



Trimble Access Custom Stylesheet

12d Fld Stylesheet – August 2026

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	➤ 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.

12d fld format file UPG Generic V2.8	10/03/2026	Stop blank integer and numeric attributes being exported. If they were blank, it caused an error in 12d. Also made it replace "/" with "_" as this would cause an error in 12d.
12d fld format file UPG Generic V2.81	13/03/2026	Fixed some attribute information for the GNSS rover and base details that had stopped being written.
12d fld format file UPG Generic V2.82	30/06/2026	Fixed import to allow raw data from single backsight station setups
12d fld format file UPG Generic V2.83	20/08/2026	Change to how target heights are written out for sets of rounds due to a Trimble Access update. Now also reads the "ApplyPPMToRawDistances" flag in the new jxl V5.0 schema and applies the PPM correction as required.

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 93 of the file.

```
<xsl:variable name="startArcCode">SNTA</xsl:variable>
<xsl:variable name="endArcCode">ENTA</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 stringing, 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 V2.83.xsl

Export

File format

12d fld format file UPG Generic v2.8 ▼

File name

??fld 

View created file

☐

Include Observation QC Attributes

Yes ▼

Create 12D resection record

Yes ▼

Output resection residuals summary

Yes ▼

Output grid coordinates with attributes only

Yes ▼

Alpha-numeric separation for string numbers?

Yes ▼

Minimum number of characters allowed for the point code (1-6)?

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Please contact anztoolbox@sitechcs.com if you have any questions.