



2nd FAI ANR

WANR

CHAMPIONSHIP

WORLD AIR NAVIGATION RACE
SANTA CRUZ BEACH - PORTUGAL
2019





2nd FAI
WORLD AIR NAVIGATION RACE CHAMPIONSHIP
2019
PORTUGAL

5th to 14th September 2019



Final Bid

Type of competition: **Air Navigation Race**
World or Continental: **World Competition**
Year of the Event: **2019**

PORTUGAL
5th to 14th September 2019



1. ORGANIZATION

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, info@santacruzworldanr2019.com

Website: www.actv.pt / www.santacruzworldanr2019.com



www.santacruzworldanr2019.com

A screenshot of the WANR website homepage. The header features the WANR logo and navigation links: ABOUT US, INFO CENTER, CHAMPIONSHIP, DOCUMENTS, GALLERY, and CONTACT US. The main banner shows a green Cessna 400X aircraft flying over a blue sky with clouds. The banner includes the text 'SEPTEMBER 2019' and the WANR logo. At the bottom of the banner are logos for FAI, ACTV, and FP. Below the banner are three main content areas: 'Event News', 'What is the WANR?', and 'Flying challenges'.



1. ORGANIZATION

b) Experience in organizing the relevant type of competition:

- **2016 – WRFC Santa Cruz, Portugal**
- b1) Portugal Experience on ANR:
 - **2015-Dubai World 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



Santa Cruz Beach, Portugal

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:

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





4. Proposed Dates

2nd FAI World ANR Championship

Santa Cruz 5th to 14th September, 2019

- 5th to 7th **September:** Training Days
(Sun) 8th **September:** **Opening Ceremony**
9th to 12th **September:** Navigation Tests
(Fri) 13th **September:** Landings and Final Four
Price Giving and Closing
Ceremony
(Sat) 14th **September:** Departures

5. Airfield Operational Data

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

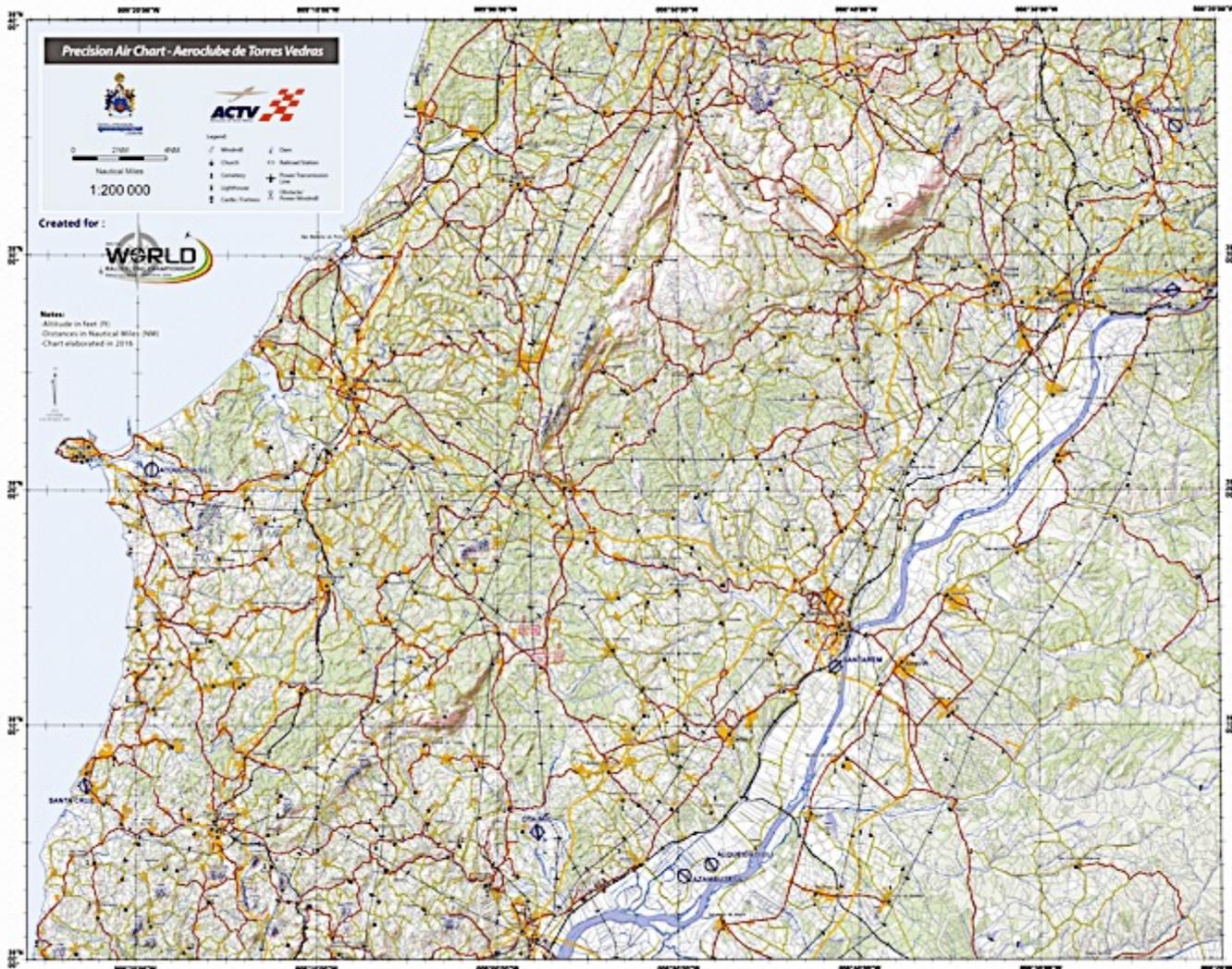
- **Santa Cruz Airfield - LPSC**
- As tested on WRFC 2016 the German system will be used for the landing scoring
- A backup system will be also used



6. Navigation Data

- 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 2018



FAI GAC Meeting

17

7. Airport Facilities

- 4 Offices, 3 Class Rooms, 2 Briefing Rooms, Restaurant
- 2 Hangars (approx. 25 A/C)
- Maintenance Organization on site - (EASA PART M-F/G)



8. Airplane and Fuel

- Fuel Price of Avgas100LL at November 2018- **2,20€/Lt***
- Airplanes for rent – Tecnam and Cessna 150, 152, 172
- Average Price for rent:
 - UL Tecnam P92 - **100€*** (Average price **Wet**)
 - Cessna 150/152 - **135€*** (Average price **Wet**)
 - Cessna 172 - **170€*** (Average price **Wet**)

* Prices subject to change

9. Entry Fees

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**

Extra Charge For single room

EUR 150

- Prices subject to change depending on sponsorship

10. OFFICIALS

We are pleased to thank the support and present as:

- COMPETITION DIRECTOR:
Mr. João FRANCISCO, Portugal
- COMPETITION DIRECTOR DEPUTY:
Mr. Jacques CARRIQUIRIBERRY, France
- INTERNATIONAL Chief JUDGE:
Mr. Maurice DUCRET, Switzerland
- PRESIDENT of the JURY:
Mr. Heinrich SCHAWALDER, Switzerland



10. OFFICIALS

Organization - Competition Officials:

- Scoring Manager:
 - **Armin Züger, Finland**
- Reserve International Chief Judge and Jury:
 - **Jesus Mas, Spain**

ANR NATIONAL COMPETITIONS

2 National/Open International Competitions

- March, 2019
- April, 2019

Initial Workshop to Support New Teams





THANK YOU FOR YOUR ATTENTION

We hope to welcome you in Santa Cruz, Portugal

QUESTIONS & ANSWERS