



Bid Form

Women's World Gliding Championships 2019 ***Gliding Federation of Australia***

All the information sought in this bid document must be completed prior to its submission. Details, such as a diagram of the airfield, may be included as an Annex. When completed an electronic copy of this form must be sent to the IGC Bid Specialist (rbradley@telkomsa.net) before the closing deadline of September 30 of the year prior to the presentation of the Bid to the IGC Plenary. When the information on this form has been checked and amended as necessary, the IGC Bid Specialist will forward it to the IGC Secretary.

Applicant:

The Gliding Federation of Australia
Date of Application: 20th September 2015

Organising Gliding Club or other organisation:

- **World Glide Pty Ltd**
- **The Gliding Federation of Australia**
- **Lake Keepit Soaring Club**
234 Keepit Dam Road
Lake Keepit
NSW 2340. Australia

Name and address of National Aero Club:

Australian Sport Aviation Confederation
PO Box 3044
Batehaven, NSW 2536. Australia

Proposed Competition Director:

Mandy Temple (To Be Confirmed)
Australian Team Captain at numerous World Championships

Proposed Organisation of the event:

- **2016, following acceptance of the bid by IGC, establish national organising committee and commence sponsorship/government funding applications.**
- **2017 Bid for a series of national and state events to build the experience of the organising team**
- **Conduct a practice championship in conjunctions with Australian national championships in November 2018**

Contact person (for the applicant):

Name: Terry Cubley
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Email address: terrycubley@bigpond.com
Mobile Number: +61 4 0808 5988

1. Event and Year

1.1 Name of Competition

FAI Women's World Gliding Championships, comprising Club Class, Standard Class, 18m class (or 15m class)

1.2 Year of event.

2019

2. Site

2.1 Name of the airfield

2.1.1 Lake Keepit (LK)

Co-ordinates: S 30.889693° East 150.527700°.



2.1.2 Direction and distance to nearest town, population of this town

LK is approximately 45km from Tamworth (pop. 50,000), being the closest regional transport hub, 30km from Gunnedah (pop. 8000) and 25km from Manilla (pop. 2000). Lake Keepit is located approximately 5 hours drive equidistant between Sydney and Brisbane.

2.1.3 Experience of airfield staff in organising championships

The local club has run numerous National championships and Regional championships with entries of 70+ and also Grand Prix qualifiers. The Organising committee will include people with experience of running Narromine 2015 and Benalla 2017

2.2 Proposed period for the event

2.2.1 Competition Dates:

Tue 26 November to Saturday 7th December 2019. Practice period during the week prior.

2.2.2 Alternate dates for competition
Tuesday 19th February to Saturday 2nd March 2019

2.3. **Airfield operating data** (*provide details for the following*)

2.3.1 Surface of airfield, number and directions of runways (provide diagram and photograph)

- **The Club's site covers 135 hectares on the shores of Lake Keepit.**
- **Lake Keepit has four regular runways. Our main runway 14/32 being over 1700m long and 150m wide is used for launching on all but the rarest of days. These runways have sealed sections to facilitate self- launching or heavy gliders. We have 3 shorter cross runways at the 32 end which we use in higher wind conditions or for alternative landing options during busy periods. Two short strips are available at the 14 end but are rarely used. Further, 2 emergency strips are available at both ends of the airfield.**



2.3.2 Number of towplanes that will be employed to launch all classes
Sufficient towplanes to ensure 1 towplane for 7 -8 gliders.

2.3.3 Meteorological facilities that will be provided
Proven meteorological models will be used. Local information and data is available from Tamworth – a central airport hub.

2.3.4 Parking facilities for gliders
Good glider parking is available within the central precinct, with piped water ballast to each aircraft.

2.3.5 Repair facilities for gliders
Lake Keepit has an established onsite maintenance facility. It has a full workshop and spray booth and an engineer dedicated to first class service. This facility, operated by *Keepit Glider Tech*, will be available for any urgent

repairs during the competition. In addition, Tamworth is the maintenance base for Qantas Link and BAE Systems and as a consequence has a population of experienced aircraft maintenance persons.

2.3.6 Repair facilities for radios and instruments
Tamworth has commercial avionics repair workshops.

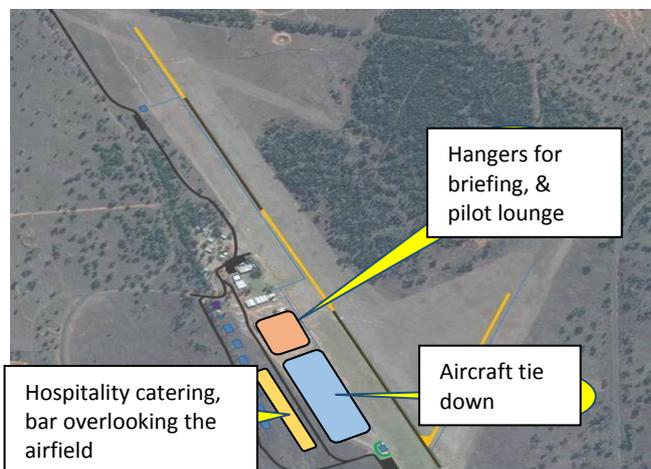
2.3.7 Oxygen requirements and supply facilities, if required
Oxygen filling facilities will be provided, and will be required.

2.3.7 What plans do you have to implement the FAI Environmental Code of Conduct during your event?
Lake Keepit is located within a State park which is run by the state trust and has specific sustainability requirements which will be complied with.

2.4 Airfield Infrastructure *(provide descriptions for the following)*

- 2.4.1 Briefing Room
- 2.4.2 Common Room(s) for the competitors
- 2.4.3 Meeting Room for the Chief Steward and Steward
- 2.4.4 Meeting Room for the International Jury
- 2.4.5 Press Centre

There are sufficient facilities within the airfield to accommodate all requested functions. Any additional building requirements will be provided through portable offices.



2.4.6 Communication and Wi-Fi capability
Good WiFi exists now and will be improved with improvements in technology.

2.4.7 Insurance availability for gliders
We have a number of insurance brokers. Teams will be given contact with insurance brokers if required.

2.4.8 Emergency (including fire)
A safety management plan and emergency response plan already exists and will be updated. We will have a dedicated safety officer.

2.4.9 Medical and First Aid

Medical support will be provided on site and facilities are available in nearby towns.

3. Accommodation and food for competitors *(provide details of the following)*

3.1 Accommodation facilities available in the local area

3.2 Camping facilities at the airfield

3.3 Catering for competitors at the airfield

- **Within a 5 km radius of the airfield there is air- conditioned motel, chalet and dormitory accommodation with more than 400 beds. In addition there are serviced camp sites for another 500 people.**
- **The Club has motel style accommodation for 30 people and serviced camp sites for another 40.**
- **The NSW Sport and Recreation Centre, 7.5kms by road (7 minutes from the aircraft park) to the north west of the Club, has air conditioned motel, lodge and dormitory accommodation for 270 persons. The Centre also has a professional catering facility that seats 170 persons at a sitting and good recreational facilities including a multi-purpose hall, bar services, a 25m swimming pool and parkland with BBQ's along the Lakes edge**
- **There is a lot of camping, hotel and motel accommodation in neaby Manilla and Gunnedah.**
- **General catering and bar facilities on the airfield will be provided in a marquee area overlooking the glider tie down area. This will include full bar facilities, light meals and snacks for teams and the general public.**
- **Dedicated catering for sit down meals will be provided within an existing hangar adjacent to the glider tie down area, and within 150m of the marquee viewing area. This hangar will be fitted out to provide a fit-for-purpose catering facility**

4. Competition area *(provide descriptions of the following)*

4.1 Topography in the contest area

Lake Keepit sits in an enviable location for soaring that provides access to highly varied terrain and soaring conditions.

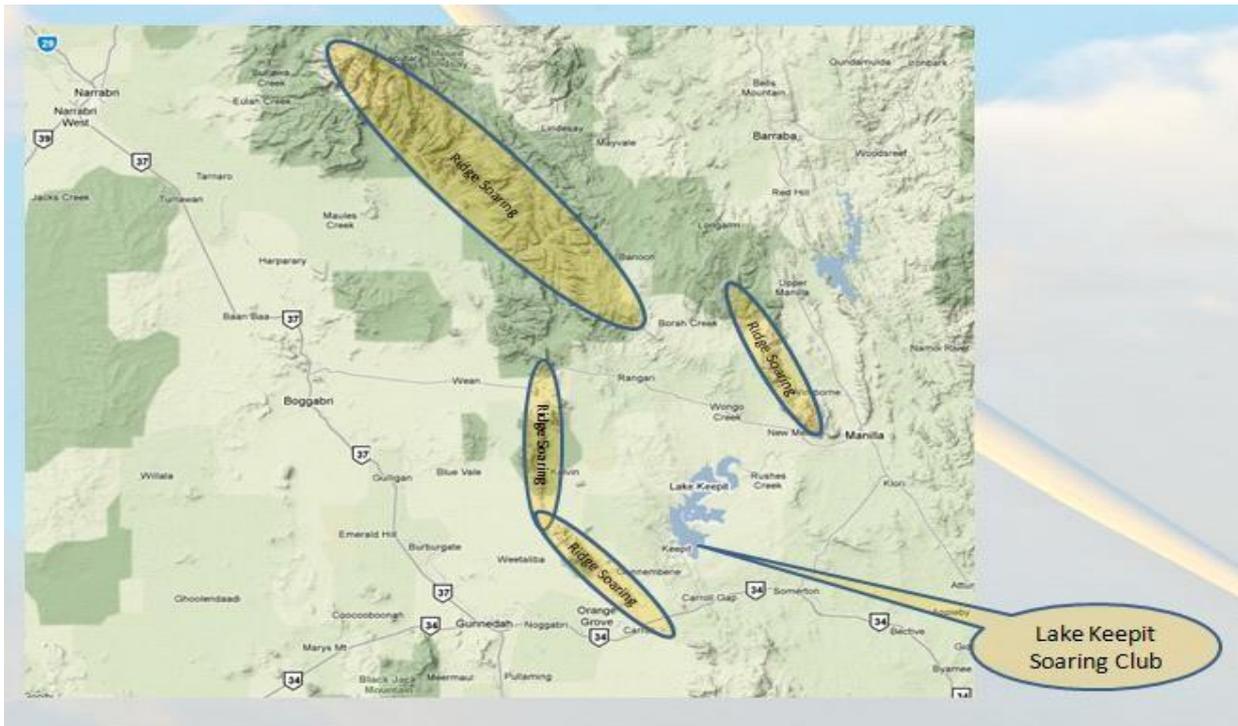


Figure 2 – This map shows the local geographic features close to Lake Keepit which provide a variety of terrain.

Located on the eastern side of Australia, Lake Keepit offers thermalling to the west across extensive flat lands, to the north over the spectacular range of hills known as the Mt Kaputar National Park and to the south over the magnificent cropping country of the Liverpool Plains which are buttressed by the Liverpool Range. To the north east is the high New England Plateau with convergence along its eastern fringe.

Even our local terrain is interesting with the Club being surrounded by long lines of low hills offering ridge soaring opportunities.

4.2 A comprehensive survey of meteorological conditions

Lake Keepit is well placed in the Bureau of Meteorology Australia weather collection system. We are fortunate that the BOM has recently upgraded their capability in our local area by installing a new Doppler radar unit at Gunnedah, 30kms to our west. This provides excellent weather information on a timely basis.

Prevailing weather systems in Australia mean that in August, as the landmass begins to heat up, Queensland offers the best gliding conditions. However as the season progresses the best conditions tend to move south. At Lake Keepit this means that November is an extremely good month with cloud bases of 10,000ft common.

Lake Keepit is situated to the west of the Great Dividing Range which shields it from most of the sea breeze influence. Likewise, the higher dew points at Lake Keepit compared with further west mean that cumulus development is regular. There are very few days in the November to March period when thermals would

not be marked by cumulus clouds. Our most reliable periods for good weather are November running into early December and later in February as the air becomes drier.

The following graph showing mean monthly temperatures and number of days with more than 10mm rain at Gunnedah illustrates the gliding friendly climate of Lake Keepit.

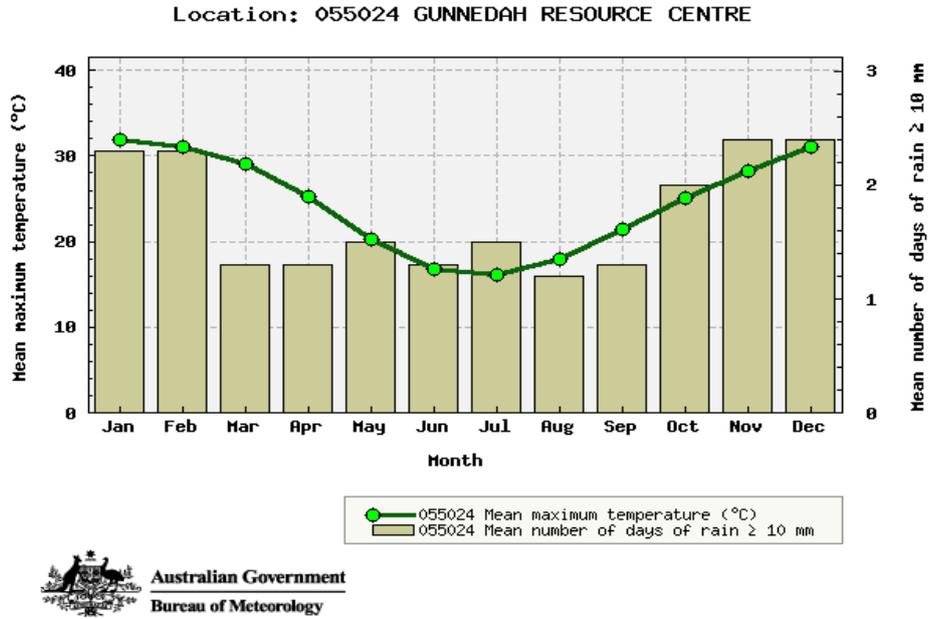


Figure 4 – Average monthly temp and number of days per month with greater than 10mm of rain

4.3 Airspace restrictions in the contest area

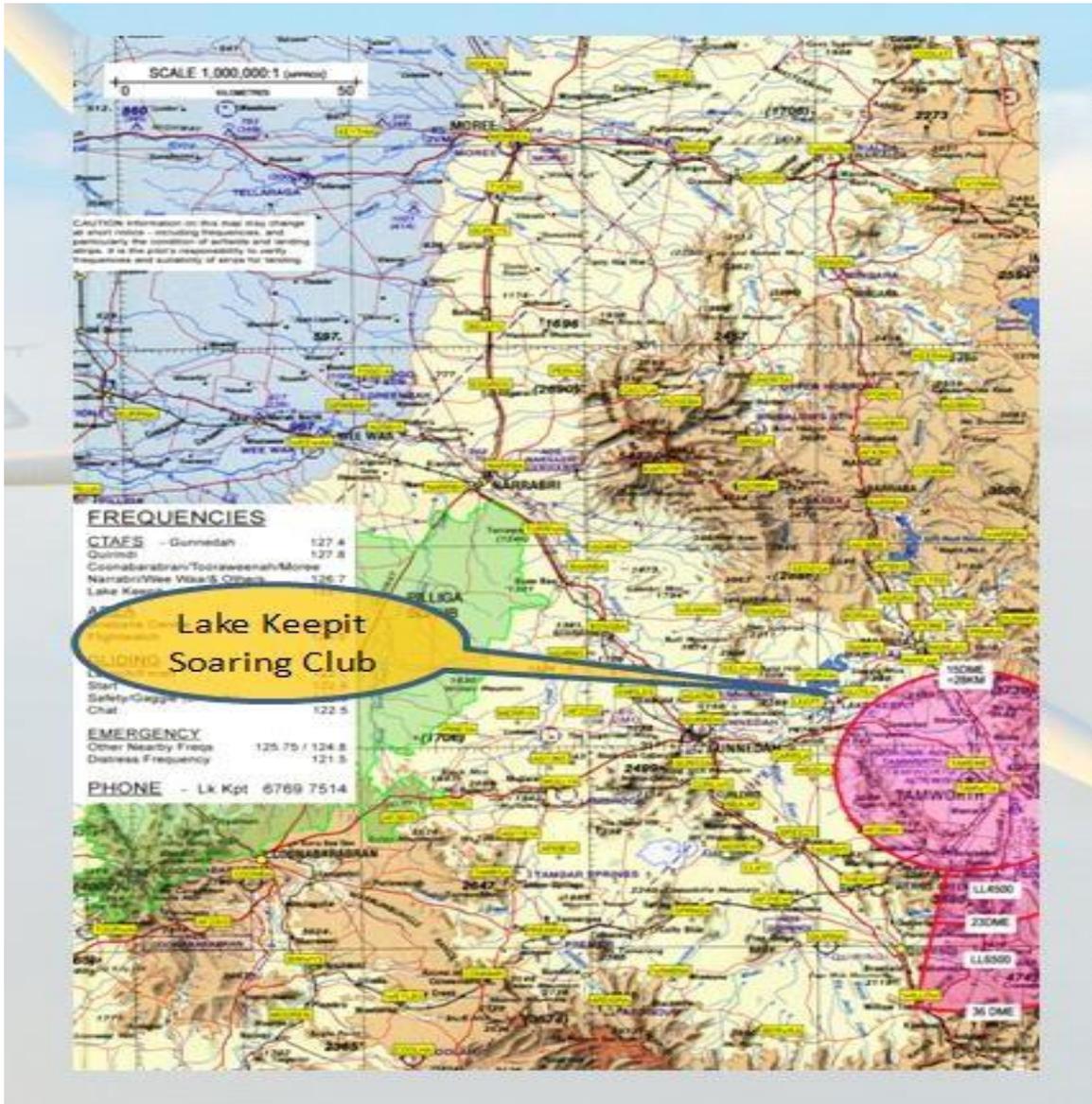


Figure 3 – This map shows the Tamworth control zone to the south East of Lake Keepit.

The Club enjoys a total freedom of operations from its own airfield which is dedicated to gliding and open airspace, limited only to the south east by Tamworth. There is a 15 nautical mile airspace restriction around Tamworth; however we have unrestricted airspace in all other directions.

We have advice from Air Services and BAE Systems, who operate the RAAF training facility, that they are agreeable to opening sections of the Tamworth control zone for World Championship tasks. This creates the attractive possibility of setting tasks along the Melville Range, to the south east of the Club. We also have very little light aircraft and commuter traffic in the competition area

Amilitary training area to the SW of Lake Keepit is restricted to 9500 ft but tasks are not commonly set in this area.

4.4 Typical tasks to be expected

The varied terrain and reliable weather provides opportunities for a range of tasks. Typical tasks flown in recent competitions range from 250km to 600km, both Racing tasks and AAT

4.5 Road and traffic conditions

Roads are excellent with only a small number of unsealed roads. Traffic is minimal

5. Rules (*Note: The Championships must be conducted in accordance with Annex A*)

5.1 Indicate the options intended to be used from Annex A for:

5.1.1	Starting procedures	Start Line
5.1.2	Tasks	Racing Task and AAT
5.1.3	Finish procedures	Finish Ring
5.1.4	Scoring	SeeYou 1000 point,

5.2 Indicate any particular conditions or possible restrictions that may be applied:

5.2.1 For pilots and crews

Pilots (and crew who wish to fly) must join the Gliding Federation of Australia with a short term membership costing \$100 (60 Euro). International glider licences and medical are recognised in Australia.

5.2.2 For sailplane and equipment

Nil, provided they are suitably registered in their home country. Aircraft operating on an Experimental Certificate or Permit to Fly will be supported to have these gliders approved for flight.

5.3 Number of competitors:

5.3.1 State the maximum number of competitors that may be entered the competition

- **40 per class, 100 total.**
- **We anticipate 60-80 entries in line with recent women's championships and the Junior Worlds at nearby Narromine.**

5.3.1.1 Provide explanation for this number

- **Expereince with competitions of 80 gliders has proven the site as suitable for up to 100 entries considering launch, task setting and finish /landing procedures.**

5.3.2 Indicate how the classes will be separated for:

5.3.2.1 Starts

Seperate start lines will be used

5.3.2.2 On task

The 320 degree task area enables tasks to be set with no conflict.

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5.3.2.3 Finishing and landing

Finish directions will be aligned through appropriate control points with finish procedure to encourage direct landing.

6. Costs (Provide details of the following costs in Euros or USD. The Entry Fee and the Aero Tow Costs are considered as firm estimates that may only be changed in exceptional circumstances and then only with the consent of the Bureau or The Plenum.)

6.1 Entry fee

700 euro

6.1.1 Services included in the entry fee

Normal operational requirements of the competition excluding aerotows, oxygen, personal costs.

6.1.2 Cost of aero tows

55 euro to 600 metres

6.2 Price of car fuel per litre/gallon (*estimate*)

80-90 euro cents per litre

6.3 Rental cars

Competitors at the JWGC at Narromine were able to hire cars for 100 euro to 300 euro per week

6.4 Accommodation (*as appropriate for local facilities*)

6.4.1 Hotels

6.4.2 Apartments

6.4.3 Bed and Breakfast

6.4.4 Camping

- **Hotels and apartments cost 60-100 euro per night**
- **The Sport and Recreation centre costs approx 40-60 euro per night**
- **Camping costs approx 20 euro per night.**

Accommodation is one of our major strengths. Within a 5 km radius of the airfield there is air- conditioned motel, chalet and dormitory accommodation with more than 400 beds. In addition there are serviced camp sites for another 500 people.

The Club has motel style accommodation for 30 people and serviced camp sites for another 40.

The NSW Sport and Recreation Centre, 7.5kms by road (7 minutes from the aircraft park) to the north west of the Club, has air conditioned motel, lodge and dormitory accommodation for 270 persons. The Centre also has a professional catering facility that seats 170 persons at a sitting and good recreational facilities including a multi-purpose hall, bar services, a 25m swimming pool and parkland with BBQ's along the Lakes edge. Ideal for teams who wish to stay together.

Within the State Park, 3kms to the south of the Club, there are 136 beds in 28 self-contained air- conditioned lodges that include kitchenettes and hold

between 4 and 8 people. The Park has another 90 serviced camp sites with a capacity of 500 people and an unlimited number of bush (unserviced) camping sites. These camp sites are very attractive, being on the edge of the Lake.

Further afield there is much more accommodation. In Manilla (20 minutes), Gunnedah (30 minutes) and Tamworth (40 minutes) there is motel accommodation for more than 4,000 people.

6.5 Catering *(as appropriate for local facilities)*

- 6.5.1 Hotels
- 6.5.2 Restaurants
- 6.5.3 Airfield

Commercial catering will be provided on site and a range of restaurants and shops are available within the local towns.

Commercial Meals cost approx. 10-15 euro per person.

6.6 Provide an indicative example for the expected total costs during the contest period for a pilot with 2 crew members

Entry Fee		700	700
10 launches		550	550
Accommodation	Apartment: 14 nights @ 60 euro =	900 euro	
	Camping: 14 nights @10 euro		420 euro
Meals 3 people @ 20 euro X 14 days =		840 euro	840
Car hire & fuel @ 250 euro per week =		<u>500 euro</u>	<u>500</u>
		<u>3490 euro</u>	<u>2960 euro</u>

7. **Glider Hiring** *(provide information on the following)*

- 7.1 The availability of local gliders for hire
- 7.2 The costs of hire
- 7.3 Any restrictions on hire *(e.g. license requirements)*

There are many club class gliders and some Standard class gliders available for hire. There are also many 18m gliders in the region which will become available. 15m gliders are fewer in number hence our proposal to use 18m class instead of 15m class.

Club Class Gliders are typically 600euro per week but based on private negotiation with the owner. A number of swap deals are possible.

We estimate that 18m class gliders will be hired for 1000 euro per week but based on private negotiation with the owner.

Many teams for the Junior worlds brought gliders to Australia quite economically. We will ask pilots and clubs to make trailers available on request.

International licences are easily converted to an Australian Glider Pilots Certificate at no cost.

8. Glider Import *(provide information on the following)*

- 8.1 Ports or cities of entry
- 8.2 Customs requirements
- 8.3 Customs brokers
- 8.4 Estimated costs and fees, including cost of transport of containers

Major ports for Lake Keepit are Brisbane and Sydney.

Customs and quarantine checks are generally performed quickly provided that care is taken to ensure no dirt on the glider and other equipment. Teams are encouraged to allow one week for customs/quarantine clearance in case of unexpected delays.

We have two very experienced customs brokers and encourage teams to use one of these as they have the required knowledge to ensure an easy pathway.

Based on feedback from teams for JWGC2015, costs of importing gliders is approx. 3000-4000 euro per glider. Many teams hire/lend the gliders to friends and other pilots to cover the costs of the transport.

9. Training

- 8.1 Provide details of any proposed training opportunities for teams and individuals prior to the Championships.

Lake Keepit operates 7 days per week so there is unlimited opportunity for practice. There will be a number of competitions leading up to the WWGC2019 with entry available.