Planevision
SYSTEMS

Application Note - AN102

JetView-S outlines and waypoints file formats

0.   General

JetView-S can display user generated waypoints and outlines. The format used is mostly compatible with the format of Kinetic Basestation map files.

0.1   Applicability of Application Note

Planevision Systems device	Applicable	Remark
PlaneTRack, all types	Yes	

0.2   Record of Revisions

Version	Date of issue	Revision
1.0	23 Jan 2016	Initial release

1. Folder and files organization

All files ending with .wpt or .out and residing in a folder below the jetviews.exe file will be scanned. Folders can have any name.

2. Waypoint (.wpt) file format

To add a waypoint, you need to create a new file using e.g. Notepad in the directory of jetviews.exe. The file should be named "something".wpt (e.g. "uuww.wpt").

Comments are marked by a ; as first character of a line.

Each waypoint should be entered as a single line in the file. It must be in the following format:

Description, Waypoint Label, Waypoint Type, Detail Level, Latitude, Longitude, Elevation

Description
This is a name for the location. This entry is not processed in JetView-S

Waypoint Label
This is a label for the waypoint as it will be displayed on the map. This parameter can be left blank.

Waypoint Type
The waypoint type indicates of what type the waypoint is (examples of types are airport, VOR, NDB). The types and colours defined are visible in the COLOR menu of JetView-S.

Detail Level
This entry is not processed in JetView-S

Latitude
This is the latitude of the waypoint in decimal degrees.

Longitude
This is the longitude of the waypoint in decimal degrees.

Elevation
This is the elevation of the waypoint, and should be given in feet AMSL.
This entry is not required in JetView-S

Example
Moscow,UUWW,2,1,61.655825,29.325852778,334

Note that Western longitudes should be entered as negative values, as should southern latitudes.

3. Outlines (.out) file format

To add outlines, you need to create a new file using e.g. Notepad in the directory of jetviews.exe. The file should be named "something".out (e.g. "uuww.out").

Here is an example of part of an outline file:

{ Coast outlines }
$TYPE=3
21.67+92.02
21.63+92.00
21.60+92.02
21.57+92.00
21.52+92.00
-1

Anything between "{" and "}" is treated as a comment, and is therefore ignored.

The $TYPE= statement is used to indicate which type of outline the following lines are. A value of 3 (as in the example) indicates that the line (and all following lines until the next $TYPE statement) is of type coastline. The types and colours defined are visible in the COLOR menu of JetView-S.

An outline contains a number of lines, each defined as a sequence of latitude-longitude values.

Each latitude-longitude pair consists of the latitude followed by a "+" symbol followed by the longitude, for example:

21.67+92.02

For negative (S/W) values:
-21.67+-101.99

Multiple latitude-longitude pairs MUST NOT be placed on a single line.

To indicate the end of the line, a single -1 value is entered.

Make sure only values >=-180.00 to <=180.00 are entered and all characters are numbers between 0..9 and + or - characters. Other characters may abort the map creation process or halt the application.

4. Activating/deactivating a map file folder in JetView-S

At the bottom of the COLOR menu select/deselect the folder of choice. Then press APPLY FILES.

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