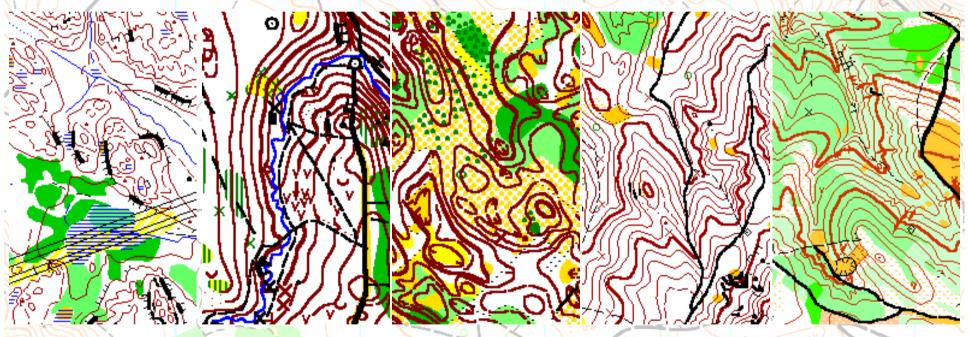
ISOM 2000 past, present ... (on the samples of WOC maps)



ISOM = International Specification for Orienteering Maps



How did it start (maps)?



31 October 1897 Oslo, Norway. Map of the first orienteering event.

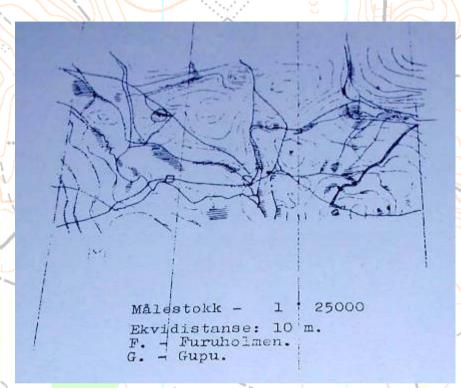
There were 4 different maps available: it is a 1:30000 scale ski map.

Historical data based on the information of the Centre of the History of Orienteering (Zlín, Czech Republic)



László Zentai: ISOM 2000 – past, present ...

How did it start (maps) 2?



30 October 1941
Gupumarka, Norway.
The first orienteering map specially drawn/fieldworked for an orienteering event.

It was an illegal night event (under German occupation).



How did it start (maps) 3?

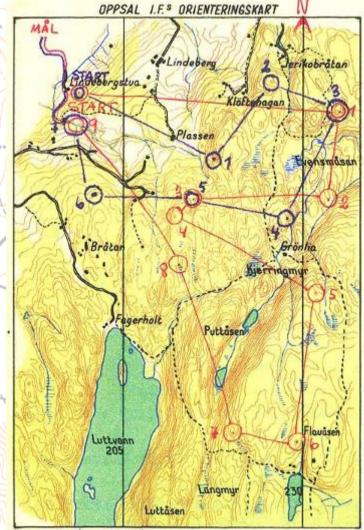


1948
Norbykollen, Norway.
The first orienteering
map made by using
airphotos.

Made by Per Wang.



How did it start (maps) 4?



Utarbeidet på grunnlag av Oslo oppmålingsvesens karter med spesiell tillatelse
Målestokk I: 20 000

Ekv. dist. 5m.

30 April 1950 around Oslo, Norway. The first colour orienteering map.

Experiences of other Scandinavian countries were used. Made by Knut Valstad.



The year of first o-events in different countries



Norway, 1897.

Sweden, 1901.

Denmark, 1906.



Hungary, 1925.

Estonia, 1926.

Switzerland, 1933.

Czechoslovakia, 1933.



László Zentai: ISOM 2000 – past, present ...

How did the orienteering start?

- 1. "Scandinavian" style (Norway, Sweden, Finland, Switzerland, Denmark):

 Independent development using topographic maps of the countries.
- 2. Eastern European style (Hungary, Czechoslovakia, Bulgaria, Eastern Germany):

 Based on tourism, used old tourist maps, because topographic maps were secret use.
- 3. Modern style (Austria, UK, Canada, France, Australia, USA etc.)

 Based on international (mostly Scandinavian) experiences.

 After the foundation of the International Orienteering Federation.



The main step: the foundation of the International Orienteering Federation (IOF)

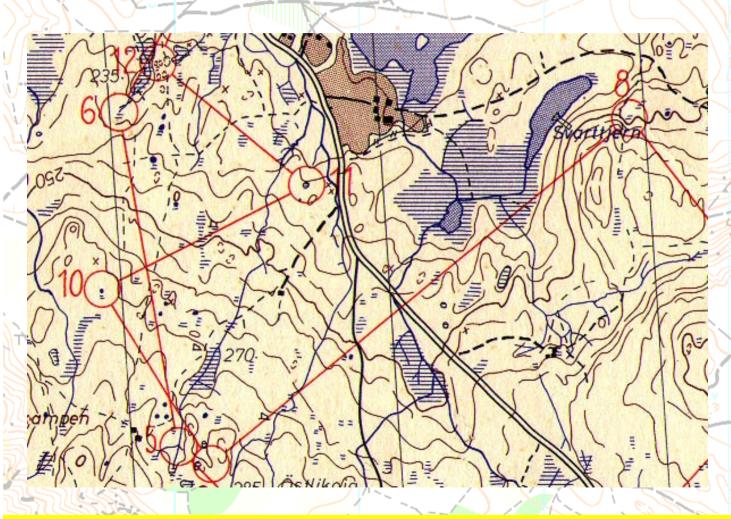


1961

- Bulgaria
- Czechoslovakia
- Denmark
- Finland
- Germany (FRG and GDR)
- Hungary
- Norway
- Sweden
- Switzerland



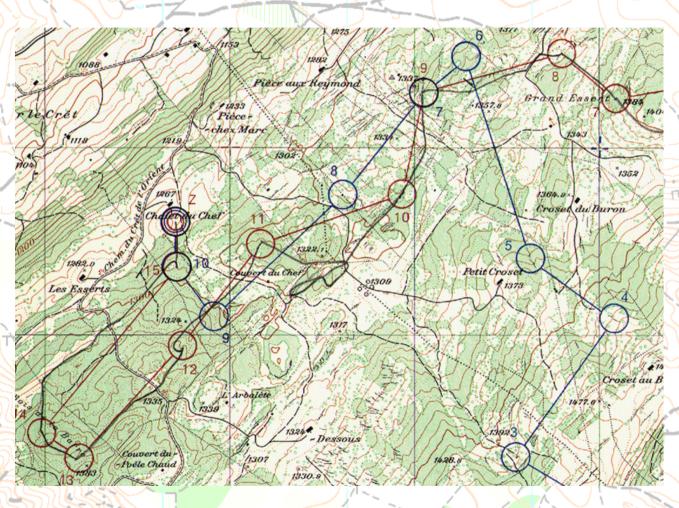
European Championships without ISOM (1962)



Norway



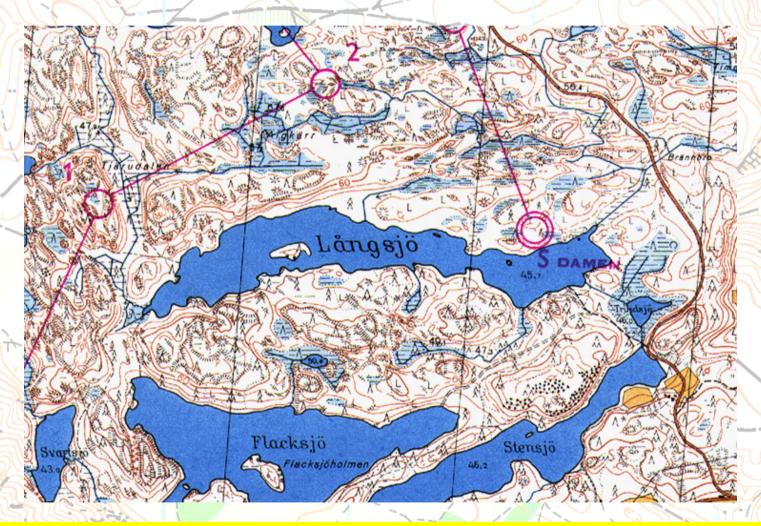
European Championships without ISOM (1964)



Switzerland



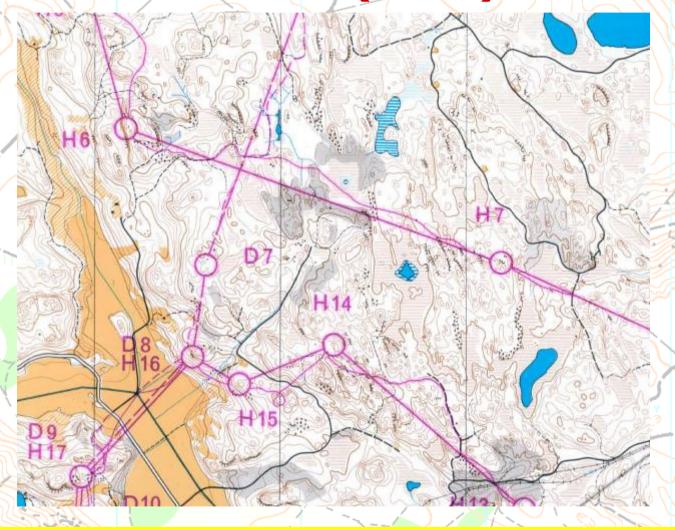
World Championships without ISOM (1966)







World Championships without ISOM (1968)



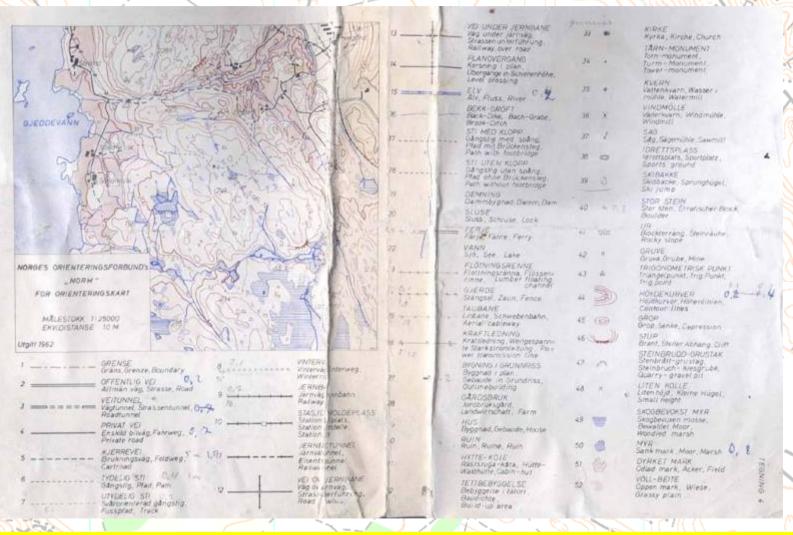
Sweden



László Zentai: ISOM 2000 – past, present ...

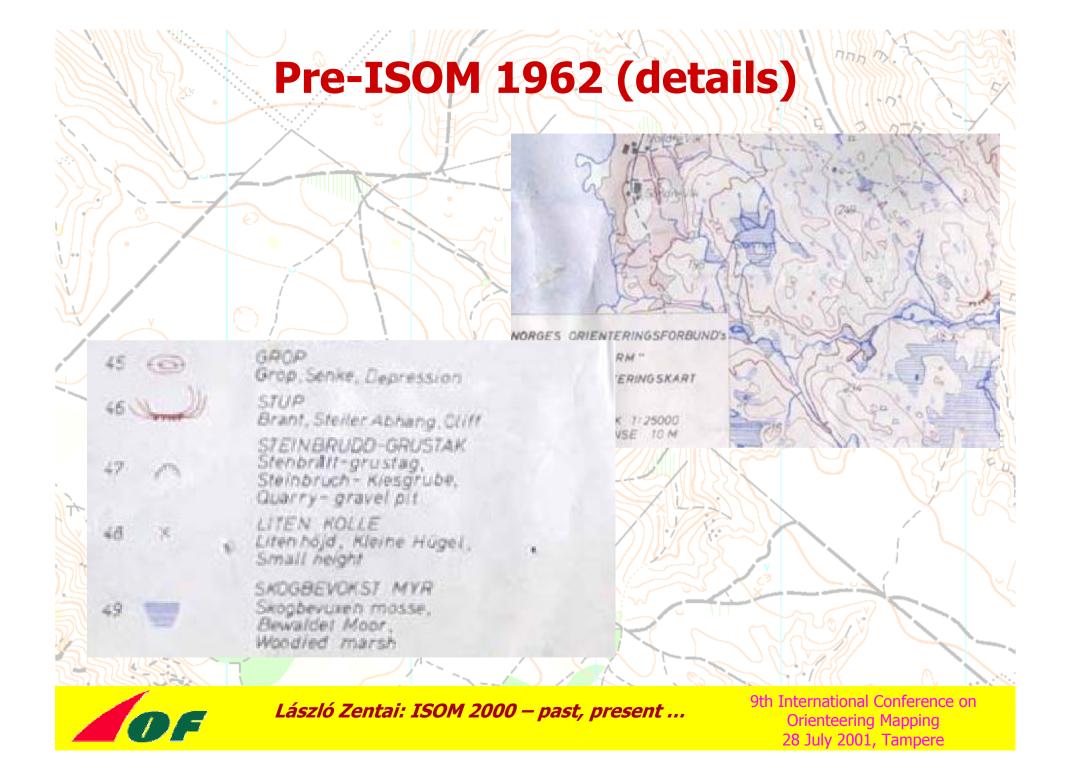
Pre-ISOM

(European Championship, Norway, 1962)





László Zentai: ISOM 2000 – past, present ...



Forming the Map Committee of the IOF

1961 - MC of the Norwegian Federation

1964 - MC of the Swiss Federation

1965 - IOF MC

Members:

- Jan Martin Larsen Norway
- Christer Palm Sweden
- Ernst Spiess Switzerland

1967 - First meeting of IOF MC (Zürich)

Participants:

- Jan Martin Larsen Norway
- Torkli Laursen Denmark
- Osmo Niemelä Finland
- Christer Palm Sweden
- Ernst Spiess Switzerland



Background of the first ISOM

Decisions of the 1967 meeting (for World Championships):

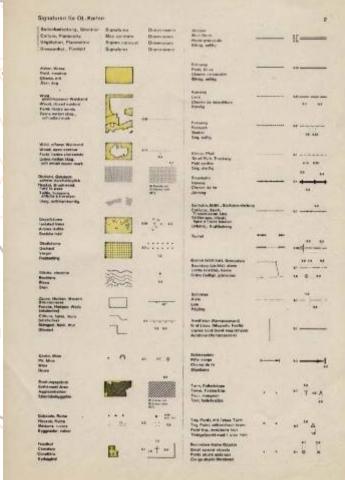
- The orienteering maps must show the actual situation.
- They must show all visible features that are easily identifiable and useful for the competitors.
- It is very important to show all details, that effect the route choice.
- The legibility is most important: leave out all unnecessary features.
- The maps of the international events have to use the same legend in all countries.



ISOM 1969

Languages: German, English, French, Swedish



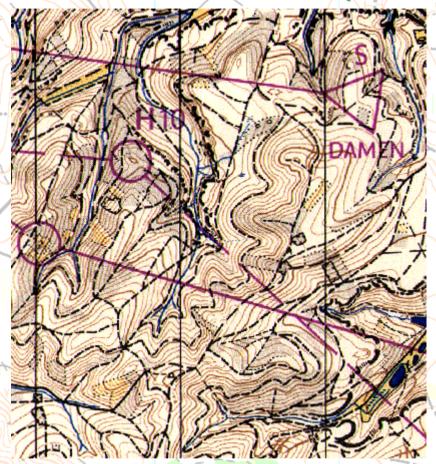


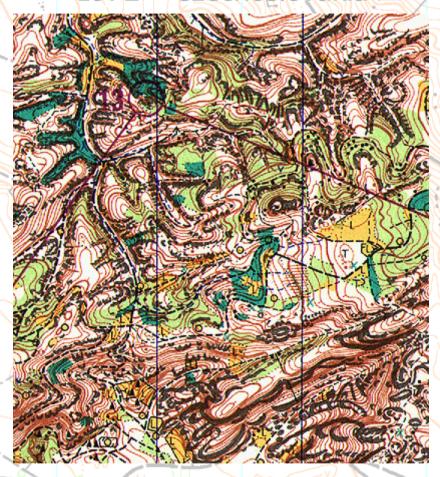


László Zentai: ISOM 2000 – past, present ...

1970 - East Germany

1972 – Czechoslovakia

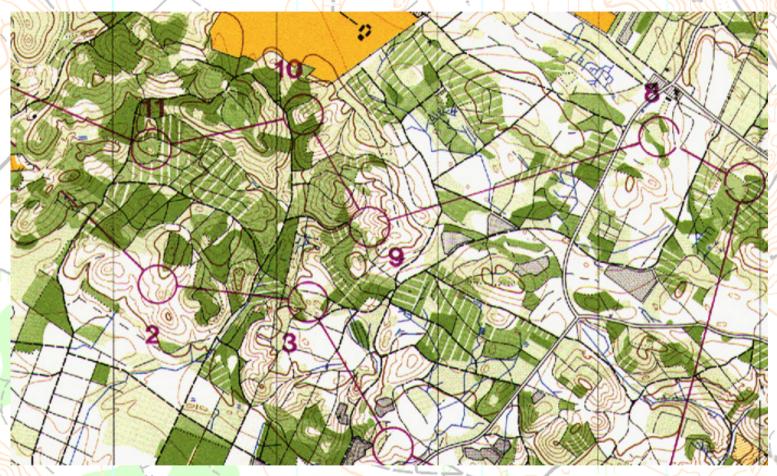




1:25000 scale last time Grey used for bush The first use of 3 greens
Grey used for sandstone cliffs



1974 - Denmark



No evident deviations: according to the future standard ISOM 1975



ISOM 1975



ORIENTEERING FEDERATION

Drawing Specifications for International Orienteering Maps

approved by the IOF Congress, 5th July 1975, at Boson, Sweden



INTERNATIONALE ORIENTIERUNGSLAUF-FÖDERATION

Darstellungsvorschriften für internationale OL-Karten

pinehmighvom KOF-Kongress, 5. Juli 1975, in Bosda/Stockbolm

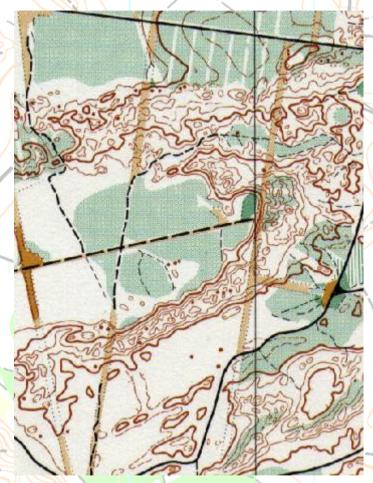
- Scale: 1:20,000 or 1:15,000,
- green in three shades for the representation of restricted runnability due to vegetation,
- yellow screen or diagonal stripes for semi-open terrain (clearings and felled areas),
- grey for bare rock.



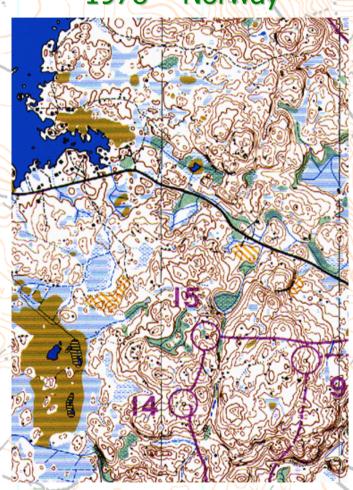
László Zentai: ISOM 2000 – past, present ...

1976 - Scotland

1978 - Norway



1:15000 scale in relay

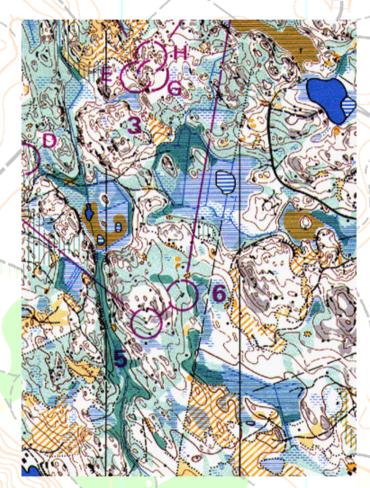


First time: 1:15000 scale in classic

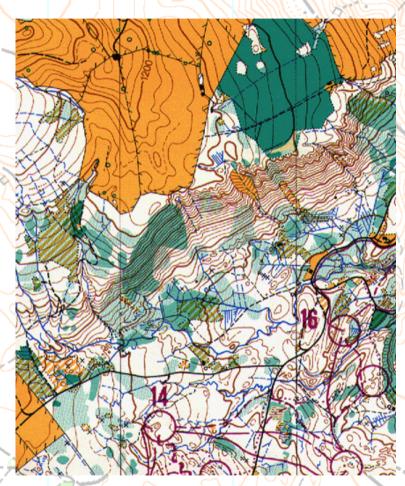


1979 - Finland

1981 – Switzerland



1:20000 scale last time

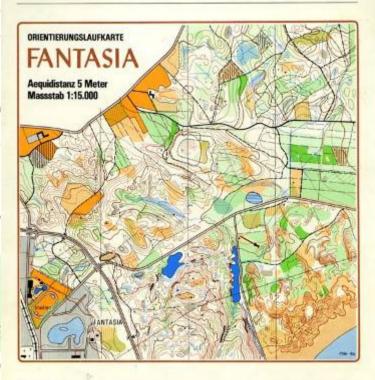


According to the standard



ISOM 1982

Darstellungsvorschriften für internationale OL-Karten



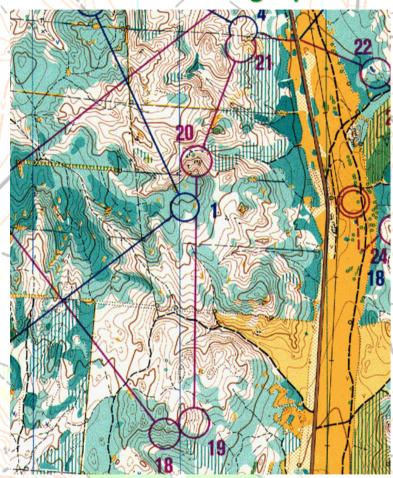


- Scale: 1:15,000 or 1:10,000,
- introduction of yellow screens to extend the possibilities for combining colours and thus better representing vegetation and runnability,
- green stripes to represent restricted runnability with good visibility,
- changed print colours brown, yellow and green.

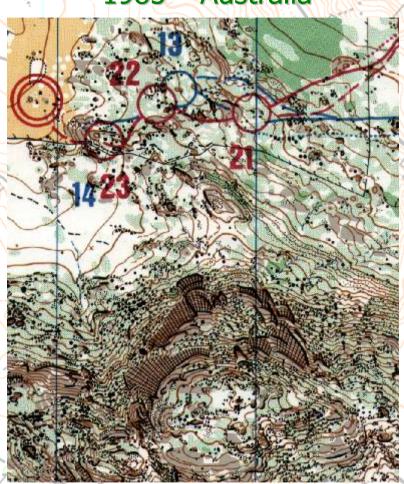


1983 - Hungary

1985 – Australia



Introduction of green stripes



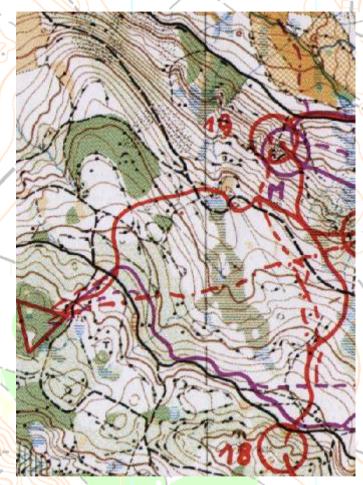
ISOM fit to extreme terrains



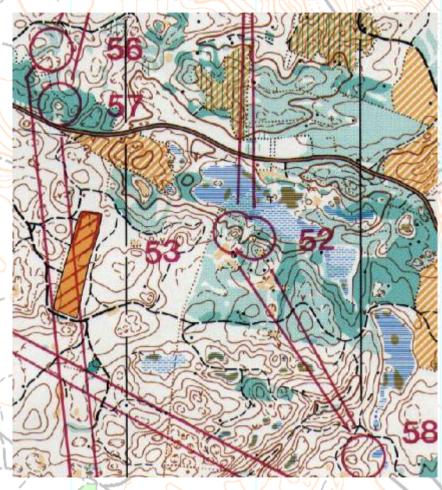
László Zentai: ISOM 2000 – past, present ...

1987 - France

1989 - Sweden



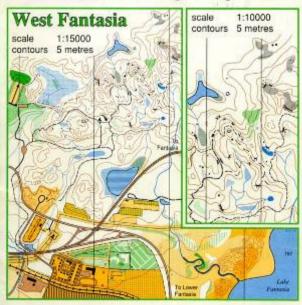
According to the rules

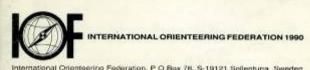


Green stripes in Scandinavia



International Specification for Orienteering Maps





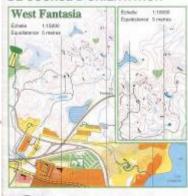
ISOM 1990

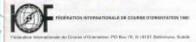






CODIFICATION INTERNATIONALE POUR LES CARTES DE COURSE D'ORIENTATION





From a "guideline" to a "rule set" by continuous improvement of colours and symbols on the basis of extensive tests and studies,

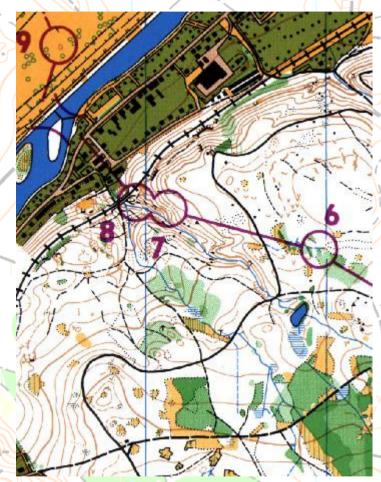
increased scale from 1:40,000 > 1:25,000 > 1: 20,000 > 1:15,000 > 1:10,000,

extension of the time between revisions from 6 years via 7 and 8 to 10 years.



1991 - Czechoslovakia

1993 - USA



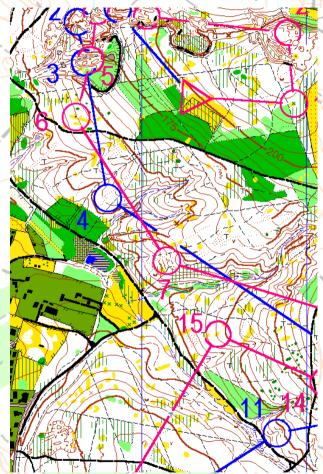
Introduction of short distance event

1:10000 scale in short distance

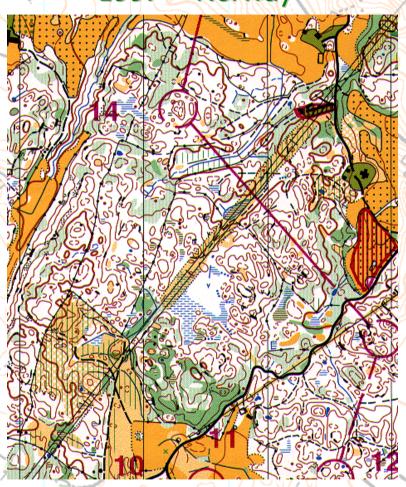


1995 - Germany

1997 - Norway



Only 1:15000 scale maps

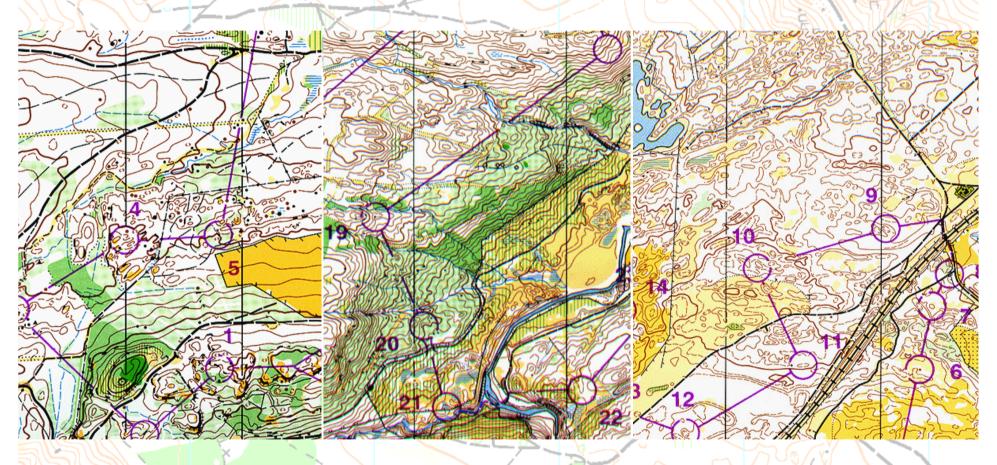


1:10000 scale in sprint and relay



László Zentai: ISOM 2000 – past, present ...

1999 - Scotland



No surprises



László Zentai: ISOM 2000 – past, present ...

ISOM 2000

International Specification for Orienteering Maps











- No big changes,
- existing standards are adjusted for computer mapping,
- consideration of new printing methods,
- inclusion of other forms of orienteering.

36 pages
Printed in 9 colours:
Cover page: CMYK
Inner pages: CMYK, brown,
blue, green, yellow+red



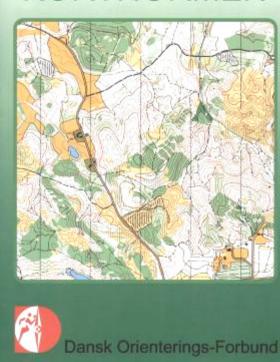
Paper versions:

- to print the national version also at the same quality (9 colours) can be too expensive,
- the Map Committee offered the digital versions of all drawings used for the official English language version,
- some countries asked for continuous exchange of views to complete their national version, which showed the Map Committee which parts of ISOM needs finetuning in the next edition.



DENMARK

KORTNORMEN

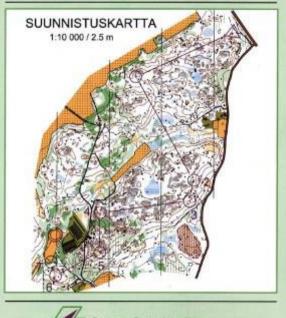


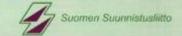
Inner pages: only black (32 pages)
Other disciplines excluded

FINLAND

SUUNNISTUSKARTTAMERKIT

Teckenförklaringar för orienteringskartan



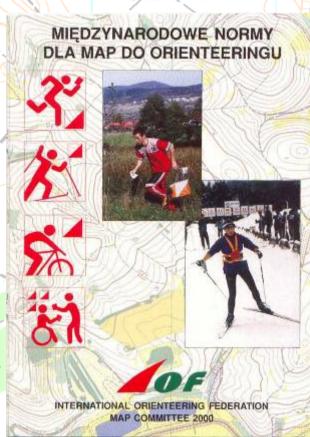


No inner pages



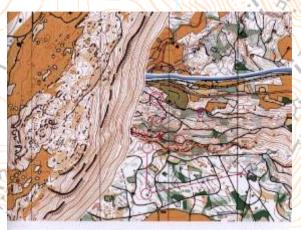
László Zentai: ISOM 2000 – past, present ...

POLAND



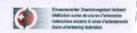
Graphically nearly identical with the official edition (some photos were added) – 32 pages

SWITZERLAND



Darstellungsvorschriften für OL-Karten

erwingegeben von der Kartenkommission des Schweiberkehen (III. Merhandes



CMYK edition 32 pages (including cover pages)



László Zentai: ISOM 2000 – past, present ...

SLOVAKIA

SWEDEN

Mapy pre orientačné športy Medzinárodná norma











Kartnormen

Kompletterad med ytterrigare rekogn







Inner pages: only black (36 pages) Colour signs are in the inner side of cover pages

Inner pages: only black (28 pages) Other disciplines excluded



László Zentai: ISOM 2000 – past, present ...

Orienteering Mapping 28 July 2001, Tampere

BELGIUM

Codification Internationale des cartes d'Orientation

asomy zood





traduction libre de Robert MARIQUE basée sur la version Internet de l'ISOM 2000 et une version française antérieure (1990), pour la

Fédération Régionale des Sports d'Orientation

Permanence fédérale : avenue Général Bernheim, 31 - 1040 BRUXELLES - +32 (0)2 640.69.22

http:// www.frso.be - frsonidebehoone/aiskviiet.b

CZECH REPUBLIC

Mezinárodní norma

Mapy pro orientační běh





INTERNATIONAL ORIENTEERING FEDERATION 2000

Radiokatu 20, FI-00093 SLU, Finland – http://www.orienteering.org
MAP COMMITTEE

PDF (36 pages)

PDF (59 pages) and html format http://www.frso.be/isom



László Zentai: ISOM 2000 – past, present ...

ESTONIA

Rahvusvahelised nõuded orienteerumiskaartide koostamiseks











RAHVUSVAHELINE ORIENTEERUMISFÖDERATSIOON 2000
Radiokatu20,Fi-00093SLU,SOOME-http://www.orienteering.org
KAARDIKOMITEE

PDF (24 pages)
Other disciplines excluded

ITALY

Simbologia Internazionale per le Carte d'Orientamento











FEDERAZIONE ITALIANA SPORT ORIENTAMENTO 2000

Piazza Silvio Pellico, 5 - c.p.640 - 38100 TRENTO - http://www.fiso.it

PDF (25 pages)
Other disciplines excluded



László Zentai: ISOM 2000 – past, present ...

NORWAY

1 Innledning

Orienteringsidretten drives idag over hele verden. For å kunne oppnå rettferdige konkurranseforhold og framtidig vekst for idretten er det viktig å ha en felles tilnærming til spørsmål som angår tolkning og framstilling av o-kart.

Målet med den internasjonale normen for o-kart (ISOM) er å gi en kartnorm som kan benyttes for de mange ulike terrengtypene en finner rundt omkring i verden og for de mange ulike formene for orientering som bedrives. Normen må sees i sammenheng med reglene for IOF-konkurranser. For IOF-konkurranser er avvik fra kartnormen bare tillatt etter eksplisitt godkjenning av IOFs kartkomité (IOF MC). For andre konkurranser må denne typen godkjenning komme fra det nasjonale forbundet.

Det finnes supplerende spesifikasjoner for andre orienteringsdisipliner. Disse bygger på denne kartnormen for tradisjonelle orienteringskart.

2 Generelle krav

2.1 Orientering og kartet

Orientering er en idrett der løperen skal oppsøke et antall poster på kortest mulig tid, med kart og kompass som eneste hjelpemiddel. Som i alle former for idrett er det nødvendig å sikre at løperne konkurrerer under like vilkår. Jo mer nøyaktig kartet er, desto bedre kan dette ivaretas, og desto større muligheter har løypeleggeren til å legge en god og rettferdig løype.

For løperne er et nøyaktig og lesbart kart et pålitelig hjelpemiddel for å ta ut gode veivalg tilpasset egne o-tekniske og fysiske ferdigheter, og et slikt kart gjør det også mulig for dem å orientere seg fram langs dette veivalget. Dyktighet i veivalgsplanlegging mister imidlertid all betydning dersom kartet ikke gir et riktig bilde av terrenget, f.eks. ved å være uppavaktig, forsledet eller dådig lesbart.

html version

http://ilm425.nlh.no/~ikfht/o/kartutv/isom2000/norsk/

SLOVAKIA

Mapy pre orientačné športy Medzinárodná norma











Medzinárodná federácia orientačných športov 2000

Radiokatu 20, FI-00093 SLU, Finsko – http://www.orienteering.org

PDF (36 pages)
Identical to paper version



László Zentai: ISOM 2000 – past, present ...

RUSSIA

Условные знаки карт для спортивного ориентирования

ISOM 2000





INTERNATIONAL ORIENTEERING FEDERATION 2000

Kadakata 20, FI-00093 SLU, Finland-<u>Alto ilwawa ununtaung ung</u> MAP COMMITTEE

10F Map Committee

ISOM 2000 hés Desk

Перевод с английского:<u>Александо Глугис.</u>

- Введения
- Общие требования.
- Эпоменты княг для бега с сенентированном
- Описание условных эников (бог с обновтированием)
 - Формы земной повераности (рельеф)
 - Скисы и камен
 - Гапроговізня в болота
 - Растительный покров
 - Искусственные объекты.
 - Технические знаки;
 - Знаки для намосения элементов дистанции.
- УЗ киот для ориентирования на пыжна

html format

http://fsonso.sibgi.ru/public/isom2000/index.htm



László Zentai: ISOM 2000 – past, present ...

JAPAN

オリエンテーリング地図 国際図式規定

International Specification for Orienteering Maps





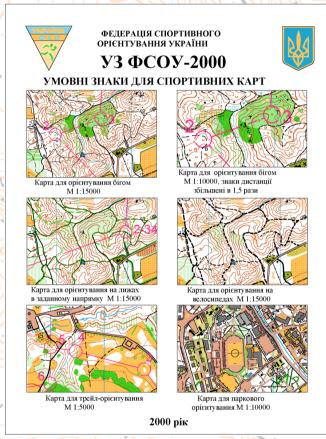






The paper version will be published soon (32 pages)

UKRAINE



The paper version will be published in September (52 pages)



László Zentai: ISOM 2000 – past, present ...

YUGOSLAVIA

Међународни стандарди за Оријентационе карте (ISOM 2000)

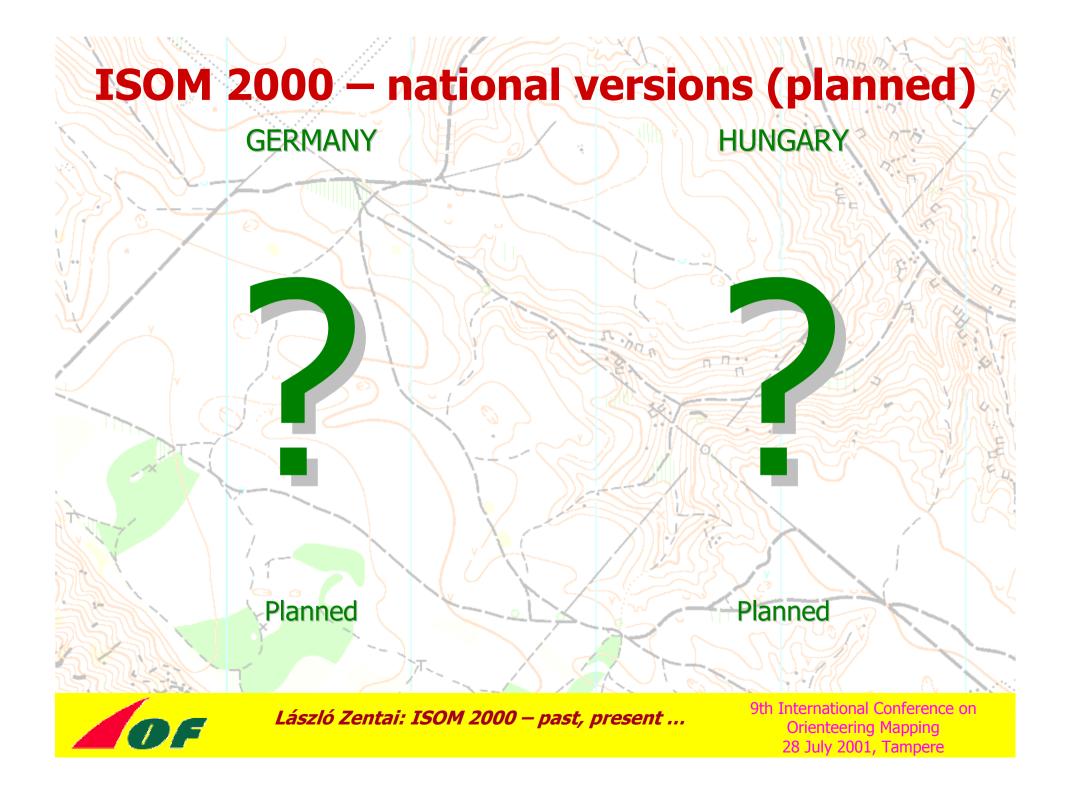


- 1. ПРЕДГОВОР
- 2 ОПППИ ЗАХТЕВИ
 - Оријентацини спорт и карта
 - о <u>2.2 Садржај карт</u>
 - о 2.3 Тачност

The translations is ready
The html version is not available online



László Zentai: ISOM 2000 – past, present ...



ISOM 2000 – experiences

For ISOM 2010 (?):

- A guideline for national versions would be useful: more concrete help.
- Suggestions for the design (however it is free for the national federations).
- Park (sprint) maps to be included as the maps of other disciplines.
- Which is the more appropriate software environment for the final editing giving better chance to use the official ISOM edition files for national versions?



The web museum of Map Committee 1

IOF Map Committee:

http://lazarus.elte.hu/mc

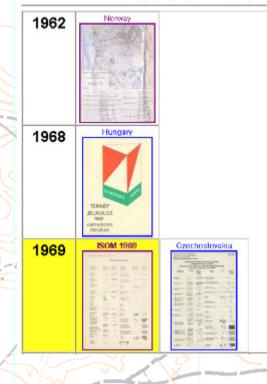
Collection of o-map specifications Collection of o-map reference works

http://lazarus.elte.hu/mc/history.htm

Collection of o-map specifications

by the year of issue - by countries - by languages other reference works

Suggestions, amendments warmly welcome: László Zental - editor





László Zentai: ISOM 2000 – past, present ...

The web museum of Map Committee 2

IOF Map Committee:

http://lazarus.elte.hu/mc

History of orienteering maps by countries

http://lazarus.elte.hu/mc/country/1.htm

History of orienteering maps by countries

collection of o-map specifications - collection of o-mapping reference works - history of o-mapping Suggestions, amendments warmly welcome: László Zentai - editor

UNDER CONSTRUCTION Bulgaria Canada Estonia 1992 (1986 Soviet Union) Finland Germany 1961: FRG and 1990: GDR Hungary Israel Norway Sweden 1961 Ukraine 1992 (USSR: 1986) **Jruguay**

The year indicates the date of IOF membership of the country.



László Zentai: ISOM 2000 – past, present ...

Thank you for your attention

László Zentai

IOF Map Commission

Hungary zetor@ludens.elte.hu http://lazarus.elte.hu



