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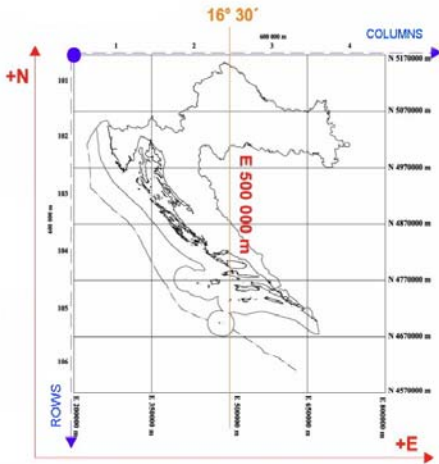
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Introduction

Croatian Terrestrial Referent System, epochs 1995.55 and transverse Mercator's (Gauss-Krüger's) projection is recently established as new official projection referent coordinate system of the Republic of Croatia (HTRS96/TM). The new map grids are made for official cartographic map scales. They are followed by the proposal of the new nomenclature system. The new nomenclature system is developed for the official cartographic map scales: 1:250 000, 1:100 000, 1:50 000, 1:25 000, 1:10 000, 1:5 000, 1:2 000, 1:1 000 and 1:500. Nomenclatures for scales 1:250 000, 1:100 000 and 1:50 000 are made directly from the grid area and do not contain nomenclature of any other sheets. Nomenclatures for map sheets in all other scales are using map sheets in the scale 1:50 000 as background, and nomenclatures of bigger scales contain nomenclature of map sheets in the scale 1:50 000. Name of the sheet is integral part of the nomenclature for all the sheets that are covering land territory of the Republic of Croatia. Sheet names are not given for map scales 1:2 000, 1:1 000 and 1:500. Sheet name is given after the name of the main geographical feature (toponym). The nomenclatures are made of alpha-numeric and special characters. Sheet indexing using unique integer is more suitable considering Information and Communications Technologies (ICT). Every map sheet has the nomenclature and the unique integer index.

Grid area

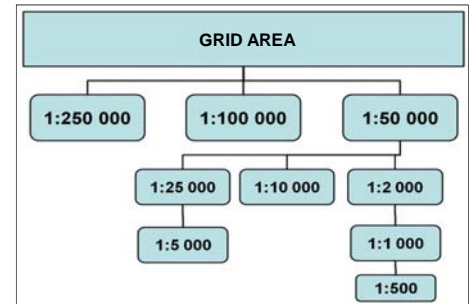


- Central meridian 16° 30' has linear scale 0,9999 and E 500 000 m.
- Origin of new grid area is in top left corner.
- Dimensions of grid area are 600 000 m x 600 000 m.
- Grid area is divided in columns and rows for every scale.

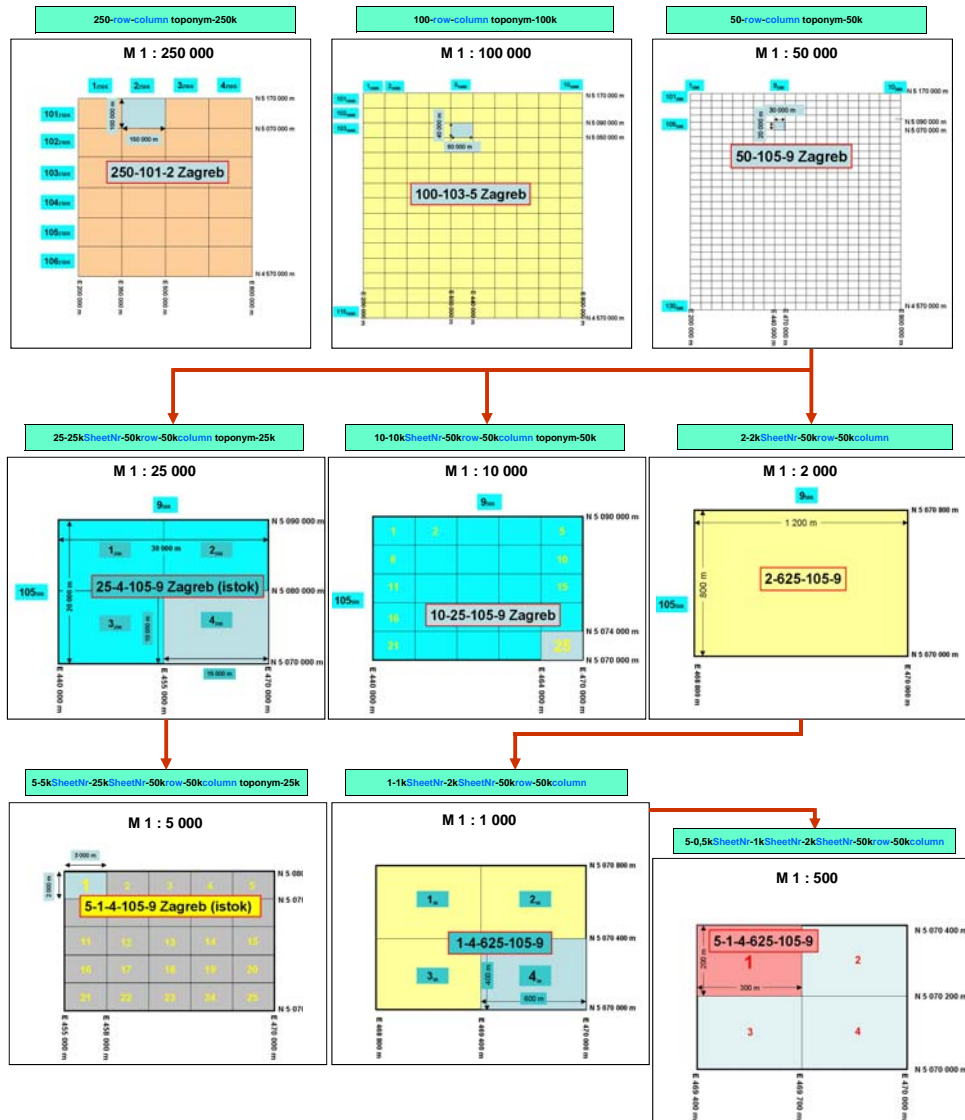
Official map scales

Scale	Scale symbol	Product	Product symbol
1:250 000	250k	Topographic map 1:250 000	TK250
1:100 000	100k	Topographic map 1:100 000	TK100
1:50 000	50k	Topographic map 1:50 000	TK50
1:25 000	25k	Topographic map 1:25 000	TK25
1:10 000	10k	Croatian fundamental map 1:10 000	HOK10
1:5 000	5k	Croatian fundamental map 1:5 000	HOK5
1:2 000	2k	Digital orthophoto 1:2 000	DOF2
1:1 000	1k	Digital orthophoto 1:1 000	DOF1
1:500	0,5k	Cadastral plan 1:500	KP500

Grids hierarchy



Nomenclatures details for each map scale



Data overview

M 1:250 000

Scale	1:250 000
Scale symbol	250k
Product name	Topographic map 1:250 000
Product symbol	TK250
Origin	Upper left corner of the grid area (E 200 000 m, N 5 170 000 m)
Map sheet dimensions (E / N)	60 cm / 40 cm
Map sheet dimensions in nature (E / N)	150 000 m / 100 000 m
Map sheet dimensions with margins (E / N)	70 cm / 50 cm
Map sheet area	0,24 m ²
Map sheet area in nature	15 000 000 000 m ²
Row symbol	101 - 106
Column symbol	1 - 4
Number of rows / columns in grid area	6 / 4
Sheet numbers in the grid area	24
Sheet numbers covering the territory of the Republic of Croatia	15
Map sheet name	toponym-250k
Nomenclature	250-row-column-toponym-250k

Unique map sheet integer index

Indexing map sheet with integers is more suitable than alpha-numeric nomenclature considering use of the Information and Communications Technologies.

2 5 0 - 1 0 6 - 4 toponim-250k - nomenclature for sheet in scale 1:250 000
2 5 0 6 4 - unique map sheet integer index

2	5	0	250krow	250kcolumn
1	0	0	100krow	100kcolumn
0	0	0	50krow	50kcolumn
2	5	25k	50krow	50kcolumn
1	0	10k	50krow	50kcolumn
5	5k	5k	25k	50kcolumn
2	2k	2k	2k	50kcolumn
1	1k	2k	2k	50kcolumn
0	0,5k	1k	2k	50kcolumn