

For a Successful High Definition Surveying Project:

DEFINE DELIVERABLES

- Outline of area to be scanned
- Final use
- Scan density (spacing)
- Areas for detailed scans
- Primary Control
- Coordinate system
- Drafting details, that is, spacing of the DTM, etc.
- Planimetric details needed
- Non-scanner data (done by conventional survey)
- Images from a regular digital camera or a multi-image from scanner

PLAN

- Safety
- An understanding of how a resection (free station) works
- Equipment needed from the region; tripods and tribrachs
- Location and setting of control and targets
- Scanner locations, accounting for the height of scanner relative to surroundings and areas not scanned due to “shadows”
- Schedule
- For potential problems; weather, traffic, keys for locked gates, etc.
- Crew briefing

FIELD EXECUTION

- Crew briefing
- Target placement and movement
- Help moving the scanner, moving and orienting targets, etc.
- Field notes; target height for specific dates and times, targets in specific ScanWorlds
- Scanning
- Review of the day; correct number of people, what worked and what could be improved, etc.
- Archive data