



Trimble Access Custom Stylesheet

12d Fld Stylesheet – May 2024

Revision:	Release Date:	Changes:
12d fld format file UPG Generic V1	14/07/2022	Original release
12d fld format file UPG Generic V2	13/09/2022	Fix stringing issue for line codes
12d fld format file UPG Generic V2.1	11/10/2022	Add "Output grid coordinates with attributes only" option
12d fld format file UPG Generic V2.4	23/11/2022	Add multiply new observation attributes and simplify the export options
12d fld format file UPG Generic V2.5	23/02/2023	Add export option for point code length. Remove the "Feature Attributes" grouping.
12d fld format file UPG Generic V2.6	18/05/2023	<ul style="list-style-type: none"> ➤ Add export option for Alpha/Numeric code separation. ➤ Add support for Control codes. ➤ Add support for Multi coding on points.
12d fld format file UPG Generic V2.61	6/06/2023	Fixed an attribute export duplication.
12d fld format file UPG Generic V2.62	8/08/2023	Add extra attributes for job details entered in Access
12d fld format file UPG Generic V2.7	16/05/2024	Fixed issue with Mult coding and how attributes are assigned to points. Now also exports attributes that have blank values.

Description:

The 12d fld format file style sheet produces an output file in the 12d Model fld format to allow the field data from Trimble equipment to be imported directly into a 12d Model project.

Coding Notes:

Supports Total Station Observations, GNSS RTK and PP Points

- All TS Station Setup including Resection, Station Setup and Setup Plus are Supported.
- Basic Rules for Code and String numbers.
 - o The portion of the point code prior to the first space is used for the code and string number. **“Codes cannot have spaces in them”**.
 - o The number of characters for the code portion is set at export using the *“Minimum number of characters for the point code”* and *“Alpha-numeric separation for string numbers”* options.
 - o Multi coding on points is supported.
 - o The portion after the first space is used for the point **control code**.
 - Start Arc code = SNTA
 - End Arc code = ENTA
 - Close Line code = CLO
 - Begin Line code = STA
 - End Line code = END
 - Remove Ht code = IGL

The control codes are hard coded in the .xsl but can be edited in the Stylesheet using a text editor as required by the user to suit their actual FXL file.

Note: These codes should only use letters and not numbers. They can be found on line 90 of the file.

```
<xsl:variable name="startArcCode">SNTA</xsl:variable>
<xsl:variable name="endArcCode">ENTTA</xsl:variable>
<xsl:variable name="closeCode">CLO</xsl:variable>
<xsl:variable name="removeHtCode">IGL</xsl:variable>
<xsl:variable name="beginStringCode">STA</xsl:variable>
<xsl:variable name="endStringCode">END</xsl:variable>
```

Export Options:

- Export option to **Create 12d resection record.**
- Export option to **Output resection residual summary.**
- Export option to **Include Observation QC Attributes.**
 - o *Time and Date of the Measurement*
 - o *Target and Prism information*
 - o *TPS Station Corrections and information*
 - o *GNSS Quality Information (DoP, Hz & V Precisions, Nr of Satellites, etc)*
 - o *Equipment details*
 - o *Observation data*
- Export option to **Output grid coordinates with attributes only** - *outputs grid coordinates instead of raw angle and distance observations for TPS.*
- Export option for **Alpha-numeric separation for string numbers** - *If the code comprises only letters and numbers for stinging, the code is split into two elements: a "code" element and a "string number" element. The "code" element represents the alphabetic portion of the code, while the "string number" element contains the numeric portion.*
- Export option to set the **Minimum number of characters allowed for the point code, 1-6** – *This is a good option if using codes that contain both alpha and numeric values or just numeric and only applies if the above option is "No". The number you set here is where the "code" and "string number" will be split. The code portion will be a constant length.*

Export Pane in Trimble Access - 12d fld format file UPG Generic V2.62.xsl

☰ Export
☆

<p>File format <input type="text" value="12d fld format file UPG Generic v2.6"/></p> <p>View created file <input checked="" type="checkbox"/></p> <p>Create 12D resection record <input type="text" value="No"/></p> <p>Output grid coordinates with attributes only <input type="text" value="Yes"/></p> <p>Minimum number of characters allowed for the point code (1-6)? <input type="text" value="2"/></p>	<p>File name <input type="text" value="???.fld"/></p> <p>Include Observation QC Attributes <input type="text" value="Yes"/></p> <p>Output resection residuals summary <input type="text" value="No"/></p> <p>Alpha-numeric separation for string numbers? <input type="text" value="Yes"/></p>
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Please contact anztoolbox@sitechcs.com if you have any questions.