

Trail-O

Management using Sportident, manual or mixed



Trail-O. A definition

- It is a sport that includes interpretation of map and terrain
- Competitors visit control points marked on the terrain generally in an established sequence
- Using the map, with the help of a compass, choose which of a series of flags represents the one in the center of a printed circle, as defined by the control description
- This decision must be recorded

Courses format

- PreO. Consists on a set of normal controls and another set of timed controls (which are put in groups)
- TempO. Consists on timed controls only (put in groups)

*El cronometraje se refiere a registrar el tiempo empleado en tomar la decisión

Participation categories

- Open. No distinction is made between sexes, ages or physical ability
- Paralympics. Only competitors who have a permanent disability that significantly reduces their mobility

PreO results

- Normal control answered correctly sums 1 point
- Timed controls (per group)
 - Max time available = 30 sec. x #controls
 - The answers and the time invested are written
 - Each incorrect answer = penalty of 60 sec.
 - No answer = error
- Clasification: by points; equal points, by sum of time in timed controls

TempO results

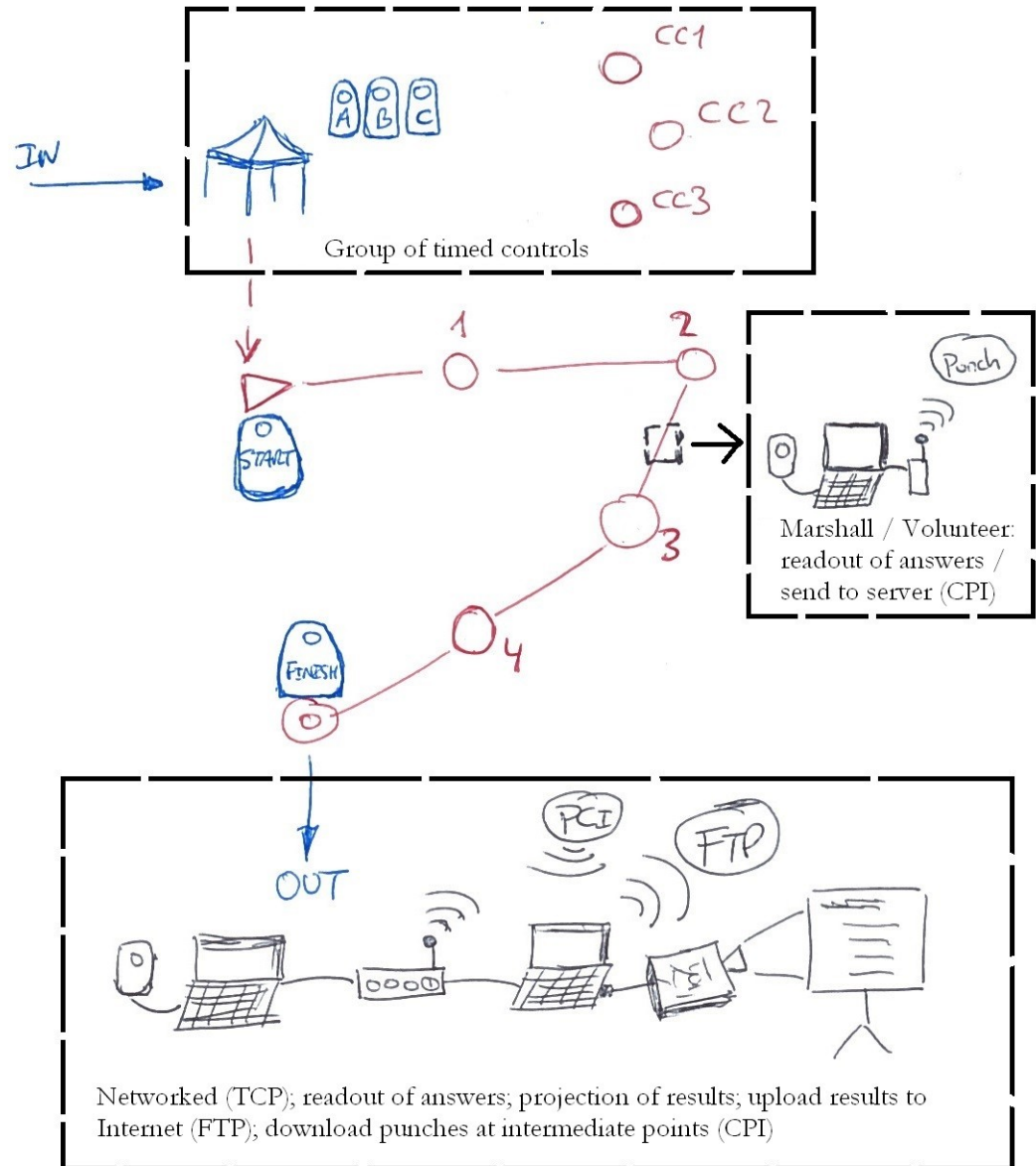
- Timed controls (per group)
 - Max. Time available = 30 sec. x #controls
 - The answers and the time invested are written
 - Each incorrect answer = penalty of 30 sec.
 - No answer = error
- Clasification: by sum of time of all timed controls

Other considerations

- Time limit to make the course
- Exceeding the time limit involves penalizing a number of points for each block of minutes exceeded
 - For example, 1 penalty point for each 5 minutes
- The course can be declared in free order or in specific order
- Neutralizations can be set, for example to put groups of timed controls during the course

Management using Sportident

- Parameterization of SITiming ???
- Specific software: ControlOPrecision



ControlOPrecision. Download

- Material available from the following URL:
 - http://www.jaruori.es/compartir_en.html
- 3 downloading options:
 - Complete with JRE: files of the program + Java execution environment (JRE), so that it does not matter if Java is installed on the PC or not
 - Complete without JRE: only the program files. It depends on having Java already installed
 - Last changes: files to be overwritten when a program update occurs without having to download all the material again

ControlOPrecision. Instalation

- It consists only in saving the downloaded files in a location, eg. in [D:\ControlOPrecision](#)
- The program is executed through the batch execution file (ControlOPrecision.bat)
- The current distribution is prepared for Windows systems. The program works on Linux but needs a distribution that is not yet available for download

Ways of managing an event

- Manual. The answers are recorded by hand. Results calculated and displayed automatically
- Semiautomatic. Manual management. Configuration of the results template, scanning and automatic checking with manual confirmation
- Sportident:
 - Partial. Manual response annotation. Course time control with Sportident (only needs start and finish stations = 2)
 - Partial extended. Course time control with Sportident. Also with Sportident, timing and answers of timed controls (start and finish, plus start chrono in group, stop chrono in group and one for each answer (including no answer, X) = 11)
 - Total. Answers and times with Sportident readout

Template configuration

Gestión de resultados

Max.Opciones: Max.Controles:


Tam. X Celda: Tam. Y Celda:

Opciones		Posiciones X		Posiciones Y	
Num.Or...	Valor	Num.Or...	Valor	Num.Or...	Valor
1	A	1	173	1	7
2	B	2	257	2	89
3	C	3	340	3	171
4	D	4	424	4	256
5	E	5	508	5	340
6	Z	6	592	6	420
				7	501
				8	581
				9	664
				10	746
				11	825
				12	905
				13	986
				14	1068
				15	1148
				16	1227
				17	1309
				18	1388
				19	1469
				20	1549

PUNTO POR CONTROL DE CARRERA	PUNTO POR CONTROL DE CARRERA	PUNTO POR CONTROL DE CARRERA	PUNTO POR CONTROL DE CARRERA	PUNTO POR CONTROL DE CARRERA	PUNTO POR CONTROL DE CARRERA	1A	1B	1C	1D	1E	1Z
						2A	2B	2C	2D	2E	2Z
PUNTAJE FINAL						3A	3B	3C	3D	3E	3Z
TIEMPO FINAL						4A	4B	4C	4D	4E	4Z
FECHA DE LLEGADA	FECHA DE SALIDA	TOTAL TIEMPO ESPERA	RESERVA	C.C.1	C.C.2	5A	5B	5C	5D	5E	5Z
						6A	6B	6C	6D	6E	6Z
LEDA	SABO	LEDA	SABO	C.C.1	C.C.2	7A	7B	7C	7D	7E	7Z
						8A	8B	8C	8D	8E	8Z
C.C.1	C.C.2	C.C.3	C.C.4	C.C.5	C.C.6	9A	9B	9C	9D	9E	9Z
						10A	10B	10C	10D	10E	10Z
NOMBRE Y APELLIDOS	FEDERACION CLUB	CLASE	NOMBRE JORNAL	META DE CRONOS	NOMBRE Y APELLIDOS	11A	11B	11C	11D	11E	11Z
						12A	12B	12C	12D	12E	12Z
ORIENTACION DE PRECISION	FEDERACION CLUB	CLASE	NOMBRE JORNAL	META DE CRONOS	NOMBRE Y APELLIDOS	13A	13B	13C	13D	13E	13Z
						14A	14B	14C	14D	14E	14Z
ORIENTACION DE PRECISION	FEDERACION CLUB	CLASE	NOMBRE JORNAL	META DE CRONOS	NOMBRE Y APELLIDOS	15A	15B	15C	15D	15E	15Z
						16A	16B	16C	16D	16E	16Z
ORIENTACION DE PRECISION	FEDERACION CLUB	CLASE	NOMBRE JORNAL	META DE CRONOS	NOMBRE Y APELLIDOS	17A	17B	17C	17D	17E	17Z
						18A	18B	18C	18D	18E	18Z
ORIENTACION DE PRECISION	FEDERACION CLUB	CLASE	NOMBRE JORNAL	META DE CRONOS	NOMBRE Y APELLIDOS	19A	19B	19C	19D	19E	19Z
						20A	20B	20C	20D	20E	20Z

Scanning / Checking

Gestión de resultados


 SiCard: 2009994 Salida: 17:49:05 Llegada: 17:52:05 Tiempo (min.): 3

Dorsal: 101 [Buscar] [Calcular] [Grabar] [Limpiar]

[Marcajes]

T.Crono: 19.5 T.Penalización: 0 P.Penalización: 0 P.Correcto: 18 Informe extendido

Incluir respuestas correctas

Estado: OK Imprimir recibo Simple

Num.Or...	Respue...	Num....	t1	t2	t media	Num.Orden	Respuesta
1	B	1	19	20	19.5	1	A
2	Z					2	B
3	B					3	C
4	A						
5	D						
6	A						
7	Z						
8							
9	B						
10	Z						
11	B						
12	C						
13	C						
14	B						
15	Z						
16	A						
17	A						
18	Z						
19	A						
20	B						
21							
22							

DE CARRERA	PUNTOS POR CONTROLES CRONOMETR.	PENALIZACIÓN POR TIEMPO DE CARRERA	1A	1B	1C	1D	1E	1Z
			2A	2B	2C	2D	2E	2Z
SITUACIÓN FINAL			3A	3B	3C	3D	3E	3Z
TIEMPO FINAL			4A	4B	4C	4D	4E	4Z
HORA DE SALIDA	TOTAL TIEMPOS ESPERA	PENALIZACIÓN C. S.	5A	5B	5C	5D	5E	5Z
			6A	6B	6C	6D	6E	6Z
LLEGADA	SALIDA	LLEGADA	7A	7B	7C	7D	7E	7Z
1		2	8A	8B	8C	8D	8E	8Z
C			9A	9B	9C	9D	9E	9Z
B			10A	10B	10C	10D	10E	10Z
A	19	20	11A	11B	11C	11D	11E	11Z
		19.5						

[Origen] [Escanear] [Examinar...]

[Ajustar] [Ajuste manual] [Grabar] [Procesar] [Comprobación manual]

Program configuration

- Event. Description, initial date/time, type
- Serial port. Link to readout station. Optional if Sportident is not used
- Template. Parameterization of the answer sheet. Optional if the answer sheet is not scanned
- Remote servers:
 - Use of several networked PCs; for ex. 1 for readout, another for results, checkings, graphism
 - Radiocontrols. Readout in the middle of a course, sending to radiocontrols server and provisional results update during the competition
 - Results upload by FTP. For direct publishing
- Graphism. Generation of images with intermediate results to be incorporated on a live video streaming

Event configuration

- Categories
 - Basic. Name, number of groups, number of controls
 - Extended. Time limit, penalties for excess, points for a correct answer, mandatory linear route, not answered, rectifications, timing of the timed groups
- Clubs. It can be fed when importing the participants
- Answers for normal controls. Answer options, code of the Sportident station associated to each answer
- Groups of timed controls. Limit, penalty if exceeded, code of the station for each answer
- Timed controls
 - Basic. Options, correct answer, group to which it belongs
 - Extended. Points, penalties, time limit, code of the station for each answer (if treated individually, not by group)
- Participants. Bib#, name, SiCard, start time, category, club
 - It can be imported from a CSV file in OE2010 format (this is because our registration system offers such type of file to the organizer once the registration period ends)

Follow-up. General panel

- SiCard reading
- Participant search, calculation of results, list of punches, view of results, ticket printing options
- Annotation of answers: normal, groups of timed controls, timed controls

Gestión de resultados

SiCard: 2009994 Salida: 17:49:05 Llegada: 17:52:05 Tiempo (min.): 3

Dorsal: 101 [Buscar] [Calcular] [Grabar] [Limpiar] [Marcajes]

T.Crono: 19.5 T.Penalización: 0 P.Penalización: 0 P.Correcto: 18 Informe extendido
 Incluir respuestas correctas
Estado: OK Imprimir recibo Simple

Num.Or...	Respue...	Num....	t1	t2	t media	Num.Orden	Respuesta
1	B	1	19	20	19.5	1	A
2	Z					2	B
3	B					3	C
4	A						
5	D						
6	A						
7	Z						
8							
9	B						
10	Z						
11	B						
12	C						
13	C						
14	B						
15	Z						
16	A						
17	A						
18	Z						
19	A						
20	B						
21							
22							

Follow-up. List of results

- It shows a classification
- Writes in HTML. It allows to export and to print
- It can be run at the same time as the follow-up general panel
- Automatic and periodical refreshment of the results

Listado de resultados

Informe extendido
 Incluir respuestas correctas

Refrescar tras (min.)

Lugo 2017, 08/04/2017

Categoría: Open

Posición	Dorsal	Nombre	Club	Puntos	Tiempo
1	2	Pedre Fernández, Natalia	APA LICEO	3	15.5
2	1	Arufe Varela, Javier	APA LICEO	1	79.00

Arrancar Imprimir resultados Exportar CSV

Listado de resultados

Informe extendido
 Incluir respuestas correctas

Refrescar tras (min.)

Lugo 2017, 08/04/2017

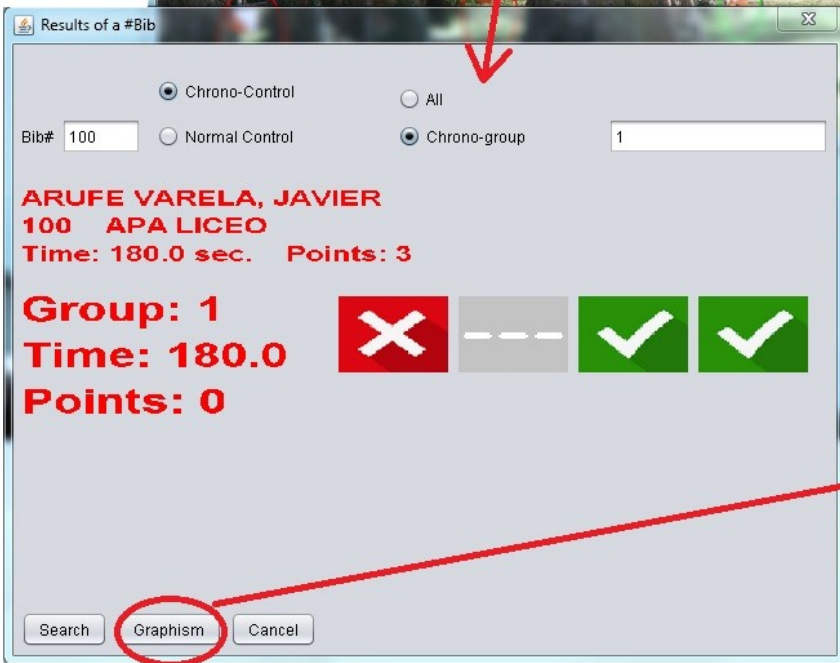
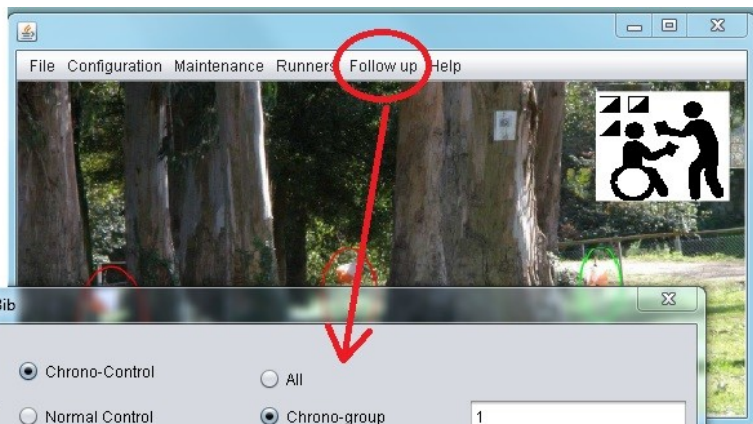
Categoría: Open

Posición	Dorsal	Nombre	Club	Puntos	Tiempo	P.Correcto	P.Penalización	Tiempo (min.)	Grupo-crono1										T.Crono	T.Penalización	
									1	2	3	4	5	6	7	8	9	10			
1	2	Pedre Fernández, Natalia	APA LICEO	3	15.5	4	1	51	A	A	A	B	B	D	A	A	Z	B	15.50	0	
2	1	Arufe Varela, Javier	APA LICEO	1	79.00	1	0	20	B	Z	B	A	D	A	Z	-	B	Z	A	19	60

Arrancar Imprimir resultados Exportar CSV

Results for a graphism

- From the list of results or from the results of a bib number
- It generates an image with transparency that can be placed over other graphical content, like a live video streaming

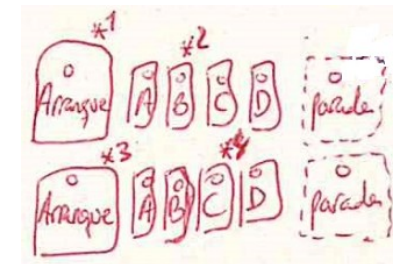
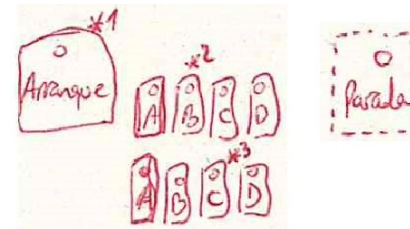


Timed controls groups management

- A. PreO with unique timing of all controls of the same group
 - Actually used by FEDO
 - Art. 16.15 of IOF rules
- B. TempO with unique timing of all controls of the same group
 - Art. 16.16 of IOF rules
- C. PreO with Start & Stop for each control of the same group
 - Art. 24.2 of IOF rules

Sequence of punches by mode

- A. Stations are not shared. Global timing to the group
- B. Stations are not shared. Individual timing to each control of a group
- C. Stations are shared. Global timing to the group
- D. Stations are shared. Individual timing to each control of a group



Recommended sequence of punches

- Corresponds to previous case C (share stations, global timing)
- First timing, then punching
- At beginning, punch start station
- Answers are written on paper. When hearing last answer, punch stop station. Manual timing could also be done, in case of disputes or errors
- Punch first answer; punch start; punch second answer; punch start; punch third answer
- It could be good to have an additional station, with the same number as start, but with label “Change” to mean that is the station that makes the change between answers. So, punch first answer, Change, second answer, Change, third answer

In the must have...

- Non-professional finishing, lack of robustness in the handling of all windows and data
- Customizing the results screens
- Does not include the management of relay events or accumulated results of several days

To keep in mind...

- In each field, write the kind of value that is expected (if number, a number, etc)
- SI-11 and SIAC cards emit light and sound signals after punching. During that time they do not allow to punch again. Problem facing several timed controls in the same group
 - You can use the old Si-Config to reduce the time of those signals
 - Organizer can make the timing first and punch the answers later on, all with Sportident (see slide about recommended sequence)