Ferrovia
by **CGS Labs**

How to Change Station Format

Tutorial

CGSLABS

CGS Labs d.o.o.

Brnčičeva ulica 13

1000 Ljubljana

How to Change Station Format

Title: **How to Change Station Format**

Document date: 27. 09. 2024

Version: 1.0.

Printing: CGS Labs d.o.o.

T: +386 1 235 06 00

E: info@cgs-labs.com

Internet: www.cgs-labs.com

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Introduction

This tutorial will show how to change the station format.

1. Changing Station Format in Layout

1. At the beginning of the Layout tab, under Initial Setup, you can find the "Axis (22A31)" command.	
2. After launching this command, a new dialog box opens where you can find the parameter for the "Main element station", which has the ID 201019. 3. Double-click on the name of this parameter, "Main Element Station," and a new window will open. In this window, you will see that you have 20 different format options available for station notation. 4. In the next step, select the desired format and confirm by clicking OK.	

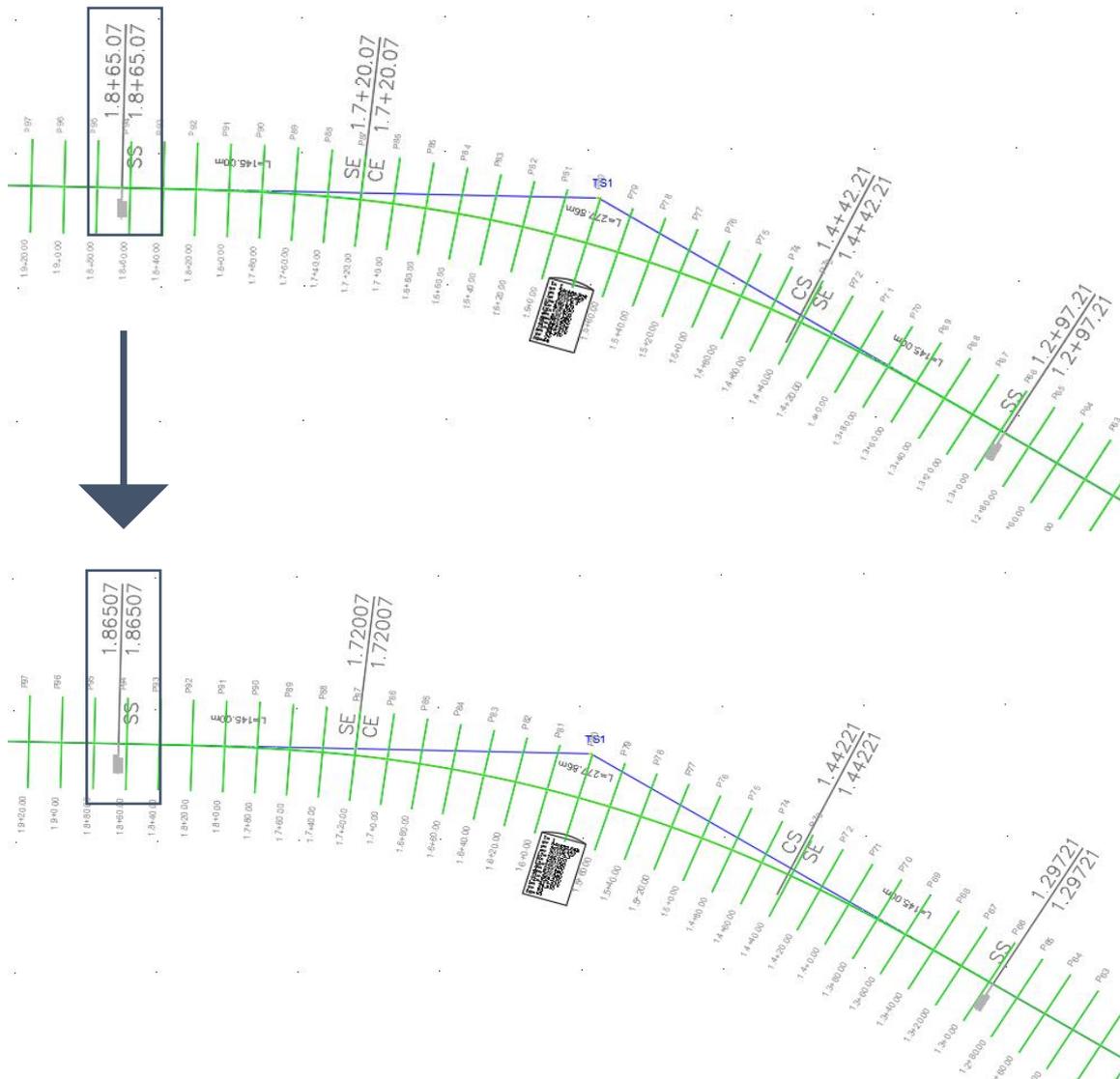### 1.1 Refresh Station Format in Layout

If you already have some stations in the layout, you need to refresh the layout to see the changes. However, if you set this from the beginning, you'll have these settings throughout.

1. Run the "Refresh Labels (22F9)" command. 2. Select the label redraw method and press OK. 3. The labels in the layout are now updated.	

The images below show different formats for station:

1.2 Other Settings for Station Format in Layout

In the program, you can find additional settings related to station format in layout:

201001 Klothoid-curve segment length (> 0):	1
201006 Logitudinal axis Station-labels	6
201007 Autoredraw longitudinal axis (1-Yes, 0-No)	1
201011 Section name for point on longitudinal axis	AXIS
201012 Maximum distance from longitudinal axis for writing points on lo...	0.10
201013 Label offset	-10
201014 Major labels step (0 no labels):	1000
201015 Minor labels step (0 no labels):	100
201016 Tick labels step (0 no labels):	20
201017 Minor tick size	2
201018 Major tick size	4
201019 Main Element Station	20

202001 Cross-axis station	1
202002 Checking for and erasing multiple cross-axes (0-No, 1-Yes)	1
202003 Distance between cross-axes for equidistant generation (>0)	20
202004 Superelevation-slope scale factor for superelevation labels (1-r...	0.25
202005 Superelevation-label text height (> 0)	2

2. Changing Station Format in Profile

In a similar way, you can change the station format in the longitudinal section. The commands can be found under the "Profile - Initial Setup - Settings (32A31)" tab.
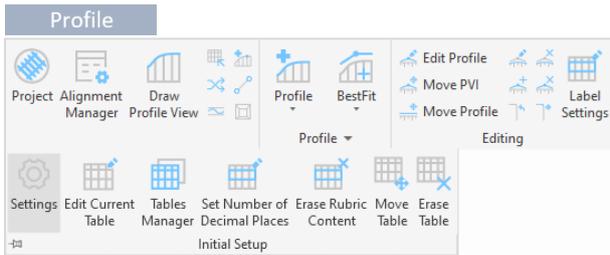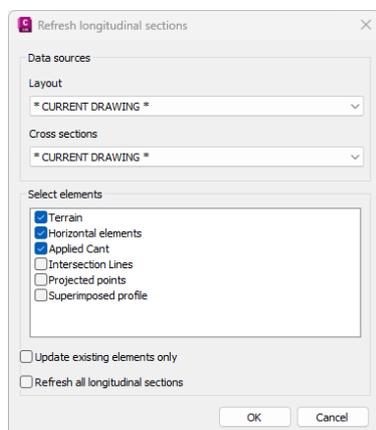

In the dialog box, you can then find the following parameters related to station format:

|	
300225 Label terrain data into rubrics (0-no, 1-yes)	1
300226 Base elevation symbol - distance from plot origin	2.
300230 Label terrain stations (0-no, 1-standard, 2-6- select format)	1
300231 Number of decimal places for terrain stations labeling	2
300232 Draw horizontal elements automatically (0-no, 1-yes)	1
320301 Vertical curve labeling style	111111111
320302 Maximum approximation error (<1.0) or number of segments (...	0.001
320303 Vertical curve station-labeling style (1=XXXX.XX, 2=X+XXX.XX, ...	1
320304 Vertical curve label text-color	7
320305 Vertical curve number-label text-color	4

2.1 Refresh Station Format in Profile View

To refresh the station format in the longitudinal profile, you need to run the "Refresh Profiles (32X)" command and ensure that the Terrain option is selected.

3. Changing Station Format in Cross-Sections

You can also change the station format in cross-sections. The commands for this can be found under the **"Cross-Section - Initial Setup - Settings (42A31)"** tab.
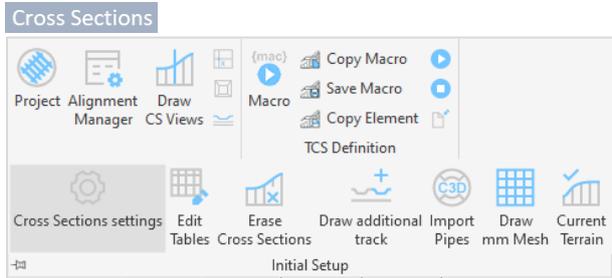
In the dialog box, you can then find the following parameters related to station format:

400410 Command 4C2: minimum distance between two points	0.2
400411 Command 4C2: minimum angle difference between three points...	2
400412 Station format	2
400420 Display minus sign "-" for negative distances from axis	0
400421 Rubric number for labeling terrain	3

3.1 Refresh Station Format in Cross-Sections View

To refresh the station format in the longitudinal profile, you need to run the "Refresh Cross Sections (42X)" command and ensure that the Terrain option is selected.