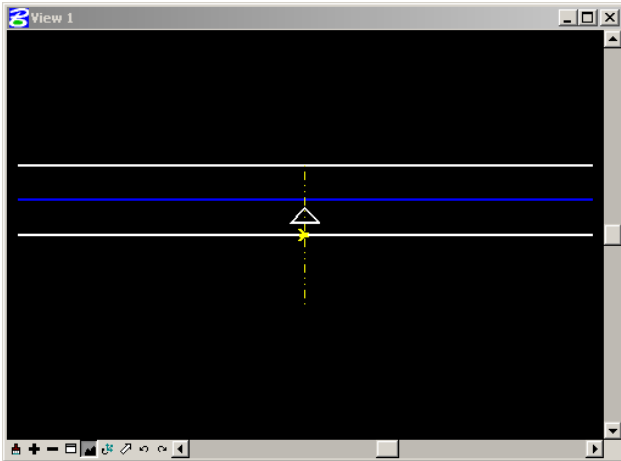


Plans XML Exporter

Developed by dhp11 for use with PLANS Signalling software, this MicroStation¹ add-on exports the plans schematic to a variety of report formats, such as XML, CSV, and PDF.

BASIC PLANS DIAGRAM

Here is a view of a basic PLANS diagram in Microstation. It shows a Line Of Way (LOW), two tracks and a single AWS magnet.



Equipment (in this specific case an AWS) is associated with a track and a Line Of Way (LOW). Information about the equipment, track and LOW can be exported. Basically, any information which the PLANS review tools can display can be exported.

PLANS REVIEW TOOLS

If you review the AWS magnet, LOW, and Track, you have access to information such as the following:

<p>Distances :</p> <ul style="list-style-type: none"> • Start • End • Units • Type
<p>Angles:</p> <ul style="list-style-type: none"> • Start • End
<p>General:</p> <ul style="list-style-type: none"> • Low Id • Line Speed • Status • TC Name • Line Name
<p>Interlocking:</p> <ul style="list-style-type: none"> • Number • Name

PLANS XML EXPORT

The plans exporter can be controlled using dialogs or configured to run from custom menus.

The output of this example as XML looks like this:

```
<dhp11:PLANSExport>
  <Low ID="12">
    <Name>101</Name>
    <Start units="m">234.000</Start>
    <End units="m">7831.000</End>
  </Low>
  <Track ID="23">
    <Start units="m">234.000</Start>
    <End units="m">583.241</End>
    <LowRef>
      <Ref type="active" ID="12" />
    </LowRef>
    <Linespeed>50</Linespeed>
    <Status>Existing</Status>
    <TrackCircuitName />
    <LineName>1100 Up Fast</LineName>
    <Interlocking />
  </Track>
  <Equipment ID="652">
    <Mileage units="m">2626.780</Mileage>
    <LowRef>
      <Ref type="active" ID="12" />
    </LowRef>
    <Type />
    <Interlocking />
    <TrackRef>
      <Ref type="active" ID="23" />
    </TrackRef>
  </Equipment>
</dhp11:PLANSExport>
```

OTHER REPORT VARIATIONS

Aswell as exporting in XML, the plans exporter can generate CSV and PDF reports also which can also be stylised with the use of user defined templates.

REQUIREMENTS

- Microstation V8
- PLANS Cad Signalling Software
- dhp11 Plans Exporter Add-in

MORE INFORMATION

For more PLANS information visit <http://www.plans.westinghouserail.co.uk/plans.nsf/>

For more information on the dhp11 Plans Exporter add-on for MicroStation email derek.hunter@dhp11.com or telephone 01142 899393.

¹ "MicroStation" is a trade mark of Bentley Systems Inc.