

Map Data for GSM-R network design

All formats available (eg. Atoll, Enterprise, Planet, Mapinfo, ArcGis...) for any Radio Planning Tools.

All local and global coordinate systems available.
UTM on WGS84 is recommended

Grid files

*Recommended resolution : 5m around the railway.
5 m in urban area and 20m in rural area.
Source data: up to date aerial images (in priority) or
satellite images.*

DTM - Digital Terrain Model

Original process to acquire terrain details around the railway and its surroundings.

DLU/A- Digital Land Use Area

30 specific clutter types designed for GSM-R.

	Urban areas	Rural areas
DTM		
DLU area		
DLU object		
DHM		
DEM		
Polygon vectors		
Linear vectors		
Orthophoto		
Boundaries		

Vector files

Recommended accuracy in x,y,z : 1 m

Communication lines

3D Railways lines.

Ortho images files

*From 12 cm to 1 m resolution.
50 cm recommended.
All formats available: TIFF, JPEG ...*



*Digital Land Use/Area Superimposed to
Digital Terrain Model*