



# 20<sup>th</sup> FAI World Hang Gliding Championship

Valle de Bravo-México

February 28 - March 13, 2015

## **BIDDING BOOK**

## 1-ORGANAZERS

**Miguel Gutiérrez  
General Director**

**Mexico Hang Gliding Pioneer 1976  
Mexico Paragliding Pioneer 1988  
Participation in 8 F.A.I. World Hang Gliding Championships  
Participation in 2 F.A.I. World Paragliding Championships  
6 Place F.A.I World Hang Gliding Championships, Owens Valley 1983**

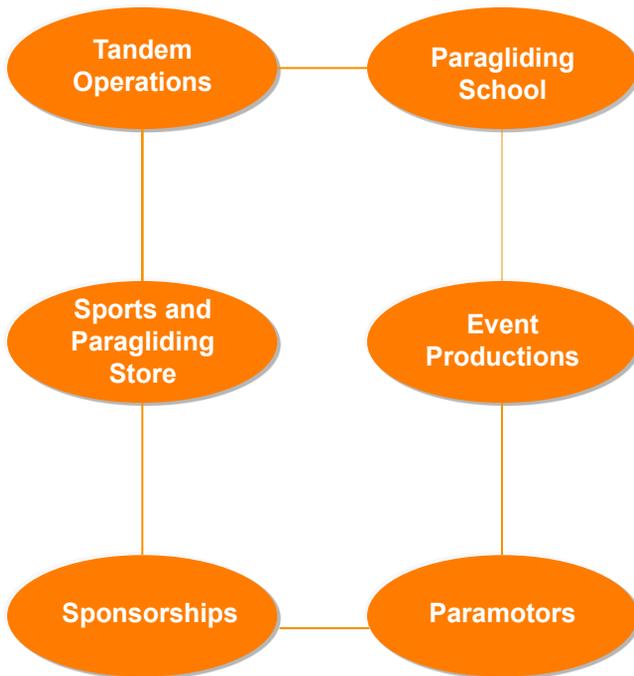
### **ALAS DEL HOMBRE**

One of the most valued issues is that 90% of the key officials, directors and coordinators are the same crew involved in the last 9 editions of Monarca Paragliding Open and the Pre and XI World Paragliding Championship events and World Cup Super Final 2011, which means a highest level of knowledge, coordination, area knowledge, management, problem solutions and team performance.

This team also, will be in charge of at least 150 more persons from Government of the State, including police, paramedics, plus another 25 persons contracted by the Organizer Comity.

## 1-ALAS DEL HOMBRE

This bussines is a family tradition since 1927 and the result of 37 years of experience in Hang Gliding and Paragliding activities, being the most important school and paragliding operation in Mexico, making around 2,500 tandem flights in Valle de Bravo. All the activities are made by 20 people team, working on the following areas:



[www.alas.com.mx](http://www.alas.com.mx)  
[www.alaventura.com.mx](http://www.alaventura.com.mx)  
[www.monarcaopen.com](http://www.monarcaopen.com)  
 Alas del Hombre facebook  
 Alas del Hombre Youtube

# 1-ALAS DEL HOMBRE ORGANIZER FACILITIES



Alas del Hombre shop, and office



Office



Sports store



Products for pilots



Meeting room



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1-FEDERAL **SUPPORTS**:

**ESTADOS UNIDOS MEXICANOS / UNITED STATES OF  
MÉXICO**

**Secretary of Tourism / Secretaría de Turismo (SECTUR)**

**Programa Pueblos Mágicos**

**Tourist Promotion Council / Consejo de Promoción  
Turística**

**Federación Mexicana Aeronáutica, A.C.**





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## 1-REGIONAL SUPPORTS

**GOVERNMENT OF THE STATE OF MEXICO / GOBIERNO  
DEL ESTADO DE MÉXICO**

**Secretary of Tourism of the State of Mexico.**

**Security Agency of the State of Mexico**

**Secretary of Health and Care of the State of Mexico.**

**Emergency Service from the State of Mexico SUEM**

**Culture Institute of the State of Mexico.**

**Direction of General Civil Protection of the State of Mexico.**

**Secretary of Education of the State of Mexico.**



GOBIERNO DEL  
ESTADO DE MÉXICO



EstadodeMéxico  
LA MARAVILLA DE TENERLO CERCA





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## 1-LOCAL **SUPPORTS**:

### VALLE DE BRAVO COUNTY

Direction of Economic Development

Tourism Sub-Direction - Tourist Police

Direction of Public Security

Red Cross and First Aids

Direction of Civil Protection of Valle de Bravo

Government Direction



## 2-EVENT

**Name:** 20th FAI World Hang Gliding Championship

**Location:** Valle de Bravo-Temascaltepec  
State of Mexico, México

**Dates:** February 28 - March 13, 2015

**Web site** [www.faihgworlwmex.com](http://www.faihgworlwmex.com)

**E-mail** [info@faihgworlwmex.com.mx](mailto:info@faihgworlwmex.com.mx)



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### 3-PROGRAM

DATE	ACTIVITY
6 June 2014	Registration Open
Saturday 28 February 2015	Registration and Opening Ceremony
Sunday 1 March 2015	Full Practice day
Monday 2 March 2015	First competition day
Thursday 12 March 2015	Last Competition day
Friday 13 March 2015	Closing Ceremony



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## 4-EVENT LOCATION

Name of the city:

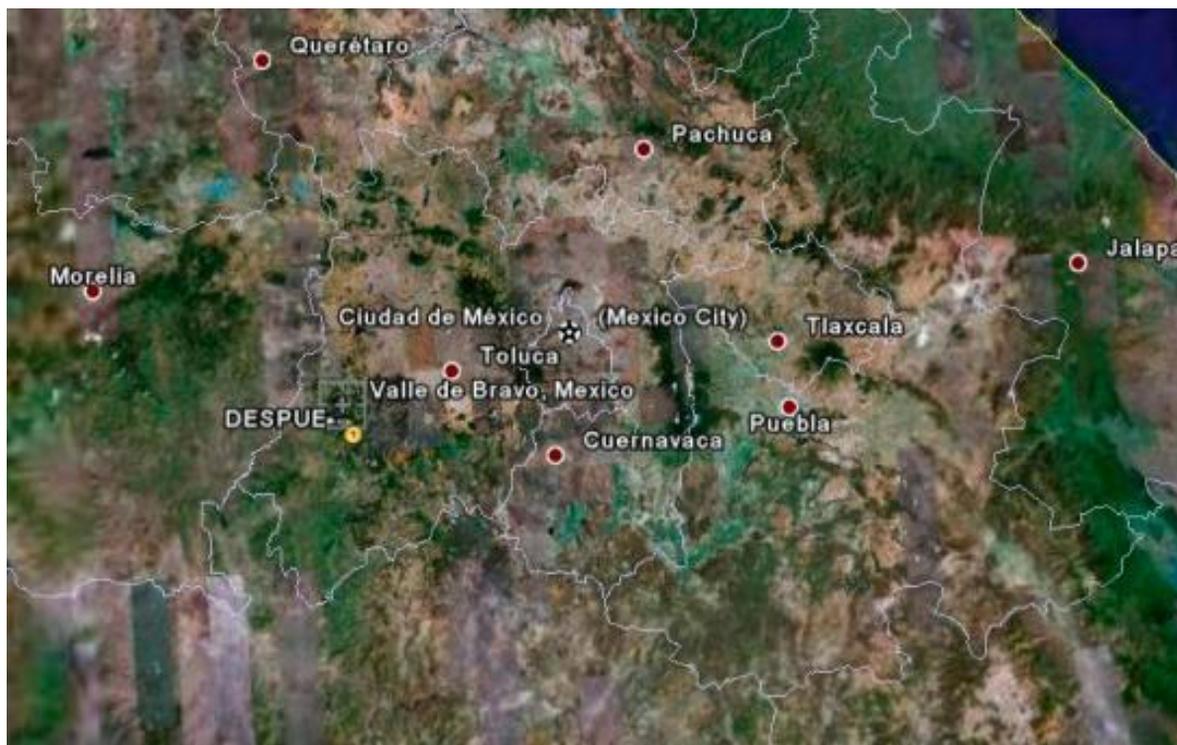
Valle de Bravo

Location:

State of Mexico

Distance from main cities:

161 km from Mexico City  
98 km from Toluca City





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## 4-EVENT LOCATION

**Location** Valle de Bravo is located 85 kilometers from the city of Toluca and 140 kilometers from Mexico City.

**Access** It can be accessed by (3) three routes, being the two main highways the followings:

**Route 1: Toll route:** 65km, the most direct and fast route. Before Toluca, in Lerma took toll route to Valle de Bravo-Zitacuaro-Guadalajara.

**Route 2: "Los Saucos":** free road, 82 kilometers. Out of Toluca, take route 13 to Temascaltepec, after San Francisco de Oxtotilpan town take the road to Valle de Bravo.

**Route 3: "Villa Victoria":** Free road, 96 kilometers, a longer route but with less curves in the road. Out of Toluca, take highway 15, to Zitacuaro and after the town of Villa Victoria (8 kilometers) you will find the road to Valle de Bravo.

**Route 4: "Amanalco":** State Free road No 1, 120 kilometers, a longer and winding route with lots of curves in the road. Out of Toluca, take highway 15, to Zitacuaro and after the town of Amanalco.

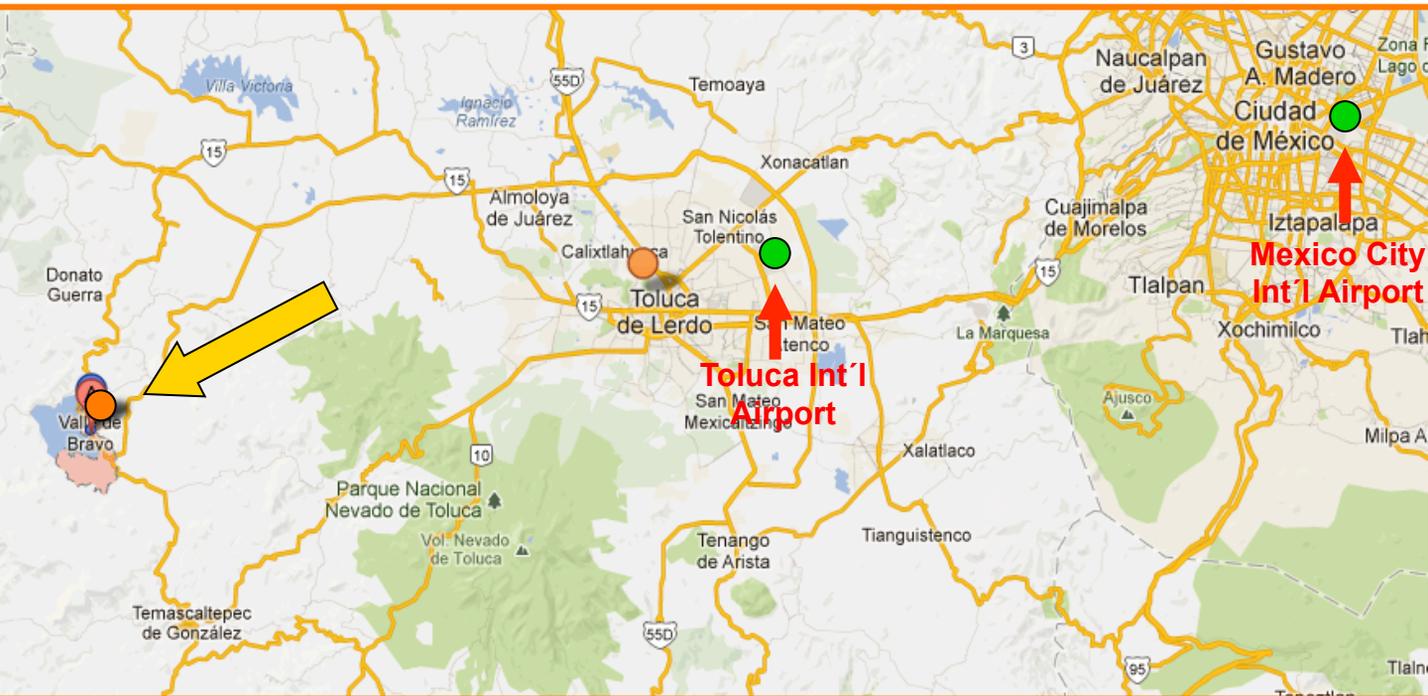




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## 4-EVENT LOCATION

# TWO (2) INTERNATIONAL AIRPORTS NEAR VALLE DE BRAVO



Strategic location... Plenty of access and facilities to get there.



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## 5-EL PEÑON SUITABILITY



**2015 capacity**

**150 pilots in less than two hour**

El Peñon was discovered as a flying site, 1979, Since then, is flown by local pilots every week and visited by more than 500 foreign pilots every winter season.

**Availability:**

Site rented by the local Air Club to the local community. 100% availability for Paragliding and Hang Gliding activities.

**Permission to use:**

100% Site suitability supported by:

- ➔ Local Air Club of *Valle de Bravo A.C*
- ➔ Temascaltepec´s Major
- ➔ Government of the State of Mexico
- ➔ Surrounding communities



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## 6-EL PEÑON OFFICIAL TAKEOFF LOCATION

N 19° 03' 38.53" / W 100° 05' 23.80"



<b>Wind direction</b>	<b>S - S/W</b>
<b>Wind suitability</b>	<b>99%</b>
<b>Height above valley</b>	<b>565 m</b>
<b>Height above sea level</b>	<b>2,160 m</b>
<b>Configuration</b>	<b>Man made ramp at the top of the hill</b>
<b>Surface</b>	<b>Grass</b>
<b>Size</b>	<b>60 m length x 21 m width</b>
<b>Number of ramps</b>	<b>One (1) for 6 gliders simultaneous launch</b>
<b>Rigging area</b>	<b>3,000 m<sup>2</sup> in between the woods, shade</b>
<b>Power lines or hazards</b>	<b>None</b>
<b>Helicopter landing space</b>	<b>Located at 2 km from takeoff area</b>
<b>Car park</b>	<b>100 vehicles capacity</b>
<b>Shelter and refreshment</b>	<b>All area but the launch site is shady, with a convenience shop</b>
<b>Toilettes</b>	<b>Simultaneous restrooms for men (4) and women (4)</b>
<b>Telephone</b>	<b>Cellular mobile only</b>
<b>Windssock</b>	<b>2 units 6 m high large wind socks 2 units 2 m high small wind socks</b>
<b>Accidents</b>	<b>No fatal or serious accidents</b>



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## 6-FACILITIES AT EL PEÑON SITE



**Restrooms**

**Simultaneous separated restrooms**

**M = 4 wc + 2 lavatories**

**F = 2 wc + 2 lavatories**

**Water tank**

**20,000 L water reservoir for restrooms**

**Store**

**Convenience store with snacks and sodas for public.**



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## 6-FACILITIES AT EL PEÑÓN SITE



Shelter and refreshment  
area for pilots

All area but launch area is shady.  
One tent with comfortable seats cool water,  
sodas, energy drinks and snacks.

Space for rigging

Plenty space for rigging 150 Hang Gliders



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## 7-LAUNCH SITE

### DISTANCE FROM HQ TO EL PEÑÓN SITE



**Distance from HQ to takeoff**

**35 min. /25 km road from Valle de Bravo + 5 km off road**

**Road access for vehicles**

**Suitable for all kinds of cars. Off road with good carpet surface.**

**Part away parking area**

**5 min. walk from takeoff area**

**Organizers transportation from headquarters to takeoff area**

**Gliders and pilots transportation in Mini-buses and Vans.**



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## 8-TASK AREA



**Type and suitability of terrain** Mountain terrain with woods tall pine trees an average altitude of 2,000 above sea level.

**Unlandable and built up areas** Not in task routes

**Local road quality for retrieves** Off road and asphalt carpet roads available in all the flying area

**Suitable goal landing fields**

- Valle de Bravo LZ (beach of the Valle de Bravo's lake)  
3,500 m<sup>2</sup>  
1,800 m asl
- Saucos  
4,500 m<sup>2</sup>  
2,300 m asl
- Monarca Butterflies  
20,000 m<sup>2</sup>  
3,100 m asl

**Road traffic problems** None

**Prohibited landing areas** Non in task route



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## 9-AIRSPACE

**Airspace above  
takeoff**

**Free without limitations of height  
and width.**

**Security “Notam”**

All aircraft and helicopters are always notified about the free flying area before takeoff, as mandatory procedure established by the National Aviation Administration in agreement with the local Air Club of Valle de Bravo. Notam is released prior to competition and guaranty a fee space from 12:00 to 17:00 hours every competition day.





## 10-11-WAYPOINTS

WAY POINT	COORDINATES	LAT[°]	LON[°]	HIGHT
3REYES	19°05.362'N 100°11.210'W	19°05.362'N	100°11.210'W	2320
BUENAV	19°13.273'N 099°47.793'W	19°13.273'N	099°47.793'W	3083
CERPEL	19°01.534'N 100°08.384'W	19°01.534'N	100°08.384'W	1730
DESPUE	19°03.697'N 100°05.435'W	19°03.697'N	100°05.435'W	2310
DIVISA	19°07.693'N 100°14.927'W	19°07.693'N	100°14.927'W	2520
ESPINA	19°03.088'N 100°09.138'W	19°03.088'N	100°09.138'W	2321
GAS217	19°08.790'N 100°04.286'W	19°08.790'N	100°04.286'W	2169
IGLESI	19°08.165'N 100°08.763'W	19°08.165'N	100°08.763'W	2150
LACASA	19°07.208'N 100°04.855'W	19°07.208'N	100°04.855'W	2350
LZ1208	19°09.580'N 100°05.920'W	19°09.580'N	100°05.920'W	2802
LZ2279	19°09.693'N 099°56.973'W	19°09.693'N	099°56.973'W	2790
LZ3309	19°12.353'N 099°48.896'W	19°12.353'N	099°48.896'W	3091
MAGUEY	19°05.362'N 100°10.052'W	19°05.362'N	100°10.052'W	2520
MESAD	19°07.654'N 100°00.734'W	19°07.654'N	100°00.734'W	2420
MESONV	19°10.123'N 099°52.815'W	19°10.123'N	099°52.815'W	2730
MONARC	19°10.402'N 099°57.457'W	19°10.402'N	099°57.457'W	2813
PENON	19°03.638'N 100°06.678'W	19°03.638'N	100°06.678'W	2379
PIANOP	19°02.755'N 100°06.563'W	19°02.755'N	100°06.563'W	1820
RAICES	19°09.583'N 099°48.204'W	19°09.583'N	099°48.204'W	2500
RAMON	19°09.240'N 100°01.715'W	19°09.240'N	100°01.715'W	2322
SANFRA	19°09.002'N 099°54.500'W	19°09.002'N	099°54.500'W	2527
SAUCOS	19°09.787'N 099°59.957'W	19°09.787'N	099°59.957'W	2475
TORRE	19°11.077'N 100°06.820'W	19°11.077'N	100°06.820'W	2225
VAL180	19°11.077'N 100°07.672'W	19°11.077'N	100°07.672'W	1800
LA PILA	19°01.463'N 100°14.782'W	19°01.463'N	100°14.782'W	1550
STA MARIA	19°03.191'N 100°16.239'W	19°03.191'N	100°16.239'W	1200
SAN SIMON	19°01.343'N 100°00.482'W	19°01.343'N	100°00.482'W	2136
STA TERESA	19°01.629'N 100°09.987'W	19°01.629'N	100°09.987'W	1933
EL AGUILA	18°57.939'N 100°09.093'W	18°57.939'N	100°09.093'W	1967
WPT SUR 1	18°57.282'N 100°05.234'W	18°57.282'N	100°05.234'W	1875
EL LLANO	18°55.054'N 100°00.720'W	18°55.054'N	100°00.720'W	2348
EL LLANO 2	10°54.843'N 099°58.914'W	10°54.843'N	099°58.914'W	1800
TIZCA	18°55.787'N 099°56.496'W	18°55.787'N	099°56.496'W	2408
CERRO PELON	19°05.518'N 099°51.277'W	19°05.518'N	099°51.277'W	3539
EL OSO	19°07.093'N 099°49.741'W	19°07.093'N	099°49.741'W	3774
WPT TEZCA	18°58.462'N 099°58.970'W	18°58.462'N	099°58.970'W	2900
LAS LAGRIMAS	19°02.440'N 099°50.922'W	19°02.440'N	099°50.922'W	2977
WPT VOLCAN1	19°01.413'N 099°48.866'W	19°01.413'N	099°48.866'W	2943
WPT VOLCAN2	19°00.699'N 099°47.238'W	19°00.699'N	099°47.238'W	2848
LLANURA	18°59.294'N 099°53.466'W	18°59.294'N	099°53.466'W	2864
CORRAL DE PIEDRAS	19°13.018'N 099°55.203'W	19°13.018'N	099°55.203'W	3367
CERRO COLORADO	19°10.295'N 100°05.189'W	19°10.295'N	100°05.189'W	3352
ELEFANTE	19°14.630'N 100°04.278'W	19°14.630'N	100°04.278'W	3352
EL ORO	19°45'52.92 N 100° 8'21.19 W	19°45'52.92'N	100° 8'21.19 'W	2,230
VILLA VICTORIA	19°28'50.66'N 100° 0'4.60'W	19°28'50.66'N	100° 0'4.60'W	2,380
IXTAPAN DE LA SAL	19°28'50.66 »N 100° 0'4.60'W	19°28'50.66'N	100° 0'4.60'W	1,750





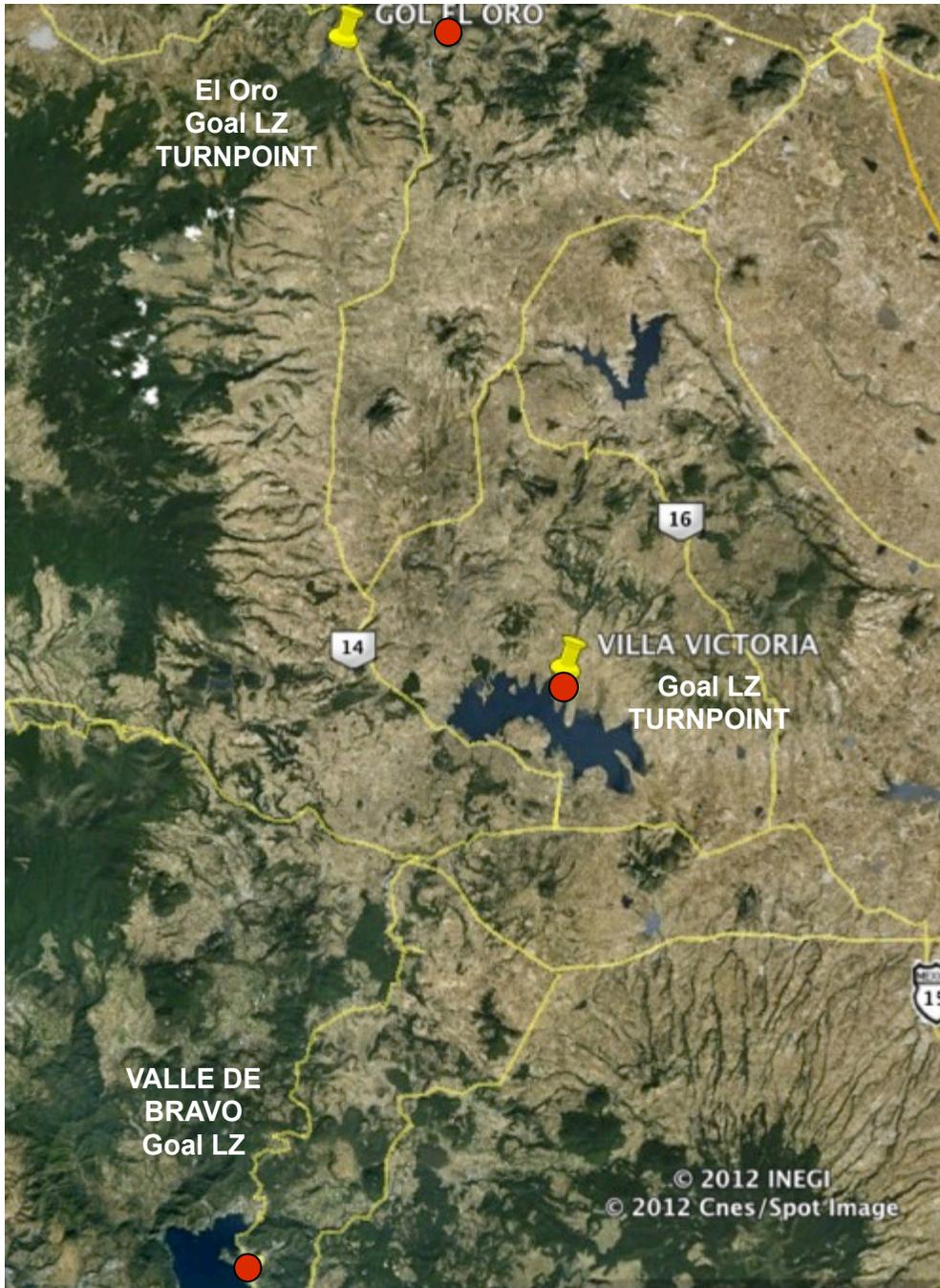
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## 10-11-WAYPOINTS

### LANDINGS TOLUCA VALLEY

40 Km

60 Km

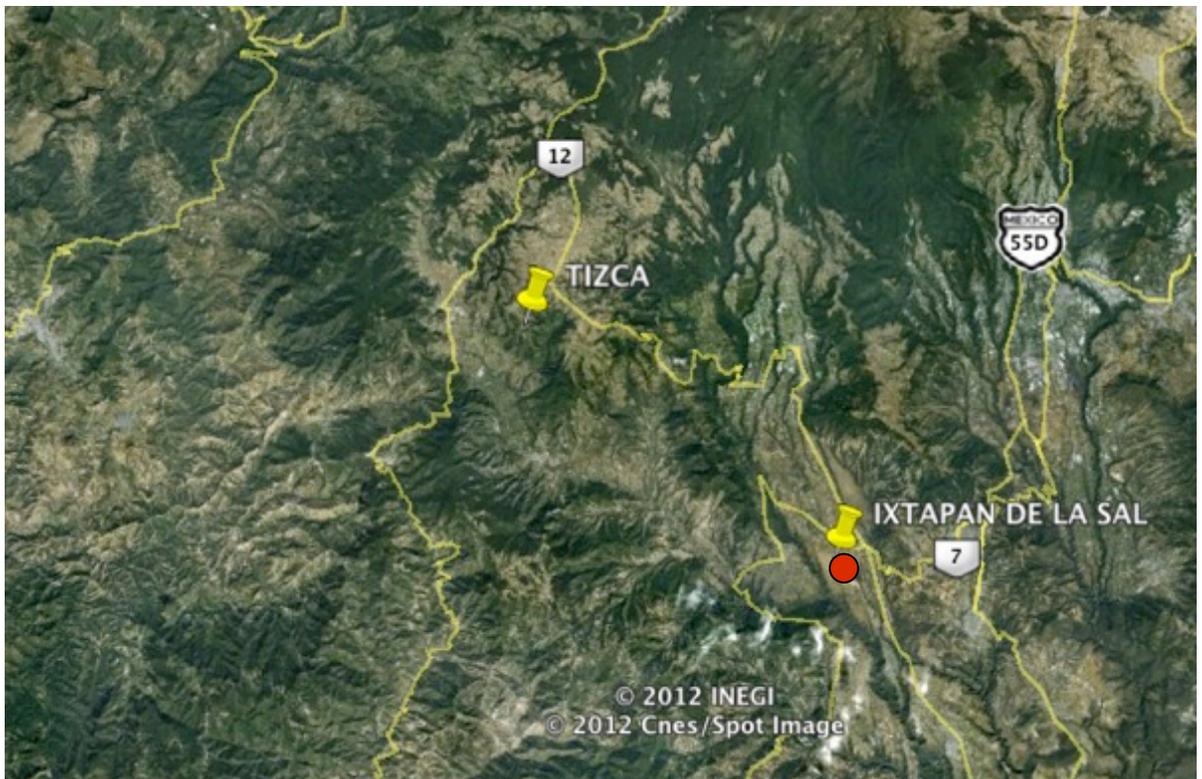


## 10-11-WAYPOINTS

### LANDINGS IN MOUNTAIN AREA

40 Km

18 Km





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## 10-11-GENERAL AREA

75 Km

105 Km

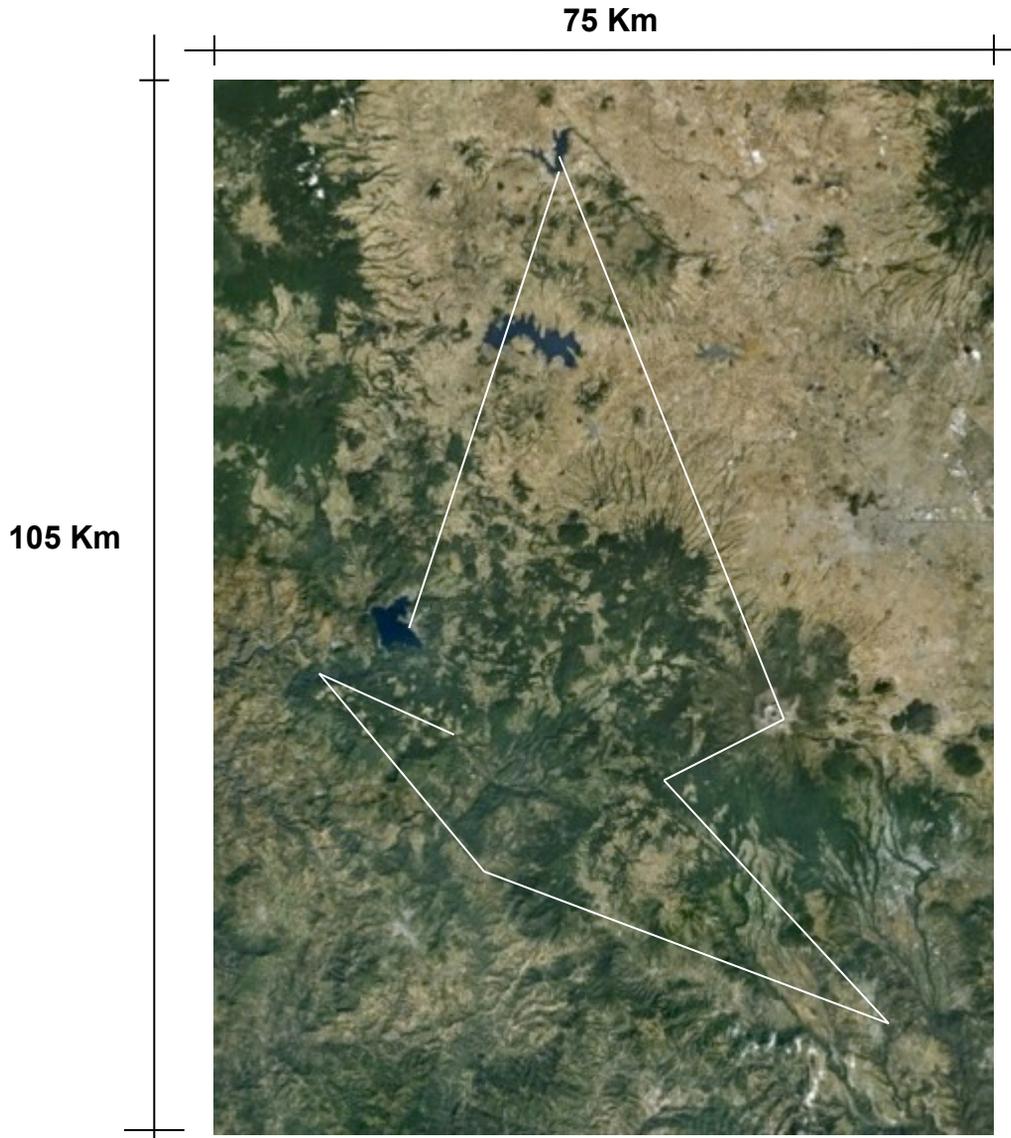




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## 10-11-GENERAL AREA

### TASKS EXAMPLE



**Task 1** 125 km 3 Turnpoints

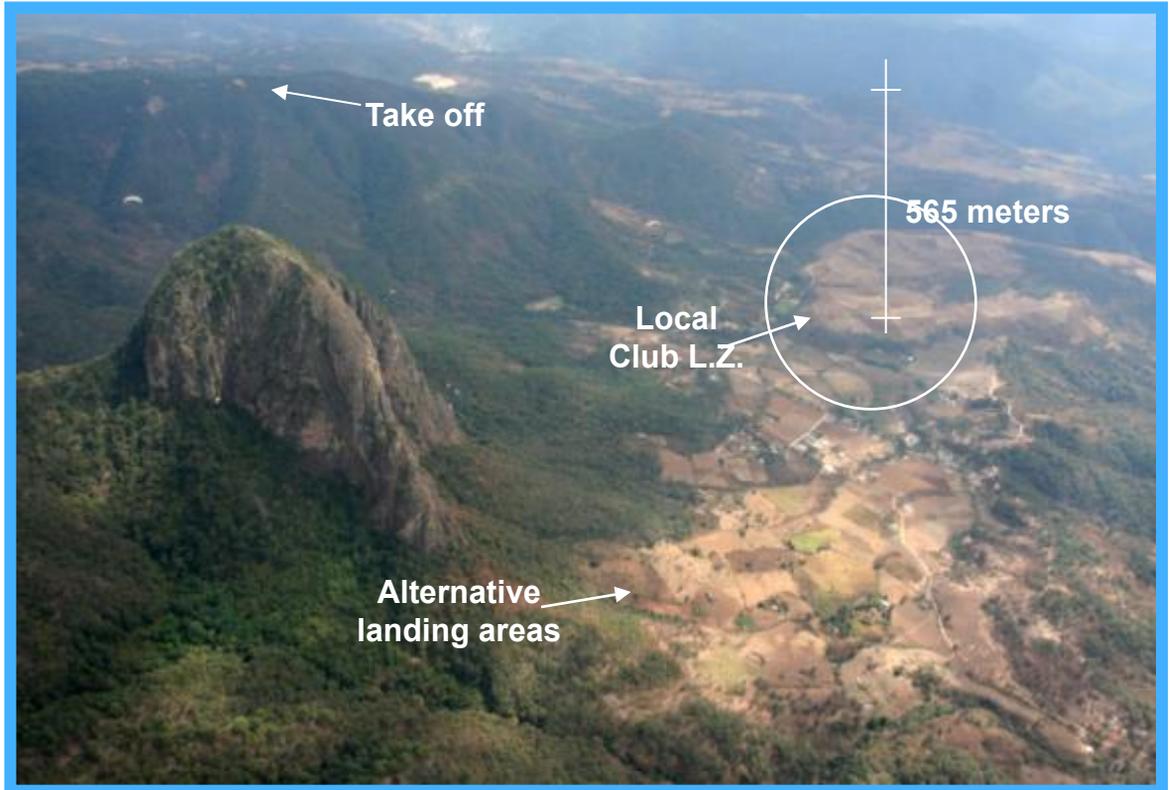
**Tsk 2** 142 km 5 Turnpoints

**Task 3** 162 km 4 Turnpoints

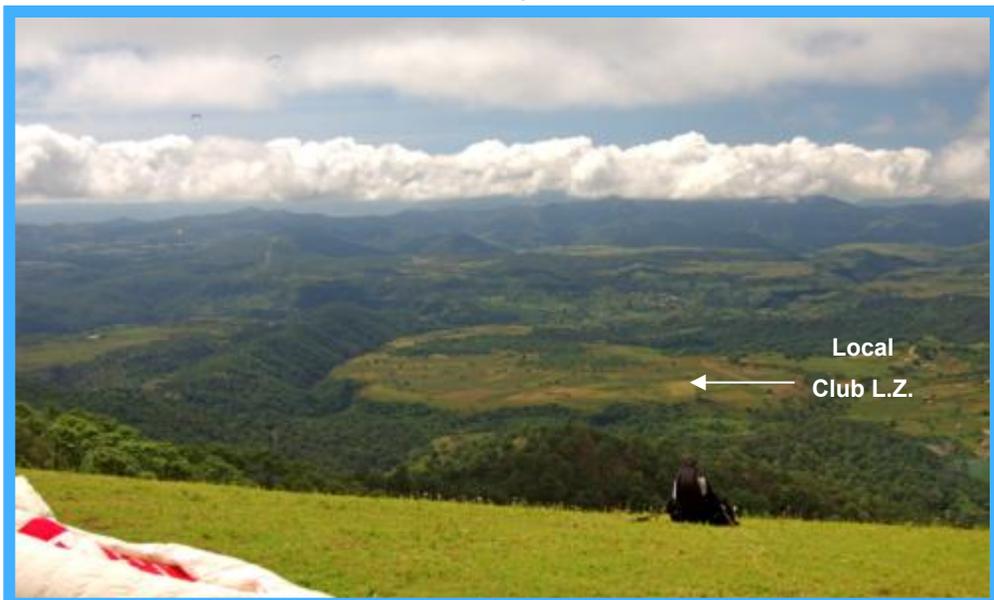
**Task 4** 195 KM 6 Turnpoints

## 10-11-GENERAL AREA

### EL PEÑÓN LZ



**Air view**



**From take off**

## 10-11-GENERAL AREA

### “EL PEÑON” LOCAL CLUB LANDING LOCATION N 19° 02' 32.74" / W 100° 06' 10.15"

Wind direction	Varies - S & SW predominant
Wind suitability	99%
Height under take off	565 m
Configuration	Flat 10,000 m <sup>2</sup> area
Surface	Grass
Size	160 m length x 60 m width
Folding area	3,000 m <sup>2</sup>
Power lines or hazards	None
Helicopter landing space	Yes
Car park	50-60 vehicles capacity
Telephone	Cellular mobile only
Windsock	2 x 4 m high large wind socks
Transportation	Trucks and vans for retrieves





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## 10-11-GENERAL AREA

### EL PEÑÓN LZ



## 10-11-GENERAL AREA

### VALLE DE BRAVO GOAL LZ

Wind direction	W
Wind suitability	100%
Height under takeoff	360
Configuration	Flat 3,500 sq meters flat area
Surface	Grass
Size	100 m length x 35 m width besides the lake
Folding area	500 m <sup>2</sup> area
Power lines or hazards	None
Helicopter landing space	Nearby permanent standby helicopter area
Car park	200 vehicles
Shelter and refreshment	Restaurant at goal
Toilettes	3 man and 2 woman simultaneous
Telephone	Yes
Windsock	4 wind socks of 1 x 8 m high large wind socks 60 cm diameter





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**10-11-GENERAL AREA**

**VALLE DE BRAVO GOAL LZ**





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## 10-11-GENERAL AREA

### “VILLA VICTORIA” ALTERNATIVE GOAL LZ



Wind direction	S
Wind suitability	100%
Configuration	Flat 35,000 sq meters flat area
Surface	Grass
Size	10,000 m <sup>2</sup> area
Folding area	2,000 m <sup>2</sup> area
Power lines or hazards	None
Helicopter landing space	Permanent standby helicopter area
Car park	120 vehicles capacity
Shelter and refreshment	Big tent with water, sodas and snacks for pilots
Toilettes	2 men and 1 woman portable restrooms
Telephone	Mobile phone
Windsock	2 wind socks of 1 x 8 m high large wind socks 60 cm diameter

### “MARIPOSAS” ALTERNATIVE GOAL LZ

Wind direction	W
Wind suitability	100%
Configuration	Flat 30,000 m <sup>2</sup> area
Surface	Grass
Size	30,000 m <sup>2</sup> area
Folding area	2,000 m <sup>2</sup> area
Power lines or hazards	None
Helicopter landing space	Permanent standby helicopter area
Car park	200 vehicles capacity
Shelter and refreshment	Big tent with water, sodas and snacks for pilots
Toilettes	2 man and 1 woman portable restrooms
Telephone	Mobile phone
Windsock	2 wind socks of 1 x 4 m high large wind socks 60 cm diameter



## 10-11-GENERAL AREA

### “EL ORO” ALTERNATIVE GOAL LZ



Wind direction	S
Wind suitability	100%
Configuration	Flat 35,000 sq meters flat area
Surface	Grass
Size	10,000 m <sup>2</sup> area
Folding area	2,000 m <sup>2</sup> area
Power lines or hazards	None
Helicopter landing space	Permanent standby helicopter area
Car park	120 vehicles capacity
Shelter and refreshment	Big tent with water, sodas and snacks for pilots
Toilettes	2 men and 1 woman portable restrooms
Telephone	Mobile phone
Windsock	2 wind socks of 1 x 8 m high large wind socks 60 cm diameter

## 10-11-GENERAL AREA

### “IXTAPAN DE LA SAL” ALTERNATIVE GOAL LZ



Wind direction	S
Wind suitability	100%
Coordinates	N18° 51'42.1" W099° 44'12.2"
Altitud	1,700 msn
Configuration	Flat 60,00 m2 flat area
Surface	Grass
Size	62,000m <sup>2</sup> area
Folding area	5,000 m <sup>2</sup> area
Power lines or hazards	None
Helicopter landing space	Permanent standby helicopter area
Car park	Unlimited
Shelter and refreshment	Hangar and Big tents with water, sodas and snacks for pilots
Toilettes	2 men and 1 woman portable restrooms
Telephone	Mobile phone
Windsock	2 wind socks of 1 x 8 m high large wind socks 60 cm diameter

## 10-11-GENERAL AREA

### “SAUCOS” ALTERNATIVE GOAL LZ



Wind direction	W
Wind suitability	100%
Configuration	Flat 35,000 sq meters flat area
Surface	Grass
Size	40,000 m <sup>2</sup> area
Folding area	5,000 m <sup>2</sup> area
Power lines or hazards	None
Helicopter landing space	Permanent standby helicopter area
Car park	Unlimited
Shelter and refreshment	Big tent with water, sodas and snacks for pilots
Toilettes	2 men and 1 woman portable restrooms
Telephone	Mobile phone
Windsock	2 wind socks of 1 x 8 m high large wind socks 60 cm diameter

## 12-RETRIEVES AND TRANSPORTATION

### Pilot transportation to launch site:

- Seven (7) Vans for 12 passengers each equipped with radios.
- One (1) Mini-bus for 20 passengers each equipped with radios.

### Retrieval:

- Seven (7) Vans for 12 passengers located along the task equipped with radios and GPS.
- One(1) Mini-bus for 20 passengers located in meeting points

### Organization:

- Six (6) Jeep 4x4 off road vehicles
- One (1) Van for Press and Press Coordinator
- One (1) ATV

### Retrieval communications:

All retrieval communications will be made through the Communications Director who will receive pilots landing report with proper GPS coordinates, in order to provide it to the nearest vehicle available to pick-up the pilot and take him to the corresponding Meeting Point or event area.



## 13-SAFETY EQUIPMENTS



Helicopter	<ul style="list-style-type: none"> <li>➤ One (1) intensive care helicopter with professional crew. Time of response between 5-10 minutes after takeoff. Helicopter standing by the goal area.</li> <li>➤ One (1) rescue helicopter equipped with cable canister system and professional crew standing by the city Toluca. Time of response 15-20 min.</li> </ul>
Ambulances	<ul style="list-style-type: none"> <li>➤ Two (2) intensive care ambulances with professional personnel</li> <li>➤ Two (2) fast ambulances for minor injuries pilot transportation</li> </ul>
Rescue teams	<ul style="list-style-type: none"> <li>➤ Two (2) off road rescue trucks from Government Civil Protection</li> <li>➤ One (1) city rescue trucks from Government Civil Protection</li> <li>➤ Three (3) tree rescue teams with experienced climbers</li> </ul>
Rescue boats	<ul style="list-style-type: none"> <li>➤ Two (2) fast boats from Government Port Administration</li> </ul>



## 13-MEDICAL SERVICES AND EMERGENCIES



### Hospitals

#### Valle de Bravo

- ➔ General Hospital with intensive care and services for first aid 24 hours service.
- ➔ Hospital Maternidad del Lago with emergency room, intensive care and traumatic service.

#### Mexico City

(Best traumatic hospitals at 20 minutes by helicopter from Valle de Bravo)

- ➔ American British Council (ABC) Hospital
- ➔ Hospital Angeles Interlomas
- ➔ Hospital Angeles del Sur

#### Toluca

- ➔ Centro Médico Toluca (10 min. from HQ)

### Medical Assistance

- ➔ One (1) Orthopaedic Medical Doctor to attend pilots during competition.
- ➔ One (1) 24 hours Medical Doctor service at the General Hospital to attend pilots and companions. Exclusive service for the event.
- ➔ Ten (10) professional First Aid doctors in ambulances and rescue teams.

### Coordination

- ➔ One (1) First Aids and rescue teams coordinator that will lead daily activities according to the task and the manual.

### Rescue and accessibility

- ➔ There are daily meeting to plan the rescue actions according to the task and the road access.



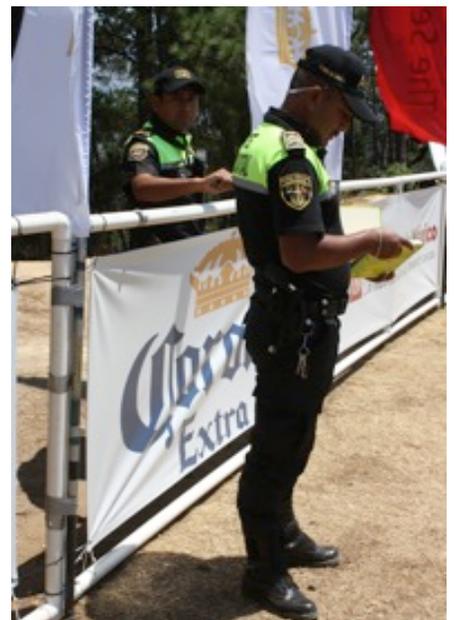
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## 14-LIAISON WITH POLICE MILITARY AND PUBLIC SERVICES

All assistance is provided by the State of México.



**SSC**  
SECRETARÍA DE SEGURIDAD  
CIUDADANA



## 16-COMMUNICATIONS

### Frequencies:

Radio	2 m VHF radios
In flight frequency	145,900
Retrieve frequency	145,850
Emergency frequency	145,800
Organization frequency	145,950
License requirements	Participation to authorities about frequencies in use and period of time.
Usage permit	No special requirements than a formal usage request prior to event.

### Coordination:

All communications are coordinated by the Communications Coordinator, who has under his control the following areas.

- ➔ In flight pilots
- ➔ Landed pilots for retrievals
- ➔ Retrievals
- ➔ Police
- ➔ First Aid
- ➔ Rescue/Helicopter
- ➔ Staff/Organization

### Radio equipments:

- ➔ One (1) truck with mobile antennas, equipped with:
  - ➔ three 2 m radio bases
  - ➔ two (2) cellular phones
  - ➔ two (2) manual 2 m radios
- ➔ One antenna with two (2) radio bases in HQ
- ➔ One antenna with one (1) radio base in Alas del Hombre Shop
- ➔ One antenna with one (1) radio base in Event/Goal LZ
- ➔ All retrieval Pick Up's, Van's and Mini-buses with one (1) radio base each
- ➔ Police communications with a Mantra/Official Radio Unit used by the Security Director
- ➔ Organization and Key Officials equipped with Nextel Radios & Mobil phone

## 16-COMMUNICATIONS

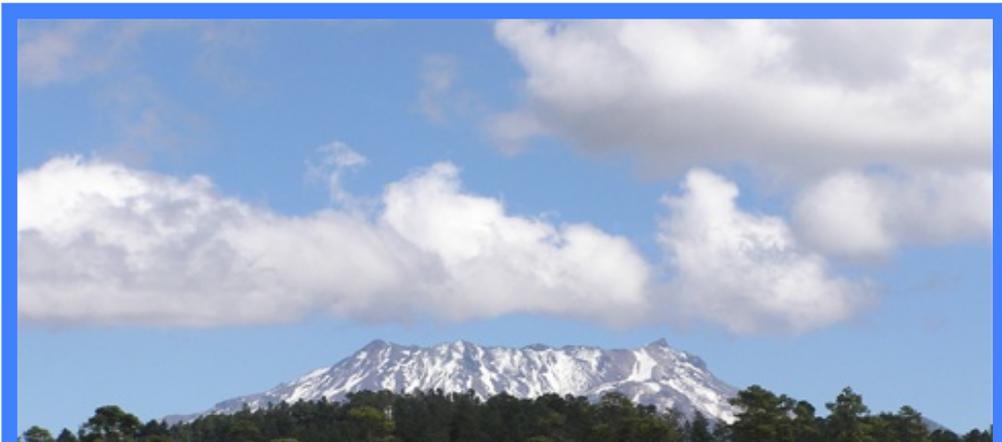
### MOBILE AND REGULAR PHONE COVERAGE



<b>Mobil cellular phone coverage</b>	<p><i>“Telcel”</i>, good signal in 90% of the area and good signal at takeoff area.  <i>“Nextel”</i>, all over Valle de Bravo area.  <i>“Movistar”</i>, all over Valle de Bravo area.  <i>“Iusacell”</i>, all over Valle de Bravo area.</p>
<b>Regular phone</b>	<p>Available in Valle de Bravo and surrounding areas.          Not available at El Peñón takeoff area.</p>
<b>Radio and mobil phone</b>	<p><i>“Nextel”</i> all over the area. All Key Marshals and Organization counts on one Nextel radio phones each.</p>
<b>Phone cards</b>	<p><i>“Telcel”</i> all over the area  <i>“Nextel”</i>, all over Valle de Bravo area.  <i>“Movistar”</i>, all over Valle de Bravo area.  <i>“Iusacell”</i>, all over Valle de Bravo area</p>
<b>Phone cabs</b>	<p>International Phone Cards available from US\$10 used at any public phone.</p> <p>Three (3) National and international public phone cabins          service stores in Valle de Bravo.</p>

## 17-WEATHER AND FLYING CONDITIONS

Weather conditions	Mountain weather with predominant wind from SW during 95% of the year. Sunny days with partial clouds during the day over the mountains.
Best season for Hang Gliding	January to March
Average cloud base height	4,000-5,000 m above sea level in February and March
Average temperature	25°C-35°C (February-March)



## 17-WEATHER AND FLYING CONDITIONS



Prone to low cloud	None
Possibility of wave or fohn	None
Best time of the day or thermals in the slope	From 11:30 to 16:30 hours, cloud base 3,500-4,000 masl.
Soft thermal conditions	From 9:30 to 11:00 hours, cloud base at 2,500-3,000 masl.
Residual lift in the afternoon	Good residual lift from 17:00 hours
Recommended max. wind speed for task flying	25 km/hr.
Turbulent areas	El Peñon rock, La Mesa, Peñitas and 3 Reyes



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## 17-FEBRUARY MARCH SEASON





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## 18-METEOROLOGY AND FORECAST

### HANG GLIDING AND PARAGLIDING COMPETITIONS EFFECTIVENESS IN VALLE DE BRAVO

Valle de Bravo has been the witness of a growing free flight sports activities since early 70's, being now the most important flying area in Mexico and the alternative flying place for European, USA and Canada pilots during their winter season. Thanks to this well gained reputation, Valle de Bravo is today a desired place to fly thanks to the excellent weather conditions, town attractions and services. All this made possible having paragliding competitions as shown below with statistics of the latest 12 years:

YEAR	COMPETITION	FLOWN DAYS	%
1998	North American Championship - USHGA	5/6	83%
2001	Milenium Cup PG 1st edition	5/5	100%
2001	Milenium Cup HG 1st edition	5/5	100%
2005	Milenium Cup HG 2nd edition	6/6	100%
2006	Milenium Cup HG 3rd edition	6/6	100%
2003	Monarca Paragliding Open 1st edition	5/6	83%
2004	Monarca Paragliding Open 2nd edition	5/6	83%
2005	Monarca Paragliding Open 3rd edition	5/6	83%
2006	Monarca Paragliding Open 4th edition	6/6	100%
2007	Monarca Paragliding Open 5th edition	6/6	100%
2008	Monarca Paragliding Open 6th edition	6/6	100%
2008	Pre World Paragliding Championship	6/6	100%
2009	Monarca Paragliding Open 7th edition	6/6	100%
2009	XI World Paragliding Championship	12/12	100%
2010	Monarca Paragliding Championship	5/6	83%
2011	Monarca Paragliding Open Pre-PWC	6/6	100%
2012	Paragliding World Cup Super Final	10/11	90%
	<b>Total</b>	<b>89/94</b>	<b>94.7%</b>

## 18-METEOROLOGY AND FORECAST

### Forecast

- XCSkies website
- American Soaring Association site
- National Weather Institute/Instituto Nacional de Meteorología
- National Water Commission/Comisión Nacional del Agua
- Windguru web site

### Weather station

Alas del Hombre counts with permanent weather station in Valle de Bravo facilities, with the following features:

Weather station model “Vantage Pro”

Manufacturer: Davis Instruments Inc.-USA

Coordinates: 19 11’ N/100 07’ W

Altitude: 1,800 masl

- Anemometer
- Rain collector with daily data
- Temperature sensor
- Temperature/Humidity sensor
- Wind direction
- Relative humidity
- Heat index
- Dew point



### Meteorologist

There will be an experienced meteorologist in charge of collecting data, processing the information and releasing a daily competition weather report..





# 18-METEOROLOGY AND FORECAST

## WEATHER DATA

<b>Meteorological National Service</b>					
<b>LATITUDE</b>	<b>19-13</b>	<b>VALLE DE BRAVO, ESTADO DE MEXICO</b>			
<b>LONGITUDE</b>	<b>100-17</b>	<b>ALTITUDE</b>	<b>2242 ASL</b>		
PARAMETERS	WEATHER NORMALS				
TEMPERATURES	YEARS	January	February	March	ANUAL
Maximum Extreme	19	29.0	37.0	33.0	42.0
Maximum Average	19	24.5	26.0	28.0	26.4
Average	19	14.7	15.5	17.3	17.9
Minimum Average	19	5.0	5.0	6.6	9.4
Minimum Extreme	19	0.0	-3.0	0.0	-3.0
Oscillation	19	19.5	21.0	21.5	17.0
PRECIPITATION					
Average	20	12.0	4.0	2.0	1215.4
Maximum	20	78.0	30.0	17.5	448.0
24 hr. Maximum	20	46.0	30.0	47.5	68.0
<b>FREQUENCY OF ELEMENTS AND SPECIAL PHENOMENONS</b>					
No. Appreciable Rain Days	20	0.9	0.8	0.5	107.0
No. Unappreciable Rain Days	19	5.2	4.7	4.2	55.1
No. Clear Days	19	27.9	26.6	29.0	286.7
No. Cloudy Days	19	1.7	1.2	1.0	37.9
No. Close/Cludy Days	19	1.3	0.8	1.1	40.9
No. Dew Days	20	9.3	8.9	1.7	51.5
No. Hail Days	20	0.0	0.1	0.0	1.7
No. Frost Days	20	5.3	1.6	0.4	11.1
No. Electric Storm Days	20	0.0	0.1	0.1	7.7
No. Foggy Days	20	0.0	0.0	0.0	0.2
No. Snow fall Days	20	0.0	0.0	0.0	0.0

TEMPERATURE IN °C

EVAPORATION AND PRECIPITATION IN mm

## 19-HEADQUARTERS



**Located at 100m from the Main LZ at Santa María, this facility counts with:**

General Secretary Office:

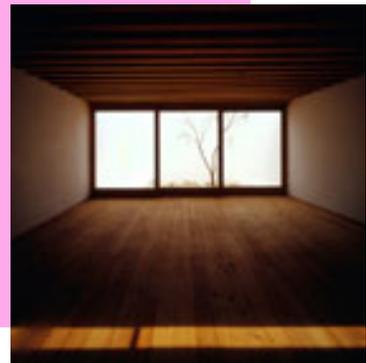
- Registration
- Assistance
- Director / Score Keeper, computers, boards, maps, TV etc.

Press room:

- Computers
- internet
- Fax
- Copy machines
- Café y snacks
- Telephone

Note board  
Jury rooms  
WC  
Paragliders storage

Parking lot  
Pool  
Massage room  
24 hrs. Security



## 20 -LOCAL FACILITIES

### MANDATORY PILOT BREAFFING AUDITORIUM

- El Centro Regional de Cultura Joaquin Arcadio Pagaza can get 200 pilots sitting.
- It is located at 4 blocks from the LZ and 100m from Alas del Hombre.
- The building is a Government property and have this facilities:



- Auditorium for
- 200 sitting people
- Screen
- Proyector
- Microphone
- Speakers
- Podium





## 21-MEDIA PLAN AND COVERAGE



→ **Pre event media investments:** direct event promotion in three (3) different levels.

- **Local promotion:** 1 year promotion plan in Valle de Bravo, through local magazines, web sites and Valle de Bravo County media office. This is to promote the event in the community and make them be part of it.
- **National promotion:** 3 months before the event in magazines, newspapers, web sites and TV.
- **International promotion:** one (1) year promotion in main web sites and paragliding magazines.

→ **Event media coverage:** media coordination before, during and after event, covering the following aspects:

- Press conferences.
- Open reporters invitation to fly tandems during the event . Attend reporters and media teams by providing all cares to ensure a pleasant stay during their event coverage work.
- Daily press releases to all media.
- TV broadcasting for post event TV program.
- Interviews to pilots, VIPs and Key officials.

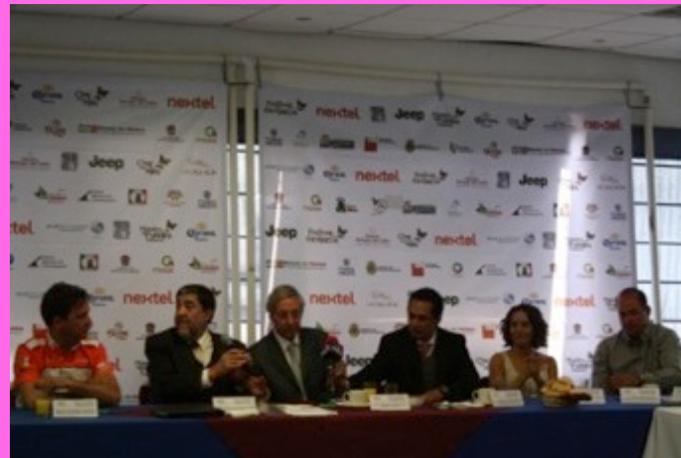
→ **Post event coverage:** media coordination after the event to release final competition balance, statistics, results, pictures and the official report to all medias.

- Magazines with event coverage summary.
- 2 min. TV event summary for Sports TV News programs.
- TV programs.

## 21-MEDIA PLAN AND COVERAGE

→ Three (3) Press Conferences: Sponsored by the National Aeroclub and Hoteles Misión, we offer two different dates: November and January breakfast and press conference to national media including TV, Newspapers, Magazines.

- ⇒ We offer free Tandem flights to media during the event
- ⇒ We offer Free local transportation to all media.
- ⇒ We offer Hotel rooms to TV channels during the event.



## 21-MEDIA PLAN AND COVERAGE

→ Five (5) Tandem pilots available for media every day during the event.





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## 21-WEB PAGES

Official Web page [www.faihngworldmex.com](http://www.faihngworldmex.com)

→ Facebook [www.facebook.com/events/393639414020048/](http://www.facebook.com/events/393639414020048/)

→ Alas del Hombre [www.alas.com.mx](http://www.alas.com.mx)

# nextel.aventura

inicio
reglas locales
información pilotos
inscripción
lista de pilotos
resultados



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### El Peñon Classic Race

International Hang Gliding Competition

Vuelo Libre México y Alas del Hombre a través del Club de Vuelo y Vela de Valle de Bravo y con el patrocinio de Nextel Aventura, Sensual Tea, Jeep, Hotel Refugio del Salto y Corona, los invitan a participar en el Campeonato Internacional de Vuelo Libre en Ala Delta, que se llevará a cabo en Valle de Bravo y Temascaltepec, Edo. de México, del 21 al 25 de Marzo del 2012.

Será un evento avalado por la FEMEDA (Federación Mexicana de Aeronáutica), la ANPYF, (Asociación Nacional de Papolotes y Parapentes) y la FAI (Federación Internacional de Aeronáutica), con categoría de evento FAI 2.

Agradecemos el apoyo brindado por el Gobierno del Estado de México, así como la Secretaria de Turismo del Estado de México y El Ayuntamiento de Valle de Bravo para la realización de dicho evento.

**Patrocinadores**

















**Apoyo Institucional**



GOBIERNO DEL  
ESTADO DE MÉXICO



GOBIERNO QUE TRABAJA Y LLEGA  
**enGRANDE**



ESTADO DE MÉXICO  
*La maravilla de tenerlo cerca*



EL ANHEJAMIENTO CONSTITUCIONAL  
**VALLE DE BRAVO**  
2009-2012



DIRECCIÓN DE  
**TURISMO**  
MUNICIPAL



MUNICIPIO DE  
**TEMASCALTEPEC**  
ESTADO DE MÉXICO



PUEBLOS  
**MÁGICOS**



www.visitmexico.com

**Organizadores**



ALAS DEL HOMBRE  
Expertos en Vuelo Libre



VUELO  
**LIBRE.MX**



CLUB DE VUELO Y VELA  
VALLE DE BRAVO A.C.



FAI



FEMEDA



ANPYF

inicio | reglas locales | información pilotos | inscripción | lista de pilotos | resultados | noticias

Director de Competencia: Miguel Gutierrez  
Asistente de Dirección: Rudy Gotes  
Dudas o comentarios: [elpenon2012@vuelolibre.mx](mailto:elpenon2012@vuelolibre.mx)



20<sup>th</sup> FAI World Hang Gliding Championship  
Valle de Bravo-México

# 21-WEB PAGES

## Alas del Hombre

## Facebook

## 22-DIRECTORS AND KEY OFFICIALS



NAME	POSITION
Miguel Gutiérrez	Organizer & General Event Coordinator
Karel Freudenthal C.	Meet Director
Héctor Serrano D.	Score Keeper
Alejandro González	Rescue & Emergencies Director
Eduardo Corona	Communications Director
Noé Colín V.	Retrieval Coordinator
Agata Lanz	Hostess
Claudia Gomez Palacios	Media Coordinator
Arturo Garcia	Meals, Hidratation and L.Z. Coordinator
David Acosta	Web Master
Competition doctor	Dr. Justino Fernández

## 24-FINANCE AND SPONSORSHIP



# 20<sup>th</sup> FAI World Hang Gliding Championship

Valle de Bravo-México

### Patrocinadores - Sponsors



### Apoyo Institucional - Institutional Support



### Organizadores - Event Organizers





20<sup>th</sup> FAI World  
Hang Gliding  
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Valle de Bravo-México

**25- ENTREE FEE**

**PILOTS 485 EURO**

**TEAM LEADERS 175 EUROS**

**INCLUDES:**

**RESCUE HELICOPTER**

**T-SHIRT**

**LUNCH PACK**

**WATER**

**MAPS**

**SPONSOR GIFTS**



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- 26-NUMBER OF PILOTS**
- 27-GUEST PILOTS**
- 28-VISAS VACCINATIONS**
- 29-EARLY ARRIVALS**

26- MAX NUMBER OF PILOTS 150, TEAMS ACCORDING TO FAI CAT-1 RULES.

27- 5 (FIVE) GUEST PILOTS WILL BE ALLOWED UPON REQUEST

28- THE SECRETARIA DE RELACIONES EXTERIORES WILL SUPPORT IN CASE OF SPECIAL VISA NEEDS

29-EARLY ARRIVALS WILL ADMITTED UNTIL FEBRUARY 27



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Valle de Bravo-México

## 30- CUSTOM **IMPORTATION**

THE (SAT) SECRETARY OF TRIBUTARY ADMINISTRATION WILL  
SUPPORT TEMPORARY ENTREE OF EQUIPMENT



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## CEREMONIES

México is well known by their hospitality, folklore and warmth of its people, the F.A.I. World Paragliding Championships in 2009 and Súper Final in 2012 were lifted and amused by great opening and closing ceremonies





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## **TROPHIES & MEDALS**

**2015 FAI GOLD MEDAL MEN WORLD HANG GLIDING CHAMPION**

**2015 FAI SILVER MEDAL MEN VICE WORLD HANG GLIDING CHAMPION**

**2015 FAI BRONZE MEDAL MEN THIRD PLACE WORLD HANG GLIDING CHAMPION**

**2015 FAI GOLD MEDAL WOMAN WORLD HANG GLIDING CHAMPION**

**2015 FAI SILVER MEDAL WOMAN VICE WORLD HANG GLIDING CHAMPION**

**2015 FAI BRONZE MEDAL WOMAN THIRD PLACE WORLD HANG GLIDING CHAMPION**

**2015 FAI TEAM GOLD MEDAL WORLD HANG GLIDING CHAMPION**

**2015 FAI TEAM SILVER MEDAL WORLD SECOND PLACE HANG GLIDING CHAMPION**

**2015 FAI TEAM BRONZE MEDAL THIRD PLACE WORLD HANG GLIDING CHAMPION**



20<sup>th</sup> FAI World  
Hang Gliding  
Championship  
Valle de Bravo-México

NAME

MIGUEL GUTIERREZ

SIGNED

POSITION IN ORGANIZATION

GENERAL DIRECTOR

DATED

2 / DECEMBER / 2012



# 20<sup>th</sup> FAI World Hang Gliding Championship

Valle de Bravo-México

Tel: (726) 262 0934 / 262 6382  
info@faiheworldmex.com.mx  
www.faiheworldmex.com.mx  
www.faiheworldmx.com