

# Classical 3D Transformation Report

Processed: 01/05/2005 15:41:27

## Project Information

	System A	System B
Project name:	Crna Trans1	Crna Trans1_GK

## Coordinate System Information System B

Coordinate system name:	SLO Gauss-Krueger 1
Created:	-
Transformation name:	-
Transformation type:	-
Height mode:	-
Residuals:	-
Local Ellipsoid:	Bessel 1841
Projection:	SLO Gauss-Krueger 1
Geoid model:	-
CSCS model:	-

## Transformation details

Height mode:	Orthometric
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### 3D-Helmert transformation

Number of common points:	6	Å
Sigma a priori:	1.0000	Å
Sigma a posteriori:	0.0521	Å
Transformation model:	Bursa-Wolf	Å

No.	Parameter	Value	rms
1	Shift dX	-686.2841 m	31.6286 m
2	Shift dY	-33.7736 m	23.9184 m
3	Shift dZ	-239.2220 m	30.4034 m
4	Rotation about X	3.33273 "	0.74393 "
5	Rotation about Y	-6.45181 "	1.24190 "
6	Rotation about Z	-8.89396 "	0.72397 "
7	Scale	-18.1775Å ppm	3.2061Å ppm

## Residuals

### Cartesian:

Â					
System A	System B	Point type	dXÂ [m]	dYÂ [m]	dZÂ [m]
350	350	Position + height	0.0109 m	-0.0249 m	-0.0431 m
397	397	Position + height	0.0208 m	-0.0209 m	0.0454 m
63	63	Position + height	0.0388 m	0.0182 m	-0.0543 m
690058	630058	Position + height	0.0237 m	0.0494 m	0.0417 m
690065	630065	Position + height	-0.0330 m	0.0576 m	-0.0065 m
690392	640392	Position + height	-0.0611 m	-0.0794 m	0.0167 m

### Grid:

Â					
System A	System B	Point type	dEÂ [m]	dNÂ [m]	dHgtÂ [m]
350	350	Position + height	-0.0268 m	-0.0327 m	-0.0284 m
397	397	Position + height	-0.0255 m	0.0206 m	0.0431 m
63	63	Position + height	0.0076 m	-0.0679 m	-0.0103 m
690058	630058	Position + height	0.0417 m	0.0029 m	0.0548 m
690065	630065	Position + height	0.0642 m	0.0080 m	-0.0165 m
690392	640392	Position + height	-0.0610 m	0.0692 m	-0.0427 m

## List of identical points

### System A:

WGS 84 Cartesian:			
Â	XÂ [m]	YÂ [m]	ZÂ [m]
350	4257601.8663	1120682.3205	4600983.6529
397	4254871.0953	1121865.6203	4603196.0212
63	4252443.4381	1127706.5494	4604158.0830
690058	4253813.0934	1134184.2931	4601308.4237
690065	4248570.4568	1126733.9208	4607386.2092
690392	4254261.3516	1135350.8894	4600407.8661

### System B:

Local Grid:			
Â	EastingÂ [m]	NorthingÂ [m]	HgtÂ [m]
350	480922.3500	145609.2200	1062.3200
397	482771.4900	148822.3900	1055.2400
63	489040.1000	150088.9100	1165.3700
630058	494940.9300	145952.8600	1156.9300
630065	489102.1000	155205.9400	760.2500
640392	495951.4900	144800.0400	1009.8300