

Navshield 2021

PARTICIPANT INFORMATION PACKAGE

Tarlo River - 26-27 June 2021

Organised by

NSW SES Bush Search and Rescue Unit





AUSTRALIAN EMERGENCY SERVICES NAVIGATION SHIELD - Navshield 2021

Dear Participant,

Thank you for entering **NAVSHIELD 2021!**

Please read this information package carefully.

All teams will receive the information pack electronically on Sunday night 20 June 2021, and the team list will be available on our website (www.bsar.org.au/navshield) from Monday night 21 June 2021.

It will assist if you quote your team number at the Registration Desk when you arrive at Navshield.

This will be the final information pack, and in it we have included:

- COVID-19 requirements
- Contacts
- General information
- Driving directions
- Description of the event terrain
- *SportIdent* electronic punching system
- Event safety
- Registration procedure
- Program timetable
- Navshield rules
- Special thanks

Navshield will be on regardless of weather so be sure to bring warm and waterproof gear. This time of year can be cold, wet and even snowing so be prepared. (See Minimum Equipment Rules).

Regarding the COVID-19 situation, Navshield will be on providing NSW Health regulations allow it to proceed. If some suburbs are in lock-down but the rest of the state is normal then the Navshield event will proceed, but people from those suburbs will not be able to attend.



COVID-19 Requirements

This event is operating under a NSW Health COVID-19 Safety Plan and it is mandatory that everybody at the event site (all participants, spectators and event officials) comply with the COVID-19 Safety Plan.

You must not attend Navshield if you show any symptoms of COVID-19. These include:

- Fever (37.5°C or higher)
- Cough
- Sore throat
- Shortness of breath (difficulty breathing)
- Runny nose
- Loss of taste
- Loss of smell

You must not attend Navshield if you have any COVID-19 restrictions placed on you. These include:

- You have COVID-19 or are a close contact
- You are self-isolating
- You are waiting for the result of a COVID-19 test
- You are from a region which is a declared COVID-19 hotspot or has had movement restrictions declared

If you have to withdraw from Navshield due to these requirements please email navshield@bsar.org.au and we will give you a 100% refund.

The COVID-19 Safety Plan requires everybody to Check-In on arrival:

- Everybody must Check-In when arriving at the site. There is no reliable mobile phone coverage at the site, so everybody must register by completing a paper form.
- A copy of the Check-In form is at the end of this document.
- Please complete the Check-In form BEFORE arriving at the site. You must include the contact details of everybody in the vehicle you are travelling in.
- You must give this form to the Marshall at the site entrance on arrival. The Marshall will check the form is correct.
- The Marshall will also confirm nobody in the vehicle displays the COVID-19 symptoms. If anybody with symptoms is found the vehicle will not be allowed to proceed and will be sent home.

If you drive away from the base site and return later you will need to hand in a new form when you return. Take a blank form from the Check-In marshal as you leave so you can have it completed and ready to hand in when you return.

The information on the Check-In form will only be used for the event COVID-19 plan. It will be handed to NSW Health contact tracers if an authorised NSW Health officer requests it. If it has not been requested by 28 days it will be destroyed.

At the event, please maintain social distancing of 1.5m. There will be hand sanitiser available and we will be doing regular cleaning of all touch points throughout the event.

You do not need to Check-Out when you leave the event.



CONTACTS

General enquiries:

Contact Glenn Horrocks, Navshield Event Coordinator, on 0425 241 236 or email: glenn.horrocks@member.ses.nsw.gov.au. (Phone not available at the event)

Registration and Team Changes:

Contact Brian Stirk, Navshield Registrations, on 0422 352 353 or email: navshield@bsar.org.au. (Phone not available at the event)

Emergency contact numbers:

Event Emergency Phone:

0448 093 524

Backup Satellite Phone:

0147 181 729

These phone numbers are the only ones which will work at the event.

These numbers will be monitored for the duration of the event by Navshield Incident Control Base. The Navshield Incident Controller is Glenn Strkalj, and the Deputy Incident Controller is Keith Williams.



GENERAL INFORMATION

Dates:

Navshield 2021 will be held on the 26-27 June 2021.

Acknowledgement of Traditional Owners:

Navshield 2021 is being held on the traditional lands of the Gundungurra Aboriginal groups. We acknowledge them as the traditional custodians of the land, and recognise their continuing connection to land, water, and culture. We pay our respects to the elders past, present, and emerging.

Location:

Tarlo River National Park - it is near Marulan and Goulburn, around a 2.5 hour drive south west of Sydney, and is around 1.5 hours drive north of Canberra.

Event Cancellation or Postponement:

Navshield is a rugged outdoor endurance event which is designed to test the ability of the emergency services to operate in variable conditions. Therefore the Navshield is normally held regardless of weather. However, in the event of extreme weather, bushfire or other extreme event Navshield may be cancelled or postponed. In the rare circumstance where we do need to cancel or postpone the event we will email all participants and put a message on the Navshield website.

Base Site:

The Navshield base site will be on private farmland on the property "Amaroo", which is accessed via Long Swamp Road, Greenwich Park.

Location of the base site:

- **Grid Reference:** 55H 767611 6172223
- **Lat / Long:** -34.556943°, 149.916582°

The base site will be open from 12:00 (midday) on Friday 25 June until 17:00 Sunday 27 June.

Access to the base site:

The turn off to base is at 55H 768119 6172070, from Long Swamp Road. This is the entrance to the property "Amaroo".

From Sydney: Take the Hume Freeway south to Marulan. Exit the freeway at the Marulan Truck Weighing Station exit and zero your tripmeter.

- 1.2km: Intersection with George Street, go straight ahead onto Brayton Road as you pass through Marulan
- 2.2km: turn right (north) to stay on Brayton Road
- 17.9km: turn left (west) onto Towrang Road
- 22.7km: turn right (north) onto Long Swamp Road
- **Local residents have requested a 50km/h speed limit on Long Swamp Road, and 40km/h in the final 400m before the turnoff. Please respect these limits.**
- 26.1km: Entrance to "Amaroo". Google Maps shows this as "Potters Trail"



From Goulburn: Use the north Goulburn access to the Hume Freeway travelling north (towards Sydney) and zero your tripmeter when you get on the Freeway.

- 4.2km: Turn left (north) onto Towrang Road
- 25.7km: Turn left (north) onto Long Swamp Road
- ***Local residents have requested a 50km/h speed limit on Long Swamp Road, and 40km/h in the final 400m before the turnoff. Please respect these limits.***
- 29.1km: Entrance to “Amaroo”. Google Maps shows this as “Potters Trail”

The base site is easily accessible by 2wd vehicles. Please drive carefully and slow down for wet or icy conditions or wildlife. Please keep your speed below 50km/h on Long Swamp Road (40km/h in the final 500m before the turnoff) out of respect to local residents.

Approved arrival times:

Friday 25 June 2021:

Participants may arrive at Navshield between 12:00 – 23:00.

Saturday 26 June 2021:

Participants may arrive at Navshield after 0630.

Please plan your journey so that you arrive within the times mentioned above.

Camping at the base site:

The base site is a private farm which the landholder has kindly allowed us to use for the event. We do not want to damage the landholders property, so everybody must comply with these conditions at the base site:

- It is self-sufficient camping.
- We have provided toilets.
- Generators can only be run 07:00-21:00, and try to minimise noise. Event officials may need to run generators outside these hours– we have got a silenced generator to minimise noise.
- All camping is to be in the camping areas marked on site. Event officials will help you camp in the correct areas.
- All vehicles are to be clean of dirt and mud before arriving on site.
- All boots, socks and clothing are to be clean of dirt, burrs and weed seeds before arriving on site.
- Fires are only to be in raised metal fire holders or drums. No fires on the ground or on rocks. We have permission from the landholder that a single communal campfire near administration will be the only fire on the ground.
- No collecting firewood from the farm or nearby National Park.
- All firewood must be brought in and must not be live timber. Definitely no seeds are to be brought in, and nothing which could grow if it falls on the ground.
- We have one camp site area which is a short walk-in only with no vehicle access. If you want a quieter spot this is the place to head for. A traffic marshal can direct you when you arrive.
- Please minimise vehicle use on the base site, especially heavy vehicles. We don't want to chop the paddock up.
- No chainsaws
- Take all rubbish out with you.
- Please leave the area as you found it.
- Car pooling and light weight camping tents are preferred. Please refrain from bringing large camper trailers, caravans, and campervans.



- Fuel stoves are recommended as an alternative for all cooking at base.
- The consumption of alcoholic beverages is permitted whilst you are not participating in the event. All alcohol must be BYO. However, the organisers of the event will not tolerate you drinking to excess, and putting yourself, your team members, and the community at risk.

Alternative Accommodation:

Alternate accommodation can be found at Marulan and Goulburn, about 30 minute drive from the base site. Taralga might appear closer but is 60 minute drive from the base site.

Toilets at the base site:

Portable toilets will be provided at the Navshield base site. We recommend that you bring your own personal toilet paper because supplies may run low. We will also supply hand sanitiser.

Drinking water at the base site:

It is preferable if you can bring your own drinking water for the weekend. We do have a drinking water tank on site, from which you may take a modest amount of water if required. Please turn the tap off when finished and do not waste it!

Food:

- Catering will be provided at the base site by Salvation Army Emergency Services Catering.
- Meals need to be pre-ordered during online registration. However a limited number of additional meals will be available for purchase at Navshield.
- People entitled to meals will be given meal tickets in team envelope you collect at administration. The meal ticket will show if you requested a vegetarian option.
- If you have any other special dietary requirement please inform the caterers when you collect your meal. They will prepare a special meal to your requirements. The caterers have been informed of all special dietary requirements entered during registration.
- The nearest shop is a 30 minute drive away (Marulan or Goulburn), so please come prepared.
- All teams should carry their own spare food during the event, even if you are planning on returning to base on the Saturday night.
- Teams who requested field ration packs will find that they are very generous serves. Most people don't finish a ration pack. If you ordered a ration pack you will be given it when you report to the Registration Tent. If you requested a special ration pack (such as vegetarian or gluten free) please tell us as you are handed your ration pack at the Registration tent.
- No food will be served or supplied on the Navshield course. There is limited water at radio checkpoints Alpha, Bravo and Charlie. It is OK to fill up your water bottles but please do not use more water than that.
- At the finish line we will have a box of fruit available for you to take one or two. You can also take a piece of fruit or two at the start of the event if you ask the Salvos.

Tea, Coffee and Hot Drinks:

A barista from "Three Wise Beans" will be at Navshield this year. They will be selling barista coffee, specialty tea, hot drinks and possibly some snacks. If you wish to get something from them you will need to pay them at their van. They will have EFTPOS available. They will not accept Navshield meal tickets.



Fuel:

The nearest fuel is available at Marulan or Goulburn.

Mobile phones and internet:

Please do not expect any mobile phone or internet coverage at Navshield 2021. There is only limited coverage from the ridge tops. (In case you are wondering: The event emergency phone is running off a satellite internet backhaul on WIFI calling mode, not the mobile phone network)

Prohibited:

- Pets (please contact the event organisers prior to Navshield if you need to bring a disability assistance animal)
- NSW National Parks are no-smoking areas.
- Chainsaws
- Drones

Support Crews:

Support crew or spectators are welcome. They must:

- Check-In as they enter base
- If they wish for their meals to be catered for them they must have purchased them online before the event or at the Administration tent during the event
- Must stay near base and not enter the National Park

Accessibility:

The base site is not wheelchair accessible this year.

Weather:

- Weather forecasts (Goulburn forecast as of 20 June):
 - Friday 25 June: 6-12°C, Shower or two, 50% chance of any rain, possible rainfall 0 to 1mm, wind NW 25-25 km/h.
 - Saturday 26 June: 5-10°C, Shower or two, 60% chance of any rain, possible rainfall 0 to 1mm, wind NW 20-25 km/h to W 20-30 km/h in morning.
 - Sunday 27 June: 2-10°C, Partly cloudy, 20% chance of any rain, wind W 15-20 km/h.
- It is going to be cold overnight and in the mornings. Bring lots of warm clothes!

Average Weather Conditions for the Area:

- Average June temperatures are 3°C overnight to 12°C during the day.
- Participants are asked to bring sufficient warm and dry clothing (see equipment rules).
- Average monthly rainfall for June is 54 mm, with 5 days of precipitation on average. On very rare occasions there are snowfalls.
- Sunrise 07:09, Sunset 16:59
- Full moon, rising 18:26 Saturday and setting 08:30 Sunday.

Commemorative Merchandise:

There is no Navshield merchandise this year.

First Aid:

St John volunteers are stationed at base to assist with any incident requiring first aid. They are located next to the Administration tent.

Catering:

Salvation Army Emergency Services Catering will be catering for Navshield this year. Meals



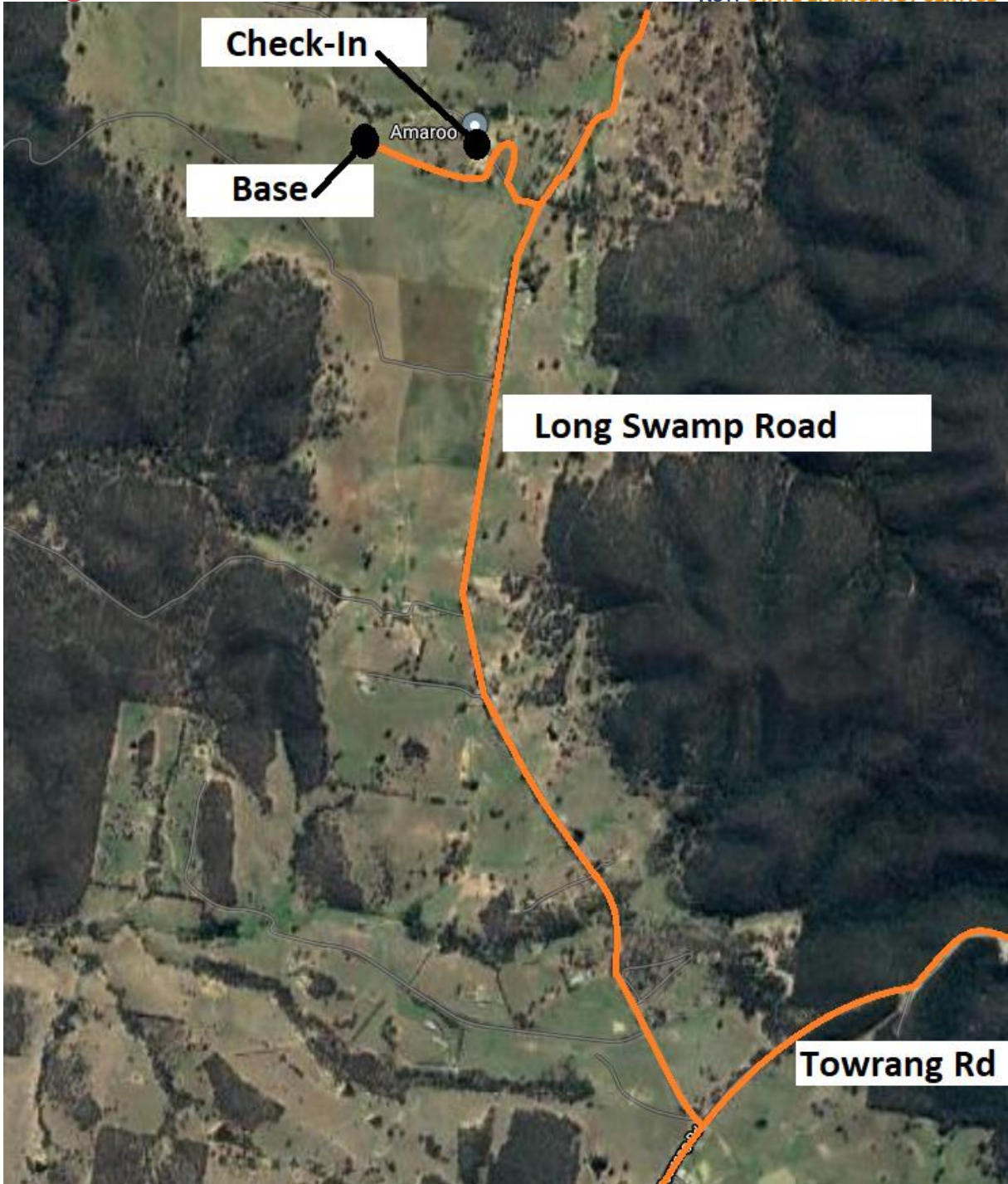
need to be pre-ordered, however, a very limited number of additional meals will be available for purchase from the registration tent.

Disposable plates, cups and cutlery will be provided. You can bring your own mess kit, including plate, mug, knife, fork, and spoon but it will be up to the caterers as to whether they can accept it.

Meal times and prices are as follows:

Friday	Dinner	18:00 to 20:00	\$17.50
Saturday	Breakfast	06:00 to 08:00	\$12
Saturday	Dinner	18:00 to 20:30	\$17.50
Sunday	Breakfast	07:00 to 09:00	\$12
Sunday	Lunch	12:00 to 14:00	\$15

People entitled to meals should collect their meal vouchers from the registration desk, which can then be redeemed at the catering tent.



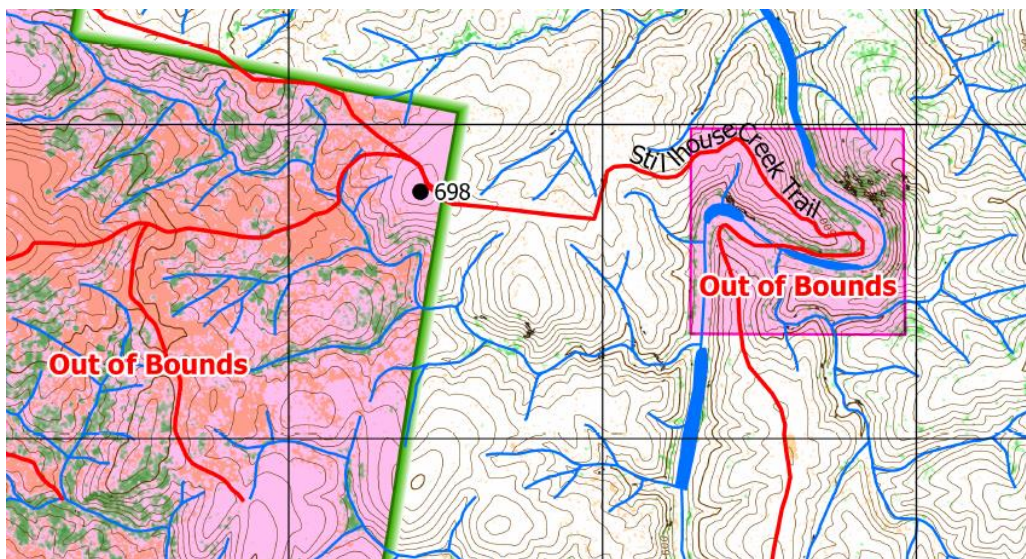
Aerial photo of access to base site

THE NAVIGATION COURSE

This year's course is within Tarlo River National Park and a neighbouring private farm.

Out of Bounds:

On the course map there are regions marked Out of Bounds. They are clearly marked on your map in a pink colour (see below). You must not enter these areas. Any team found in these areas will be disqualified. These areas are private property and areas National Parks have instructed us to stay away from.



Maps:

The course map uses a scale of 1:25 000 and is a topographic map. The map is not based on standard topographic maps, but has been generated directly from LIDAR data (laser based aerial mapping). This means the map has some fundamental differences to the topographic map you may be used to:

- The contours are much more accurate and show much finer detail
- Vertical faces of 3m and over are marked as a black dot. This means that even individual boulders are marked.

This year's course map will be printed on one A2 size sheet. The course maps that are provided will be printed on Teslin ([https://en.wikipedia.org/wiki/Teslin_\(material\)](https://en.wikipedia.org/wiki/Teslin_(material))). The map will be very robust and water resistant and can be written on with normal pens and markers. HB pencils do not work well on it, so if you want to use a pencil it should be a soft one such as 4B or softer. You will not need to use a map case or plastic film as the maps will withstand a weekend's thrashing through the bush unprotected. If you wish to use a map case or cover the map in "Contact" that is your choice, but it is not essential. We will provide one map per participant, with no spare maps provided.

Grid squares on the map are one kilometre in size, and the contour intervals are 10m.

Note that the process of extracting the map from LIDAR data is not perfect and sometimes the algorithms get it wrong. The accuracy of the map depends heavily on the LIDAR data quality – unfortunately this year the northern half of the map has good data quality and produces an



excellent map, but the southern half of the map is of poor LIDAR quality and we were unable to get accurate vegetation and rock face information from it. You should consider this in your navigation decisions when on the southern half of the map.

Novice routes

The course setter recommends this as a suitable route for beginner navigators:

Base-20-30-52-58-Charlie-53-40-51 (15 km)

Base-20-30-45-41-Charlie-53-73-60 (15 km)

Terrain:

Specific information will be provided in the final briefing prior to the event. So please be on time and pay attention during the briefing.

The terrain is relatively steep and rugged, and there are no tracks other than fire trails. The ridges have open woodland with little scrub. There is some scrub near the Tarlo River and the immediate side creeks, but it is very walkable.

Tarlo River:

Be very careful when crossing the Tarlo River. If you can't cross safely, try a different location or don't cross. You will get wet feet when crossing the river, so be prepared. It is dangerous to remove shoes and cross in bare feet. We have marked a few points where we crossed safely during course setting to help you plan, but the river crossings on the map are a guide only – use your own judgement when deciding where to cross.

Boil or treat the water from the Tarlo River and its side creeks.

Fences on base property:

Do not cross fences on the property between base and the national park. The out-of-bounds areas on the map are there to prevent participants from climbing large, new fences. You will be disqualified if you enter an out-of-bounds area.

Hazards:

There is a knife-edge ridge with steep drop-offs south of control 81. Be careful, particularly at night.

Many of the ridges have old fences running along the top. Many of these fences have collapsed and there is wire on the ground, although usually not barbed wire. The collapsed fences can be a trip hazard, particularly at night.

If you are in doubt about your route then take the time to find a better route. It is better to skip a checkpoint than to risk injury. All of your team members should be comfortable with your chosen route. If not, then the team should go around the obstacle, and find an alternative route. In many areas the vegetation is thin, and the soil is rocky and loose. Falling rocks therefore pose a potential hazard in steep areas. Teams should apply a staggered line formation when moving through such areas, in order to avoid the risk of falling rocks hitting somebody.



Radio Checkpoints:

Teams must report to at least one Radio Checkpoint each day and punch the control there. A point penalty equivalent to 25% of your total score will be imposed if you do not visit a radio checkpoint each day. There will be three radio checkpoints on the course called Alpha, Bravo, and Charlie.

The radio checkpoints form an important part of the course safety. Staff will be based at the radio checkpoints for the duration of the event. They will be in communication with Base, and can summon additional help if required. When you pass a radio checkpoint you be asked to complete an intentions form. Take the time to fill this form in. You are not bound to follow these intentions but it will help us find you if you have an incident – it is for your own safety.

Two-day teams:

You can score a radio checkpoint twice by visiting it on Saturday and Sunday. Please note that the control at Radio Checkpoints Alpha, Bravo, and Charlie automatically records the time of your visit (so we know whether you visited Saturday or Sunday).

You may also report to the administration tent at Base between 6am - 9am on Sunday morning which counts for a visit to a radio checkpoint on the Sunday. However, no points will be earned in this case. You just avoid the penalty being applied.

Late Penalty:

The finish time for the one-day event is 18:00 on Saturday; and for the two-day event is 12:00 on Sunday. Any team returning to base after these times will be penalised at 10 points per minute late, or part thereof. Any team more than 1 hour late will be retired from the event and will be scored as "Late". If you are far from Base, and likely to be more than 1 hour late for your finish time, please proceed immediately to the nearest radio checkpoint. Then we will know that you are safe, and we can organise transport back to Base for you.

Water:

- Some watercourses have water – it is your choice whether you treat, purify or boil it before you use it.
- The Tarlo River has lots of water but we strongly recommend you treat, purify or boil it before you use it.
- Drinking water will be provided at base and all Radio Checkpoints.

Fences and Gates:

Do not climb fences in or bordering private property. Fences are to be crossed at gates which are marked on the event map. Please leave gates as you found them.

Livestock:

In private property you might come across livestock. Please go around them (don't try to herd them out of the way) and keep well clear. Do not scare them.

Master Map:

An event master map will be available for viewing after 09:00 on Saturday. This will allow you to check the accuracy of the checkpoint locations you have marked on your map – but only after the start of the event. One of the course setters will also be there to discuss route choices with you. Inexperienced teams should take the opportunity to talk to a member of the NSW SES Bush Search and Rescue Unit about their intended route. Some route suggestions will be provided to any team which asks.



Minimum Impact Bushwalking:

Minimum Impact Bushwalking means that whilst bushwalking we strive to ensure that our activity results in no damage to the environment. Ideally another party following you should not be able to tell that you have been there.

All participants are asked to practice minimum impact bushwalking whilst at Navshield. This includes:

- Do not feed any animals in the bush.
- Be especially careful when walking near environmentally sensitive areas. Some exposed rocky areas have fragile soil ecosystems. Please minimise your activity in these areas, and tread lightly.
- Take any rubbish out with you, including fruit peels.
- Two day teams may choose to camp overnight on the course. However, please choose your campsite carefully, and minimise damage to flora and fauna.
- Minimise noise at all times, and be respectful of other participants and other National Park users. Navshield does not have exclusive use of the National Park during the event.
- If you come across a site which may have Aboriginal artefacts please treat them with respect, and avoid any unnecessary disturbance.
- If you need to toilet in the bush you must choose a site which is at least 100m from tracks and watercourses. Dig a hole (at least 10cm deep) and cover the site with soil (including burying used toilet paper).
- Use the toilets provided at base.
- Remember your personal hygiene. Handwashing is recommended.
- Do not use detergents or soaps in any of the creeks.
- Be as self-sufficient as possible.

SPORTIDENT electronic punching

This year we are using the *SportIdent* electronic checkpoint system.

You will be issued with 1 stick per team and a wristband. One member of your team will need to attach the stick to their wrist with the provided wristband, and it must remain there until they finish the event (you cannot take it off during the event). When visiting a checkpoint the stick needs to be put in the hole in the control hanging at the checkpoint. A red light will flash on the control and/or it will beep. As long as you get a flash or a beep the visit has been registered.

If the control does not flash or beep, use the manual punch attached to the flag. Punch the side of a piece of paper and write down the control number.

When you finish the event you need to put the stick in the finish control. An event official will cut your wristband to take the stick and have it downloaded. If there was a failure of the system at any control report the problem to the Registration tent.

If you lose or fail to return the stick you will be charged \$70 replacement cost.



An SI Stick



A control



SI Stick is attached to your wrist with the wrist band



Punching a control (except your stick will be attached to your wrist)

Fitting the wristbands

The wristbands are made from a rugged vinyl material and cannot be removed from the wrist without breaking them. Wear them quite loosely. You should be able to fit two fingers comfortably between the band and your wrist. Over a long period a tightly fitted wristband will cause irritation.

Thread the band through your stick, wrap it around your wrist, then close the clasp through one of the holes in the strap. The excess strap can then be removed.

Issuing SI Sticks

You will not get the SI stick and wrist band on Friday night. The SI sticks will be available at Registration tent on Saturday after 06:30 once your team hands in all your waiver forms. Please put in your wrist immediately so you do not lose it!



EVENT SAFETY

A comprehensive set of plans have been developed for Navshield. Participants shall also be responsible for their own personal safety during Navshield by following the event rules, including the minimum mandatory equipment rules.

Bushrangers:

Event officials will be patrolling the course, we call them *Bushrangers*. The *Bushrangers* are likely to be your first contact in the event of an accident, incident, or emergency. They will also conduct random checks to make sure that teams are adhering to the event rules.

Radio Checkpoints:

The radio checkpoints form an important part of the course safety as they allow us to track your location on the course. There will be three radio checkpoints on the course called Alpha, Bravo, and Charlie.

Medical Assistance and First Aid:

The *Bushranger* teams will have qualified First Aid personnel. At base St John have a first aid tent, and NSW Ambulance will have a Special Operations Team on stand-by.

Injured team member:

If a member of your team incurs an injury on the course you should first attempt to make contact with the *Bushrangers* in your vicinity. If this is not possible then please attempt to call the emergency contact numbers (they are shown on the event map). If you are unable to contact the event organisers then at least two people should go to the nearest Radio Checkpoint, or to Base, to request assistance.

Do not leave an injured person in the bush alone.

If you meet another team which has an injured participant, or is otherwise in difficulty, please assist them if requested. Make sure members going for help write down the team name and number of the team in difficulty, the name of the injured person and the nature of the incident and any injuries sustained, the location, and the time the incident occurred. Information should be reported to the nearest radio checkpoint, or to *Bushranger* team.

Personal Locator Beacons (PLBs):

The NSW SES Bush Search and Rescue Unit recommends that participant teams carry a Personal Locator Beacon (PLB). Prior to NavShield you should login to the AMSA website: www.operations.amsa.gov.au/STS/STS/Login

Please update the “My Trips” area of your beacon registration with the following passage:

*I am participating in a NSW SES Bush Search and Rescue Unit exercise ‘Navshield’ which is being held in Tarlo River National Park NSW. The exercise starts at 0900EST Saturday 26 June 2021 and concludes at 1200EST Sunday 27 June 2021. The Base site for this exercise is located at **Lat / Long:** -34.557 149.917. There is limited mobile phone coverage in the exercise area.*

The following emergency contact numbers for the event can be used prior to my listed contacts:

- Mobile phone: 0448 093 524
- Sat phone: 0147 181 729

Please remember to delete this passage after Navshield.



REGISTRATION PROCEDURE

Registration will be open on Friday night from 1800 until 2200, and then again from 0630 on Saturday morning. Please register as early as possible. Those planning to arrive on Saturday morning should factor in the possibility of delays due to inclement weather.

All participants MUST read and sign the NSW SES Navshield RISK WARNING, WAIVER AND INDEMNITY Deed Poll.

A waiver form is included at the end of this document. It is easiest if you complete it before the event and hand it in at the registration desk, but at the latest the completed waiver must be returned to the registration desk by 0800 on Saturday morning.

Participants that have not signed the NSW SES Navshield RISK WARNING, WAIVER, AND INDEMNITY Deed Poll will not be allowed to start the event. Your team will not be issued your SI stick until you submit all your waiver forms.

Steps to follow:

- **TEAM LEADER** approaches the registration desk when you arrive at Navshield.
- **TEAM LEADER** hands over the signed and witnessed Deed Polls for all their team members to the Registration desk
- Remember to bring your team number; as it will speed up registration.
- Ensure that your team has been registered in the **correct entry division**.
- Pay any outstanding monies, and notify us of any changes to your team, or spelling corrections relating to your team members' names.
- Collect your registration package which contains:
 1. A NSW SES Navshield RISK WARNING, WAIVER, AND INDEMNITY Deed Poll for each team member (in case you have not completed it before arriving)
 2. A map for each team member
 3. Control descriptions and course setters notes
 4. Team intentions form
 5. A sheet with basic instructions on how to understand a grid reference
 6. Meal tickets
 7. Field ration packs, if ordered
- Take your maps and plot the checkpoints onto them.
- We recommend you plan 1 hour to mark up your maps and work out your route.
- Return your intentions form to the registration desk before you leave base. You will get 10 points for doing this!



EVENT TIMETABLE

Friday	12:00	Participants may start to arrive
	18:00	Registration opens
	18:00	.... Dinner available at catering truck
	20:00	Registration closes
	20:00	.... Dinner closes
	23:00	Check-In marshals are stood down
Saturday	06:00	.... Breakfast available at catering truck
	06:30	Check-In marshals on duty
	06:30	Registration re-opens
	08:00	.... Breakfast closed
	08:00	Risk warning and risk waiver forms MUST be returned
	08:30	Assemble at the briefing area
	08:40	Final briefing for all participants
	09:00	Navshield STARTS
	18:00	One day event FINISHES
	18:00	.... Dinner available at catering truck
	19:00	Presentation of awards for the one day event
	19:45	One day event presentations complete
	20:30	.... Dinner closed
Sunday	07:00	.... Breakfast available at catering truck
	09:00	.... Breakfast closed
	12:00	Two day event FINISHES.
	12:00	.... Lunch available at catering truck
	13:00	Presentation of awards for the two day event.
	13:30	Two day presentations complete
	14:00	.... Lunch closed
	16:00	All participants to depart.



NAVSHIELD RULES

Minimum Equipment Rules:

The safety of all participants is taken very seriously during the event. Navshield is a winter activity and it can be extremely cold. Therefore the minimum equipment is mandatory, and it must be carried for the duration of the event.

Each participant must carry all of the personal gear listed below. Teams must also carry all of the team gear listed below.

During the event *Bushrangers* will patrol the course and conduct random inspections of participant equipment to ensure that teams are complying with the event rules. Penalties may apply to breaches of the event rules, including a failure to carry the minimum mandatory equipment mentioned below.

Please keep your pack weights to a minimum – a recommended packing list is here:

[<LINK>](#)

Navshield will be more enjoyable, and you will minimise the risk of personal injury, if you have a suitable pack weight for the activity.

We also recommend suitable PPE such as eye protection, gloves, and gaiters.

Two Day Event:

Minimum Mandatory Equipment (Two Day Event)

Personal Gear	Team Gear
<ol style="list-style-type: none">1. Wet weather jacket (high quality outer layer).2. Cold weather clothing: Inner layer consisting of thermal top and underwear, mid-layer consisting of a warm, dry, jacket (fleece or wool), warm head wear.3. Compass.4. Whistle.5. Fire starting equipment for emergency use (matches, lighter, flint striker, etc)6. Torch.7. Pen or pencil.8. Emergency thermal ("space") blanket.9. Sleeping bag of suitable winter standard; rated for at least -5°C (comfort) or 3-4 season rating.10. Food for the duration of the event.11. Minimum two litre (2L) water bottle (must be full at start of event).	<ol style="list-style-type: none">1. Tent or shelter (minimum tent fly).2. Stove and cooking equipment. (flameless heater in ration packs is acceptable)3. Two map sets covering the entire event course (Each team member is provided one map set during the event registration).4. Adequate first aid kit (including 2 x snake bite compression bandages).



One Day Event:

Minimum Mandatory Equipment (One Day Event):

Personal Gear	Team Gear
<ol style="list-style-type: none">1. Wet weather jacket (high quality outer layer).2. Cold weather clothing: inner layer consisting of thermal top and underwear, mid-layer consisting of a warm, dry, jacket (fleece or wool), warm head wear.3. Compass.4. Whistle.5. Torch.6. Pen or pencil.7. Food for the duration of the event.8. Minimum two litre (2L) water bottle (must be full at start of event).	<ol style="list-style-type: none">1. Two map sets covering the entire event course (Each team member is provided one map set during the event registration).2. Adequate first aid kit (including 2 x snake bite compression bandages).

The *Bushrangers* will randomly stop teams that they encounter on the course and confirm they have the minimum mandatory equipment.

The penalties for not adhering to the event rules include:

1. **pen / pencil** (all team members) – 5% reduction in team score.
2. **whistle** (all team members) – 5% reduction in team score.
3. **torch** (all team members) – 10% reduction in team score.
4. **compass** (all team members) – 15% reduction in team score.
5. **fuel stove or heating pouch** (2 day teams only / 1 per team) – 15% reduction in team score.
6. **Emergency thermal “space” blanket** (all team members) – 15% reduction in team score.
7. **sleeping bag** (2 day all teams only / all team members) – 15% reduction in team score.
8. **first aid kit** (minimum 1 x adequate first aid kit per team) – 20% reduction in team score.
9. **wet weather jacket** (all team members) – 20% reduction in team score.
10. **2 litre water bottle**, or equivalent (all team members) – 25% reduction in team score.
11. **compass** (team without a compass) – 50% reduction in team score.



General Rules:

The primary objective is to navigate using only map and compass to as many checkpoints as possible during the time available. Team points are scored for each checkpoint that you locate. However, the checkpoints are scored differently depending upon difficulty. So good route planning is important. The team with the most points in each division at the end of the event will be awarded the winning trophy in that division.

Competition Rules:

Checkpoints and Scoring:

1. Before the event begins participants will be informed of the location of the checkpoints by 8 figure grid references.
2. This information is provided to you, along with unmarked maps of the course, when you arrive at Navshield and visit the registration tent.
3. It is your team's responsibility to plot the checkpoints onto your map(s).
4. At registration all teams will be given a "**Route Intentions**" sheet and a SportIdent stick. This stick will record your visit to checkpoints (see 1.9).
5. The **only** navigational aids allowed are magnetic compasses, watches (with time functions only), pace counters and the official event map as supplied by the organisers.
6. Radios are permitted (for communication only). Radio based tracking and GPS functions are not permitted.
7. Mobile phones are permitted. The use of mobile phone based navigation aids during the event is not permitted.
8. GPS, altimeters, electronic compasses, non-official maps and other navigational aids are not permitted.
9. Teams record a visit to a checkpoint, or radio checkpoint by punching their stick with the hole in the control box at the checkpoint.
10. Each checkpoint and radio checkpoint will have a points value.
11. To score a checkpoint all members of your team must pass within 20 metres of the checkpoint and stick of the team must be punched.
12. Teams can score normal checkpoints once only.
13. All teams in the **one day** event must visit a radio checkpoint at least once during the event.
14. All teams in the **two day** event must visit a radio checkpoint at least once on both Saturday and Sunday.
15. Two day teams can use base as a radio checkpoint only between 06:00 and 09:00 Sunday. It scores no points, but the team will avoid the penalty for not visiting a radio check point (see rule 1.17) if no other radio check point is visited on Sunday.
16. Two day teams can score radio checkpoints twice by visiting them on Saturday and Sunday.
17. Any team not reporting to a radio checkpoint each day will incur a penalty equivalent to 25% of the team's score.
18. Points will be deducted for every minute, or part thereof, that a team is overdue after the event finish time. The points value of this penalty will be announced at the start of the event.
19. Any team more than 1 hour late for the finish of their event will be retired from the event and must immediately return to the nearest radio check point or base.
20. If multiple teams have the same point score at the end of the event then they will be ranked according to their finish times.



Banned Actions and Safety Breaches:

1. All members of a team must stay together (within voice contact, about 100m) at all times during the event.
2. A penalty of up to 50% of your team's score will be imposed if your team members are found not together.
3. The minimum personal and team gear must be with the team at all times. Leaving packs at a central point while looking for checkpoints is unacceptable. Not carrying the minimum personal and/or team gear at all times incurs a penalty of up to 50% of the team's score.
4. Participants in the rogaine divisions are exempt from the minimum equipment rules, but must instead carry the minimum equipment specified by the Australian Rogaining Association.
5. Once the event has commenced all support teams, and their vehicles, must remain at the base site until the event has finished.
6. Driving on the course is strictly prohibited for safety reasons.
7. The consumption of alcohol during the event (on the course) is prohibited. Consumption of modest amounts of alcohol at base is acceptable.
8. Any participant found to be intoxicated as a result of the consumption of alcohol or drugs during the event will be disqualified from the event.

Injuries:

1. If any member of a team is unable to continue, the other team members **must** provide assistance.
2. If possible, the team should attempt to make their way to the nearest radio checkpoint or back to base.
3. The rules committee will then advise if the rest of the team is able to continue Navshield in their entry division.
4. If any team finds an injured person they **must** assist if required.
5. Points can be awarded in lieu of time lost helping an injured person from another team. This does not include assisting injured members from the same team.

General Rules:

1. All teams are to be covered by their own insurances.
2. NSW SES Bush Search and Rescue Unit does not provide insurance to participants.
3. Participants must be willing to sign an acceptance of risk statement and a risk waiver before they start the event.
4. All team members are to meet the membership requirements of their organisation.
5. Teams are required to follow minimum impact bushwalking principles.
6. Specific information about the event location is provided in the information pack. You are expected to read this information and to familiarise yourself with the specific hazards which have been identified for the location.

Rules committee:

1. A rules committee will be formed prior to the start of the event.
2. The rules committee will be comprised of a minimum of three people.
3. The rules committee shall be comprised of the Safety Officer, Event Coordinator, and Course Setter, plus additional volunteers as required.
4. The rules committee will determine the order of precedence for every team in each division at the completion of both events. This will be based upon team points, finish times, and any penalties imposed.
5. The winners in each division of both the **one day** event, and the **two day** event, will be only announced after the rules committee has judged the final team scores.



6. The rules committee shall hear all complaints and claims which are lodged within 24 hours after the completion of NavShield.
7. A decision will be made on all complaints and claims that are lodged within the allotted time, and prior to publishing the final team scores.
8. Decisions made by the rules committee shall be considered final.

Conduct and Behaviour:

All teams, and those attending Navshield in a support capacity, are expected to behave in a responsible manner at all times whilst at Navshield. Please show respect and courtesy towards others at all times, and remember that you are representing your organisation. Volunteers, NPWS staff, local property owners, and members of the public, may be present at Navshield and should also be treated with respect.

There is an opportunity for your team to socialise on both the Friday night and Saturday night during Navshield. You are welcome to enjoy yourself at base whilst you are not participating in the event. In fact the organisers of the event would like to encourage you to network with people from other organisations during Navshield.

The consumption of alcoholic beverages is permitted during these times whilst you are not participating in the event. All alcohol must be BYO. However, the organisers of the event will not tolerate you drinking to excess, and putting yourself, your team members, and the community at risk.

Please keep noise to a minimum after 10pm.

The organisers may prohibit your participation in the event if you are:

- drunk and disorderly
- quarrelsome
- intoxicated
- violent
- using, or in possession of, prohibited drugs.



SPECIAL THANKS

Acknowledgements:

	<p>The 2021 Navshield is funded by NSW State Emergency Service</p>
<p>WICEN NSW Communications</p> 	<p>WICEN NSW assists with the communications network for Navshield</p>
 <p>Office of Environment & Heritage NSW National Parks & Wildlife Service</p> 	<p>NSW National Parks and Wildlife Service (NPWS) is part of the NSW Office of Environment and Heritage. NPWS gave consent for us to use Tarlo River National Park</p>
	<p>St John Scout Division and Coastal Combined Division for providing first aid services at base</p>
 <p>NSW Ambulance</p>	<p>NSW Ambulance Special Operations Team (SOT) for providing a response team for the event</p>



COVID-19 Check-In Form

PRINT THIS PAGE OUT AND FILL IT IN – YOU MUST HAND IT IN AT CHECK-IN!

Every vehicle arriving at Navshield must complete this form and hand it to the Marshall at the Check-In area. If no Marshall is present leave the completed form at the Check-In area in the red box. Do not email this to us before the event, it must be handed in at the event.

Vehicle Number Plate

Unit/Group/Organisation of vehicle

Circle type of vehicle:

Motorbike – 2WD car – 4WD car or ute – minibus – truck – bus – other (describe it)

Time and day vehicle arrived at Navshield Friday / Saturday / Sunday – Time:

People in vehicle:

Full Name (Christian name and Surname)	Phone Number

(Continue on back if required)

Deed Poll

Date June 2021

To: **NSW State Emergency Service** (ABN 88 712 649 015) of 93-99 Burelli Street Wollongong, NSW 2500 ("**SES**")

From: Name:..... Address:.....
.....
Phone:..... Email:.....@
.....

("Participant")

Event: The Australian Emergency Services Navigation Shield ("Navshield") 2021.

Member: Is the Participant an employee of the NSW State Emergency Service ("**Member**") Y/N

This deed is executed as a deed poll and is binding on the Participant.

TERMS AND CONDITIONS

PART A

(This Part A applies to the extent that the Participant is not a Member.)

1 Participant's Acknowledgements

The Participant acknowledges, understands and agrees that:

- 1.1 participating in the Event:
 - (a) is a recreational activity (as that term is defined in section 5K of the *Civil Liability Act 2002* (NSW) ("**CLA**");
 - (b) is dangerous, and may involve the risks identified in clause 1.2 below, and other inherent or obvious risks and hazards; and
 - (c) may expose the Participant to accidents, injury or even death notwithstanding the exercise of due care and skill by SES;
- 1.2 SES has warned the Participant of the risks involved in participating in the Event, which may include (without limitation):
 - (a) the failure or unsuitability of facilities or equipment at the Event to ensure the Participant's safety;
 - (b) other participants in the Event acting dangerously, recklessly or with lack of care or skill;
 - (c) dangerous conditions at the location(s) of the Event including changing weather conditions, unsafe ground conditions, bushfires and presence of wildlife;
 - (d) injuries, conditions or trauma, including an aggravation, acceleration or recurrence of the same: musculoskeletal injuries; back injuries; muscle and connective tissue injuries; internal injuries; cardiovascular compromise; and heat exhaustion or hypothermia.
- 1.3 This Deed Poll represents a "risk warning" for the purposes of Section 5M of the CLA;

2 Release, Waiver and Indemnity

The Participant acknowledges and agrees that:

- 2.1 for the purposes of Section 5N(3) of the CLA, the Participant engages in the Event at its own risk;
- 2.2 to the maximum extent permitted by law, it waives and releases SES, its directors, officers, employees and agents ("**Released Parties**") from any claims or liability for loss that:
 - (a) arises from or incidental to its participation in the Event, howsoever caused, including whether by:
 - (i) the negligence (excluding gross negligence), breach of contract or breach of statute or statutory duty of any of the Released Parties in relation to the Event; or
 - (ii) the realisation of any of the risks set out in clause 1.2; and
 - (b) results in any of the following:
 - (i) death, injury, loss or damage suffered by the Participant or anyone participating in the Event with the Participant; and/or
 - (ii) damage to or destruction, theft or unauthorised delivery up of any property, equipment, clothing or other personal items owned or in the care or custody of the Participant;

- 2.3 for the avoidance of doubt, this release and waiver extends to any indirect or consequential loss, including but not limited to loss of income or any other form of economic loss, suffered by the Participant; and
- 2.4 it will indemnify SES in respect of all actions, suits, claims, demands, costs and other liabilities which the Participant may have in relation to those matters referred to in clause 2.3 or that otherwise arise from or are incidental to its participation in the Event.
-

PART B

(This Part B applies to all Participants (whether a Member or not)

3 OTHER ACKNOWLEDGEMENTS

The Participant acknowledges and agrees that:

- 3.1 it will comply with:
- (a) the Navshield Rules available at <https://www.bsar.org.au/navshield-rules/>; and
 - (b) all directions issued by or on behalf of SES, including taking part in any briefing prior the Event and wearing any required safety equipment;
 - (c) if they are under the age of 18 years, they will remain under the care and supervision of their parent or guardian at all times;
- 3.2 SES can refuse to allow the Participant to participate in the Event in SES's absolute discretion (including if SES determine that the Participant is unfit to safely participate in any aspect of the Event);
- 3.3 the Participant consents to SES using its name, likeness, image and/or voice (including photograph, film or other recording) in any media for an unlimited period without remuneration for the purpose of promoting the Event or future NavShield or SES events, and products;
- 3.4 this Deed Poll shall be governed by the laws of New South Wales and the Commonwealth; and
- 3.5 If any part of provision of this Deed Poll is determined by a Court to be invalid or unenforceable all other parts and provisions shall still be given full legal force and effect.
-

PART C

(This Part C applies to the parent or legal guardian of any Participant (whether a Member or not) under the age of 18 years.)

I _____ being the parent/legal guardian of the above named Participant(s) hereby consent to their participation in the Event and agree to abide by the NavShield Rules referred to in clause 3.1(a) above. I confirm that I have read and understood and explained this waiver to the Participant(s) prior to signing it and agree that this Deed Poll will be binding on my (and their) heirs, next of kin, executors and administrators.

Executed as a Deed Poll in favour of SES

Signed sealed and delivered

by:

in the presence of:

Signature of witness/parent/guardian

Signature

Name of witness/parent/guardian (print)