

QGIS Application - Feature request #9352

update 7 parameter transformation fir Israel ITM grid

2014-01-16 01:18 AM - Michael Davis

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:	Projection Support	
Pull Request or Patch supplied:		Resolution: up/downstream
Easy fix?:	No	Copied to github as #: 17954
Description Please update +towgs84 parameter for the Israel ITM grid (EPSG:2039). The 7 parameter transformation is officially published at the Israel mapping service: http://www.mapi.gov.il/AboutUs/NewsAndUpdates/Documents/IGD.pdf These are the parameters from WGS to Israel grid so for +towgs84 I guess we need to change the sign of the parameters shown below: X -24.0024 m Y -17.1032 m Z -17.8444 m Rotation RX -0.0000016003 rad= -0."33009 RY -0.0000089821 rad= -1."85269 RZ 0.0000080949 rad= 1."66969 Scale Factor m =1.0000054248 =5.4248 PPM		

History

#1 - 2014-01-17 02:33 AM - Andre Joost

This should be reported to the Proj4 bug tracker, because QGIS takes all CRS from there.

Proj4 only uses valid EPSG transformations, and EPSG only knows EPSG::1073 with 3 parameters.

<http://www.epsg-registry.org/> notes:

Remarks:

For more accurate transformation contact Survey of Israel.

So you will have to convince EPSG to make a Revision according to the official 7-parameters you found in the document, then Proj will adopt these, and QGIS will follow.

#2 - 2014-06-24 05:07 AM - Paolo Cavallini

- Category set to Projection Support

#3 - 2017-05-01 12:48 AM - Giovanni Manghi

- *Easy fix? set to No*

#4 - 2019-05-24 08:03 AM - Nyal Dawson

- *Resolution set to up/downstream*

- *Status changed from Open to Closed*

- *Description updated*

With QGIS 3.8 and the release of proj 6 library, any remaining projection definition related issues now should be filed with the proj project.