

JHS 154 ETRS89-järjestelmään liittyvät karttaprojektiot, tasokoordinaatit ja karttalehtijako, Liite 4: ETRS-GKn -tasokoordinaatiston kuvailu (ISO 19111)

Versio: 6.6.2008

Julkaistu:

Voimassaoloaika: Toistaiseksi

ETRS-GKn Description			
UML identifier	Attribute	Entry	Comment
SC_ProjectedCRS			
name:	Projected CRS name	ETRS-GKn	n is the used central meridian in degrees (19°E - 31°E)
domainOfValidity:	CRS validity	Finland	
scope:	CRS scope	Large scale mapping in Finland.	
CS_CartesianCS			
name:	Cartesian coordinate system name	ETRS89 Gauss-Krüger CRS for Finland	
CS_CoordinateSystemAxis			
name:	Coordinate system axis name	easting	
axisAbbrev:	Coordinate system axis abbreviation	E	
axisDirection:	Coordinate system axis direction	east	
axisUnitID:	Coordinate system axis unit identifier	Metre	
CS_CoordinateSystemAxis			
name:	Coordinate system axis name	northing	
axisAbbrev:	Coordinate system axis abbreviation	N	
axisDirection:	Coordinate system axis direction	north	
axisUnitID:	Coordinate system axis unit identifier	metre	
CD_GeodeticDatum			
name:	Geodetic datum name	EUREF-FIN :realization of the European Terrestrial Reference System 1989 in Finland	
alias:	Datum alias	ETRS89/EUREF-FIN	
CD_Ellipsoid			
name:	Ellipsoid name	GRS 80	
semiMajorAxis:	Length of semi-major axis	6378137.0 m	
secondDefiningParameter:	Second defining parameter	inverseFlattening	
inverseFlattening	Inverse Flattening	298.257222101	
remarks:	Ellipsoid remarks		
CC_Conversion			
name:	Coordinate operation name	ETRS-GK	
domainOfValidity:	Coordinate operation validity	Finnish territory	
scope:	Coordinate operation scope	Conformal mapping in sub-national level	
CC_OperationMethod			
name:	Coordinate operation method name	Gauss-Krüger projection	
formula:	Coordinate operation method formula	See Hirvonen, R.A. The Use of Subroutines in Geodetic Computations, Maanmittaus, 1970.	
sourceDimensions:	Dimension of source CRS	2	
targetDimensions:	Dimension of target CRS	2	
CC_OperationParameter			
name:	Operation parameter name	latitude of origin	
CC_ParameterValue			
value:	Operation parameter numeric value	0 degree	
CC_OperationParameter			

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ETRS-GKn Description			
<u>UML identifier</u>	<u>Attribute</u>	<u>Entry</u>	<u>Comment</u>
name:	Operation parameter name	longitude of origin	
CC_ParameterValue			
value:	Operation parameter numeric value	19°E, 20°E, 31°E	Central Meridian of the zone
CC_OperationParameter			
name:	Operation parameter name	scale factor	
CC_ParameterValue			
stringValue:	Operation parameter string value	1.0	This is a ratio and is unitless.
CC_OperationParameter			
name:	Operation parameter name	false easting	
CC_ParameterValue			
value:	Operation parameter numeric value	n500000 m	n is the degree of Central Meridian (19...31).
CC_OperationParameter			
name:	Operation parameter name	false northing	
CC_ParameterValue			
value:	Operation parameter numeric value	0 m	