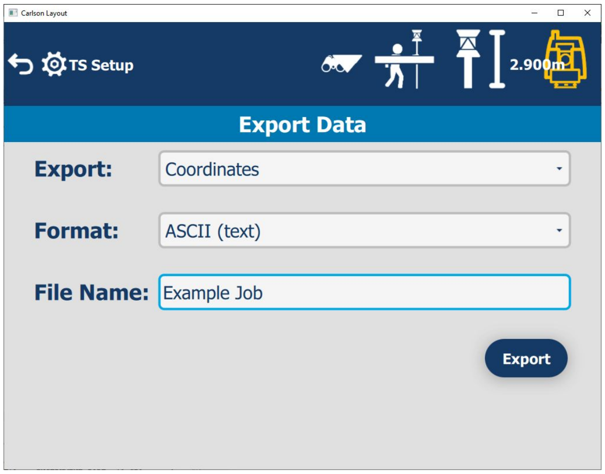
Ascii Point Import/Export/Report Template files

Carlson Layout uses open source NLTemplate formatted files to define the format for ascii file point import/export. NLTemplate format is also used for point export to CSV and HTML files.

In Windows default templates are installed into
C:\Users\"user"\AppData\Local\CarlsonLayout\Config\PredefinedTemplates

In Android default templates are installed into
Internal Storage/CarlsonLayout/Config/PredefinedTemplates

Users can make copies and modify the default templates to create custom file import/export formats. Any file with the .io extension added to the template folder will be listed in Layout as a possible ASCII Coordinate file format to be imported or exported.

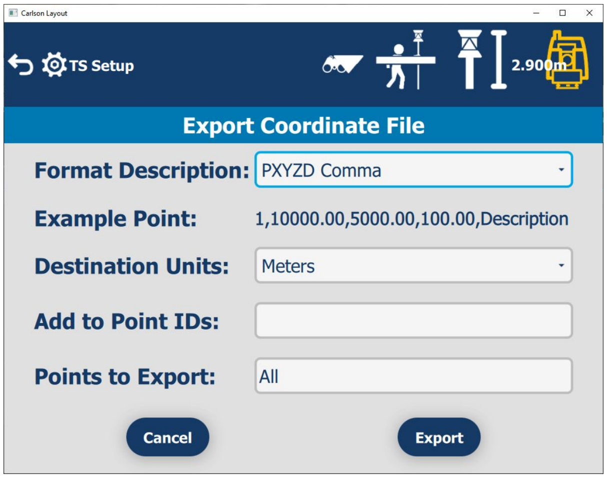


Export Data

Export: Coordinates

Format: ASCII (text)

File Name: Example Job



Export Coordinate File

Format Description: PXYZD Comma

Example Point: 1,10000.00,5000.00,100.00,Description

Destination Units: Meters

Add to Point IDs:

Points to Export: All

It is recommended to name the files in a way that communicates the format,as the filename will be displayed as the format identifier in the combo box.

Here is an example 2 line file **PXYZD Comma.io**

```
{% block point %}{{ PTID }},{{ X }},{{ Y }},{{ Z }},{{ DESC }}
{% endblock %}
```

Everything between {% block point %} and {% endblock %} will be repeated for each point in the file during the export. The following tags are available to identify fields:

{{ PTID }}
{{ X }}
{{ Y }}
{{ Z }}
{{ DESC }}
{{ LAYER }}
{{ DATE }}
{{ TIME }}
{{ HSDEV }}
{{ VSDEV }}

Tag Notes

Date and Time tags are in UTC format.

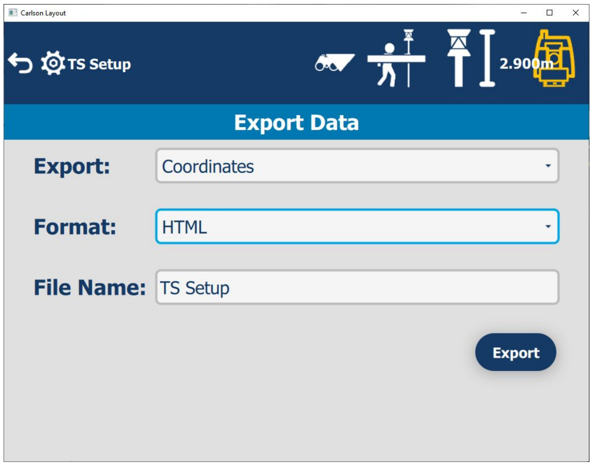
In the **PXYZD Comma.io** example you can see that commas separate the fields. Since {% endblock %} is on a second line, each point will be inserted on a separate line.

Text in the file before {% block point %} will be exported before the list of points and text after {% endblock %} will be exported after the list of points. This allows for creating header and footer information in the output. Text in between the {% block point %} and {% endblock %} tags will be repeated for each point.

It is possible to insert another file inside the template file using this syntax:
{% include example.txt %}
When including another file, it is as if that file were inserted inside the other file. This is helpful if you have a standard header or footer that you want to add and use for all of your templates.

Export HTML/PDF Coordinates

The NLTemplate format is also used for exporting point coordinates to HTML, PDF and CSV.



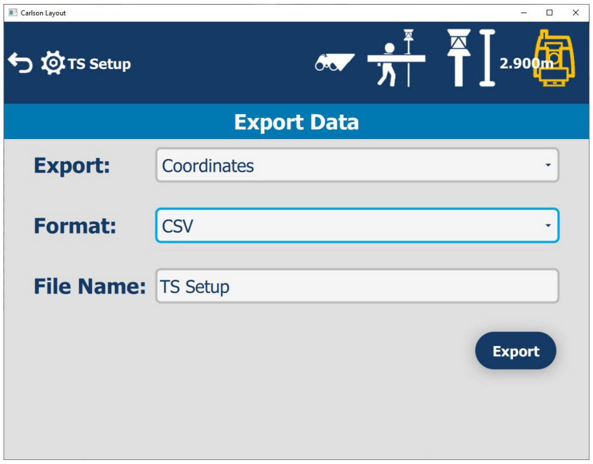
Export Data

Export: Coordinates

Format: HTML

File Name: TS Setup

The Point Coordinate HTML and PDF reports are generated from the file point_report_html_template.txt in the PredefinedTemplates folder.



Export Data

Export: Coordinates

Format: CSV

File Name: TS Setup

Point Coordinates CSV reports are generated from the file point_report_csv_template.txt.

Examples:

1)

Point_report_html_template.txt

Output: html file

```
<html><body>

<head>
    <style>
        th {text-align:left; font-size:10pt;}
        tr {text-align:left; font-size:10pt;}
    </style>
</head>

<h2 style="text-align: center; width: 100%;">Point Report</h2>

<table width="100%">
  <tr>
    <th>Pt ID</th>
    <th>X</th>
    <th>Y</th>
    <th>Z</th>
    <th>Desc</th>
  </tr>
{% block point %}
  <tr>
    <td>{{ PTID }}</td>
    <td>{{ X }}</td>
    <td>{{ Y }}</td>
    <td>{{ Z }}</td>
    <td>{{ DESC }}</td>
  </tr>
{% endblock %}
</table>

</body></html>
```

2)

Point_report_csv_template.txt
Output: csv file

```
Pt ID,X,Y,Z,Desc
{% block point %}{{ PTID }},{{ X }},{{ Y }},{{ Z }},{{ DESC }}
{% endblock %}
```