be required. Landonline is also migrating to a different server model, which the ICS wonders might be responsible for the current laggyness of the system (**if you are experiencing Landonline lag, please seek help by calling 0800 665 463 and logging a case - LINZ don't know there's a problem if no one complains**).

Technical Innovations in ASaTS:

- The current cycle of Cadastral Survey Data, in which the surveyor engages directly with the online workspace is likely to be a thing of the past. Instead the survey data would be entirely prepared locally, then both prevalidated and submitted over the internet. Hopefully this will be the end of the horrible laggy connections, and suitable lessons will be learned from the OPG farce of a few years ago.

- LINZ are aiming at a 3D digital cadastre, in which rights with vertical extents such as units, cross-lease areas, stratum estates and secondary interests limited as to height are captured and visible spatially.
- Linked to the item above the proposal is to display the vertical extents of rights and also non-primary parcels as **Spatial Objects**, which are objects bound by coordinates. Readers need not fear the encroachment of the coordinated cadastre, as these objects will not be extended to primary parcels or non-boundary infrastructure.
- As noted above, the possibility that the entire dataset is prepared in 3rd party software (ie software that is not supported or funded by LINZ), with no dedicated LINZ 'front end'.
- The elimination of the requirement for a CSD/Survey plan is being mooted by LINZ. Older readers may recall that this idea was floated in the early stages of Landonline, and was vigorously opposed by the profession at the time. Given the progress of viewing technology and software, LINZ would like to hear surveyor's views on whether the time has come to finally dispense with survey plans.
- LINZ do acknowledge that the need for a **Title** plan remains, as this is a key document for multiple stakeholders in the cadastre
- The discontinuation of SDC mark status is likely to be a feature of ASaTS. For those who are unaware SDC is a status accorded marks which pass various accuracy tests separate to both the RCS and NZGD2000 accuracy standards. Such marks were handled differently in coordinate adjustments of the system. The density of 2k6 marks is now such that SDC is regarded as superfluous. To be honest I suspect that few of us will notice its passing.

LINZ are very anxious to keep ICS in the loop as they progress the design and implementation of the project. We will continue to meet with the project team and to keep ICS members updated. In the first instance, we will be looking for feedback on whether there is a need for a dedicated ASaTS interface or front end, and on whether there remains a need or desire for CSD/Survey plans. We will be undertaking a survey of members on these questions, and will also communicate with our NZIS colleagues on the subject.

Things that aren't clear at this stage, but that readers might like to consider include the costs associated with the change:

- Costs in terms of transition value(downtime; training ; IT infrastructure; system changes etc)
- Cost in terms of LINZ user charges (licenses, transaction costs)
- Costs in terms of longer approval (time getting familiar with new systems, system related requisitions)

LINZ also keep the ASaTS page of their website updated with new information. This can be found [here](#).

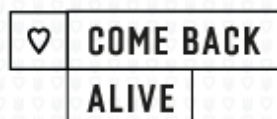
If anyone has any questions or concerns, feel free to post them here or to email [myself](#) or [Brent George](#), and we will make sure these are passed on.

Cheers
Alex

Last Edit: ~~Mar 2, 2017 at 8:56am~~ by [Alex Liggett](#)

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