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## 182<sup>nd</sup> General Meeting

The 182<sup>nd</sup> General Meeting and 35<sup>th</sup> AGM of the Surveying & Mapping Industry Council of NSW was held on Friday 14th of July via videoconference.

## Upcoming Events

The following CPD and general interest events may be of interest to our readers. For more information, or details on recorded webinars, please contact the organisers or visit their websites.

- **20 July 2023** - ISNSW St George/Sutherland Regional Group Meeting - Sutherland NSW
- **26 July 2023** - ISNSW Webinar - NSWLRS Plan Examination and Requisitions
- **28 July 2023** - ISNSW - Cumberland Regional Group Seminar - Liverpool Catholic Club
- **11-13 August 2023** - ISNSW - Cadastral Workshop Day 1, 2 & 3 - ISNSW Office
- **16 August 2023** - ISNSW - Sydney North Regional Group Meeting + AGM & Dinner - Roseville Golf Club
- **26 August 2023** - ISNSW Cadastral Workshops Day 4 - LandXML - online via Zoom
- **30 August 2023** - ISNSW Webinar - BYDA and AS5488 - Working Together
- **2 September 2023** - ISNSW Cadastral Workshops Day 5 - Plan Assessment Workshop - ISNSW Office
- **12 September 2023** - ACS - James Clear: Atomic Habits Live - ICC Sydney
- **13-15 September 2023** - AIMS - National Conference - Hyatt Regency Sydney
- **16 September 2023** - ACS - Excellence in Surveying & Spatial Information NSW Dinner 2023 - Hilton Sydney
- **13 October 2023** - ISNSW Murray & Seniors Group Seminar & Temora Information Board Unveiling Event – Bundawarra Centre - Temora Rural Museum
- **26-28 October 2023** - ACS - The Country Surveyors Conference - Terrigal

## BE A TAFE NSW TEACHER



# TAFE NSW

Calling all qualified technical and graduate/registered surveyors and spatial information professionals

### If you have:

- The Certificate IV in Training and Assessment (TAE40116) or capacity to complete this with the support of TAFE NSW
- A qualification in either; the Certificate III in Surveying and Spatial Information Services *or* Certificate IV in Spatial Information Services *or* Certificate IV in Surveying *or* Diploma of Spatial Information Services *or* Diploma of Surveying
- A minimum 5 years current relevant industrial experience, after completion of a Certificate III qualification/s

Join a dynamic training environment in Newcastle, Riverina, Ultimo or Wollongong. Email your resume and qualifications to Sam Ebert, Team Leader Infrastructure, Civil Mining and Surveying at [Samuel.Ebert@tafensw.edu.au](mailto:Samuel.Ebert@tafensw.edu.au)

# Industry Reports

The following information may be of interest to members of our constituent organisations and the general public.

## Association of Consulting Surveyors NSW & Consulting Surveyors National (ACS)

- In June & July 2023 ACS ran its winter candidate workshops for Engineering & Design, Strata & Community Title Schemes and Town planning with the highest number of attendees to date. The candidate workshops are held twice yearly, please monitor the website for details of the next workshops: <https://www.acsnsw.com.au/events/candidate-workshops/>
- The ACS Business Summit is scheduled for August 2023. This is an important event in the ACS calendar as we focus on building professional skills for individuals. In response to the request of our members and networks we will be hosting a full day program with guest speakers including James Panaretos, Business Coach and Vanya Lozzi from Holding Redlich. While we encourage live attendance for these events, we will also offer online attendance.
- We look forward to seeing the ACSNSW and CSN websites updated and merged in the next few weeks. This will provide more efficient communication, efficiency of industry updates and news and will also enable merging email addresses for the two sources (@consultingsurveyors.com.au).
- The Country Surveyors Conference is scheduled for 26-28 October in Terrigal, NSW. The program is in the final stages and registrations are opening this week. The 2.5-day event will host surveyors from across the state and include a mix of industry speakers and networking opportunities. This year there will be a focus on encouraging student surveyors to attend to support the future growth of the profession.
- The Calendar of Events can be found here - <https://www.acsnsw.com.au/events/upcoming-events/>

## Australian Institute of Mining Surveyors (AIMS)

- The Calendar of Events can be found here - <https://www.minesurveyors.com.au/events.html>

## Institution of Surveyors NSW (ISNSW)

- **Cadastral Workshops**
  - Review is underway in alignment with the BOSSI Determination with introduction of Ethics and Railway modules.
  - Instructional workshops will be held over 3 days instead of 2 to fit more content and discussion time
    - o 11-13 August - Cadastral Workshops - Instructional
    - o 26 August - Cadastral Workshop - Land XML
    - o 2 Sept - Cadastral Workshop - Pre Plan Assessment
- Established Emerging Surveyors Group and Committee - aimed at graduates and newly registered surveyors (within 5 years) that provide a knowledge-sharing platform with many of the experts within the surveying profession:
  - o Engaged with UNSW SurvSoc for lunch with students - 10 July
  - o First webinar with ORG unpacking a complex and contentious boundary determination - 17 July
- Established the Survey Legislation working group to review the Surveying and Spatial Information Act
- Review of Webber Railway Boundary Definition is underway
- Relaunched Azimuth in June - first time in 18 months, will be published quarterly
- **Recruitment**
  - Membership & Communications officer - ongoing
  - Advocacy & Engagement Officer - position filled
- The Calendar of Events can be found here - <https://www.surveyors.org.au/events/events-calendar/>

## Surveyor General (SG)

- **NSW Gravity Model Project:**
  - Capture for the NSW Gravity Model is currently at 90% of the state. Completion of the project, including capture and delivery via NSW Government online portals is due to be completed in December 2023.
- **Digital Survey Plans:**
  - Full launch of NSW LRS Connect release 3 is scheduled for July 2023, at which stage the online plan lodgment portal will move from ePlan to NSW LRS Connect. NSW LRS will continue to accept over-the-counter lodgment of paper plans for around 12 months, while we continue to consult with industry on the reform. At the conclusion of this period, it is proposed that mandates will support an online plan creation to registration process and a move to 100% online lodgment of plans.
  - Training sessions and resources (videos and reference material) have been prepared and made available by NSW-LRS. Further training and information sessions being planned for prior launch.
  - Recommendations for wording and items to enable concurrent consent gathering for Regulation remake proceeding.

# Industry Reports (continued)

- Proof of concept and secondary state adjustment using LXML data from Deposited Plans has been successfully completed. Work is underway on embedding this workflow and deliver of updates biannually, in conjunction with the state adjustment.
- **Board of Surveying and Spatial Information (BOSSI)**
  - BOSSI registrations are now due, with dual registration between NSW and ACT no longer available, ACT surveyors wishing to work in NSW will be able to apply to work in NSW under AMR
  - The BOSSI Kurri Kurri candidate workshop was held in May with 40+ candidates and mentors attending
- **Surveyor Generals Directions**
  - Work is continuing on the update of *SGD6 Water as a Boundary*. Updates of *SGD11 Preservation of Survey Infrastructure* and *SGD8 Mining Tenure Surveys* have been completed.
- **Survey Operations**
  - Several enhancements are being made to improve the timeliness and completeness of information in SCIMS. These include:
    - o May's state adjustment was completed with the following outcomes
      - Overall SCIMS station count: 122,000
      - GDA2020 Horizontal: 58% of SCIMS Established Marks have GDA PU
      - GDA2020 Ellipsoidal Height: 30% of all SCOMS Marks have GDA VPU
    - o AHD: 55% of SCIMS (accurate) Marks have AHD-PU
- **CORSnet-NSW**
  - From January 2023 to present*
  - System uptime for CORSnet-NSW services including web services and both GDA94 and GDA2020 casters is 100%. VPN uptimes to data resellers is better than 99.99%
    - o Continuing preventative maintenance plan rolling out/modernising the following projects simultaneously
      - Receive upgrade program (to comply with SLA's for equipment currency)
      - Battery refresh and Lithium upgrades (for safety and performance)
      - Modem upgrade in preparation for decommissioning of 3G
- **Geographical Names Board (GNB)**
  - The GNB is updating the NSW Place Naming Policy which is due for completion mid 2024
  - The GNB is currently creating an Aboriginal Place Naming Policy for NSW which is due for completion in 2024
  - The GNB continues to promote Aboriginal dual naming of geographical features with Mt Canobolas recently being dual named Gaanha bula/Mt Canobolas

# Surveying Education Reports

## TAFE NSW

- TAFE NSW campuses are taking a mid-year intake due to demand. More part-time Assessors and Teachers are being engaged, with Ultimo campus engaging a Pay-to-Learn candidate. The next to Pay-to-Learn intake for Surveying and Spatial will be late 2023. Ongoing consultation with Geospatial Council of Australia is establishing a good working relationship with this new industry body.
- Recent planning meeting with Ultimo, Newcastle, Wollongong, and National Environment Centre (NEC) representatives to explore further connected delivery opportunities and resource development across the state.
- Successful media campaign through newspaper and television promoting mid-year intake at Yallah and Women in Surveying.
- NEC delivering to Wumara/Veris Cert III students for 2023, supporting survey education within indigenous community.
- Meetings with Geospatial Council of Australia to discuss Job Skills Council (JSC) and how TAFE NSW can work with industry to grow the number of spatial professionals.
- Development of a 4-unit skillset (first aid, white card and 2 practical surveying units) targeted at school leavers, career changers and disadvantaged youth.
- Near completion of a fast-track *Certificate IV Surveying and Spatial Information Services* program to the Department of Defence's Australasian Geospatial-Intelligence Organisation (AGO).



## University of New South Wales (UNSW)

- **Succession planning at UNSW** - Building on the successful industry sponsored program in the school supporting Geotech and Water Engineering academics, the SAGE group is preparing for an Industry Senior Lecturer position to assist with the surveying technical education within the school.
- **High School Visitors** - UNSW hosted 70 iSTEM teachers and promoted the new Surveying and Geospatial Engineering curriculum. We hope to encourage teachers to deliver this curriculum and support them with visiting surveyors showcasing their gear and offering work experience to a selected student <https://education.nsw.gov.au/teaching-and-learning/curriculum/departement-approved-courses/istem#/asset4>
- **EA Accreditation Rep** - Jinling Wang was invited by Engineers Australia to the accreditation panel to review the Engineering programs at University of Melbourne including Geomatics.
- **TAFE Pathway to UNSW** - UNSW have created a pathway to allow TAFE articulators even with competency-based assessment to be admitted to our BE(Surveying) program with appropriate Recognition of Prior Learning into our program. Pathways for Maths/Physics have been established. We are open for business again! <https://www.unsw.edu.au/study/how-to-apply/accepted-qualifications>
- **Teaching at UNSW** - Bruce Harvey has written a book called Project Surveying Questions. It is a compilation of selected exam questions and assignments for the course GMAT3100 Surveying Applications and Design. It is available as a free pdf download at [www.sage.unsw.edu.au/Textbooks](http://www.sage.unsw.edu.au/Textbooks) In this course we aim for problem solving and design of solutions to new and challenging projects. We use Problem Based Learning or Project Based Learning (PBL) and the Socratic method. "At a time when the routine tasks traditionally carried out by engineers is being undertaken by technicians with access to powerful computers, there is an urgent need to reframe the education of engineering students to move beyond rote learning and think creatively about real-world problems by providing innovative context focused, usable and appropriate solutions." World Engineers Convention, Nov 2019.
- **Research at UNSW**
  - ARC Linkage - Reconstructing Land Tenure Maps of Australia in 3D - about validation rules for back-captured 3D survey plans (strata, building, stratum); industry partner is Australian Spatial Analytics - Mohsen Kalantari.
  - Tyre Stewardship Australia - Using HD point cloud maps to monitor the health of rubberised structures: case studies of asphalt and concrete - Mohsen Kalantari.
  - Australian Human Rights Institute - Land administration challenges of informal settlements in Fiji - Mohsen Kalantari, Badal Pokharel.
- **IGNSS2024** - IGNSS2024 will be hosted at UNSW from 7 - 9 Feb 2024. Conference theme: Celebrating 50 years of GNSS: Navigating the next 50. Promises to be another excellent program.



## 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](mailto: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

## Smart and Skilled funded Surveying and Spatial Information Commencements

Commencements	2020	2021	2022	2023
Cert III in Surveying & Spatial	163	150	143	8
Cert IV in Surveying	3	4	15	1
Cert IV in Spatial	3	2	0	0
Diploma of Surveying	2	1	1	0
Diploma of Spatial	0	0	1	0
<b>Total</b>	<b>171</b>	<b>157</b>	<b>160</b>	<b>9</b>

Note: The data above recognises only Smart and Skilled supported training.

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 TAE40116 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 five hundred dollars.

### Eligibility Criteria

- a) Australian citizen or permanent resident of Australia
- b) Made an application for or is enrolled in TAE40116
- 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 TAE40116
- 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 25 August 2023**.

For further information and application forms please refer to the Education Options tab under Services on our website [www.smicnsw.org.au](http://www.smicnsw.org.au) or email us at [smic@smicnsw.org.au](mailto:smic@smicnsw.org.au)



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