

## OpenLR

Communication of spatial information involves the communication of location. The communication chain of a machine readable location can be described as encoding the location at the sender side, transfer of the code to the receiving system and decoding the code at the receiver side. The process of encoding a location is also called Location Referencing.

TomTom International B.V. developed OpenLR for use by everyone dealing with locations and transmitting these between systems having dissimilar maps.

The technical goal of OpenLR is to specify a location referencing system with the following objectives:

- dynamic generation of a location reference, including urban and low level roads
- compact format for transmission
- handling map differences caused by different map vendors or versions

The industry goal of OpenLR is wide-scale adoption by the industry at large. OpenLR is therefore proposed as an open standard in an Open Source framework. It shall be usable for everyone dealing with locations and transmitting these between systems having dissimilar maps.

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