



Luxembourg Transverse Mercator Projection

In order to compute LUREF LTM (Luxembourg Transverse Mercator) coordinates, the ETRF2000toLUREF2020 datum transition, as well as the LTM projection have to be used within the transformation. LTM is a transverse Mercator projection with parameters specifically adopted for Luxembourg:

1. Ellipsoidal coordinate transition on Hayford international 1924
Semi-major axis: 6378388m
Flattening (1/f): 1/297
Fundamental point (Laplace-point): Habay-la-Neuve in Belgium
2. Transversal Mercator projection
Projection type: Transverse Mercator
Projection parameters:
 - Longitude of central meridian: 6° 10' East of Greenwich
 - Central meridian scale factor : 1
 - Longitude of origin: 6° 10' East of Greenwich
 - Latitude of origin: 49° 50' North of Equator
 - False origin:
 - o False Easting: 80'000m
 - o False Northing: 100'000m

as of May 2023