



Trimble Communication Network

Release notes 21.2.0

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Information

This document describes the development in the software Trimble Communication Networks (TCN).

It begins with the System requirements and continues with a brief information regarding limitations and known issues that has appeared in recent versions.

If you feel that these are severe enough to have an impact on the daily use of the system, it might be wise to wait with the upgrade until the issues have been solved.

Please notify Trimble if this is the case since it can affect the priority of the development.

Next comes information regarding the installation process.

Normally the updates are installed through the TCN update client, but in some cases the installation may differ.

Finally you can read information about each TCN version, starting with the latest release.

If the information begins with an ID number, it is a case number.

The same number will be received if you have opened a support case that results in a bug report or a request for development.

With this it is easy to see if a specific case has been resolved.

Note that this case number is NOT the same as the support case number.

The case number may also be referred to in contacts with Trimble if you have questions regarding a specific item.

System requirements

SQL Server

In order to upgrade to version 18.1.1 or later by using the update client, SQL Server 2012 or later is required. It is possible to use SQL Server 2008 R2 for this version, but some functionality will be missing. Also, a manual installation and some adjustments of the existing update scripts are necessary. We recommend that the system is moved to a later version of SQL Server.

Operating system

Windows 10

TCN may also be installed on Windows 7. However, the system is neither developed nor tested against that operating system.

Limitations and known issues

- The function for documenting In-building networks is still under development and should be considered a beta version with some limitations.
Trimble will gratefully receive your comments on the function for future development!
- It's not possible to restrict access to customer information.
- Free attributes are not included in reports.
- Before you can add Free attributes to new locations, cables and connections they must be saved.

Installation and upgrading

Upgrades to version 21.2.0 can be made through the update client (TCNDBUpdateClient).

To be able to upgrade to 21.2.0, you need to obtain version 18.2.1 of the update client.

If you try to upgrade with an earlier version of the update client there will be an error message and no upgrade is carried out.

If you already have downloaded the latest update client you don't need to do it again.

The update client can be downloaded from http://www.tcn.tekla.com/TCN_ENU/UpdateClient.htm.

Version 21.2.0

Release date 2021-12-13.

New

- In-building networks: There is now support for documenting in-building networks in locations. The function is still being developed and should be treated as a beta version. Because of that, the function will be available for everyone in this version.

Fixes

- Cable/Duct: Cable or duct that is taken out of another duct no longer gets locked (ID 3431).
- Connections: It's now possible to create new customers when selecting a customer for a connection (ID 3273).
- Connections: The detailed connection report showed too many locations (ID 3316).
- Connections: TCN closed unexpectedly if you entered the system settings for connections when running TCN in English/Finnish (ID 3796).
- Map: The loading time for the map has been improved (ID 10547).
- Presentation: Presentations from presentation themes could be wrong (ID 3792).
- Presentation: Rotation of labels weren't saved when TCN was restarted (ID 3784).
- Presentation: A location couldn't be selected by clicking on the label in the map (ID 3791).
- Presentation theme: Some changes couldn't be saved (ID 10986).
- Printing: Print templates are now available in English and Finnish (ID 3793).
- Printing: Print template wasn't visible on printouts in certain circumstances (ID 3797).
- Translations: Corrections of Finnish translations (ID 3794).

Version 21.1.1

Release date 2021-06-29.

Fixes

- Map: Changing presentation on lines in version 21.1.0.9 gave an error message.

Version 21.1.0

Release date 2021-04-23.

New

- Duct blueprint: There is a new button ("A/ALT" in the toolbar for the duct blueprint that toggles shortname and full name for locations in the blueprint.
- General: The application has got better support for displays with 4k/UHD resolution.
- Map: There is a new button (a magnifying glass) that opens the feature "Go to address". The feature is used for finding an address and moving to that address in the map.
Note! This feature requires access to a list of addresses with coordinates that matches the coordinate system that is used in TCN.
- Map editing: The application MapEd that is used for creating and editing maps has been updated.
- PTS module/Connections: If the PTS module is active the free attribute "Aktiva anslutningar" is added automatically to new connections.
The number of "Aktiva anslutningar" is configured in a new system setting (see below).
- PTS module/Settings: In System Settings - Connections there is a new setting for defining the default value of the free attribute "Aktiva anslutningar" (only available if TCN language is Swedish). The default value is used when creating a new connection.
- PTS module/Settings: In System Settings - Connections there is a button for updating the free attribute "Aktiva anslutningar" on all connections where the attribute doesn't have a value (only available if TCN language is Swedish).
- PTS module: It is now possible to update the PTS documentation manually from the menu Reports - PTS-Update the documentation.
- Users and roles: It is now possible to configure access to free attributes.

Changes

- Customer: The customer number has been extended to 18 digits (ID 3335).
- Export to Excel: The tool that creates the excel files has been replaced.
- PTS module: Manufacturer has been added to the documentation of assets and connections as defined in the update of PTSFS 2015:2.
- PTS module: The report viewer used for viewing the documentation of assets and connections has been updated.

Fixes

- Company/Customer: Connecting a contact to a customer could result in an error message (ID 3641).
- Connections: Free attributes added when a connection was created wasn't saved (ID 3377, 3614).
- Connections: After the "Find customer" functionality was changed in version 19.1 it wasn't possible to change the state of a connection from Booked to Active (ID 3391).
- Connections: Customer didn't show in connection properties under certain conditions (ID 3397).
- In-building networks: When branching a duct in an in-building network the line was invisible (ID 3400).
- Location: The form for creating splice boxes or switch modules were empty if TCN was in Finnish (ID 3220, 3381).
- Map: Lines were always displayed as filled even if another line type had been selected (ID 3322).
- Map: Lines were always displayed with the same width regardless of setting (ID 3367).
- Map: Cables and ducts drawn to a location containing an in-building network could snap to locations in the in-building network instead of the location (ID 3398).
- Map: "Draw new route" for a line could cause TCN to crash (ID 3285).
- Overview graph: Cable labels were wrong if extension designations were used (ID 3513).

Version 19.1.0

Release date 2019-11-29.

New

- In-building networks: There is now support for documenting in-building networks in locations. The function is still being developed and should be treated as a beta version. Because of that, the function will be available for everyone in this version.
- Location: As a result of the support for in-building networks there are new subcategories for the location type Ordinary - Apartment, Office and Room.
- Map print: Three predefined printing templates that can be used when printing maps are included. Two of these contain a logo, if you want to use your company logo you can replace the file Logo.jpg in the Templates folder.

Changes

- Connection: The Find customer field has been revamped.

Fixes

- User access: The functions Import opto cable and Import signal cable were unavailable regardless of user rights (ID 3267).
- Free attributes: If you click on the Browse button for an attribute with the attribute type Document link and the attribute already contains a document link, the Browse window is opened in the folder where the linked document is located.
- Installation: The installation no longer asks for the Templates folder location (the folder where templates for map prints are located). Instead, a folder "Templates" is created in the selected TCN installation path. When a template is used, the path of the chosen template replaces the default Templates path.

Version 18.2.1.0

Release date 2019-05-06.

New

- Import data from map file: It's now possible to use Branching templates when importing data from map files.
The Branching locations that exists for the location type configured for a layer are available in the Object definitions as Location template (ID 1983).
- Overview graph: New button in the toolbar for showing/hiding branching locations (ID 1978).

Changes

- Ducting: It's now possible to use decimals for duct diameters (ID 1941).
- PTS-module: The PTS-report for assets now groups the assets by Site and Node.

Fixes

- Cable: If a cable was created from the view Duct disposition, it got an invalid Operational status in the database (ID 2467).
- Cable: If one cable was spliced to another cable which in turn was connected to a connection box, TCN could close unexpectedly when the Cable blueprint for the first cable was opened (ID 1965).
- Data import: When you import data, the created objects gets the default Operational status (normally Built) (ID 2272).
- Ducting: The button "Free attributes" was missing in the form when creating new ducts (ID 1920).
- Ducting: When a duct is selected in the map, it is now shown at the top of the Ducting list (ID 1944).
- Equipment register: If number of ports on a switch model was set to 0, TCN could close unexpectedly (ID 1951).
- Import data from map file: If a layer was removed in the Object definitions, the rows got out of sync between the different columns (ID 1996).
- Import data from map file: If multiple locations in the file had the same coordinates, the file couldn't be imported (ID 2465).
- Location: Fixed an error that could result in wrong presentations for locations (ID 2511).
- Location: New objects/documents couldn't be created from the Location list (from the menu. Administration -Locations) (ID 2705).
- Location: Users with Read only rights couldn't access url:s or documents from Location properties (ID 2686).
- PTS-module: Fixed an error that could result in asset duplicates in the report.
- PTS-module: Fixed a permission error that could make users unable to access the reports.

Version 18.2.0.0

Release date 2019-01-07.

New features

- **New module: PTS reports**

A tool used for creating reports for assets and connections according to Swedish Post and Telecom Authority (PTS) has been added to TCN.

A separate license is required to activate this module.

Minor changes and bug fixes

- 1930 - Exporting cable reports to Excel could cause TCN to close.
The reason for this was a timeout when exporting, the export has been sped up.
- 1815 - Opening the planning module could cause TCN to close.
The error occurred when you had other tabs than the map open (for instance a tab with Location content)
- 1604 - A new version of the update client has been released.
The previous version could close unexpectedly if you updated the database and then tried to download the TCN installation.

Version 18.1.2.0

Release date 2018-10-19.

Minor changes and bug fixes

- 1412 - If you had selected a template for map prints and wants to remove it again, you can uncheck all Placement fields for the template.
- 1397 - Subcategories of locations had wrong symbol size.
- 1203 - The cable information on cable dispositions were wrong for cables with multiple cable parts of different types.

Servicerelease 18.1.1.1

Release date 2018-06-29.

Minor changes and bug fixes

- 1321 - TCN could shut down unexpectedly when the overview graph was closed.
- 1357 - Subcategories of locations had wrong presentations.
- 1358 - Other equipment was displayed behind pictures in Location contents.

Version 18.1.1.0

Release date 2018-06-15.

New features

- **Limitations of user access to reports**
1135 - Possibility to limit access to reports by user.

Minor changes and bug fixes

- 1159 - Subcategories could disappear when Location properties were edited.
- 1085 - Left click to select a chassis in a rack could cause TCN to shut down.
- Editing cables could cause an error message if the users User ID was longer than 12 letters.
- Adjusted file versions used for connecting to NIS Contacts.
- 1262 - Presentation themes showed wrong symbols for subcategories of Locations.
- 1115, 1119, 1121, 1123, 1124, 1127 och 1248 - The form for managing Free attributes has been improved.
- 1247 - Exporting Cable reports to Excel could cause TCN to shut down.
- 1282 - Changing Operational status on Ducts didn't update subcanalization.
- 1178 och 1180 - The form for Contacts (shared with NIS) is now displayed in the correct language and has been improved.
- 1280 - Using a Branch off template when branching canalization could cause an error message.
- 1281 - When branching canalization, the new canalization didn't get any Operational status. It now gets the default status.
- 1165 - Corrections of English texts in TCN.

Service release 18.1.0.2

Release date 2018-05-23.

Minor changes and bug fixes

- “Other equipment” on Locations is now also shown as a green square on the Layout tab.
Double click on the equipment to see more information.
- 1128 - The button “Free attributes” on equipment overlapped the “Print” button.
- 1204 - Overview graph opens faster than before.
- 1208 - Fixed an error in the Overview graph that caused the network to be displayed along a diagonal line.
- 1250 - Ports weren't visible when patching to/from switches.
- 1226 - Exporting Connections to Excel could include all connections regardless of selection.

Service release 18.1.0.1

Release date 2018-04-30.

New features

- **Extended support for Other equipment on Locations.**
It is possible to add self defined equipment such as Fire extinguishers, Sprinklers etc.
Information about Other equipment is shown in detail on the Equipment tab of Location content.

Minor changes and bug fixes

- 1159 - Subcategories could be removed when Location properties were edited.
- 1085 - Left click to select a chassi in a rack could cause TCN to shut down.
- Editing cables could cause an error message if the users User ID was longer than 12 letters.
- The form for managing Free attributes is now opened on the same display as TCN.
- A file needed for opening Contacts was missing in some installations.

Version 18.1.0.0

Release date 2018-04-13.

New features

- **Windows user login** - Option to login to TCN by using the logged on Windows user.
- **Updates for product connection to NIS** - It is possible to synchronize cable data and ducting information to Trimble NIS. Contact Trimble Service for planning and configuration.
- **Free attributes** - Option to configure and use self defined properties for objects in TCN.
The free attributes are managed under the menu File-Options-System options-Other options
- **Users and roles** - Option to limit user access to different parts of the system using user roles and rights.
The users are fetched from SQL Server and are managed under the menu Administration-Users and roles
- **Printing** - Added option to use fixed scaling when printing maps
- **Printing** - Option to create print templates by using a Template editor (found in the Start menu)
- **Presentation themes** - Option to configure presentations for objects in the map based on object properties.
- **Operational status** - It is possible to set operational status on cable, location and duct like in Trimble NIS.
This makes it possible to document and separate Planned and Destroyed networks from active networks.
Combined with Presentation themes it is possible to show or hide these object as needed.
- **Export to Excel** - Parts of the report results (under the menu Reports) can now be exported to Excel
- **Free graphics** - It is possible to add a pointer to text objects. The pointer can be rotated and moved by selecting the object, press T and move with the mouse.
- **Free graphics** - Ctrl+C and Ctrl+V can be used to copy and paste an existing free graphics-object.
- **Contacts in TCN** - Option to integrate with Trimble NIS Contacts for a simple CRM system (requires a new license)
- **Status map** - Possibility to display alarm status from equipment in the network (requires a new license and hardware that supports this)

Minor changes and bug fixes

- Added GSRN number to different objects, used to create unique identities for equipment (when receiving alarms to the Status map) and customers.
- URL length has been extended from 256 letters.
- Bugfix - The Overview graph can now handle invalid coordinates.
Objects with invalid coordinates will be drawn within the allowed coordinates and displayed in the graph.
- Bugfix - When printing, the background maps will not be dimmed even if they are dimmed on the screen.
- Temporary files for import and export are now stored in the AppData folder.