

# DP/Spatial Base Platform Release Notes 4.2

## New Features and Enhancements

- The cursor focus has been improved; the cursor now remains in a selected user input field (e.g. the text field under the *Search* tab), regardless of the position of mouse pointer. [4657]
- Continued measures to harmonize the user interfaces and configuration of Digpro NIS applications have been taken: The appearance and position of toolbar icons is now standardized across the utility applications Facilplus Spatial/E and DP/Com. Also, Facilplus Spatial/E and DP/Com now share the same base configuration for common menu alternatives, making the applications more consistent. [7235], [13509]
- It is now possible to use a grid in the application windows also with geodetic coordinates (long/lat). [7250]
- The attributes "Fill style" and "Line style" may be set as an individual drawing attributes, using drop-down lists of predefined values. Applicable object type includes various redlining objects. (To edit individual drawing attributes for a component, right click and select *Edit individual drawing attributes*. [9348], [13381]
- The table that is produced when using the function Tools > List coordinates now have columns that are aligned and wider spaced, for improved presentation. [9615]
- When exporting query reports to Excel, an extra row was added containing export information. This extra row offset the sorting of cells in the Excel document, and is now removed. [11177]
- Improved handling of DXF reference data; when a DXF file is used as a reference file, the layer names are shown in the tree menu under the *Legends* tab (in the sidebar). [11613]
- The function *Show system attributes for component* (previously *Show ID*), is now available in all applications. When moving the mouse cursor over a map component a number of attributes for that component is presented in a separate window, including object type, subtype, component type, state and selected drawing attributes. [11634]
- Under the Standard tab in the *Preferences* dialog (*Settings > Preferences...*) there is a new setting available: the checkbox *Use complimentary colors when needed* should be marked in instances where graphics may not be visible because they are rendered in the same color as the background. This is sometimes the case when using reference files. Marking the checkbox in the *Preferences* dialog cause such graphics to be rendered in the background's complimentary color, when required. [11636]

- In the Query tool, the status bar now shows the number of rows the user has selected in the results window. [11703]
- Administrating change sets (Administration > Administrate change sets...) has been enhanced by adding a free text search function which allows the administrator to filter displayed rows using user names and change sets names. [11746]
- It is now possible to map imported field data (e.g. of the HP-17 or Marit formats) to different states. A new field, "State" (DP\_STATE), has been added to the object mapping table GEO\_OBJECT\_MAP in the Table manager tool (Administration menu).[11813]
- In the Choose change set dialog, it is now possible to remove multiple change sets at once, using the keys Shift and/or Ctrl. [12236]
- The comma character “,” (as per Swedish standard) and the point character “.”, are now both accepted as decimal separators. Applicable functions include the setting of grid distance (*Setting > Grid > Dialog...*) and inputting coordinate values for transformation (*Tools > Coordinate transformer*).[12991], [12429]
- When using DGN-files as reference files, the DGN layers are now presented according to level, color and weight in the Legend tab (sidebar). This makes it easier to show/hide selected DGN layers. [12667]
- In the *Show* menu, there is a new function: the option *Show chosen only* lets the user show only chosen objects in the graphics view. [12751]
- If the user moves the mouse pointer over a state in the Show states dialog (*Show > show states...*) a tool tip now displays the state's corresponding configuration number (e.g. 100, 200, 300, etc). [12768]
- The code lists of state values, e.g. "Designed", "In use", "Out of operation", may be configured to de-activate selected values. De-activated values are not available in drop-down lists, dialogs and menus which use code lists. [12863]
- In a query return list, if the user first selects and then attempts to show multiple objects at once, the objects are grouped and tagged with a number showing their approximate location in the graphics view. By clicking on a corresponding number displayed in a dialog window, the user can navigate and zoom to different groups of queried objects. This function was introduced in 4.0 but has been improved in 4.2. [12881]
- Naming a user defined query is now performed in the Create query dialog, not in a separate dialog as was previously the case. [12902]
- Retrieved WMS (Web Map Service) raster maps have a new default z-order value for optimal presentation in the graphics view.[12949]

- Enhanced control when posting change sets containing objects that lack obligatory attribute data: the button “Show object” is used to automatically open the object’s attribute form. The function also zooms to the object in the graphics view (if the object has graphical components). [12975]
- A new module is available: “Customer” is a first line case/incident management tool that is used to register, sort and forward cases to a suitable system module such as Operator, or Designer. Functions include automated case links via e-mail, notification of responsible personnel by mail or messaging based on priority and nature of case/incident, extensive search functions, and full map support. [13010]
- Snap settings can now readily be changed using a floating task window, which is opened by selecting the menu option *Settings > Change snap mode...* [13322]
- The Conflict handling dialog has been improved; the available choices used to resolve the conflict are presented in a drop-down list, with the default value set to “Don’t synchronize”. Alternatively, the user may select any of the tree options by double-clicking in its field, which is then highlighted in yellow. (Bug fix: An attribute form no longer opens when the user double-clicks in any of the three option fields.) [13474]
- Clicking on the menu symbol of an open drop-down list will now close that drop-down list. In previous versions, the only method to close a drop-down list was to click somewhere outside of it. [13528]
- Single points can now be shown in Open Street Map (a collaborative project to create free editable maps). The function is found in the menu *Show > Show points* [13529]

## Corrections

- Objects/components were not rendered while being placed in the graphics view if the checkbox *Show change set only* (in the Show menu) was marked. [8154]
- Using coordinate systems based on latitude/longitude (e.g. WGS84) caused text components to be drawn too large and overlaid one another. This has been resolved by scaling drawing attributes in units of degrees instead of meters. [8498]
- When converting from an optimistic to a pessimistic change set, all graphics are reloaded and updated to reflect synchronization of data. [8732]
- Exporting the graphics view DXF caused Kartago to crash due to incompatible line weight values (dgnweight). The issue is resolved. [11062]

- When creating lines in the symbol editor, double vertices were produced for all nodes making up the line, except the start and end nodes. As a result, the user could not save the symbol. [11722]
- Also users with read rights only, are now allowed to change password. [11751]
- The *Delete change set* dialog now shows the name of change set (set for deletion). [12378]
- Text components containing the characters “å”, “ä” “ö” no longer produce artifacts when printing to PDF. A similar problem that caused dots and rings of the Swedish characters "å", "ä" and "ö" to be offset to the side in PDF exports has also been rectified.[13284 ], [12060]
- An error caused deleted change sets to remain available in the menu option File > Change to original change set. This issue has been resolved. [12380]
- Coordinate systems based on latitude/longitude (e.g. WGS84) produced faulty unit values or incorrect results when using the measuring tools *Measure distance and angle*, *Measure area*, and *Measure component*. [12455], [12456], [12720]
- When using Shift + Pan, the coordinate values in the status bar were not updated on mouse move as intended. This issue is now resolved. [12625]
- When using the RT90 coordinate system, the compass arrow in the Preview window (File > Free plot...) no longer deviates from due north (i.e. along the grid's Northing axis). [12651]
- Clearing application cache no longer cause loaded raster files to disappear from the Legends view. [12829]
- The available option under *File > Convert change set, To optimistic/To pessimistic* is now determined by the type of change set currently in use. [12967]
- Conflicting changes in a master change set and its copy are now detected fully and require standard conflict handling [13008]
- The offline client now supports data stored in coordinate systems defined by Oracle. [13083]
- Placing objects using the Offset function sometimes caused the object to drawn on the opposite side of the line indicated by the user. This has been resolved. [13138]
- It was previously possible to execute reports in the Query tool without filling in fields defined as required in the report, e.g. Date. This issue is corrected. [13270]

- Changing text components from multi line to single line no longer cause an exception. [13435]

## **Configuration Options**

- A new configuration option allows for setting the number of decimals to be shown for number fields in data components. It is typically used for fields where full precision is wanted in the database but a limited number of decimals is to be displayed in the application. It has been implemented for some attributes such as lengths in Facilplus Spatial/E in this release. [5729]
- When designing reports to be used in the Query tool, there is now an option to configure a specific column to sort (in ascending or descending order) in the result table. [7903]
- It is now possible to show tool tips for query parameters in the query tool. [9520]
- There is a new configuration option available which allows input fields in attribute forms to be set in any optional color. Text fields and drop down lists with colored backgrounds can be used to alert categories of users of required/important attribute data that they should provide. [10224]
- Configurations that involve handling SMS-notifications to be sent to multiple recipients has been simplified. [12152]
- As a new configuration option, it's now possible to use longer descriptive names of coordinate systems instead of the standard acronyms. The configuration is now in use in some DP/Com applications. [12965]
- It is now possible to configure the number of decimals to be shown for coordinate values when using the mouse-over function with WGS84. [13336]