

18th WORLD UNIVERSITY ORIENTEERING CHAMPIONSHIP

30th June – 7th July 2012
Alicante, Spain



Technical Handbook

June, 2012
Sport Service
University of Alicante

*Service des Sports de l'Université
d'Alicante - Sports Service
University of Alicante
Ctra. San Vicente s/n 03690
San Vicente del Raspeig
(Alicante-Spain)
Tel. +34965903469
Fax. +34965909302
E-mail: ofi.esport@ua.es
Web:*

*[http://sd.ua.es/orienteering-
championship/](http://sd.ua.es/orienteering-championship/)*



Universitat d'Alacant
Universidad de Alicante



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TECHNICAL ORGANIZATION

CONTROLLER JUDGE FEDO

Ferran Santoyo (FARRA-O)

TECHNICAL COORDINATOR

José Antonio Rodríguez Sirvent (University of Alicante)

EVENT MANAGER

Santiago del Moral Durá (Orienteering University of Alicante)

EVENT ASSISTANT AND MANAGER-COORDINATOR OF TECHNICAL MEETINGS

Luis Martín de los Ríos (Toledo-O)

LONG - DISTANCE EVENT MANAGER

Luis Martín de los Ríos (Toledo-O)

MIDDLE - DISTANCE EVENT MANAGER

Jesús Gil Brotons (Colivenc-O)

SPRINT EVENT MANAGER

Antonio Rodriguez Montoro (Veleta-O)

RELAY EVENT MANAGER

Antonio Gil Brotons (Colivenc-O)

SPECTATORS EVENT MANAGEMENT

José Luis Juan Casillas FEDOCV

MODEL EVENT MANAGER

Manuel Brotons Pastor (Sant Joan-O)

COURSE SETTING (COURSE PLANNER)

Santiago del Moral Durá (UA-Orienteering) - Middle distance

Santiago del Moral Durá (UA-O) - Sprint

Roger Casal Fernández (Colivenc) - Long Distance

Héctor Esteve (Colivenc) - Relay

MAPPER (CARTOGRAPHY)

Long Distance Leonid Malankov (Letonia)
 Santiago del Moral (UA-O)

Middle Distance Santiago del Moral (UA-O)

Sprint Santiago del Moral (UA-O)

Relay Santiago del Moral (UA-O)

Model Event Santiago del Moral (UA-O)

EVENT CONTROLLERS

FISU CONTROLLER

Ola Kaberg (Suecia)

IOF ADVISOR

Paul Corrodi (Suiza)

EVENT CONTROLLER

Ferrán Santoyo (España)

DAILY PROGRAM SCHEDULE

SATURDAY, Juny 30		
10.00	Opening of event center	University
10.00 – 17.00	Free Training	Maps
10.30 – 20.00	Team accreditation	Event Center (University)
13.00 - 15.00	Lunch	Villa Universitaria, Arrayan
19.00 – 22.00	Dinner	Villa Universitaria, Arrayan
SUNDAY, July 1		
07.00 – 10.00	Breakfast.	Villa Universitaria, Europa House
08.00	Event Office Open	Event Center (University)
08.00 – 20.00	Team accreditation	Event Center (University)
10.00 – 17.00	Free Training.	Maps
13.00 – 15.00	Lunch	Villa Universitaria, Arrayan
19.00	Team Officials meeting	Villa Universitaria
20.00 - 22.00	Dinner	Villa Universitaria, Arrayan
MONDAY, July 2		
07.30 – 10.00	Breakfast	Villa Universitaria, Europa House
08.00	Event Office Open	Villa Universitaria /Alicante University
10.30	Cultural visit (only head of delegation)	Santa Pola city
09.00 – 21.00	Model Event	Carabasí
12.00	Deadline for long distance	Event Center
13.00 – 15.00	Lunch	Villa Universitaria
14.00	Deadline for team accreditation	Event Center (University)
16.00	Team Officials Meeting	Villa Universitaria
19.30	Opening Ceremony	Park Lo Torrent, San Vicente
21.00-21.30	Dinner	Villa Universitaria, Arrayan
TUESDAY, July 3		
06.00 – 10.00	Breakfast.	Villa Universitaria, Europa House
07:00	First Bus for long distance start.	Villa Universitaria, Europa House
08:00 - 21:00	Event Office Open.	University
08:30 - 14:00	Long distance competition	Tibi city
12.00	Deadlines for Sprint entries	Competition arena
12.00 -14.30	Lunch	Competition arena
14.30	Medal Ceremony	Competition arena
15.30	Press conference	Villa Universitaria
18.00	Team Officials meeting	Villa Universitaria

19.00 –21.00	Dinner	Villa Universitaria
WEDNESDAY, July 4		
07.00 – 10.00	Breakfast	Villa Universitaria
08.00	Event Office Open	Villa Universitaria / Alicante University
12.00	Deadlines for Middle distance entries	Event center
11.00 - 14.00	Lunch	Villa Universitaria, Arrayan
14.30	Bus for competition, all athletes.	Villa Universitaria, Europa House
15.30	Quarantine for Sprint runner starts.	Alicante
16.30 - 18.30	Sprint Distance competition.	Alicante
19.00	Medal ceremony	Explanada
21.30	Team Officials meeting	Villa Universitaria
20.00 – 22.00	Dinner	Villa Universitaria, Arrayan
THURSDAY, July 5		
06.00 – 10.00	Breakfast	Villa Universitaria, Europa House
07.00	First Bus for middle distance start	Villa Universitaria, Europa House
08.00	Event Office Open	Villa Universitaria / Alicante University
08.30 - 14.00	Middle distance competition	Santa Pola
12.00	Deadlines for relay entries	Competition arena
12.00 - 14.30	Lunch	Competition arena
14.30	Medal Ceremony	Competition arena
15.30	Press conference	Villa Universitaria
18.00	Team Officials meeting	Villa Universitaria
19.00 – 21.00	Dinner	Villa Universitaria, Arrayan
FRIDAY, July 6		
06.30 -7.30	Breakfast	Villa Universitaria, Europa House
07.00	Bus to relay competition arena	Villa Universitaria, Europa House
08.00	Event Office Open	Villa Universitaria
08.00	Deadline for relay team changes.	Competition arena
08.30 – 12.00	Relay competition	Villa Universitaria
12.00	Medal Ceremony	Competition arena
13.30- 15.30	Lunch	Villa Universitaria, Arrayan
20.00	Closing Ceremony	Paraninfo University
21.00	Banquet	Arrayan
SATURDAY, July 7, Departure		
06.00 – 10.00	Breakfast	Villa Universitaria, Europa House
07.00	Event Office Open	Villa Universitaria / University of Alicante
07.00 –12.00	Departure	Villa Universitaria ,Europa House

DAILY PROGRAMME

Model Event

Monday, July 2, 22.00 – 14.00

LOCATION	Map of CARABASÍ , Santa Pola - 16 Km from Villa Universitaria
DURATION	09.00-14:00
ROUTE:	OC will supply buses. Delegates will pick up the maps (Event Model) in the place assigned by the Organization. Accreditation card will be valid as ticket to take part in trainings. Departure time and place will be communicated.
MAPS:	Scale 1:10000, Contour interval 5m, size A4 Maps checked in 2011. Map maker: Santiago del Moral Durá, same cartographer as long distance, middle distance, Sprint and relay.
TERRAIN DESCRIPTION:	Land forms: A steep slope area and another dune area. Vegetation: Typical of most of the lands in the Mediterranean Basis, low pine and good visibility but limited in some areas. Roads and paths: Areas with few roads and paths. There is a coastal asphalt road.
COURSE DESCRIPTIONS:	Course: 4870 m Height difference: 100 m Controls: 13 Punching: SI-system Classical start – start station for times Finishing line: Discharge of time
COURSE PLANNER	Manuel Brotons Pastor
TECHNICAL MEETING	Technical meeting about long distance event will be held in Villa Universitaria at 16.00. Numbers, start timetables and the allocation of competitors for this event will be communicated and handed out.

LONG DISTANCE

Tuesday, July 3, 8.30 – 14.30

COMPETITION ARENA	Map of PANTANO DE TIBI - 16 Km from "Villa Universitaria". GPS Position N 38° 30'01.80" O 0° 36'00.45" Altitude 596 m.
FIRST START	08.30, 2 minutes Start interval. Even minutes for men; odd minutes for women
TRANSPORT	Organizer's transport to start area is mandatory to all competitors and team delegates. They will be carried on buses step by step

	from Villa Universitaria. A list of complete timetables and runners will be hand out in technical meeting every day. Manager teams may go with their team to the start area or to go directly to finishing line.				
PRE-STARTS	Pre-start area will be the place where buses arrive. A large tent will be available for competitors to change clothes. There will be toilettes for competitors. A special tent will be available for competitor's bags and a transportation service will be provided to take it from the start area to the finish line. Start time for each runner. 20 minutes before official time, a warm-up map with 3 o 4 points will be available.				
START	Classical format: -3, -2, -1.				
MAP	New map made in July 2011, Scale 1:15000, Contour interval 5 m. Size A4 Mapped by Leonid Malankov (Latvia) and SANTIAGO DEL MORAL DURÁ (Spain). Final revision May 2012				
TERRAIN DESCRIPTION:	<p>Land forms: Hilly terrain with a height difference of 320 – 590 meters above sea level. Area crossed by ravines, impassable in some cases.</p> <p>Vegetation: Map with passable vegetation but it is bushed on ravine areas and impassable in some cases. About 20% farming ground and 40% semi open area.</p> <p>Ground: Pronounced slopes and increasing difficulty.</p> <p>Visibility: Varies depending on the areas, but very good in general.</p> <p>Roads and paths: Few paths and tracks and some asphalt roads, but not much traffic.</p>				
CONTROL DESCRIPTIONS:	Control descriptions are printed on the map. Separate control descriptions will be available at pre-start. (Minute -2 at start)				
COURSE PLANNER:	Roger Casal Fernández				
COURSE INFORMATION	LENGHT	CONTROLS	CLIMB	EXPECTED WINNING TIME	REFRESHMENT CONTROLS
W 21	6750 m	20	420 m	Approx 60'	2 control areas
M 21	9850 m	25	690 m	Approx 80'	4 control areas
RADIO CONTROLS	There are four radio controls, two in field, one in start and one in finish area.				
SPECTATORS CONTROL:	There will be no spectator control.				
REFRESHMENT	Plain water will be available at the start area and after the finish. There will be three refreshments during the race in controls. It will be forbidden to take bottles out of refreshment areas.				
FINISH AREA	A transport service will be provided from the pre-start area to finish area for competitor's bags. Coaches and team delegates that leave start are allowed to take the bus from the start area to the finish area, but they cannot then go back to the start area. An Orienteering material shop will be available.				

	A Vip's shop and a food place will be available for competitors.
AWARD CEREMONY	An official area will be available for award ceremony in start area and the raising of the flags of winning teams.
TRANSPORT	After the award ceremony, the Organization will supply buses to come back to the "Villa Universitaria".
TECHNICAL MEETING	The technical meeting will be held at 18.00 in Villa Universitaria in order to prepare the Sprint Event. Numbers, starting time and buses timetables will be communicated and handed out.

SPRINT

Wednesday, July 4, 15.30 - 19:00

COMPETITION ARENA:	Map of SANTA CRUZ - 4 Km from Villa Universitaria. GPS Position: N 38° 20'56.58" O 0° 28'40.41" Altitude 115 m.					
FIRST START	16.30 - Starts each 30'' alternating men and women.					
TRANSPORT	14.30 Organizer's transport to quarantine area is mandatory to all competitors and team delegates. It will carry them from Villa Universitaria to the Postiguet Beach at the same time Accreditation card will be valid as ticket in order to go up to Santa Barbara Castle using the elevator.					
QUARANTINE	A quarantine area with warm-up zone and controls will be available inside the castle. Pre-start area will be placed there.					
PRE-STARTS	A large tent to change will be available. Unisex toilets area. Competitors will leave their bags in a tent. A transport service will be provided from the start area to a finish area tent for competitor's bags.					
START	Classical format -3, -2, -1; and pre-start.					
MAP	New map created in February 2012. Scale 1:4000, Contour interval: 5M. Size: A4 Mapped by Santiago del Moral Durá (Spain) Checked in May, 2012.					
TERRAIN DESCRIPTION	Lands forms: Map Scale 1:4000 It is the hillside of a mountain, with steep slopes. Vegetation: A mix of urban areas and parks. Ground Mostly firm and dry. Steeper parts in many places. Visibility Very good. Roads and paths A developed network of city roads and pedestrian walk.					
CONTROL DESCRIPTIONS	Control descriptions are printed on the map. Separate control descriptions will be available at pre-start. (Minute -2 at start)					
COURSE PLANNER	Santiago del Moral Durá					
COURSE INFORMATION	LENGTH	CONTROLS	CLIMB	EXPECTED WINNING TIME	REFRESHMENT CONTROLS	
	W 21	2250 m	17	105 m	14'	NO
	M21	2800 m	19	135 m	14	NO
RADIO CONTROLS	There are four radio controls; two in field, one in start area and					

	one in finish area.
SPECTATORS CONTROL	All course will have a spectators control but not for competitors, coachers or delegates.
REFRESHMENT	Plain water will be available at the pre-start, start, and finishing areas. There will be not refreshment in race.
FINISH AREA	A transport service will be provided from the pre-start area to the finish area for competitor's bags. Coaches and team delegates that leave start are allowed to take the bus from the start area to the finish area, but they cannot then go back to the start areas. There will be a recovery area for runners after the finish, but they are not allowed to go out during the event.
AWARD CEREMONY	19.00 An official area will be available for award ceremony in start area and the raising of the flags of winning teams.
TRANSPORT	After the award ceremony, the Organization will supply buses to come back to the "Villa Universitaria".
TECHNICAL MEETING	The technical meeting will be held at 21.30 in Villa Universitaria in order to prepare the Middle Distance Event. Numbers, starting time and buses timetables will be communicated and handed out.

MIDDLE DISTANCE

Thursday, July 5, 8.30 – 14.30

COMPETITION ARENA	Map GRAN ALACANT - SANTA POLA, 16 Km from Villa Universitaria. GPS Position: N 38° 13'29.08" O 0° 31'56.57" Altitude 98 m.
FIRST START	08.30, 2 minutes Start interval. Even minutes for men; odd minutes for women
TRANSPORT	07.00 First bus. Organizer's transport to start area is mandatory to all competitors and team delegates. They will be carried on buses step by step from Villa Universitaria. A list of complete timetables and runners will be hand out in technical meeting every day. Manager teams may go with their team to the start area or to go directly to finishing line.
PRE-STARTS	Pre-start area will be the place for bus arrivals. A large tent to change will be available. There will be toilettes for competitors. Competitors will leave their bags in a tent. A special tent will be available for competitor's bags and a transportation service will be provided to take it from the pre-start area to the finish area. Start time for each runner, -5' Before pre-start time, a warm-up map with 3 o 4 points will be available.
START	Classical format -3, -2, -1.
MAP	New map created in September 2011. Scale 1:10000 Contour interval 5 M. Size A4. Mapped by Santiago del Moral Durà (Spain) Checked in May 2012.
TERRAIN DESCRIPTION	Land forms: Level terrain crossed by steep watercourses and impassable in some cases; with height difference up between 20 and 70 meters. Lot of small contour details and a presence of a large number of

	<p>stones and rocks. Urban areas. Vegetation Mediterranean low pine forest and limited visibility. Clearing areas due to rocky outcrops. Farming areas but deserted. Terrain Soft terrain but rubbery due to the presence of stones, rocks and ravines. Visibility Good but limited in Mediterranean pine areas and weeds. Roads and paths Walking areas with tracks and paths and few roads.</p>					
CONTROL DESCRIPTIONS	Control descriptions are printed on the map. Separate control descriptions will be available at pre-start (Minute -2 at start)					
COURSE PLANNER	Santiago del Moral Durá					
COURSE INFORMATION	LENGTH	CONTROLS	CLIMB	EXPECTED WINNING TIME	REFRESHMENT CONTROLS	
	W 21	4010 m	15	125 m	35'	60%
	M21	5360 m	19	180 m	40'	60%
RADIO CONTROLS	There are 4 radio controls, 2 in field, 1 in start area and 1 in finishing line.					
SPECTATORS CONTROL	There will be no spectator's control					
REFRESHMENT	Plain water will be available at the start area and after finish. Only a refreshment area will be available during the event in controls. It will be forbidden to take bottles out of refreshment areas.					
FINISH AREA	A transport service will be provided from the pre-start area to the finish area for competitor's bags. Coaches and team delegates that leave start are allowed to take the bus from the start area to the finish area, but they cannot then go back to the start areas. An Orienteering material shop will be available. A shop and a food place will be available for competitors.					
AWARD CEREMONY	14.30 An official area will be available for award ceremony in start area and the raising of the flags of winning teams.					
TRANSPORT	After the award ceremony, the Organization will supply buses to come back to the "Villa Universitaria".					
TECHNICAL MEETING	The technical meeting will be held at 18.00 in Villa Universitaria in order to prepare the Relay Event. Numbers, starting time and buses timetables will be communicated and handed out.					

RELAY

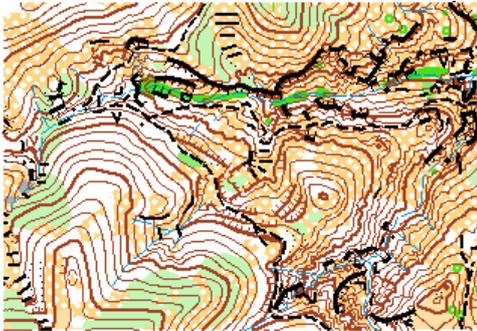
Friday, July 6, 08.30 – 12.00

COMPETITION ARENA	Map CAP DE L'ALJUB, BARRANC DEL SALT Y GRAN ALACANT - 16 Km from Villa Universitaria. GPS Position N 38° 30'01.80" O 0° 36'00.45" Altitude 100 m.
TRANSPORT	07.00 Organizer's transport to start area is mandatory to all competitors and team delegates. They will be carried on buses step by step from Villa Universitaria

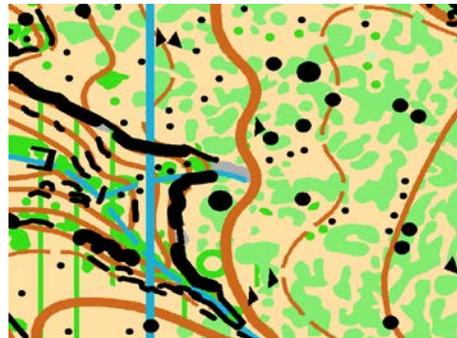
START	First runners go en masse from start area. 8.30 Men 9.00 Women					
SPECTATORS CONTROL	There will be a spectator's control where all runners go past and relay runners come in the area.					
RELAY AREA	A restricted area will be only available for relay runners. They will carry out the relay by shaking their hands.					
MAP	Three maps: 1. New map Scale 1/10000 Contour color 5 M. Created in September 2011 (GRAN ALACANT) 2. Two maps CAP DE L'ALJUB Y BARRANC DEL SALT. Both maps have been published on the website and used previously. Created in October, November 2009. Size A4 Santiago del Moral Durà. Checked in May 2012					
TERRAIN DESCRIPTION	<p>Land forms Level terrain crossed by steep watercourses and impassable in some cases; with height difference up between 20 and 90 meters. Lot of small contour details and a presence of a large number of stones and rocks. Urban areas.</p> <p>Vegetation Mediterranean low pine forest and limited visibility. Farming areas but deserted.</p> <p>Terrain Soft terrain but rubbery because of the presence of stones, rocks and ravines.</p> <p>Visibility Good but limited in Mediterranean pine areas and weeds.</p> <p>Roads and paths Walking areas with tracks and paths and few roads.</p>					
CONTROL DESCRIPTIONS	Control descriptions are printed on the map.					
COURSE PLANNER	Héctor Estévez y Antonio Gil					
COURSE INFORMATION	LENGTH	CONTROLS	CLIMB	EXPECTED WINNING TIME	REFRESHMENT CONTROLS	
	W 21	5400 m	18	150	35' – 40'	1 control area
	M21	6500 m	18	190	40' – 45'	1 control area
RADIO CONTROLS	There are 4 radio controls; 2 in field, 1 in start area and 1 in finish area.					
REFRESHMENT	Plain water will be available at the start area and after finish. Refreshment area will be available during the event in controls. It will be forbidden to take bottles out of refreshment areas.					
FINISH	Only the third relay runner will cross the finish area. All runners must unload their sportident clip in unloading areas.					
AWARD CEREMONY	12.00 An official area will be available for award ceremony in start area and the raising of the flags of winning teams.					
TRANSPORT	After the award ceremony, the Organization will supply buses to come back to the "Villa Universitaria".					

MAPS

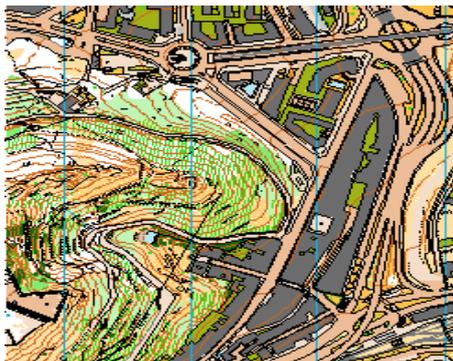
Competition: Long distance
Scale, 1:15000
Level curves 5 m



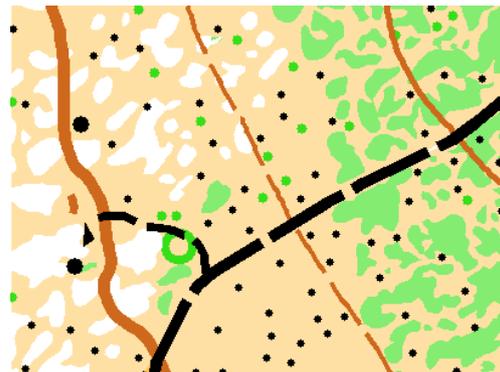
Competition: Middle distance
Scale, 1:10000
Level curves 5 m



Competition: Sprint
Scale, 1:4000
level curves 5 m



Competition: Relay
Scale, 1:10000
Level curves 5 m



PICTURES

Long distance



Middle and Relay



Sprint

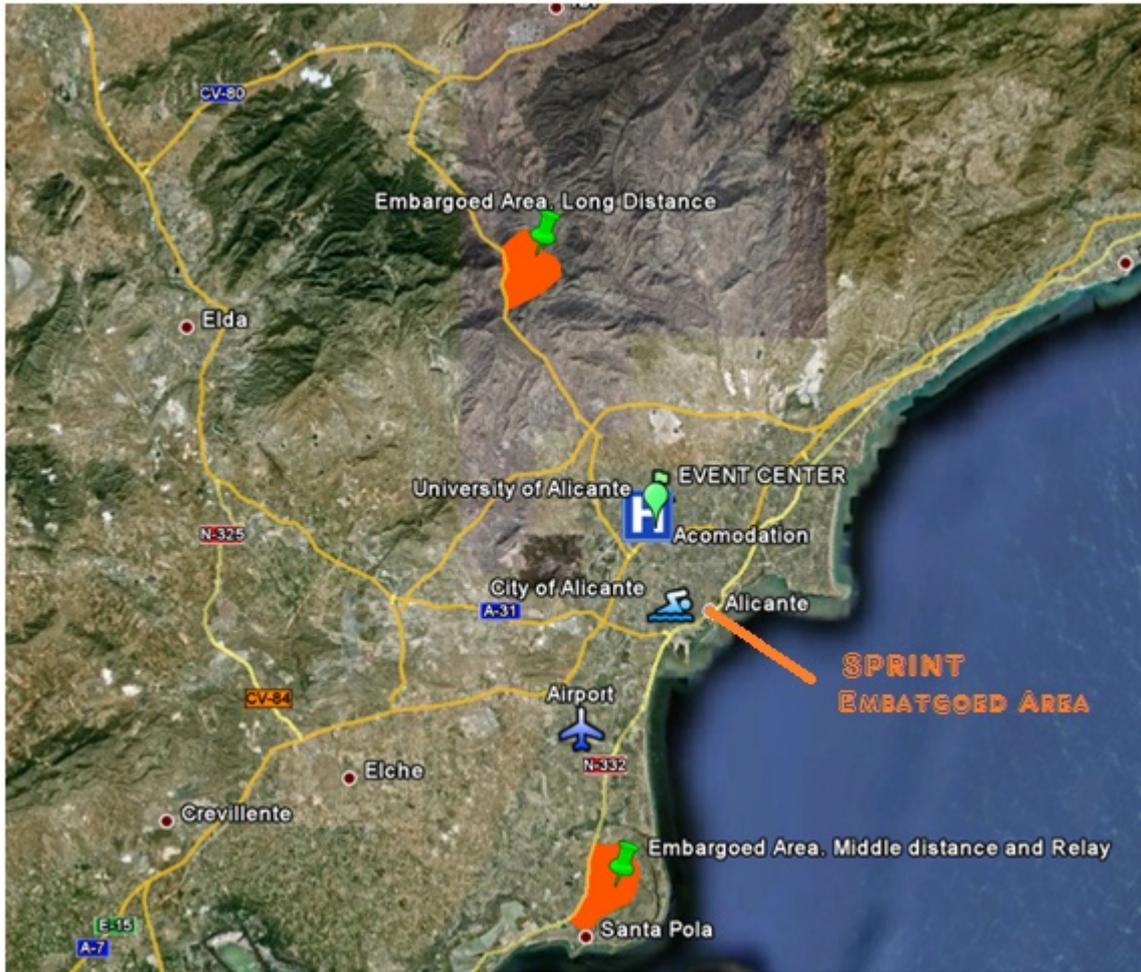


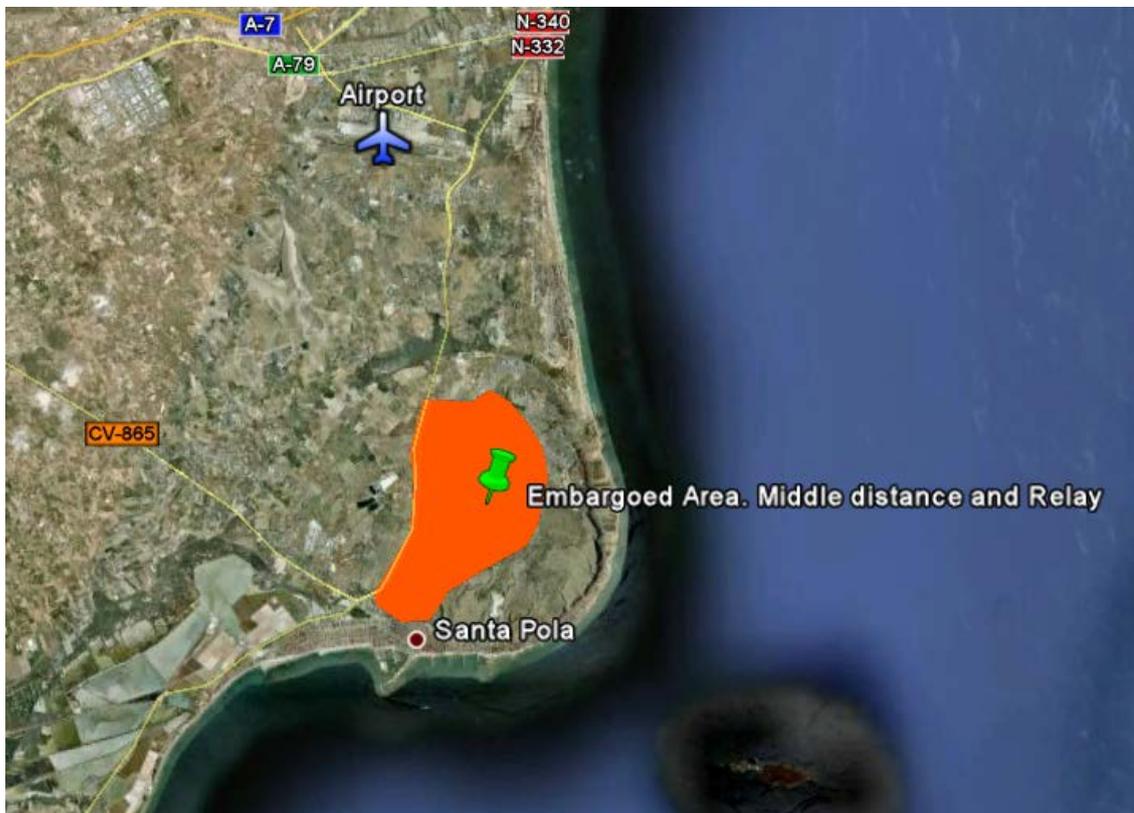
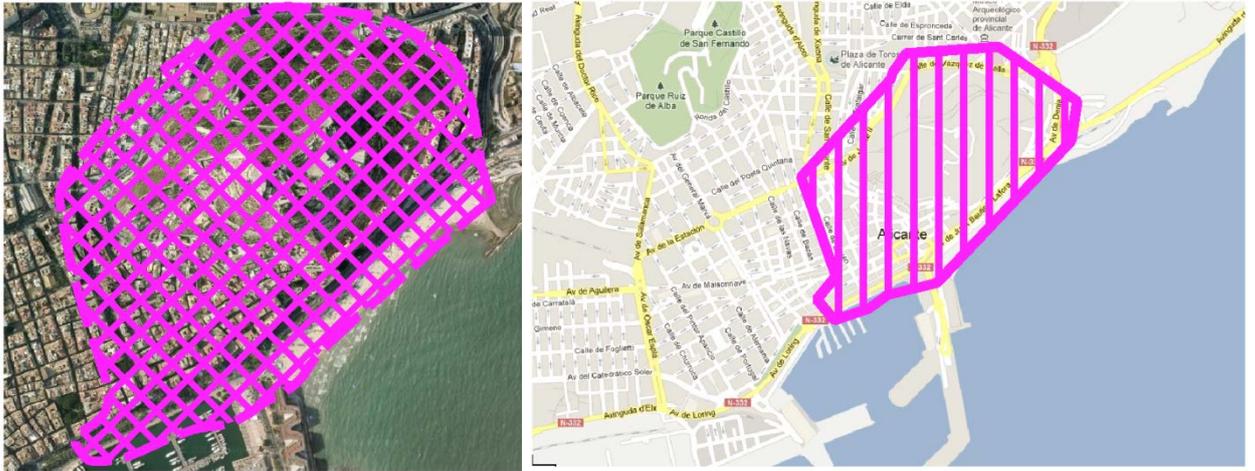
OLD MAPS



EMBARGOED AREAS







TERRAIN DESCRIPTION

Long distance	
Land forms	It is a very uneven, steep terrain, typical of most of the lands in the Mediterranean Basis.
Vegetation	Semi-open forest. Generally composed of pines and Aleppo pines.
Ground	There are many rocky elements in trough. A 20% of map is dotted with farm land.
Visibility	Good run-ability in the most of the map.
Roads and paths	There are impassable ravines because of slopes and vegetation.
Middle distance	
Land forms	Great slopes.
Vegetation	The vegetation consists of low Mediterranean pine which makes the way of progress difficult.
Ground	It is an area with large rocks, but we have just drawn those are greater than a meter.
Visibility	Varies from very good to good
Roads and paths	A 30% of the forest in map is open and crossed by several rent ravines.
Relay	
Land forms	Terrain with great slopes.
Vegetation	Low Mediterranean pine which makes the way of progress difficult.
Ground	An area with large rocks.
Visibility	Varies from very good to good but limited in dense areas.
Roads and paths	A 30% of the forest in map is open and crossed by several rent ravines.
Sprint distance	
Land forms	Mostly flat but some parts with steep sloops
Vegetation	Urban areas
Ground	Mostly firm and dry. Steeper parts may be slippery in wet conditions.
Visibility	Very good
Roads and paths	Developed network of city roads and paved bicycle paths

TRAINING CAMP

It will consist of 5 maps in 5 days.

All training will consist of pre-marker of a series of points to keep linear format and with option to cut or use Score format.

The map will be provided in advance and pre-markers will be mounted and available from 9 o'clock AM to 21h PM within a day previously scheduled.

TRAINING OPPORTUNITIES

Map – training areas have been designated as official training areas for teams participating WUOC 2012. The maps have been revised in the period 2010. The training areas have been selected on the basis of relevance for the competitors. The structure of terrains is of similar nature, except for Sprint.

Maps can be purchased laser-printed. It is also possible to purchase a CD-rom with the maps in JPEG format and PDF format. The map files may be used for course planning with appropriate software for printing maps and courses.

All controls set out in training areas must be labelled with the name of the group and dates when the controls are put out or removed. If any help is needed to organize separate training camps, other than the official ones, please send an e-mail to ofi.esport@ua.es

Prices

Laser-printed maps, without training event, per copy: 3 EUR

Laser-printed maps with controls, per copy: 5 EUR

Map files in JPEG format and PDF format, per cd: 100 EUR

We can also offer to set out controls in the forest: per training event, per team: 40 EUR + maps.

1. Monday, June 25
C.O. San Joan. Map las Dunas de Guardamar
2. Tuesday, June 26
C.O Villena. Plano de Sax
3. Wednesday, June, 27
C. O. Universidad de Alicante. Map El Molar
4. Thursday, June, 28
C. E Colivenc. Map La Quitranera
5. Friday, June, 29
Amics de les Muntanyes. Plano San Pascual

Location of the training maps and map characteristics

