

Exporting Node Coordinates and Descriptions to File

Overview: The coordinates and descriptions of specific items in a project may need to be exported to a text file for the purpose of uploading into a survey controller for staking out or for bringing into another project. Creating nodes at those locations is needed for export of the data.

Eagle Point Steps

Notation Method

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| Button to Press <i>Displayed Text</i> Icon <u>Action</u> {Text to Enter} <u>Menu Item</u> ... |
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Creating Nodes to be Exported

Set Up Entry Options

1. From EP Click *Products... COGO... Settings... Entry Options... Node Placement...*
2. Input a Node ID for labeling. E.g. {EXP1} for nodes to export. (It must end with a number) (Data collector must be set to use alphanumeric record numbers)
3. Input Elevation as *Constant & {0}* (or use *Inherit* if the Nodes you will be placing need to have an elevation)
4. Pulldown Field Code default to *CLR* if you only want label and elevation of node to show. Or Pulldown to *HUB* to have N & E show up in CAD.
5. Pulldown Description to *Use Field Code*.
6. Click **OK**

Place Nodes along an Object in CAD

7. From EP Click *Products... COGO... Nodes... Snap to Object...*
8. Click **Next**
9. Select the polyline that has the corners of the Clearing Limits. (or press enter to get out of AutoCAD selection mode)
10. Press Enter
11. Click **Next**
12. Uncheck Do Not Place Duplicate Notes
13. Click **Apply**
14. Click **Snap Options & Descriptions**
15. Input {CLR} (for Clearing Limit) as the Line Endpoints.
16. All other Points could be Unchecked. Click **OK**
17. Click **Apply**
18. Click **Close**

Printout Listing of Nodes

19. Click *Report... Nodes...*
20. Pulldown to *Name*
21. Input the Node Prefix letters used earlier {EXP}. This is case sensitive.
22. Click **Apply**
23. You can do multiple selections or AutoCAD selection method also.
24. Click **Close**

25. View the report and Click the **Print Icon**.
26. When done printing Click **Close**.

Export the Nodes to a Coordinate File

1. From EP Click *Products... Data Collection... Jobs... Export Nodes...*
2. Browse to the location to save the export file and input a filename.
E.g. {Fopma Stakeout.txt}.
3. Click **Save**
4. Select the Format as *Coordinate*.
5. Click **OK**
6. Select Points Based on Node Label Prefix
 - a. Pulldown to *Range*
 - b. Checkmark Prefix
 - c. Input the Node letters used earlier {EXP}. This is case sensitive.
 - d. Make sure that From: & To: include the numeric range of the nodes.
 - e. Click **Apply**
7. **And/Or**, Select Points by selecting them in CAD.
 - a. Pulldown to *AutoCAD*
 - b. Click **Apply**
 - c. Use AutoCAD selection methods to select the Nodes that you want.
 - d. Press **Enter**
8. The number of nodes selected will appear.
9. You can use any of the other selection methods also.
10. When done Click **OK**
11. Export Complete. Click **OK**
12. What's Next? –
 - a. For uploading the coordinate file for stake out, use the data transfer software for the survey controller.
 - b. Or, the coordinate file can be used to import the points into another project.
 - c. Or, use Eagle Point to upload the file to the .

Eagle Point Upload the Coordinate File to the Data Collector

(This option may work for survey controllers that connect via the serial port.)

1. From EP Click *Products... Data Collection... Jobs... Upload to Collector...*
2. Pulldown upload Data from *File*
3. Select the correct Format for your collector. E.g. *Sokkia SDR 33*
4. Select serial port-E.g. *Com1*
5. Select baud rate - E.g. *9600*
6. Select data bits- E.g. *8,none*
7. Click **OK**
8. Have Data Collector ready and then press **Enter**
9. Input a name for the new Data collector file {CurtStake}
10. Press **Enter**
11. Press any key