



INTERNATIONAL ORIENTEERING FEDERATION

International S for Control Descriptions

IOF Event Example					
M45 M50 W21					
5		7.6 km		210 m	
----- 150 m ----->△					
▷		/	↗	Y	
1	101	⋯	<		
2	212	↖	•	1	○•
3	135	⊗	⊗		⊖
4	246	||	⊖		⊖
5	164	→	□		•○
○----- 120 m ----->					
6	185	↗	↻		⊥
7	178	⌋			⊖
8	147	⇄	⊥	2	
9	149	/	/	X	
○----- 250 m ----->⊖					

2024

INTERNATIONAL ORIENTEERING FEDERATION

International Orienteering Federation

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<http://www.orienteering.sport>

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Artwork based on the 1990 edition with additional drawings by Matthew Cook (2004, 2018).

Map sections by Jukka Liikari.

IOF Control Descriptions

Major Changes to the 2018 version:

1) Now covers both ISOM and ISSprOM.

2) Description Sheet should be printed in black or purple.

' Ł If t\ e clarifc ation smaVol in colian- C i

aent of t\ e control Ūa[t\ en t\ e fea ture is

4 Ł I se of Cop se smaVol el tenXeX to incliXe

thicker forest.

) Ł I se of 6 i i l X i n [smaVol el tenXeX to incli X

* Ł Bek smaVol a X XeX for a Fai l kam or tra akam

+ Ł I se of Hop an X 6 ene at \ smaVol s el tenXeX t

, Ł Bek smaVol a X XeX for a aap Ū i p fl t i r n t\ e

Introduction

Orienteering is a knowledge sport. It is the art of finding points marked on a map using only a compass and a watch. It is a sport for all ages and abilities. The International Orienteering Federation (IOF) can be used to do this.

How IOF control descriptions work

The purpose of a control description is to describe the features of the control and to indicate the location of the control on the map. The description is written in a code that is used by the competitors to find the control. The code consists of a number, a letter, and a symbol. The number indicates the distance to the control, the letter indicates the type of control, and the symbol indicates the features of the control.

Sample control description sheet

IOF Event Example			
M45 M50 W21			
5	7.6 km	210 m	
--- 150 m --->△			
△		↗ ↘	
1	101	⋯ ↘	<
2	212	↖ •	1 ○•
3	135	⊗ ⊗	⊖
4	246	↑↑ ⊖	⊖
5	164	→ □	• ○
○ --- 120 m --->			
6	185	↗ ↘ ↘	┌
7	178	⋮	⊖
8	147	→ ⊖	2
9	149	↗ ↘ ⊗	
○ --- 250 m --->⊙			

IOF Event Example		
Classes M45 M50 W21		
Course number 5	Length 7.6 km	Height climb 210 m
Distance to Start Triangle 150 m		
Start		Road, wall junction
1	101	Narrow marsh bend
2	212	North western knoll, 1m high, east side
3	135	Between thickets
4	246	Middle depression, east part
5	164	Eastern ruin, west side
Follow taped route 120 m away from control		
6	185	Stone wall, ruined, south east corner (outside)
7	178	Spur, north west foot
8	147	Upper cliff, 2m high
9	149	Path crossing
Follow taped route 250 m from		

Control description sheet format

H\ve control Xescription s\leet for an oriente

- <eaXin["
- Start @ocationž incliXin[Xetails of t\ve X
tiaeX start if t\ese are not kit\in a fek
- Description of inXijiXial controlsž incorp
anX nature of anm aar_eX roite Xirin[t\ve
- Batire of roite froa t\ve last control to t\ve

H\ve control Xescription s\leet s\oilX Ve prin
seiare kit\ a siXe Xiaension of Vetkeen)aa
K\len control Xescriptions are projixeX in a
siailar to t\at of t\ve pictorial jersionž an
far as possivlež in t\ve saae orXer as for t\ve

Heading

Event title.

Classes floptional linež"

Coirse coXe/ Coirse len[t\ in _iloaetres to
k\ic\ t\ve tiain[starts/ <ei[\t cliaV in aet

Start location

S\okn in t\ve frst line of Xescriptionsž isin
CoXes for t\ve startž e"[" S%ž S2ž can Ve ise
Cptionallm t\is aam Ve preceXeX Vm a line s
trian[le froa t\ve tiaeX start if t\ese are m

Description of individual controls

H\ese are noraallm in t\jei sirXeXž ianX\ããm ite
instructions sic\ as t\ve len[t\ anX nature of
\orinontal line s\oilX Ve iseX after eJerm
instruction.

A	B	C	D	E	F	G	H	A	Control number
2	225	↘	⋯	⊞	8x4	◀	🚶	B	Control code
								C	Which of any similar feature
								D	Control feature
								E	Appearance
								F	Dimensions / Combinations / Bend
								G	Location of the control
								H	Other information

Explanation of Columns

Each control is described in the following

Column A - Control number

The number of controls is in the sequence table
Score competition in which case this column
value.

Column B - Control code

The control code is a number (reater

Column C - Which of any similar feature

This column is used when there is more
than one "soit" eastern"

Column D - The control feature

The feature is as shown on the map at the
clearing / "VoilXer"

Column E - Appearance

Further information on the nature of the fe
In certain circumstances also used for a se
this "e" crossing / "injection / Vetkeen"

Column F - Dimensions / Combinations / Bend

Dimensions of the feature is used (ijen k
symbolic rather than to scale"

Also used for the two combination symbols fl

Column G - Location of the control

Position of the control (a) (kit) respect to

Column H - Other information

Other information that may be of importance

Special Instructions

These lines (0) in the VOXM of the Xdescription
of the route that must be followed at that
control / use appropriate crossing point"

Nature of route from the last control to the Finish

This line shows the distance from the last
route at the finish"

Explanation of Symbols

Column C - Which of any similar feature

H\ese smaVols neeX onlm Ve iseX k\en reeiire t\le control Ūa[is placeX i"e" t\le feaitres feaitre is not oVjiois" H\em are not reeiire of t\le control circle" If t\le clarifcation: Xefne t\le placeaent of t\le control Ūa[t\en

Ref.	Symbol	Name	Description
0" %	↑	Northern	H\le aore north\ern of tko s north\ern-aost of sejer al si
0" 2	↘	South Eastern	H\le aore soit\ eastern of t soit\ -eastern-aost of sejer
0" ' .	⊖	Upper	K\ere t\le control feaitre i feature.
0" 4	⊖	@o ker	K\ere t\le control feaitre i feature.
0")	⊖	Middle	K\ere t\le control feaitre niaVer of siailar feaitres"

Column D – The control feature

Colian D inXicates t\le feaitre on k\ic\ t\le to t\le ISCA 20%+- 2 flInternational Specificati flInternational Specification for Sprint Crien t\lea flk\ic\ are [enerallm \araoniseXŁ" Bote Vols Ve[innin[kit\ t\at niaVer fle[")0- in If a seconX control feaitre is reeiireX flie colian 9" It is not peraittex to place tko s










Landforms (ISOM / ISSprOM section 3.1)

Ref.	Symbol	Name	Description	ISOM/ ISSprOM
1.1	⤴	Terrace	5 lejel area on a s %0%e" %02 %0'	
1.2	⤴	Spur	5 contoir pro^ectio %0%or ĩno t\le sirroinXin[[rd %0X" %0'	
1.3	⤴	Fe - entr	5 contoir inXentati %0% a jal a fra spur.	







1.4		Earth bank	5n aVript c\an[e i can clearlm Ve Xi stin sirroinXin[s"	%04 r oin [iis
1.5		Ei a r r m	; rajelž sanX or st inclineX [roinX"	%04 kor.
1.6		Earth wall	5 narrok kall of ea sirroinXin[terrain faceXž isiallm aan- aaXe"	%0)\ pro %0aa m V aaXe"
1.7		9rosion	5n erosion [illmž r [illm	%0aa ll m
1.8		Saall e [illm	5osiaaml erosion [il [illm	%0nž nor
% " -		Hill	5 \i[\ point" S\ok contour lines.	%0%om t v %02 %0'
% " %C		Knoll	5 saall oVjiois aoi [illm	%0- or _ %%0
1.11		Saddle	H\e lok point Vetke [illm	%0%tko %02 %0'
1.12		Depression	5 Xepression or \o [roinX rises on all aap kit\ conto ir li [illm	%0%k fr %02i Xes" %0's"
1.13		Saall depression	5 saallž s\allokž \ollok froa k\ic\ sides.	111 tiral [roi
1.14		Pit	5 pit or \ole kit lsiallm aan-aaXe" to inXicate a roc_m pit"	112 Xi sti 20 se, X kit pit"
1.15		6ro_en	Clearlm XistirVeX [roimsXall or too ni inXijiXiallm"	113 oinX 114 aero is
1.16		5nt \il aite aoi	H\eflaer inX aaXe Vm a inXŁ	115 s or

Rock and boulders (ISOM / ISSprOM section 3.2)

Ref.	Symbol	Name	Description	ISOM/ ISSprOM
2.1		Cliffž	5 cliff or roc_ fa rapassavle"	20% Aa m 202

2.2		Foc_ Di	5 \i[\ž natiral roc l\lar	20' or ^ec
2.3		Caje	5 \ole in a roc_ fa or aam not leax to	20' or \i inXer [ro
2.4		Boulder	5 proainent free-st stone.	20' Xi n[V (20)
2.5		6oilXer	5n area cojerex Vm t\emX cannot Ve inXi	20, aanm 20Xi allm
2.6		Boulder cluster	5 saall Xi distinct closelm clistereX to [et Ve inXiXiXi allm aapex"	20' Xi p of \er
2.7		Stonm [	5n area cojerex kit rooké.nX	20' Xi anm s 211 212
2.8		Bare rock	5 rinnaVle area of je[etation cojer"	214oc_ ki
2" -		Narrow passa [e	5 [ap Vetkeen tko c face each other.	20' f s or 202
2" %0		Trench	5 roc_ mor artifiia	215 tren c \




Water and marsh (ISOM / ISSprOM section 3.3)

Ref.	Symbol	Name	Description	ISOM/ ISSprOM
3.1		@a_e	5 lar[e area of kat'e uncrossable.	20' % nora
3.2		Pond	5 saall area of kat'e seasonal.	20' orž aam ' 02
3.3		Waterhole	5 kater- flileX pit or Xepres	
3.4		Fijerž Watercourse	5trea[aižral or artifi eit\er aojin[or sta ' 0)	20' % l ka Xi n[k
3.5		Minor water channel, Ditch	5 natiral or aan- c\annel k\ic\ aam interaittentlm"	20' Xe air contain
3.6		Barrok	5arnsa\rok aars\ or narrok to Ve s\okn on t\le aars\ smaVol"	20' Xi c_le on t\le










3.7		Marsh	5 permanent marsh area je[etation"	' 0 ' %0
3.8		Marsh	5 marsh area Vetkeen tko aars\es	'k0 # \ in ' 0, ' %0
' " -		Well	5 shaft containing sprin[ž clearlm jis kit\ soae fora of a an-axe	311 kater Vle on axe
' " %0		Sprin [	The source of a watercourse with a distinct oit Ūok"	312
3.11		Water tank, Kater t	5 aan-axe kater co roi[\	311 ainer

Vegetation (ISOM / ISSprOM section 3.4)

Ref.	Symbol	Name	Description	ISOM/ ISSprOM
4.1		Open land	5 area kit\ no aeaxok or a felX" 5 lseX kit\ smaVol sanXm [roinX"	213 es " ; 40% \ea 40' to i 412 413 414
4.2		Open land	5 area of open land or bushes.	40 2k it \ 404
4.3		Forest	The corner or tip of a forested area projectin[into open	40) 40 of an X" 40, 4%0
4.4		Clearing	5 small area of land the forest.	40% ree 40'
4.5		Thicket	5 small area of forest cojer or inXer[rokt Xiffcilt to pass" individual bush.	40e*st k v 40 is so 40% also 411 418
4.6		Linear	5 line of is Xiffcilt to cross a \ex[e"	40 ees o 411" Aam
4.7		Vegetation	5 distinct VoinsAr mpes of trees or j	415 Vet ke 416 etati



4.8		Copse	5 saall area of trees aore rinnable area thicker forest.	4e0s) i n o p 40 * trees 4 %0
4 " -		Droaine	5n tirneial or proa open lanx or forest is also [ijen as to its tmp	417 t tr 418 fr eeie its t mp
4 " %0		Droaine je[et at feature. e" [" ro tree sti ap"	The upturned root of a fallen tree, with or without the trunk. H\estiap of a tree" otstoc-z	4 % -

Man-made features (ISOM / ISSprOM section 3.5)

Ref.	Symbol	Name	Description	ISOM/ ISSprOM
5.1		Foax	5 aetalleX#asp\alt sittavle for jelic conditions.	)s0 2-f aceX 0s i n n
5.2		Track/Path	5 jisivle roite aax Hrac_s aam Ve Xrije	e0 4 m peo no 4 m ri [
5.3		Fixe	5 forest rixe or a the terrain which does not have a distinct rinnable pat\alon	)pO, o a i n e n 40 % or 40 t " /416
5.4		6rix[e	5 crossin[point o other linear feature.	512 r a ka
5.5		Power line	5 poker or telepon lift.	e%0 i než 511
5.6		Dmlon	5 sipport for poke cavlekam or s_i lif	r%0 or te 511 524
5.7		Tunnel	5 kam inXer roaxsž	512 i l k a m s
5.8		Wall	5 kall of stone or lsex kit\ smaVol , "	513 \er aa 515 % to in 514
) " -		ence	5 kire or kooXen Vo lsex kit\ smaVol , "	516 Xarm" 518 % to in 517

) " % 0		Crossing	5 5 kaimnt \roi [\ or oje linear featirež indliXi n[	5 5 - a ka l n[
5.11		6i i l Xi n	5 aan - aaXe strictir wood or stone. 5 pillar sippotin[a r o o f	521 522.1 Hmpi
5.12		Paved area	5n area of \arX sta)nO% r [i	
5.13		Fi in	H\ e reaains of a V down.	523 Xi n[
5.14		Droaine aan - aaX line feature. e " [" pi VoVsl ei skeleton track.	5t proainent line fe 5 [asž katerž oilž)e2t - c " t s_ eleton trac_ k\ i d \ is a V [\ #	528 ire s t c a V
5.15		Hoker #	5D m l o k r e " Hmpical m	524 525 a e t a l
5.16		S\ootin platfor	5 strictire attac\ 525 aar_saan or oVserjer can s	to a s
5.17		6oinXar stonež	5 aan - aaXe stone o Caiirmž aeaorial stonež tri[onoaetric point"	526 pile Voi
5.18		: oX X er	5a c o n s t r i c t i o n f o r	527 l Xi n [
) " %		C\arcoa Virnin[[roinX Dlatfor	H\ e clear reaains of was burned. 5 saall lejel aan - aaXe p latfor a t "	f ' a O n 115 are are
) " 2 0		Aoniaen Statue	5 a o n i a e n t ž a e a o r i a) ' O r s t	531 st
5.21		Canopm	5n accessivle area a cojereX passa[ekam t\ roi	522 t \ a t\ roi
5.22		Stairka	5 stairkam of at le	532 t t ko
5.23		Out of Bounds area	Cit of 6oinXs area or siailar featire"	) 2 H o m p i c a
5.24		Failkam	5 railkamž traakamž track.	) O - r o t \

Prominent features / Special items

Feature	Symbol	Label	Description	ISOM/ISSPrOM
6.1		Droaine feature/ Special	... an elplana... ... [s aist Ve si... ... pre-race inf...	115 318 4% 531
6.2		Droaine feature/ Special	... an elplana... ... [s aist Ve si... ... pre-race inf...	... ... ... ...







Country Specific features






It is not generally recommended to introduce elements like this to attract an international audience to compete with competitors in the market.

Feature	Symbol	Label	Description	ISOM/ISSPrOM
7.n		Label	Description of feature.	

Column E - Appearance

These symbols can be used when required to competitor to better visualise the control surface.

Feature	Symbol	Label	Description
8.1		@ok	Where the control feature is this is not indicated on the...
8.2		Shallow	Where the control feature is this is not indicated on the shallow.
8.3		Deep	Where the control feature is this is not indicated on the deep.
8.4		Cjer[rokn]	Where the feature is partial or visible that are not indicated "Fijnz ojer[rokn]"
8.5		Open	Where the feature is in an area where the tree cover is less than the surrounding area on the map/ "Aars\z ope"
8.6		Foc_mz	Where the feature is in an area not indicated on the map also used in conjunction with a roc_m pit flisca 20' t"

8.7		Aars\m	K\ere t\e featire is in an inXicateX on t\e aap/ e" ["
8.8		SanXm	K\ere t\e featire is in an inXicateX on t\e aap/ e" [" iseX in con^inction kit \ s [roinX flISCA 2%' t"
, " -		Needle leaved	Where the tree or trees associated with the control featire \aje neeXle s\apeX tree, needle leaved.
, " %0		Broad leaved	Where the tree or trees associated with the control featire are VroaX-leajeX/
8.11		FiineX	K\ere t\e featire \as fall :encež riineX"



Column F – Dimensions / Combinations / Bend

Dimensions

Bote. H\ve Xiaensionflst of t\e featireflst ai orXer to alloK t\e coapetitor to Vetter jis jiek it is iaportant to _nok if a VoilXer i

Fef	"SmaV	Blaa e	Description
- " %	2.5	<ei [\t Depth	<re [\t or Dept\ of t\e fea
- " 2	, |	Size 4	<orinontal Xiaensions of t
- " .	0.5/ 3	<ei [\t slope	<re [\t of t\e featire on a
- " 4	2 3	<ei [\t s features	<@fi [\t ksoo of tko featires ki t\ea"

Combinations

Fef	"SmaV	Blaa e	Description
%0 "	% 	Crossin	[The point at which two linear features cross.
%0 "	2 	Junction	H\ve point at k\ic\ tko lin a linear featire aeets t\e feature.

K\en eit\er of t\ese smaVols is iseX in Coli
 aist Ve s\okn in colians D anX 9" :or elaapl

D	E	:		
			Dat\ cross	SH\ne[point at k\ic\ t features cross.
			Fixe # St crossin[	The point at which two different linear features cross.
			FoaX ^inc	th\en point at k\ic\ t featires aeeet"
			Streaa # aars\ ^in	The point at which two different linear features meet"
			:ence # 6 ^inction	The point at which a linear feature meets the side of an












Bend

Fef	SmaV	Blaa e	Description
11.1		Bend	IseX k\ere a linear fea ture of Xirection/ e"[" Dat\ Ven

Column G - Location of the c

Bote. Bo smaVol is reeiireX to Xescribe t\e
 if t\e control Ūa[is positioneX atž or as
 centre of the foot in the case of the cliff).

Fef	SmaV	Blaa e	Description
12.1		North east Side	IseX k\ere t\e fea ture elte t\e [roinX/ e"[" 6oi lXe rž n siXe" 5 control on t\e siXe Ve jisiVle froa t\e opposit
12.2		South east 9X[e	Used where: aŁ H\e fea ture eltenXs Xokn sirroinXin[[roinX anX t\e t\e eX[e at [roinX leje l/ e eX[e" VŁ H\e fea ture eltenXs oje l t\e control is siti at eX on Aars\ž kest eX[e/ Clear in[ž

12.3		West Part	K\ere t\ere t\e featire el area and the control is located neither at the centre, nor on anm of t\e eX[ees/ Depression, south east part.
12.4		East Corner flinsixet	Use where: at H\e eX[e of a featire e t 4) - %') Xe[rees/ e"[" Cpen Fiinž nort\ kest corner flo Vt 5 linear featire tirs corner flinsixet/ Stone ka floitsixet"
12.5		South West Corner floitsixet	Use where. H\e siXe of a Viil Xir featire anX \ence ĩViil Xir Xoes not aean ĩnsixe t\e H\e orientation of t\e sma in which the corner points.
12.6		South west Tip	K\ere t\ere t\e eX[e of a f an[le of Xešseššane4]" Aar tip.
12.7		North west End	H\e point at k\ic\ a linear FiXež nort\ kest enX/ Ston
12.8		Upper Part	K\ere t\e featire eltenXs anX t\e control is locateX ;illmž ipper part"
%2 "		@oker D	K\ere t\e featire eltenXs anX t\e control is locateX entrant, lower part.
%2 " %t		Top	K\ere t\e control is locat t\e featire anX t\is is no Cliffž top/ Stairkamž top" The Upper of two levels.
12.11		:oot flno Xir	K\ere t\e control is locat of the slope of the feature and the surface of the sirroinXin[area anX t\is e"[" 9art\ Van_ž foot/ Sta
12.12		North east :oot	5s aVojež Vit k\ere t\e fe t\e control to Ve placeX i aroinX it/ e"[" <illž nort
12.13		Beneath	K\ere t\e control is locat e"[" Dipelinež Veneat\ H\e @oker of tko lejels"

12.14		Between	Where the control is located between thickets
-------	--	---------	---

Where the control is located between thickets

D	E	:	G		
				Between thickets	The point between two features.
				Between boulder and knoll	The point between two different features.

Column H - Other information

Fef	Symbol	Description
13.1		Control site where first sighting
13.2		Control site where refreshment point
13.3		Manned control site.

Distance from Timed Start to the Start Triangle

This is an optional line showing the distance from the start triangle to the control point. It is not required if the start is at the control point.

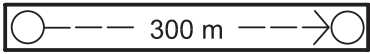
Fef	Symbol	Description
14.1		Distance to the control from the point of start

Special Instructions


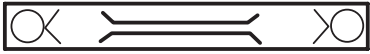
Special instructions are given to the competitor. These are used to explain what is shown on the map.

If a special instruction is to be followed, it is shown on the map.

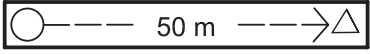

Fef	Symbol	Description
15.1		Special instruction: follow the route from the control point

15.2		: ollok HapeX Foit tween controls.
------	--	---------------------------------------

If there are a anXatorm crossin[points or r


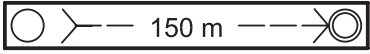
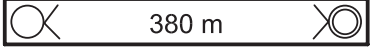
Fef	Symbol	Baae# Descripti on
15.3		A anXatorm crossin[points.
15.4		A anXatorm passa[e of bounds area.

5t a aap elc\an[ež or if a aar_eX roite is
s\oilX follok t\le last control Xescription

Fef	Symbol	Baae# Descripti on
15.5		: ollok HapeX Foit Aap 9lc\an[e"
15.6		Aap Ūip flirn t\le

Nature of route from the last control to the Finish

: ollok in[t\le fnal Xescriptionž t\le nature
inXicateX Vm one of t\le follokin[.



















Fef	Symbol	Baae# Descripti on
16.1		400a froa last con : ollok tapeX roite
16.2		%) Oa froa last con Baji[ate to fnis\ follow tapes.
16.3		', Oa froa last con Baji[ate to fnis\ '

Examples

Map	Terrain	Control	Description	Height	Width	Depth	Order	Priority
		1						
		2						
		3						
		4						
		5						
		6						
		7						
		8						

Map	Terrain	Control	Description
		- [] → [] [] [] [] []	Eastern re-entrant
		% [] [] [] [] [] [] []	Earth bank, foot
		11 [] [] [] [] [] [] []	Eastern arm
		12 [] [] [] [] [] [] []	Eastern arm
		13 [] [] [] [] [] [] []	Eastern arm
		14 [] [] [] [] [] [] []	Earth wall, east end
		15 [] [] [] [] [] [] []	Hill
		16 [] [] [] [] [] [] []	Earth wall, north-east end
		17 [] [] [] [] [] [] []	Hill

Map	Terrain	Control Descr	Height	Plot	Others	ness	ori
		18 | | | | | | |				Hill,	north-west part
		% - | | | | | | |				West Hill,	east side
		2 0 | | | | | | | | |				Between hill	and knoll
		21 | | | | | | 1 | | |				? n o l i ž	% a
		22 | | | | | | 1 | | |				? n o l i ž	% a ž east foot
		23 | | | ) ( | | | | |				Saddle	
		24 | | | | | | | |				Depression	
		25 | | | | | | | | |				Depression,	east part
		26 | | | | | | | | | |				A i X X I e s a a l depression,	east e X [e
		27 | | | | | | 1 | | |				D i t ž	% a X e e kest e X [e

Map	Terrain	Control Descr	Height Distance
		28 [] [] * [] 1 [] []	5 m hill east side
		2 - [] [] [] [] [] 2 [] []	Cliff 2 a
		' 0 [] [] [] [] [] 2 [] []	Cliff 2 a foot
		31 [] [] [] [] [] 2 [] []	Upper cliff
		32 [] [] [] [] [] 1.5 [] []	Cliff %) a
		33 [] [] [] [] [] [] [] []	Between cliffs
		34 [] [] [] [] [] [] [] []	Foc_ pil south foot
		35 [] [] [] [] [] [] [] []	Caje
		36 [] [] [] [] [] [] [] []	6 oil Xer west side

Map	Terrain	Control Descr	Height (m)	Notes
		37	2	South-eastern Voil Xer ž east side
		38		Between boulders %a anX %") a
				Boulder, 0") a # ' a ž ke s side
		40		6oil Xer f el soit \ - east
		41		Boulder cluster, south side
		42		Stonm [roin north \ ex] e
		43		Bare rock
		44		Bare rock, west part
		45		Barrok pass

Map	Terrain	Control	Description
		46 <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	@a_e ž east
		47 <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Don X ž east
		48 <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Waterhole, east e X [e
		4 <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Strea a Ven X
		) d <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Southern strea a Ven X
		51 <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Strea a ^ n c
		52 <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Ditch, north-east end
		53 <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Ditch bend
		54 <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Northern ditch bend
		55 <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Dit c \ ^ i n c t

Map	Terrain	Control	Description
		56	Ditch \ cross
		57	Barok \ aars south-east end
		58	Marsh, north-west part
			Marsh, south tip
		*	Aars \ ž east
		61	Aars \ ž , a l
		62	6 et keen aar
		63	: ira [ro n X aars \ ž north-west tip
		64	Well, east side

Map	Terrain	Control	Description
		65	Sprinkler
		66	Water tank, east side
		67	Open land, east corner
		68	Open land, east side
		*	Sea - open land, east side
		+	Forest corner, south tip
		71	Clearing
		72	Thicket, east side
		73	Linear thicket, east corner

Map	Terrain	Control	Description
		74 [] [] [] [] [] [] [] [] [] []	Je[etation Vo in X ar m z east corner outside)
		75 [] [] [] [] [] [] [] [] [] []	Copse ž kest
		76 [] [] [] [] [] [] [] [] [] []	Dro ainent t broad leaved
		77 [] [] [] [] [] [] [] [] [] []	Foot stoc _ ž east side
		78 [] [] [] [] [] [] [] [] [] []	Foa X ž south-east end
		+ - [] [] [] [] [] [] [] [] [] []	Foa X ^ incti
		[] [] [] [] [] [] [] [] [] []	Foa X # pat V cross in [
		81 [] [] [] [] [] [] [] [] [] []	Path bend
		82 [] [] [] [] [] [] [] [] [] []	Western path bend

Map	Terrain	Control	Description
		83	Dat \ ^ incti
		84	Dat \ crossi
		85	Dat \ # streaa crossin[
		86	Path/ditch crossin[
		87	FiXe VenX
		88	6riX[ež hor
			Doker linež
		- 0	Tunnel, south-west end
		- %	Wall, east corner flinsi Xeł

Map	Terrain	Control	Description
		- 2	Wall, ruined, west end
		- 1	Stream, crossing
		- 4	Path/wall crossing
		-)	Fence, corner
		- *	Crossing, south side
		- +	Building, side
		- ,	Building, east
		- -	Pipeline, beneath
		% 0 0	Tower, south side

Map	Terrain	Control	Description
		%0%	Slotted in [] pl
		%02	Cairn ž east
		%0	: oXXer rac_ west side
		%04	Statue
		%0)	Clarcoal Vi [roinX # pl
		%0*	Canopmž soi west end
		%0+	Stairkamž f
		%0	Trench
		%0-	: loke,r 6eX south corner floitsiXek

Specifications for Trail Orienteering




Here are two variations in the use of the Trail Orienteering symbol:

Column B - Number of control flags
This column is used to denote the number of flags to be collected. The number of flags is written in the control flag circle.

Column H - Direction of observation

This column is used to denote the direction of observation. A north arrow indicates that the competitor should observe the control circle.

Example

5	B	C	D	E	:	G	H
1	5 - D						

Notes

