





**Preliminary Bid  
to host the**

**2<sup>nd</sup> FAI**

**World Air Navigation Race Championship**

**2019**

**PORTUGAL**

**6<sup>th</sup> to 14<sup>th</sup> September 2019**



## F.1. Preliminary Bid

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Type of competition:	<b>Air Navigation Race</b>
World or Continental:	<b>World Competition</b>
Year of the Event:	<b>2019</b>

**PORTUGAL**  
**6<sup>th</sup> to 14<sup>th</sup> September 2019**



# 1. ORGANIZATION

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**a) Name and address** of organization delegated by the NAC to organize the event:

**Aeroclube de Torres Vedras**

Aeródromo Municipal da Praia de Santa Cruz  
2560-470 Silveira- Portugal

E-mail: [actv@actv.pt](mailto:actv@actv.pt), [filipa.oliveira@actv.pt](mailto:filipa.oliveira@actv.pt)

Website: [www.actv.pt](http://www.actv.pt)

# 1. ORGANIZATION

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b) Experience in organizing the relevant type of competition:

- **2016 – WRFC Santa Cruz, Portugal**

b1) Portugal Experience on ANR:

- **2015-Dubai Word Air Games**
- **2017-Castellón World ANR (2 Teams)**
- **2017-Santa Cruz ANR Local Competition**

## 2. LOCATION

### **Santa Cruz Beach, Portugal**

Approx. 1 hour driving from Lisbon International Airport  
60km NW of Lisbon



November 2017



FAI GAC Meeting



# Santa Cruz Beach, Portugal

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From airfield, **Walking**  
distance:

- **10** minutes - Sea Beach
- **5** minutes - Hotel/ Town center



# Accommodation

Walking distance from the Airfield to the Hotel





# Accommodation

- Pousada Santa Cruz
- Hotel Santa Cruz
- Ô Hotels and Resorts - Hotel Golf Mar
- Hotel Praia Azul



### 3. Weather conditions

Stable wind conditions (prevailing North Wind)  
Average weather:

Month	Min. Temperature	Max. Temperature	Water Temperature	Rain Probability	Humidity
July	18°C 64°F	28°C 82°F	19°C 66°F	5%	65%
Aug	19°C 66°F	29°C 84°F	20°C 68°F	9%	66%
Sep	18°C 64°F	28°C 82°F	20°C 68°F	9%	65%



## 4. Proposed Dates

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### 2<sup>nd</sup> FAI World ANR Championship

Santa Cruz 6<sup>th</sup> to 14<sup>th</sup> September, 2019

6<sup>th</sup> to 8<sup>th</sup> **September:** Training Days

(Sun) 8<sup>th</sup> **September:** **Opening Ceremony**

9<sup>th</sup> to 12<sup>th</sup> **September:** Navigation Tests

(Fri) 13<sup>th</sup> **September:** Landings and Final Four  
Price Giving and Closing  
Ceremony

(Sat) 14<sup>th</sup> **September:** Departures

# 5. Airfield Operational Data

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## Santa Cruz Airfield – LPSC

- RWY 35-17 Asphalt-635x23 m
- RWY 35-17 Compact-1050x25 m
- Elevation 45 metres
- Stable Winds (N, NW)





# 5.1 Landing System

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- **Santa Cruz Airfield - LPSC**
- As tested on WRFC 2016 the German system will be used for the landing scoring
- A backup system will be also used





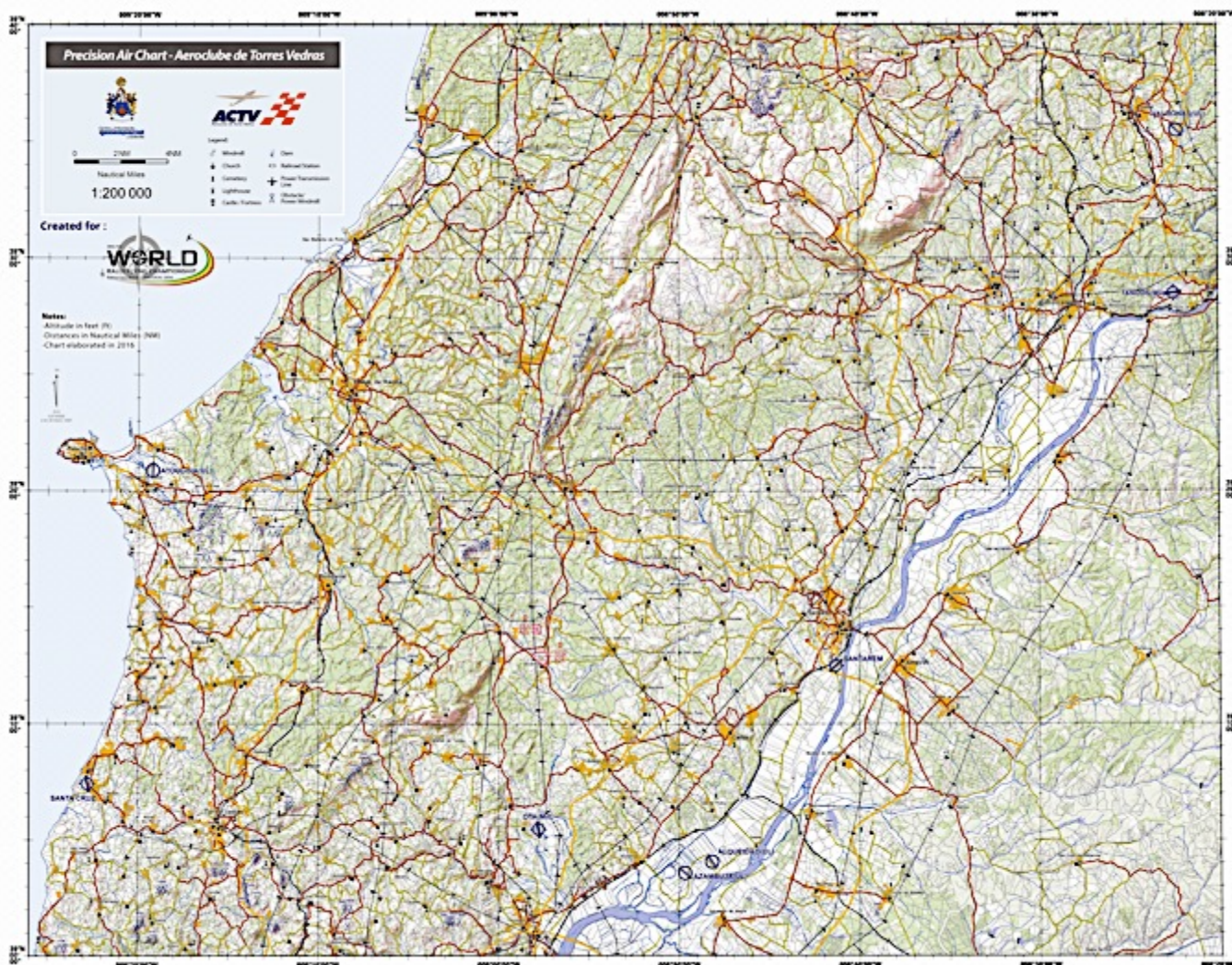
## 6. Navigation Data

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- Mainly flat area with a few hills in the vicinity of the airfield
- Dedicated **Precision Air Chart 1: 200 000** used for WRFC2016, created by Portuguese Military Institute.

# 6.1 Navigation Chart





## 6.2 Navigation Track/ Parcour

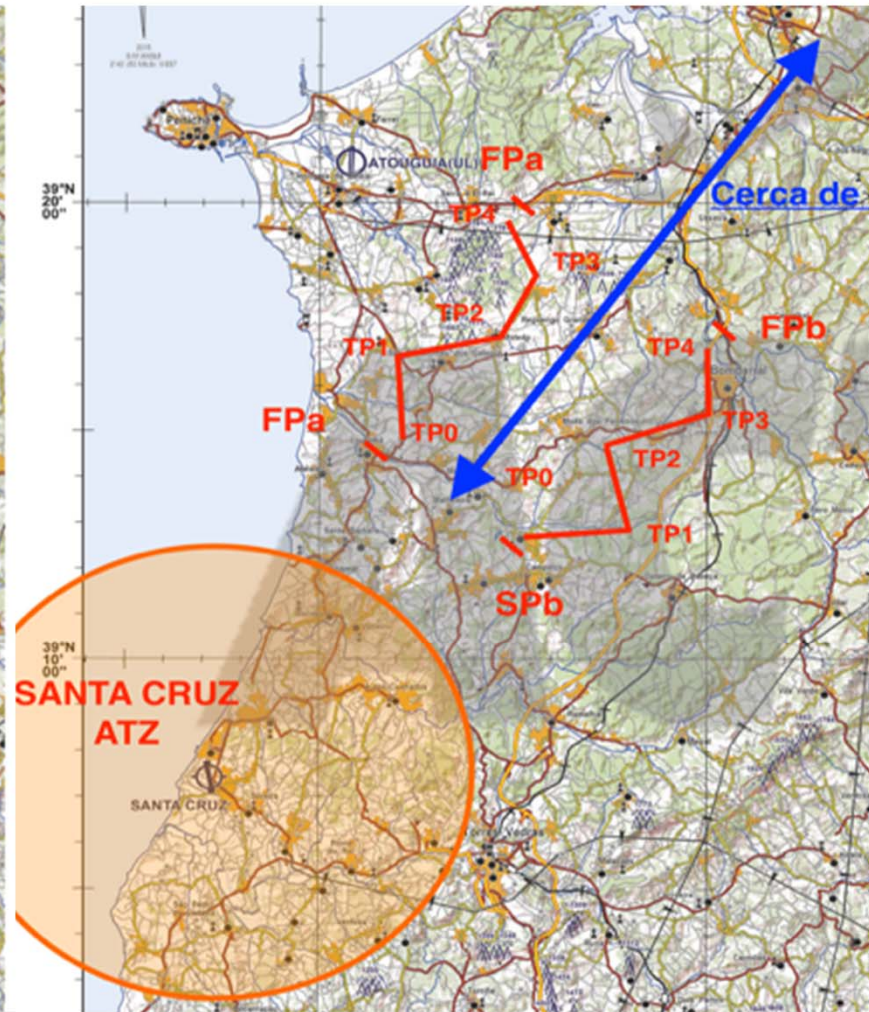
Competition: Santa cruz teste

Q-Round: final

Crew: 06 Gomes Filipe - Francisco Joao



November 2017



FAI GAC Meeting

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# 7. Airport Facilities



- 4 Offices, 2 Class rooms, Briefing rooms, Restaurant/Bar
- 2 hangars (approx. 25 A/C)
- Maintenance Organization on site - (EASA PART M-F/G) working every day for the competition and training





## 8. Airplane and Fuel

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- Fuel Price of Avgas100LL at November 2017- **2,20€/Lt\***
- Airplanes for rent - Cessna 150, 152, 172
- Average Price for rent:
  - Cessna 150/152 - **135€\***(Average price **Wet**)
  - Cessna 172 - **170€\***(Average price **Wet**)

\* Prices subject to change



# 9. Entry Fees

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Estimate entry fee for each category:

In double room

- Crew members (for each competitor) **EUR 790**
  - For each additional team members **EUR 550**
  - For International Judge Max.2 per country **EUR 350**
  - Additional International Judge and Observers **EUR 550**
  - Supporters (non competitors) **EUR 550**
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- Prices subject to change depending on sponsorship

# 10. OFFICIALS

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We are pleased to thank the support and present as:

- COMPETITION DIRECTOR:

**Mr. João FRANCISCO, Portugal**

- INTERNATIONAL Chief JUDGE:

**Mr. Maurice DUCRET, Switzerland**

- PRESIDENT of the JURY:

**Mr. Heinrich SCHAWALDER, Switzerland**

# 10. OFFICIALS

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## Organization - Competition Officials:

- Route Planner:
  - T.B.A (to be announced)
- Scoring:
  - T.B.A (to be announced)
- Reserve International Chief Judge and Jury:
  - GAC agreement - T.B.A( to be announced)

# PRE-WANR

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## PROPOSAL for a Preliminary Event

### Training Camp

From 6<sup>th</sup> to 9<sup>th</sup> **September, 2018**

### Initial Workshop to Support New Teams







# THANK YOU FOR YOUR ATTENTION

We hope to welcome you in Santa Cruz, Portugal

QUESTIONS & ANSWERS