LiDAR Deliverable Acceptance Checklist

A checklist for clients receiving a LiDAR dataset. Work through it before accepting the deliverable or using it for design decisions.

Project: _____ Supplier: _____ Date received: _____

1. Metadata

- ☐ Horizontal coordinate reference system stated (EPSG code): _____
- ☐ Vertical datum stated: _____
- ☐ Units stated (metres / feet)
- ☐ Acquisition date(s) and sensor or platform stated
- ☐ Point density stated and consistent with the specification

2. Accuracy statement

- ☐ Accuracy report provided
- ☐ Independent checkpoints used (not the same points used to constrain the data)
- ☐ Number and distribution of checkpoints described, including site edges
- ☐ Vertical accuracy reported separately for open ground and vegetated areas where relevant

Reported vertical accuracy: _____ Required: _____

3. Classification

- ☐ Classified point cloud supplied, not only derived products
- ☐ Classes used are listed (e.g. ground, low / medium / high vegetation, building, water, noise)
- ☐ Ground classification inspected at breaks of slope, embankments and walls
- ☐ Noise (birds, atmospheric returns, multipath) removed without removing genuine features

4. Derived products

- ☐ DTM / DEM supplied with cell size: _____
- ☐ DSM supplied if required
- ☐ Contours supplied with interval: _____
- ☐ Break lines manually checked or digitised where engineered slopes exist

5. Interpolation and gaps

- ☐ Areas with few or no ground returns identified (dense vegetation, water, shadows)
- ☐ Interpolation method for those areas documented

6. Visual checks you can do yourself

- ☐ Hillshade reviewed: crisp lines at real breaks of slope, no unexplained smears
- ☐ Cross-sections compared with the raw points at key features
- ☐ Edges of the site and areas under tree cover inspected

7. Formats and handover

- [ ] File formats as specified (e.g. LAS/LAZ, GeoTIFF, DXF)
- [ ] Tiling scheme and file naming documented
- [ ] Processing report supplied

Decision

Accepted / accepted with conditions / returned for correction

Notes: _____

Checked by: _____ Date: _____

More guides: www.flexyblogs.com/blog/dem-dsm-dtm-explained