



In this issue

Industry Reports **P.1**

Industry Reports Continued **P.2**

Surveying Education Reports **P.3**

Surveying & SIS Traineeships **P.4**

SMIC Training & Scholarship Program **P.4**

Industry Reports

The following information may be of interest to members of our constituent organisations and the general public. Full reports by the representatives on SMIC can be obtained on request by emailing smic@smicnsw.org.au

ACS – is conducting a webinar on Wednesday 31 May regarding the new Surveying and Spatial Information Regulation. This will be presented by Les Gardner and Simon Hine from Spatial Services.

- In conjunction with ISNSW, ACSNSW is once again organising the annual Excellence in Surveying and Spatial Information Awards night on Saturday 16 September 2017. Expressions of interest for award nominations are now open
- Under the CSN banner, ACS NSW in conjunction with ACS VIC organised a national Surveying congress in Yarra Valley, Victoria on 16-18 March. Congress featured technical, professional. Economic and business speakers, as well as high profile Australian Tim Jarvis and Jessica Watson. Delegates from most Australian states attended. It is planned that next Surveying Congress will be held in Sydney in April 2018 in conjunction with the Country Surveyors Association.
- ACS NSW will be holding a one-hour webinar on succession planning on Wednesday 17 May. This will be presented by Danny Chung, the National Head of the Built Environment at Macquarie Bank. This same presentation was held as part of the recent Surveying Congress and was very well received.
- CSN now provides a qualifications assessment service which determines the equivalency of overseas qualifications to a Diploma in Surveying from an Australian TAFE.
- Federal Government has recently advised of changes to 457 visas and the occupation list. ACS NSW is reasonably confident that surveying will remain on the list but it is expected surveying technician will be removed from the list. Final decision on list should be known at end of June 2017.

AHS – Afternoon seminar was held in Sydney on 30 March in conjunction with SSSI Hydrographic Commission to coincide with bi-annual Ports Australia meeting. Presentations included offshore cable route surveys, Antarctic surveys with the RAN, Manly Hydraulics NSW Ocean water level extremes, and update from the Hydrographer on the Defence Hydroscheme Industry Partnership Program. The Defence Program will involve the use of private industry to undertake some of the Defence's naval charting responsibilities so that more areas can be charted due to Defence's limited ability. Companies will be required to have Level 1 accreditation. This might put pressure on accreditation and the ability of the Panel to handle the potential influx of applications. Defence as part of their program will provide some funding to assist the training of accredited surveyors. Program is for a 20 year timespan and tenders will be let out in 2018.

- Western Australian Region is holding an event on 12 May 2017 which will include Western Advance displaying the capabilities of the ASV Global's C-Worker 5 and Kongsberg Marine's GHeoSwath 4 with Seapath 136 using CNAV SF2 Corrections.
- SSSI in conjunction with AHS will be holding a World Hydrography Day seminar and dinner at Darwin on 21 June 2017.
- New Zealand Region is holding an event on 6 July in Dunedin and South Pacific Region is holding an event in Suva on 8 June 2017.
- Membership is growing within the SSSI Hydrographic Commission. A mentorship program is planned to assist graduates progress to certification. Commission is advocating a new industry award be established for hydrographic surveying particularly off-shore conditions. Sub specialisms are to be introduced to the certification process. Team to be established to liaise with training organisations in Australia to deliver modules based on the S5A and S5B IHO syllabus.

Industry Reports Continued ...

AIMS – upcoming seminars to be held in Brisbane on 2 June 2017 and Mt Isa on 9 June 2017. AIMS annual conference to be held in Hunter Valley on 13-16 September 2017.

- 44 mine surveyors attended the recent Mudgee seminar. A mining candidate workshop was held in conjunction with this seminar.
- 50 delegates attended the recent Moranbah Technology Day and a mining candidate workshop was held with this event as well.
- AIMS has petitioned the Department of Energy and Environment to re-instate the position of Land Information Officer at Maitland to ensure that submitted mine plans are checked for conformance and adherence to the Survey & Drafting Directions.
- AIMS has developed state based sub committees to advocate local issues with local stake holders which are then reported back to the board. NSW sub-committee is chaired by Chris Moy.
- Student scholarship recently awarded to Jhobie May Verdejo in mine surveying at the Western Australia schools of Mines in Kalgoorlie.

ISNSW – The Government has announced the successful bidder for LPI lease is Australian Registry Investments which is 80 per cent owned by Australian investors (Hastings Fund Management and First State Super) and 20 per cent by the Royal Bank of Scotland. ISNSW is now considering organising a meeting with the Premier.

- Next BOSSI Candidate Cadastral Workshop is to be held on 26 & 27 August with plan assessment day on 9 September 2017. Mentors and other registered surveyors are also allowed to attend but workshop is tailored majority for candidates. Hunter Manning Group will be joining BOSSI for part of its Candidates Workshop to be held on 19-20 May at Kurri Kurri.
- ISNSW Board held its March meeting in Ballina. ISNSW Board tries to hold one meeting each year in a regional area. No decision has been made at this stage which regional area will be the next host. ISNSW is currently calling for nominations for President-elect for 2017-2019. Half Day Seminar is to be held at ISNSW Office on 25 May. SSSI has asked ISNSW to take over the relationship with FIG.
- Next Maths in Surveying Field Day is scheduled for 26 May 2017. A number of young surveyors have been arranged to help out on the day. NSW Taskforce has organised 6 tablets to be used at the Maths in Surveying field days.
- Five candidates have applied for assessment under the ISNSW Engineering Surveyors Accreditation Scheme.

NSW Surveying Taskforce – is continuing with its activities including career events such as a Speed Career Dating presentation at Port Hacking High School, Career Expo at Loreto Normanhurst, Presentation and Maths in Surveying incursion at St Mary's Catholic College, and attendance at Sutherland Shire Tertiary Information Day.

- Communications with career advisors has been undertaken via the Career Advisor Association's E-news and regular communication is made with careers advisors on database to check that they have sufficient resources.
- Taskforce currently have 11 students interested in work experience but are having difficulty in seeking companies who are prepared to take on a work experience student.
- New website has been completed and is ready for launch in mid-May.
- Taskforce has developed resources for Maths teachers in run Maths in Surveying activities with their students. This will be hosted on website and promoted to Maths teachers via Maths Teachers Association.
- A press release was prepared about Aaron Faull, a UNSW student who presented at the ISNSW Conference, about his experience in surveying and as a student.

SMMF – Last meeting was held in conjunction with the last APAS Conference which was attended by delegates from most government agencies. With the current government restructures and retirements there were a few new faces. Items discussed included the sharing of resources between agencies, increased demands on government surveyors in conjunction with the large infrastructure programs in place, preservation of survey infrastructure, rotation of SMMF Chair with Stephen Saunders appointed Chair for 2017/2018, and the encouragement of more interaction between APAS & SMIC.

- APAS Conference was again very successful and well attended with around 250 delegates attending. Next APAS Conference is to be held in Jindabyne on 9-11 April 2018.

SSSI – Locate conference and Digital Earth Symposium was held on 5 April at the Sydney International Convention Centre and was hosted by SSSI, SIBA/GITA and ISDE.

- Asia-Pacific Spatial Excellence (APSEA) awards was held as part of this conference.
- Professional standards standing committee has been finalised with Bill Kearsley from NSW representing the Land Surveying Commission.
- SSSI is supportive of the 2026 Spatial Industry Transformation and Growth Agenda (2026 Agenda) and encourages industry involvement.
- The new ROM for SSSI NSW is Ms Katya Zahn

Surveyor General - Remake of the Surveying and Spatial Information Regulation is progressing. It will be released for public consultation with the Regulation Impact Statement in June.

- Feedback for the Draft Surveyor General's Direction No. 11 closed on 31 March. Comments are currently being reviewed and it is anticipated that the final version will be published by late July.
- Spatial Services have submitted an EOI to be involved with the CRC-SI SBAS trials.
- Spatial Services has been providing support to the ANZAC Centenary Soil Collection project with GNB identifying locations of soil samples from areas of the hometowns of WWI soldiers and Spatial Services surveyors collecting soil samples. There is opportunity for private surveyors to assist with the collection of soil samples in the future.

Surveyor General (continued) - CORSnet-NSW team continues to provide substantial resources to enable separation activities between LPI-TRS and Spatial Services. Separation activities include reconfiguring and pointing all CORS devices and ancillary equipment (close to 800 devices) to the new server locations, contacting all hosts who supply network connection to update firewalls as new server addresses become available, re-establishing VPNs to all premium resellers, supplying resources for the rebuilding all CORS software on the new servers in GovDC for both production and development, troubleshooting issues with CORS software changes, and managing the increased customer support requirements of the disrupted system. This work also includes upgrading the service to provide multi GNSS corrections.

- BOSSI held assessments in March, Joint Administration Model Meeting in April, and presentation of certificates ceremony in April.
- There was a big turnout for the land surveying assessments with over 80 individual assessments undertaken. Pass rate was around 60%. As a result of assessments 9 land surveyors and 2 mining surveyors received their certificate of competency.
- BOSSI has recently updated a few policies including BOSSI's Surveyor's Assistant Determination, BOSSI's CPD Policy, BOSSI's Guidelines for Land Surveying Assessments, and BOSSI's Guidelines for Surveyors who are Supervising Candidates at the Land Surveying Assessments.
- BOSSI is currently in the process of establishing a new communication channel via email to keep registered surveyors in touch with what is occurring at BOSSI and reminders for registration renewals and other important dates. Registration renewals for 2017 open on 1 July 2017 and close on 31 August 2017.

Surveying Education Reports

TAFE – As previously advised TAFE is going through a restructure process where TAFE is to become one organisation instead of individual competing institutes. TAFE has been broken up into five regions.

- Further to this, nine new TAFE NSW SkillsPoints are being established and will be in place and operational in 2018. Six of these SkillsPoints will be based in regional NSW. The SkillsPoint for Infrastructure, Energy and Construction which covers Surveying and Spatial information will be based in Mount Druitt.
- SkillsPoints will work in close partnership with industry, business and employers to design training that looks to the future and responds to emerging trends.

Southern Regional Business Group (formerly Illawarra & Riverina Institutes)

- This group in Semester 1 is offering Certificate III in Surveying and SIS (full time and distance), Certificate IV in Surveying: distance (full time will commence in semester 2), and Diploma of Surveying (full time and distance).
- Total enrolment at Illawarra is a total of 98-102 students. Illawarra is negotiating training contracts with RMS and the Dept of Defence to deliver Certificate IV in Surveying to a group each annually.
- Total enrolment at Albury is a total of 171 students including 15 trainees. Albury also runs 3 short courses being Statements of Attainment in Drone Essentials, GIS Essentials, and GIS Analysis and Problem Solving. These are free courses and have proven to be very popular.

Sydney Regional Business Group (formerly Sydney & Northern Sydney Institutes)

- This group is offering Certificate III in Surveying and SIS (full time and part time), Certificate IV in Surveying (full time), and Diploma of Surveying (full time and part time). Total enrolment is 137 students.
- Sydney has engaged four new part time teachers being David Mares, Jace Pearson, Jan Gabriel Van Wyk and Vincent Ochiel.

Northern Regional Business Group (formerly Hunter & North Coast Institutes)

- This group is offering Certificate III in Surveying and SIS (full time), and Diploma of Surveying (full time) with a total enrolment of 40 students.

University of Newcastle – May Surveying Program and Industry Advisory Committee meeting has been scheduled for 18 May 2017 and will involve representatives from across the profession and industry including the Surveyor General.

- The "de-commissioned" EDM base line located on the University campus is currently being impinging upon by construction works. It is hoped the baseline can be protected during these works so this facility can be maintained for teaching purposes. Two of the pillars of this baseline also make up part of the Newcastle GNSS Test Network.
- On 26 May 3 final year students will present the findings from their research projects they have conducted over the first semester.
- Professor Shin Chan Han travelled to Bathurst and met with local Spatial Services staff to discuss how they may be able to assist in a research project that is currently being developed.

UNSW – First year student numbers is approximately 40+ this year. This compares to 37 in 2016. Most students are in the new Dual award program BE (Civil) / B Surv.

- Academics are generally promoted on their research excellence. However, UNSW is developing a stream called Education Focussed careers where lecturers will be rewarded for their efforts in good teaching and dedication to education and scholarly learning and offered a career path to full Professor. Bruce Harvey and Craig Roberts will be applying for this new program.
- Search for a new discipline head for the SAGE group will commence in the middle of the year to replace Prof Chris Rizos.
- In 2019, UNSW will change their teaching schedule from 2 x 13 week semesters to 3 x 10 week trimesters. This is designed to align better with other universities internationally, to better use the UNSW campus, and to enable one whole session for industrial training.
- Due to low numbers the BE (Geospatial Engineering) program is to be closed. Existing students will be supported until end of their studies. New students will be encouraged to undertake the BE(Surv) / BSc (Comp Sci) instead of this program.
- SurvSoc held an industry night on Thursday 6 April with industry representatives attending.
- UNSW staff have submitted several Expressions of Interest with regard to the Satellite Based Augmentation System trial that will run for 2 years over Australia and New Zealand. Applications in Land Transport, Aviation, Maritime, Locata and interference are all in the mix.
- UNSW staff and students attended the Locate17 conference. Linlin Ge hosted the Digital Globe User group meeting at UNSW the day after Locate conference. Chris Rizos and Yincai Zhou both presented at APAS. Chris Rizos will attend the European Navigation Conference on 9-12 May. IGNS conference will take place at UNSW on 7-9 February 2018. Samsung Lim will attend the FIG 2017 Working Week in Helsinki in May. Jinling Wang will attend the Chinese Satellite Navigation Conference in late May. Student Shuyang Cheng won an excellent paper award at the Chinese Satellite Navigation Conference and US ION Conference.



How to Establish a Surveying & Spatial Information Services Traineeship in YOUR workplace

1. **Employer selects Australian Apprenticeship Centre (AAC)**
Contact Australian Business Apprenticeships Centre (ABAC)
Bree Milburn ABAC Account Manager 1300 652 236
bree.milburn@australianbusiness.com.au
2. **Recruitment process to select suitable candidate**
The traineeship must be established within 3 months of an employee starting employment with your company.
3. **Employer selects a Registered Training Organisation (RTO)**
Contact Australian Business Apprenticeship Centre or TAFE NSW
4. **AAC consultant assists employer to complete required paperwork**
5. **RTO in consultation with employer develops a Training Plan**
6. **Training Plan delivery commences**
7. **Apprenticeship Centre**
Tracks trainee progress
Actions payments to employer
8. **RTO and employer assess trainee as competent**
9. **Traineeship Completed**

Available Traineeships

- Cert III Surveying & Spatial Information Services
- Cert IV Surveying
- Cert IV Spatial Information Services
- Diploma Surveying
- Diploma Spatial Information Services

Surveying & Spatial Information Services Traineeship Numbers

Andrew Bryson from CSPSITAB was in attendance at the May meeting and was able to confirm traineeship numbers:

Commencements	2015	2016	2017 (as at 30 April)
Cert III in Surveying & Spatial	4	8	6
Cert IV in Surveying	2	3	0
Cert IV in Spatial	8	6	2
Diploma in Surveying	0	1	0
Total:	14	Total: 18	Total: 8

If your company is looking to hire new staff please investigate how a trainee may benefit your business.

SMIC Training Scholarship Program

SMIC in conjunction with TAFE NSW offer a scholarship program for potential part-time teachers in Surveying and Spatial Information who are studying towards their TAE40110 Certificate IV in Training & Assessment. This qualification is a pre-requisite for teaching at TAFE. The scholarships are to a value of up to one thousand dollars.

Eligibility Criteria

- a) Australian citizen or permanent resident of Australia
- b) Made an application for or is enrolled in TAE40110
- c) Haven't received the scholarship previously
- d) Hold a recognised surveying qualification

Selection Criteria

- a) Meet eligibility criteria
- b) Academic merit
- c) Reasons for undertaking TAE40110
- d) Demonstrated teaching ability and aptitude
- e) Career direction, aspirations and goals
- f) Teaching qualities
- g) Motivation and attitude

Applications for the next round close **Friday 11 August 2017**.

For further information and application forms please refer to the Education Options tab under Services on our website www.smicnsw.org.au or email us at smic@smicnsw.org.au

Keep up to date, ask questions, or share information with SMIC by joining:



LinkedIn



Facebook



The Chair - SMIC NSW
Level 1, 1 Prince Albert Road
Sydney NSW 2000
Email: smic@smicnsw.org.au
Tel: 0428 834 081
www.smicnsw.org.au