

## 5.0 Introduction to Data Cleaning, Upload, and Quality Assurance

In this section, Project Managers will find tools and resources to clean and upload field collected data to OpenStreetMap and manage data quality including:

- Step-by-step guides cleaning data in JOSM for upload to OpenStreetMap.
- Resources for data quality tools to use following upload to OpenStreetMap, including presentations.

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**Data Cleaning, Upload, and Quality Assurance** is a critical step in any mapping workflow. This process covers cleaning raw field data for errors and mistakes, uploading clean data to OpenStreetMap, and using various quality control tools to monitor data that has been uploaded. Regardless of how (and if) you are collecting field data, any project that results edits in OpenStreetMap should have a quality assurance and control plan.

- **5.1 Data Cleaning in JOSM** covers the process and steps required to clean field data and the uploading process using JOSM.
- **5.2 Quality Assurance Tools** provides a guide to tools HOT uses for monitoring and checking data quality of data uploaded to OpenStreetMap.

*The following presentation(s) can be used to lead a training or workshop:*

- Quality Assurance Tools