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183rd General Meeting

The 183rd General Meeting of the Surveying & Mapping Industry Council of NSW was held on Friday 8th of September 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.

- **13th - 15th September 2023** - AIMS - AIMS 2023 National Conference - Hyatt Regency Sydney
- **14th September 2023** - AIMS - AIMS Annual General Meeting - Hyatt Regency Sydney
- **16th September 2023** - ACS - Excellence in Surveying & Spatial Information NSW - Hilton Sydney
- **21st September 2023** - ISNSW - Mt Annan Gardens Plant Bank Tour - Mount Annan, NSW
- **27th September 2023** - ACS - Digital Transformation for Surveying - Bopp & Tone
- **29th September 2023** - ISNSW - ISNSW Central West Regional Group Seminar - Orange Ex Services Club
- **13th October 2023** - ISNSW - ISNSW Murray & Seniors Group Seminar & Temora Information Board Unveiling - Bundawarra Centre, Temora Rural Museum
- **20th October 2023** - ISNSW - ISNSW North Coast Group Seminar & AGM - Grafton District Services Club
- **26th - 28th October 2023** - ACS - Country Surveyors Association October Conference 2023 - Crown Plaza Terrigal, NSW
- **2nd November 2023** - ISNSW - Emerging Surveyors Webinar
- **8th November 2023** - ISNSW - ISNSW Cumberland Group November Seminar & AGM - Castle Hill RSL Club
- **9th November 2023** - ISNSW - ISNSW Annual General Meeting - via Zoom and at the ISNSW Head Office
- **15th November 2023** - ISNSW - ISNSW Sydney North Regional Group Meeting - Roseville Golf Club
- **16th November 2023** - ISNSW - ISNSW Seniors Group Luncheon - Seven Hills RSL Club
- **16th November 2023** - GCA - 2023 ACT Geospatial Conference & Awards Reception - Canberra, ACT
- **21st November 2023** - ISNSW - ISNSW 56th Annual Golf Day - Pennant Hills Golf Course
- **24th November 2023** - ISNSW - ISNSW Southern Group Full Day Seminar - Sage Hotel, Wollongong
- **30th November 2023** - ISNSW - ISNSW St George Sutherland Group Christmas Dinner - Club on East Sutherland

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

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)

- EISSI (Excellence in Surveying & Spatial Information) Awards 2023 are being held on Saturday 16th September welcoming 400 guests to the Hilton Hotel in Sydney.
- The Country Surveyors conference is scheduled for 26 - 28 October in Terrigal NSW and registrations are being taken for the 2.5 day event. This year there will be a focus on encouraging student surveyors to attend to support the future growth of the profession.
- The ACS State Conference will be held at Parliament House on the 22nd November. This is an important event in the ACS annual calendar as it is an opportunity to profile the profession to decision makers in both industry and government.
- The Surveyors Academy is proving to be an essential and in high demand training provider for many companies and individuals in the profession. The Academy will be hosting a free webinar with Abea Francia from Apprenticeship Support Australia and Peta Cox from the Surveyors Academy. Information will be provided on how traineeships work and answer many topical questions around this subject.
- The Calendar of Events can be found here - <https://www.acsnsw.com.au/events/upcoming-events/>

Institution of Surveyors NSW (ISNSW)

- Candidate workshops were completed over 3 days with the introduction of Ethics and Railway modules and case study deep dives. Positive feedback has been received from attendees.
- Emerging surveyors webinar held with Matthew Cooper on complex boundary determination. Next webinar will be a 2-part mini series with Mitch Hanlon on Sales Training (18th October) and Craig Turner on Employment Culture (2nd November) which will be hybrid format with networking afterward. Next mini series will be held in the new year on strata.
- Survey Legislation working group has met multiple times with members reflecting on other states' acts to assess opportunities for harmonisation or improvements.
- Regional Group Chair meeting held 25th August - positive discussions on ISNSW matters.
- Seeking director nominations for the ISNSW Board.
- 2nd edition of Azimuth is out now with a fresh new look.
- EISSI (Excellence in Surveying & Spatial Information) Awards 2023 being held Saturday 16th September
- The Calendar of Events can be found here - <https://www.surveyors.org.au/events/events-calendar/>

NSW Surveying Taskforce

- The taskforce has had a very busy 3 months attending various career expos, events and conferences and has participated in over 40 activities and events since the beginning of the year.
- Attended STEM conference last week to promote the iSTEM course primarily targeting parents, teachers and students and developed contacts with over 25 schools at the event.
- The taskforce are pleased to announce that they have secured a significant funding deal with the Surveyors Trust in QLD and the taskforce will start organising events from October 2023 which will benefit schools where there has been no representation from the surveying industry in over 2 years.
- The taskforce recently had the opportunity to speak directly to industry, working with ISNSW to provide floor space, attending mining industry events throughout June and July and will be speaking at the AIMS conference in September.

Geospatial Council of Australia (GCA)

- The Calendar of Events can be found here - <https://sssi.org.au/events-awards/events>

Surveyor General (SG)

Digital Survey Plans:

- NSW LRS Connect Release 3 was successfully implemented on 31 July 2023. NSW LRS Connect replaces ePlan for all online lodgment of plans and is a major milestone in completing the following for the Digital Survey Plans reform:
 - Develop alternative digital lodgment channel to replace the submission of plans at the NSW LRS lodgment office.
 - Provide facility for Registered Surveyors to digitally certify and recertify their plans online.
 - Provide the capability for surveyors to securely provide access to their Surveyor Certified Plans and associated documents with consenting parties and others as required.
 - Provide online services for creation of tailored digital documents (such as administration sheets and section 88B instruments) that pre-populate the information from digital plan data, the register and other data sources.
- With the successful launch of NSW LRS Connect, a mandate for 100% online lodgment of plans will be put into place in 2024. NSW government and NSW LRS is working through associated documents and guides to ensure successful adoption.
- A Consultative Committee meeting was held 2 weeks after the launch to gauge industry feedback. The launch has been well received by industry with minimal expected levels of communication and guidance and no major issues.
- The Digital Survey Plans Steering Committee is developing a revised Delivery Plan for the reform to update the timetable and ensure the deliverables accurately reflect industry needs and changes in technology. The document is expected to be tabled in September and then presented to the Consultative Committee for industry review in October 2023.

Geographical Names Board (GNB):

- The GNB was represented at the biennial PULiIMA Indigenous Language and Technology Conference held in Darwin last month. GNB presented on the work NSW is doing to encourage the recognition and use of Aboriginal place names and how the GNB policy contributes to the broader objective of language revitalisation.
- The GNB, National Parks and Wildlife Service (NPWS) alongside Wiradjuri Elder Neil Ingram and his family recently took part in a photo opportunity to mark the dual naming of Mount Canobolas in the Central Tablelands with the Wiradjuri name Gaanha-bula. GNB worked closely with NPWS, Wiradjuri Elders, the Local Aboriginal Lands Council and both Cabonne and Orange City Councils during the naming process.



- At the end of the 2022/2023 financial year, GNB reported on its activities as follows:
 - Twenty-seven Aboriginal place names were assigned.
 - 119 place names were proposed to the Board.
 - 75 place names were officially assigned.
 - In addition to this, 1,428 road names were evaluated on behalf of the NSW Surveyor General.
- The GNB continues:
 - Working on the NSW Place Naming Policy
 - Developing an Aboriginal Place Naming Policy for NSW, due for completion in 2024

Board of Surveying and Spatial Information (BOSSI):

- Applications for BOSSI Land Candidate exams have now closed (08/09/2023). Exams will be held on the week of 9 October.
- BOSSI Mining Project Assessments were held on the 6 September and the BOSSI Mining Legislation Assessments will be held on 25 September.

Surveyor Generals Directions:

- Work is continuing on the update of SGD6 *Water as a Boundary*. Updates of SGD11 *Preservation of Survey Infrastructure* have been completed and SGD8 Mining Tenure Surveys is under approval process, expected release date end of September 2023.

Survey Operations:

CORSnet-NSW.

- System uptime for CORSnet-NSW services, including web services and GDA94 and GDA2020 casters is 100%. VPN uptimes to data resellers is better than 99.99%.
- Ongoing maintenance and upgrades were reinvigorated after being severely affected by COVID restrictions in FY 2021/22 including:
 - Receiver upgrade program (to comply with Service Level Agreements for equipment currency). 23 receivers were upgraded, bringing the total to 197 receivers since the beginning of the replacement and modernisation project in 2017. Only 7 receivers in the network are older than 7 years.
 - Battery refresh and lithium upgrades (for safety and performance). 17 sites were refreshed. This year the focus is on upgrades to lithium which requires an entire cabinet refit. 11 sites were upgraded to lithium. Total upgraded to lithium is now 25 since the project began in 2022.
 - Modem upgrade in preparation for the decommissioning of 3G. 28 high performance industrial cellular modems were installed bringing the total to 288 installed at 183 sites since the project began. Only one legacy modem remains in the system. The team has begun the testing and rollout of high performance 5G M2M modems with three test sites completed.
- Four new CORS builds at:
 - Wentworth
 - Forbes
 - Fort Denison
 - Western Sydney Airport



Muswellbrook CORS construction



WSIA CORS construction

Survey Control Information Management System (SCIMS):

- In 2022-23, SCIMS achievements included:
 - Adding 2,506 new survey marks to SCIMS.
 - Updating coordinates for a further 586 marks in SCIMS.
 - Receiving and processing more than 2,360 locality sketch plans.

State Survey Mark	State Survey Mark	State Survey Mark	State Survey Mark	Permanent Mark	Permanent Mark	Brass		State Survey Mark
Type 1	Type 2	Type 15	Type 16	Cover Box	Stainless Steel Pin	Brass Screws	Number Plate	Type 15 Pin Only
107	231	1357	265	756	101	1572	794	17

Number and type of Survey Marks issued during 2021-22.

NSW State Adjustment & survey mark data enhancements:

- Several enhancements are being made to improve the efficiency and accuracy of information in SCIMS. These include:
 - 1. June 2023 monthly state adjustment was completed with the following outcomes:
 - Overall SCIMS station count: 130,100.
 - Overall measurements count: 1,071,000.
 - Overall stations count: 148,000.
 - 2. LandXML to SCIMS (LX2s) project: A successful pilot project was carried out at 11 separate locations across NSW. The project successfully updated SCIMS with 4,188 survey marks at Class D using 33,981 survey measurements extracted from 7,099 survey plans. Only 5% of the overall process was conducted manually as part of the quality assurance process.

Surveying Education Reports

TAFE NSW

- TAFE NSW continues to work with our software and hardware vendors to coordinate annual maintenance payments, licencing and points of contact
- The release of the TAFE NSW budget is imminent. This will facilitate further surveying and spatial equipment uplift
- TAFE NSW will be presenting at the Tasmanian Forum on Surveying and Geospatial workforce training on 9 November 2023
- TAFE NSW will be meeting with Austrade and Association of Geospatial Industries (AGI India) later this month
- Interviews with two candidates for the next round of SMIC TAE scholarships were conducted this week
- One of TAFE NSW part-time casual teachers won the Geospatial Council of Australia *NSW Education Development Award*
- We have learners nominated for the *2023 EISSI Grant Kilpatrick Vocational Student of the Year* award



University of New South Wales (UNSW)

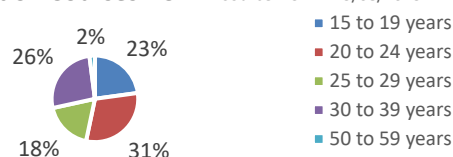
- We hope to advertise for an Industry Senior Lecturer position in the coming weeks. We are looking for a surveyor who is seeking a career change and wants to teach technical surveying courses such as cadastral, CAD, survey comps and survey camps. Attractive salary package and conditions and lots of mentoring. We hope we can attract the right person to support our teaching.
- UNSW Open Day took place on Saturday Sept 2 and attracted 40,000 visitors. SAGE hosted a tent with activities and live laser scanning in the foyer. There was a lecture at 1pm which attracted over 40 people. This is a big day for us and we hope we might attract lots of new students for 2024.
- iSTEM curriculum is up and running and we hope to attract more teachers to deliver this 25 hour program to year 9/10 students: <https://education.nsw.gov.au/teaching-and-learning/curriculum/departement-approved-courses/istem#/asset4> Craig Roberts added a new resource to assist teachers: <https://www.youtube.com/watch?v=KcgR4-VgOvA>
- 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. Pathways for Maths/Physics have been established. We are open for business again!
- 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.

Arts Communications Finance Industries and Property Services (ACFIPS)

- Intake for Cert III in Surveying & Spatial Services remains strong, even after the curtailment of the Boosting the Apprenticeship funding post COVID.
- Age Profile for VET and Surveying & Spatial Services students:
 - 53% of student intake aged between 15 and 24.
 - 44.7% of student intake are mature students aged between 25 - 39.
- Female Participation has increased from 7.2% (20) in 2020 to 13.8% (60) in 2023.
- Uptake in students undertaking the Cert III in Surveying and Spatial Services from 405 in 2021 to 445 in 2022 which is a 10% increase.
- Completion rates for all courses are trending down; the Cert III in Surveying and Spatial Services completion rate has gone from 44% in 2019 to 36.4% in 2021 however the completion rate for the Cert IV in Surveying and Spatial Services is slightly up from previous years at 71.4%

AGE Profile across all Surveying and Spatial

Information Courses NSW - source NCVET 23/08/2023





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

Smart and Skilled funded Surveying and Spatial Information Commencements

Course Code	Course Name	Start Date		
		2021	2022	2023
CPP30216	Certificate III in Surveying and Spatial Information Services	125		
CPP30221	Certificate III in Surveying and Spatial Information Services		133	179
CPP40216	Certificate IV in Surveying	1		
CPP41721	Certificate IV in Surveying and Spatial Information Services		15	2
CPP50116	Diploma of Surveying	1		
CPP50121	Diploma of Surveying		1	
CPP50221	Diploma of Spatial Information Services		1	
Grand Total		127	150	181

Note: This data 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 will re-open soon (date TBA)

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



The Chair - SMIC NSW
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