

## QGIS Application - Bug report #21275

### manually selected datum transformation setting is ignored

2019-02-14 04:36 PM - Jonas Hurst

<b>Status:</b>	Closed	
<b>Priority:</b>	High	
<b>Assignee:</b>	Nyall Dawson	
<b>Category:</b>	Projection Support	
<b>Affected QGIS version:</b>	3.5(master)	<b>Regression?:</b> Yes
<b>Operating System:</b>	Windows 10	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>	No	<b>Resolution:</b>
<b>Crashes QGIS or corrupts data:</b>	No	<b>Copied to github as #:</b> 29093
<b>Description</b>		
<b>affected version:</b> occured with 3.4.2 QGIS installed through OSGeo4W		
<b>precondition:</b> make sure, osgeo4w/share/proj folder contains transformation grid (in my case BETA2007)		
<b>reproduce:</b> 1) Settings > Options > CRS > "Ask for datum transformation if several are available"=checked 2) load geodata (in my case a shapefile, GK zone 3, EPSG:31467) 3) Right-click legend layer in legend > Export > Save features as 4) enter file name and <b>select a different CRS</b> (in my case UTM zone 32N, EPSG: 25832) 5) click "OK" -> New window "select datum transformation" opens 6) choose one of these datum transformation options (in my case BETA2007) INFO: BETA2007 is not a paramter transformation but a grid-based transformation 7) click "OK"		
<b>expected result:</b> shapefile is transformed using BETA2007-grid		
<b>actual result:</b> QGIS ignores the selection for BETA2007 and uses some other parameter transformation (the default transformation?). The same happens when using transformation grid BWTA2017: Both results are identical. Transformations with grids are much more accurate!		
<b>hints:</b> transformation worked correctly in 2.18.26		
<b>attachment:</b> -shapefile in EPSG:31467 to be transformed into EPSG:25832 (original.shp) -shapefile transformed wrong (transform_wrong.shp from QGIS 3.4.2) -shapefile transformed correctly (transform_correct.shp from QGIS 2.18.26) (Note the difference between the two of about 1.70m!)		
<b>why is this important?</b> Germany is in the process of changing it's national grid from Gauss-Kruger to UTM coordinates. For this, the governments <b>requires</b> BETA2007 to be used (in some cases BWTA2017)		

## Associated revisions

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### Revision 41a72664 - 2019-03-12 05:39 AM - Nyal Dawson

Fix vector layer export transform selection choice is ignored

Fixes #21275

### Revision d1910f59 - 2019-03-19 12:49 AM - Nyal Dawson

Fix vector layer export transform selection choice is ignored

Fixes #21275

### Revision 76714194 - 2019-03-19 01:19 AM - Nyal Dawson

Fix vector layer export transform selection choice is ignored

Fixes #21275

## History

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### #1 - 2019-02-15 01:58 PM - Alessandro Pasotti

- *Category changed from Processing/QGIS to Vectors*
- *Status changed from Open to Feedback*

I've tested current master on Linux and I couldn't reproduce the issue.

Can you please test (on windows) the latest nightly build to check if the issue is still present on master?

### #2 - 2019-02-18 08:51 AM - Jonas Hurst

thank you for you quick feedback on this issue.

I am still able to reproduce this in todays nightly on win10 (delivered through osgeo).

### #3 - 2019-02-18 02:18 PM - Giovanni Manghi

- *Affected QGIS version changed from 3.4.2 to 3.5(master)*
- *Regression? changed from No to Yes*
- *Status changed from Feedback to Open*
- *Category changed from Vectors to Projection Support*

### #4 - 2019-03-05 09:39 PM - Andy Harfoot

As a workaround, if you define the desired transformation in the project CRS tab it appears to be honored when exporting

### #5 - 2019-03-12 05:36 AM - Nyal Dawson

- *Assignee set to Nyal Dawson*

- Status changed from Open to In Progress

**#6 - 2019-03-19 12:49 AM - Nyal Dawson**

- Status changed from In Progress to Closed

- % Done changed from 0 to 100

Applied in changeset commit:qgis|d1910f59ddc14d1724c08191a1822237ace17c2c.

**Files**

transfo_test.zip	4.71 KB	2019-02-14	Jonas Hurst
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