

More Efficient Staking Out...

System 500 makes the staking out of points simple. With low latency (<50 ms) and 10Hz position update rate (with NO degradation in accuracy), many points can be very quickly staked out.

But are you making the most of some less well known features....

Stake from ASCII file or Job?

It is always better to stake from a job. You can **sort** and **filter** points in a job, move through the list of points more quickly and the points that have been staked out are flagged.

An ASCII file is turned into a job using the **ASCII/GSI to Job** converter found in the **TRANSFER\ Menu**. The coordinates and point Ids in an ASCII file can be in any order, separated using any common delimiter. Remember, ASCII files should be stored in the **DATA** sub directory on the PC card.

GSI8/16 files can be instantly transferred – these files should be stored in the **GSI** sub directory on the PC card.

All points which are transferred are given the coordinate class of CTRL (control). If a point with the same ID and with class CTRL already exists in that job, then you are prompted to choose whether to copy and overwrite the existing point or not.

Stake from a SKI-Pro Project

Alternatively, you may wish to stake out points that are stored in a SKI-Pro Project. Use the **Sensor Transfer** component of SKI-Pro to transfer the project to the PC card (new functionality in SKI-Pro v2.0 makes this even easier now). This project will then

appear on the sensor as a job and the points can be staked out directly from this job.

New SKI-Pro v2.0 functionality also means that any codes attached to points are also transferred. You could then use the code filter on the sensor to only view and stake points of certain codes.

So now you have decided to always stake out from a job. How can the points be **sorted** and **filtered** which may help in staking out even more efficiently?

Sorting and Filtering

To set a sort or filter, you must first access the list of points. In the **STAKE-OUT** panel, put the focus on the line where you choose the point to be staked and press **ENTER**. All points that are stored in the **Stake Pts** job (the job chosen to stake points from) are now seen.

Press **SHIFT** and then **F6(FILT)** to access the **MANAGE/ Filter** panel. Most of these settings are straight forward to use, but some may be of particular use for stake out.



1. Filter by **Radius from Pt**: This allows you to choose a point from the **Store Pts** job (the job chosen where to store staked out and measured points) and a radius from this point. Only points in the **Stake Pts** job that lie within this circle are then displayed.

2. Filter by **Closest Point**: This finds the closest point to your current position and then the closest point to that point and so on. In this way, the

points are ordered in the most efficient way to stake them out.

3. Filter by **Code**: If you are staking out point with codes attached, then you can choose to display only the points with certain codes. This would allow you, for example, to only stake out points with **CB** (curb) or **CL** (road centre line).

4. Filter by **Layer**: Similarly, if your coded points are in different layers, then you can choose to display only the points with certain layers.

Remember, once chosen, all sort and filter settings are then applied to all panels where you can see a list of points (also in Point Management for example).

You can also use filters that are of specific use for staking out. In the **MANAGE\ Filter** panel press **F6(STAKE)**. Here you can choose to filter points by the points still to be staked (**Points to Stake**) or by points that have been staked (**Staked Points**).

This “Stake” filter is applied in addition to any other filter set in the **MANAGE\ Filter** panel. Thus it is possible for example, to filter for points that are still to be staked **AND** only of code **CB** and **CL**.

Remember

- It is always better to stake from a job than from an ASCII file.
- You can transfer SKI-Pro projects onto the PC card and stake from these directly.
- Various point filters can be set to make stake out even easier.

To be continued...