

Jobs, Configurations and Co-ordinate Systems...

This newsletter will discuss the relationships between jobs, co-ordinate systems and config sets.

Jobs

On the sensor, a job is where all surveyed points and data is stored. Choosing **5 Job** from the main menu accesses the **JOB** panel which is where jobs can be selected, created, edited and deleted.

Select an existing job by highlighting the job and then press **F1 CONT**. As long as the memory device (PC card or internal memory) has space, any number of jobs can be created. Individual jobs can be deleted (all points and data will be removed) or edited (the name, description and creator can be edited).

Remember it is also possible to create a new job in the **SURVEY\ Begin** panel – accessed after pressing **1 Survey** from the main menu.



Highlight the **Job** line, press **ENTER** and then create the new job in the normal manner.

Using Co-ordinate Systems with New and Existing Jobs

All points that are surveyed are stored in a job as **Geodetic WGS84** co-ordinates. But it is possible to attach a co-ordinate system to a job in order to view these WGS84 co-ordinates as more useful local co-ordinates.

However the points themselves are still stored as WGS84, the co-ordinate system simply allows the local co-ordinate values to be computed and displayed. The co-ordinate values are **not** converted. Always remember this: **Surveyed points are always stored as Geodetic WGS84 co-ordinates.**

Before discussing how a co-ordinate system is attached to a job, you should completely understand the following:

- One config set is always active on the sensor (see newsletter 4).
- One co-ordinate system is always active on the sensor.
- A co-ordinate system is **not** a parameter of a config set like all the other parameters that make up a config set. When you select a co-ordinate system within a config set you simply define that co-ordinate system to be the active co-ordinate system on the sensor.
- The active co-ordinate system can be changed without editing the config set itself. This is shown later.
- One job is always considered to be the active job. This is the job that was last created, selected or used. (Even after formatting the PC card, a **Default** job is immediately created and is then the active job)
- A co-ordinate system is always attached to every job (even if it is only the WGS84 co-ordinate system). Only one co-ordinate system can be attached to a job at one time and this co-ordinate system will always remain attached to this job unless you change it.

With New Jobs...

When you create a **new** job, the co-ordinate system that is currently active (as defined within the active config set) will automatically be attached to this job. If this co-ordinate system is not the one you wish to use with this job, you have 2 choices:

Choice 1: Change the co-ordinate system that is currently selected within the config set (Use **CONFIG, Survey, Position** to access the **CONFIGURE\ Position** panel).

This will also automatically change the co-ordinate system that is attached to the active job (in this case our new job). Of course this co-ordinate system will then also be attached to subsequently created jobs.

Choice 2: After selecting **1 Survey** from the main menu, you access the **SURVEY\ Begin** panel. This panel displays the chosen job and the co-ordinate system currently attached to this job. Press **F6 (CSYS)** to select the required co-ordinate system.

This co-ordinate system will then be attached to the job and will **also** automatically become the active co-ordinate system on the sensor.

This means that the co-ordinate system previously selected within the active config set will also be changed. Even if a **Default** config set is active, the co-ordinate system defined within this default config set will be changed.

Remember...

The co-ordinate system is **not** a parameter of a config set.

To be continued...

