

Coordinate System Report

Report created: 29.03.2022 06:57:45

Coordinate System: ki_Hosta-Vardane

Summary

Transformation:	ki_Hosta-Vardane	Projection:	Msk-23_zone2
Transformation Type:	Classical 3D	Projection Type:	Transverse Mercator
Residual Distribution:	None	Geoid Model:	None
Ellipsoid:	Krassowski	CSCS Model:	None

Transformation: Classical 3D

Parameters

Height Mode:	Orthometric
Model:	Bursa Wolf
Common Points:	7
Δx :	906.2514 m
Δy :	-306.0655 m
Δz :	-376.0795 m
Rx:	3.95297 "
Ry:	29.80907 "
Rz:	-20.15936 "
Scale:	0.999997696561
x0:	0.0000 m
y0:	0.0000 m
z0:	0.0000 m

Common Points

System A

#	Point Id	Point Role	Use	WGS84 Cartesian X [m]	WGS84 Cartesian Y [m]	WGS84 Cartesian Z [m]
1		Control	Position & Height	3 554 704.7186	2 961 354.5476	4 376 101.6425
2		Control	Position & Height	3 557 755.6558	2 962 201.0384	4 373 050.5935
3		Control	Position & Height	3 550 145.7260	2 967 844.3854	4 375 473.9252
4		Control	Position & Height	3 556 587.5406	2 968 707.5427	4 369 382.0102
5		Control	Position & Height	3 559 378.2466	2 940 830.1823	4 385 835.6059
6		Control	Position & Height	3 558 255.3836	2 947 871.7435	4 382 226.7297
7		Control	Position & Height	3 555 682.0897	2 955 129.8790	4 379 510.8985

System B

#	Point Id	Point Role	Use	X [m]	Y [m]	Z [m]
1		Control	Position & Height	3 554 680.8421	2 961 472.8696	4 376 172.4045
2		Control	Position & Height	3 557 732.1826	2 962 319.5966	4 373 121.7765
3		Control	Position & Height	3 550 121.3250	2 967 962.2119	4 375 543.9377
4		Control	Position & Height	3 556 563.9823	2 968 825.9146	4 369 452.8719
5		Control	Position & Height	3 559 354.9944	2 940 949.2281	4 385 907.3726
6		Control	Position & Height	3 558 231.9530	2 947 990.5342	4 382 298.2760
7		Control	Position & Height	3 555 658.3586	2 955 248.3827	4 379 581.9408

Residuals

#	Point Id (A)	Point Id (B)	Use	Residual X [m]	Residual Y [m]	Residual Z [m]
1			Position & Height	0.0315	-0.0001	-0.0017
2			Position & Height	-0.0207	0.0016	0.0090
3			Position & Height	0.0230	0.0230	-0.0340
4			Position & Height	-0.0386	-0.0115	0.0453
5			Position & Height	-0.0046	-0.0332	0.0397

6			Position & Height	0.0099	0.0268	-0.0287
7			Position & Height	-0.0006	-0.0065	-0.0294

#	Point Id (A)	Point Id (B)	Use	Residual E [m]	Residual N [m]	Residual Height [m]
1			Position & Height	-0.0202	-0.0179	0.0163
2			Position & Height	0.0144	0.0168	-0.0046
3			Position & Height	0.0029	-0.0470	0.0000
4			Position & Height	0.0159	0.0583	0.0043
5			Position & Height	-0.0227	0.0457	0.0096
6			Position & Height	0.0143	-0.0379	-0.0020
7			Position & Height	-0.0046	-0.0181	-0.0236

Ellipsoid: Krassowski

Semi-Major Axis (a): 6 378 245.0000 m
 Reciprocal Flattening (1/f): 298.3000000000

Projection: Msk-23_zone2

Type: Transverse Mercator
 False Easting: 2 300 000.0000 m
 False Northing: -4 511 057.6280 m
 Latitude of Origin: 0° 00' 00.00" N
 Central Meridian: 40° 59' 00.00" E
 Scale Factor at Origin: 1.000000000000
 Zone Width: 6° 00' 00.00"