**Information required for data file conversion.**

To ensure compatibility with Trimble Business Centre, and facilitate fast data file conversions, the following information must be provided to create machine files.

1. Most projects necessitate **3D linework and 3D surface**/TIN data to be provided. Following are the preferred file formats for 3D linework and 3D surface/TIN data:

* .dwg/.dxf
* .xml
* .12da
* .dgn
* .tp3

1. Construction drawings can also be helpful for data validation and cross-checking. If only 2D data has been provided, then it may be possible to elevate the data using the drawings. Please provide all relevant 2D data as vector .pdf files.
2. Confirm what surfaces and linework is required for the project. For example:

* Straight conversion of surfaces provided and linework to suit.
* Additional linework for stormwater or sewer
* Subgrade or finished surface level models.

1. Confirm the **project survey co-ordinate system** and if a site calibration is to be done or published co-ordinate system used.

The following calibration and control file types can be used:

* .tp3 or .gc3
* .job
* .csv (control points only)
* .cal or .cfg
* .dc
* .loc

1. Confirm the Trimble equipment type and firmware version that the files are required for.

If files are for the Trimble Earthworks system, please specify the preferred design file format of either .dsz or .vcl.

1. Please fill in the section 7 – 15 on the next page and email with data files(s) to: [data.services@sitechsolutions.com.au](mailto:data.services@sitechsolutions.com.au)

**Design file details:**

1. Purchase Order Number if you have an account or put COD if you are a cash customer. (**Note: Without this the Data Prep cannot proceed**)

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1. What is your Project Name? (This displays on the controller and EarthWorks machines. If it is an existing project, the name will need to match exactly to avoid clogging up the screen with multiple projects.)

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1. Are the designs for UTS or GNSS? (If UTS only, skip to twelve. Please remember to supply a control point file in CSV format if it is for UTS only or GNSS.)

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1. Which coordinate system/ calibration file is used in your project? (GDA94 or 2020. If you have a calibration file, please supply this in the format in point 4.)

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1. Which coordinate zone is your project located? (Zone 55, 56, etc.)

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1. Was a geoid used, and if ‘yes’ please specify: (ausgeoid 09, ausgeoid 2020.)

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1. What name would you like for your design? (This is for the operator to select on the controller or the machine. i.e. Road 1 finished surface)

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1. Which surface is needed for cut /fill values in the files you have supplied? Name them.(If there is only one surface, this will be supplied.)

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1. Which lines would you need the operator to see on the screen? (In the controller and/or the machine. i.e. Centreline, edge of paving, v-drain)

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1. Which Trimble machine control system is the files for? (GCS, EarthWorks, etc.) Please state if you need this for a controller.

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