

TOPCON

MC Mobile



MC-Mobile


3D-MC Mobile How to Create Surfaces

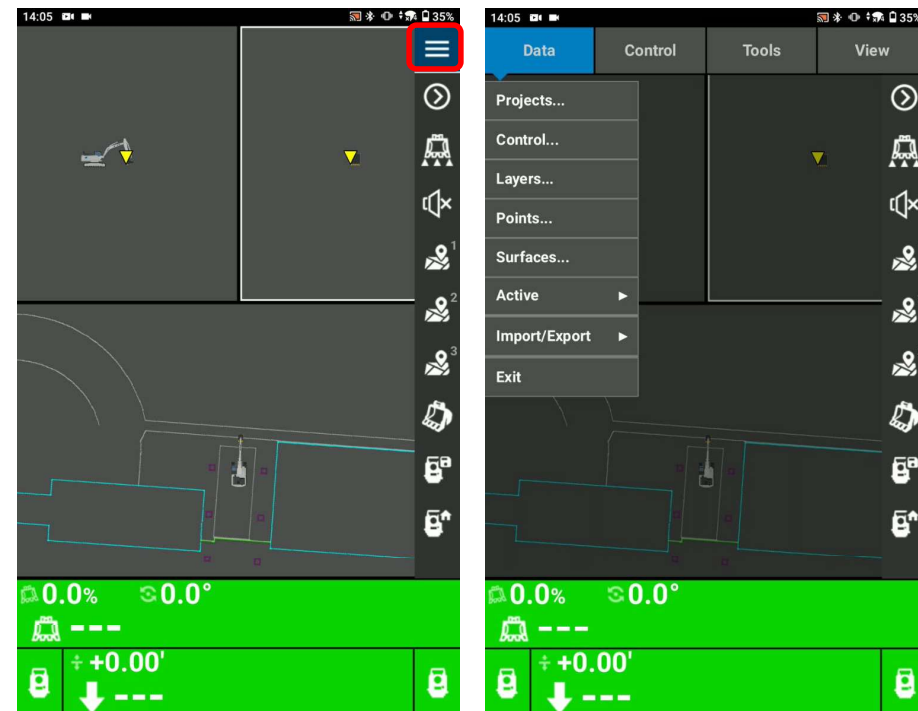
How to Create New Surfaces in 3D-MC Mobile

There are 7 options to create new surfaces and edit existing surfaces in 3DMC Mobile

1. Flat Plane Surface
2. Sloping Plane Surface
3. Crown Road Surface
4. Triangulated Surface from Topo Survey
5. Raise/Lower Existing Surface
6. Subgrade of Existing Alignment
7. Surface from Polyline to Alignment with template
8. Surface from Polyline to Alignment without template

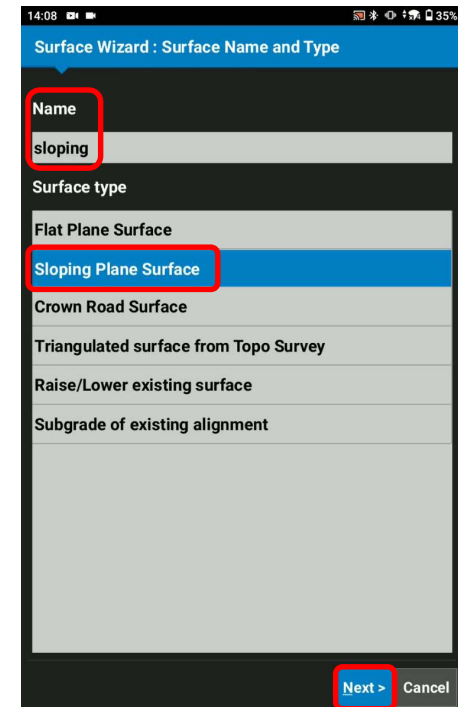
How to Create New Surfaces in 3DMC Mobile

- Select  to find the surface options
- Select Data
- Select Surfaces

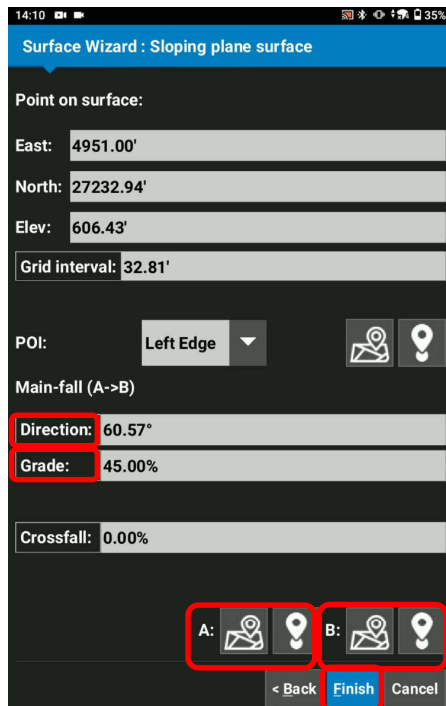


Sloping Plane Surface

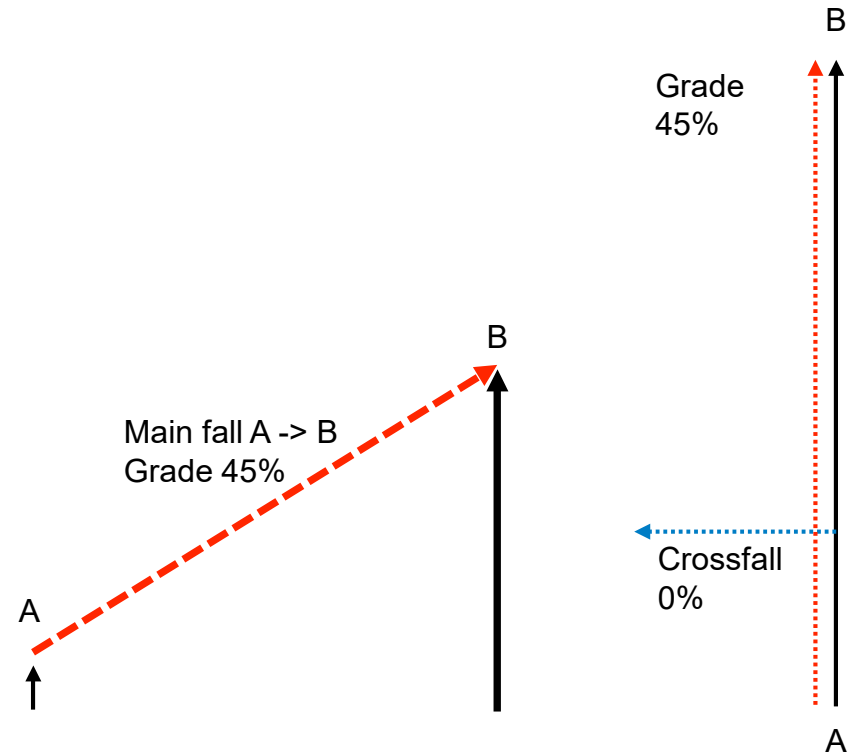
- Select Sloping Plane Surface to create a sloping plane surface
- Name your sloping plane surface
- Select Next



Sloping Plane Surface

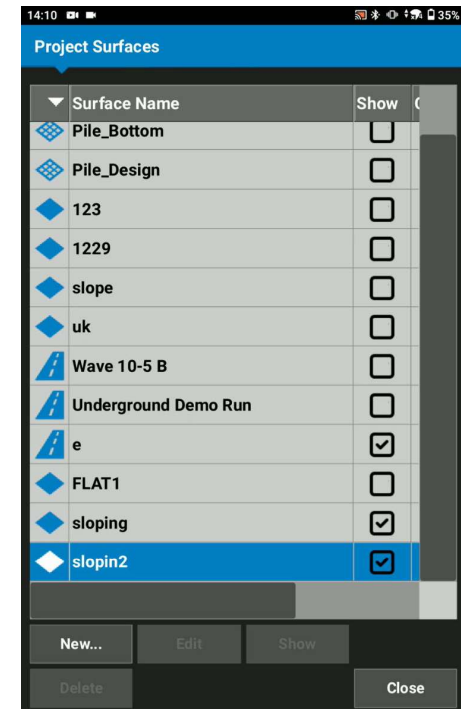
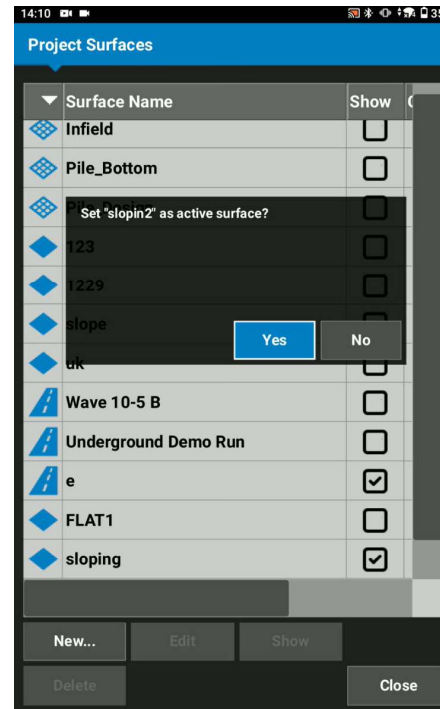


- Select Point of Interest of your bucket POI: Left Edge
- Select to take a Topo shot of your current bucket position for your sloping plane
- Or Select to pick up a known point for your sloping plane
- Input Grid Interval
- By collecting two points using the bucket or selecting two known points, Direction and Grade can be defined. (You can also manually input)
- Select Finish



Sloping Plane Surface

- Select Yes, Set “slopin2” as active surface ?
- Select Close



Sloping Plane Surface

- Ensure your created surface becomes your Cut/Fill Elevation reference
- Move your bucket and follow Cut/Fill value

