

Autodesk SPDS 2021 R3.1

Autodesk SPDS is an AutoCAD family products add-on to prepare drawings in accordance with the Russian standards (SPDS) – GOST R 21.101-2020

Product development is being conducted with the active participation of the users. If you have a feature request or a comment, you can post it on [the Autodesk Community forum](#).

Your opinion is important to us. You can also take a [survey](#) and enter your product wishes in the comments.

Autodesk SPDS 2021 R3.1 can be installed on AutoCAD 2021.

What's New in Autodesk SPDS 2021 R3.1

Fixed:

- Incorrect GOST number
- Occasional crashes when switching layout in some drawings
- The decimal separator in the level mark does not correspond to GOST
- Invalid decimal point at the level elevation on the plan after editing the elevation value
- Inability to create a copy of a layout after inserting a sheet frame using the Format command

In Previously Released Autodesk SPDS 2021 R3

Improved and added:

- SPDS object selecting command (SPDS SPDSNET_Select)
- Search and Replace Text command inside the SPDS SPDSNET_Find object
- Ribbon buttons for the new commands SPDSNET_Select and SPDSNET_Find
- In the Table Designer:
 - Command for saving a customized table template
 - Command to load a saved table template
 - Option to disable numbering of table rows
- A4 format landscape orientation

Fixed:

- GOST R 21.101-2013 replaced by GOST R 21.101-2020
- Link errors in the help

- Arc Axis Pattern - Changes to the style of angular dimensions are not saved
- Issue with custom title block
- Issue with saving custom title block
- Invalid stamp for a Text document
- Regeneration when using the command `_SPDSNET_NodeMark_Create`

In Previously Released Autodesk SPDS 2021 R2

Improved and added:

Dynamic tracking is now available while object creation and editing using grips, as well as drawing while dragging the following SPDS objects:

- View (SPDSNET_View_Create)
- Leader for multilayer structures SPDSNET_MTextLeader_Create
- Boundary shading (SPDSNET_BoundingBoxForm_Create)
- Allocation Range (SPDSNET_AllocationRange_Create)
- Dynamic construction of SPDS objects
- Filling holes (SPDSNET_HoleFilling_Create)
- Changing the style of an object through properties
- End marker (SPDSNET_EndMarker_Create)
- Marking of linear structures (SPDSNET_CLineMark_Create)
- Array of arc axes (AxisArcGrid):
- Array of linear axes (AxisLineGrid)
- Array of axes (SPDSNET_AxisCoordGrid_Create)
- View designation (SPDSNET_ViewSymbol_Create)
- Room designation (SPDSNET_AreaMarker_Create)
- Section designation (SPDSNET_ViewSymbol2_Create):
- Weld joint designation (SPDSNET_DeadJoint1_Create)
- Node designation (SPDSNET_NodeMark_Create)
- Slope designation (SPDSNET_DipKey_Create)
- Fragment designation (SPDSNET_FragmentMarker_Create)
- View designation (SPDSNET_ViewSymbol_Create)
- Break (SPDSNET_BreakLF_Create)
- Area Mark Object
- Separate arc axis (AxisArc)
- Single axis (AxisLine)
- Single axis (SPDSNET_AxisLine_Create)
- Level mark (SPDSNET_LevelMark_Create)
- Level mark on the plan (SPDSNET_LevelPlanMark_Create)
- Positional leader SPDSNET_PosLeader_Create
- Positional marker (SPDSNET_PositionalMark_Create)
- Section \ Section (SPDSNET_Section_Create)
- Welded leg (SPDSNET_WeldLeg_Create)
- Weld seam (SPDSNET_WeldAssembly_Create)
- Weld seam (SPDSNET_WeldJoint_Create)
- Section (SPDSNET_Section_Create)
- Connections of plates and bars (SPDSNET_WeldAssembly1_Create)
- Nodal Leader (SPDSNET_NodalLeader_Create)
- Nodal secant SPDSNET_NodalSecantLeader_Create
- Chain Leader (SPDSNET_ChainLeader_Create)

The ability to optionally add a leader to the room marker when it is located outside the boundaries of the measured area

Dialog box for editing a room marker

The ability to sort data when creating tables in the "Create Table" command
(SPDSNET_TableCreator_Create)

Fixed:

_SPDSNET_AreaMarkerPoint_Create - specifying a point inside an area with an ellipse or spline border

Area mark - Decimal separator property

SPDSNET_CrestedLeader_Create - Object Snap when editing grips

SPDSNET_NodalLeader_Create - behavior after text wrapping

Unhandled exception when trying to export a style

Fill Holes - Style Options and Anchor Points

Editing Leader Objects with Grips

AreaMark - type 2 leader line indents and room type 3 text shelf length

Marking Linear Structures When Moving a Handle

Inability to delete an SPDS object style

Incorrect field name Axis name 2

Parameter designation in style and positional leader anchor points

End Marker line type

Critical errors fixed:

The area of internal "islands" included into calculation in the _SPDSNET_AreaMarkerPoint_Create command

Copying and moving the level mark on the plan - SPDSNET_LevelPlanMark_Create

Changing the Color and Layer Properties for a Custom Style Positional Marker in the Style Editor

Applying new parameters through the properties panel.

Importing a custom "Section" object style

When copying an array of axes between drawings;

When canceling the creation of SPDS objects using the Cancel command;

Command WeldJoinConvert;

Baseline mark LevelMarkAlign;

Adding linetypes to all open drawings

When you move the handle of the "Marking Linear Structures" object;

In Previously Released Autodesk SPDS 2021

Added:

4K monitors support;

UNDO command support while editing objects using grips (Ctrl+Z);

Ability to calculate the area of the rooms using polylines with arc segments - (_SPDSNET_AreaMarkerPoint_Create);

Additional object snap connections with axes;

Command to load SPDS linetypes into a drawing (SPDSNET_Lines);

Improved security of loading configuration XML files;

Support for displaying SPDS objects' text with the stretch and oblique fonts

Separate installers for Russian and English versions

Fixed:

Object snap support for creation of Level Marks

Multiple help topics;

Width of text block of technical inscriptions;

Incorrect centerline thicknesses;

Position of additional arrows when displaying an extension line in the Positional Leader command; Hiding break areas when exporting those to AutoCAD;

Using fonts and line weights in stamps;

Level Marks behavior while using Stretch and Move commands;

Preserving dimension color when transferring the Array of axes style between the drawings;

The Axis Array dimensions are not associated with the assigned layer;

The value of the slope designation in degrees, taking into account the specified accuracy;

Ignoring the value of a variable DRAGMODE;

The error in roughness designation of the of the welded joint with annotative scales greater than 1;

Displaying annotative SPDS objects when changing viewport scale;

Ability to grip edit boundaries of non-associative hatches

Critical errors fixed:

Occasional crashes copying array of axes between the drawings;

Occasional crashes canceling the creation of SPDS objects;

Occasional crashes using WeldJoinConvert command;

Occasional crashes using Base level mark of LevelMarkAlign command;

SPDS line types are not automatically added to the drawing when using the SPDS module

Occasional crashes using UNDO command after copying SPDS objects