

Description of CRS - UA_UCS-2000 / UA_TM	
Attribute	Entry
Country	Ukraine
Country identifier	UA
CRS identifier	UA_UCS-2000 / UA_TM
CRS alias	UCS Gauss-Kruger_3 CRS UCS-2000 / GK_3 EPSG codes: 5570...5583 for zone 7...13
CRS valid area	Ukraine
CRS scope	CRS scope CRS for conformal Ukrainian mapping at scales larger than 1 : 10 000
CRS remarks	
Datum identifier	Ukraine2000
Datum alias	
Datum type	geodetic
Datum anchor point	Orientation and scale constrained to be same as ITRF2000 at epoch 2005.0. Position is minimised deviation between reference ellipsoid and quasigeoid in territory of Ukraine.
Datum realization epoch	2005
Datum valid area	Ukraine
Datum scope	Geodesy
Datum remarks	
Prime meridian identifier	Greenwich
Prime meridian greenwich longitude	0°
Prime meridian remarks	
Ellipsoid identifier	Krassovsky 1940
Ellipsoid alias	
Ellipsoid semi major axis	6 378 245 m
Ellipsoid shape	true
Ellipsoid inverse flattening	298.3
Ellipsoid remarks	
Coordinate system identifier	UA_TM
Coordinate system type	projected
Coordinate system dimension	2
Coordinate system remarks	
Coordinate system axis name	N
Coordinate system axis direction	North
Coordinate system axis unit identifier	metre
Coordinate system axis name	E
Coordinate system axis direction	East
Coordinate system axis unit identifier	metre
Operation identifier	UA_TM
Operation valid area	Ukraine
Operation scope	
Operation method name	Transverse Mercator Projection
Operation method name alias	Gauß Krüger Projection
Operation method formula	Transverse Mercator Mapping Equations, in Hooijberg,

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Attribute	Entry
	Practical Geodesy, 1997, pages 81-84
Operation method parameters number	7
Operation method remarks	
Operation parameter name	latitude of origin
Operation parameter value	0°
Operation parameter remarks	0°, the Equator
Operation parameter name	longitude of origin
Operation parameter value	central meridian (CM) of each zone for UA: 21° E, 24° E, 27° E, 30° E, 33° E, 36° E, 39° E
Operation parameter remarks	
Operation parameter name	false northing
Operation parameter value	0 m
Operation parameter remarks	
Operation parameter name	false easting
Operation parameter value	300 000 m
Operation parameter remarks	
Operation parameter name	scale factor at central meridian
Operation parameter value	1.0000
Operation parameter remarks	
Operation parameter name	width of zones
Operation parameter value	3°
Operation parameter remarks	
Operation parameter name	zone number n
Operation parameter value	n = longitude value of central meridian / 3 for UA: zones 7, 8, 9, 10, 11, 12, 13
Operation parameter remarks	