DISCUS Desktop 2022 Version 12.1.0 Release Notes

Previous Version: 11.1.6
Release Date: June 14th, 2022
Release Type: Major

FEATURES

- Introducing Intelligent Drawing Analysis (IDA™)

  - IDA™ is an add-on module that replaces the OCR add-on module

  - IDA™ will automatically analyze the entire drawing and propose candidate characteristics

  - Candidates and characteristics allow review, editing, and disposition within the drawing panel via respective popovers

  - Improved characteristic type detection

  - educes the amount of time required to complete an FAI on most good quality digital PDF drawings

- Introducing the DISCUS 2022 3D add-on module

  - Implemented the concept of model views, retiring the separate, secondary legacy Illustration Manager mode

  - Integrated model view creation and modification directly into the Model display panel

  - Improved the model toolbar

  - Moved most 3D features which required dialogs to drawers at the left and right sides of the model panel

  - Improved the measuring tool

  - New Sectioning Tool with simpler, intuitive user interface, retiring the Cutting Planes dialogs

  - Improved model support

  - Improvements to the rendering of GD&T in the Model Panel of the DISCUS 3D add-on module

  - Added the ability to orient model PMI to the screen

- Introducing DISCUS License Server (DLS) product

  - DLS replaces the legacy on-premise DISCUS Floating License Server (DFLS) product

  - DLS is compatible with DISCUS versions 12.0.0 and greater

  - DLS only applies to licenses which have an Internal Floating share type

  - DLS is a subscription-only product. Existing customers will be offered the subscription at no cost during the sunsetting period and then may elect to purchase a subscription to DLS or switch their license to an External Floating share type at no cost.

- Added the ability to create and manage custom Default Tolerance templates

- Added the ability to drag-and-drop drawing and model files from outside of the DISCUS application onto the Welcome Panel and Drawing/Model Panels

- Added the ability to add a Signature Image file to the TDP and implemented a new token to export the image with via an Excel report template.

- Added support for Zone Grid letters beyond A-Z

- Added the ability to dock/undock the Characteristic Properties dialog into the main application window

OTHER ENHANCEMENTS

- Added the ability to renumber multiple selected characteristics in the BOC via drag-and-drop

- Various improvements to context menus application-wide

- Implemented new GD&T keyboard and characters for IDA™ candidate text in the candidate popover and characteristic properties

- Double-left-clicking a balloon in the model panel raises characteristic properties in the DISCUS 3D add-on module

- Improvements to the Default characteristic library:

    o Added characteristic type "Microhardness"

    o Added UOM "HV" (Vickers Pyramid Number) to Hardness family

    o Added UOM "DPH" (Diamond Pyramid Hardness) to Hardness family

    o Added characteristic type "Thread Pitch Diameter"

    o Added characteristic type "Thread Root Radius"

    o Added data type Basic to characteristic type "Chamfer Size"

    o Added data type Basic to characteristic type "Chamfer Angle"

    o Added characteristic type "Rotating Unbalance"

    o Added UOM Family UOM "Mass x Radius Moment"

    o Added UOM "g-cm" to UOM Family "Mass x Radius Moment"

    o Added UOM "g-m" to UOM Family "Mass x Radius Moment"

    o Added UOM "g-mm" to UOM Family "Mass x Radius Moment"

    o Added UOM "mg-cm" to UOM Family "Mass x Radius Moment"

    o Added UOM "mg-m" to UOM Family "Mass x Radius Moment"

    o Added UOM "mg-mm" to UOM Family "Mass x Radius Moment"

    o Added UOM "in-oz" to UOM Family "Mass x Radius Moment"

- Improvements to custom characteristic validation capabilities

- Removed certain constraints of .csv import requirements in the CMM add-on module

- Improvements to the splash screen

- Improved the quality of the drawing in the PDF Process Plan export in the Planner add-on module

- Alphabetized portions of the Settings menu and the Settings dialog

- All file chooser dialogs now default to the applicable file extensions

- Added support for some special symbols in file paths

- Fixed typographical and grammatical issues throughout the UI

- Improved compatibility with Net-Inspect changes to sub-balloon number depth in the Net-Inspect integration

- Improved compatibility with Net-Inspect changes to Alpha sub-balloon characters in the Net-Inspect integration

- Removed the constraint of 104 maximum parts in the Parts List when the Net-Inspect validator is applied

- Improved the visual indicator for selected balloon(s) on the drawing panel

- Added new BOC token ${boc_verboseLocation2} which reports:
  [Drawing_Number] Rev. [Drawing_Rev] [Sheet_Number] [Zone]

- Added ability to export all operations to an Excel template in the DISCUS Planner add-on module

- Improvements to drawing page navigation

- Characteristic Structured Requirement Editor characteristic type drop down list is now filtered as characters are entered

- Added a new property to the Net-Inspect validator to constrain the characteristic number value to 20 characters or less

- Moved the Requirement Image manipulation controls to a separate dialog which is raised by clicking the "EDIT" button in characteristic properties; the scale, contrast, etc. specified by the user only affects the requirement image and does not affect IDA™ accuracy

- Added a new BOC token ${boc_structOnlyPlusUom} which combines the tokens:
  ${boc_StructOnlyNoUom} ${boc_uomAbbr}

- Introduced automatic scrolling when dragging selected characteristic(s) in the BOC

- Implemented reset buttons for various sliders throughout the application to return the slider to the default state

- Double-left-clicking any balloon in the drawing panel raises characteristic properties

- Improvements to the Material and Process .csv import

BUGS

- Fixed a bug with TDP UOM validation

- Fixed a bug where sub-balloons were missing on exported in-process drawings in the Planner add-on module when certain conditions were met

- Fixed a bug regarding the display of the current profile name in the status bar of the main application window

- Fixed a bug with Net-Inspect integration where comma decimal separators would cause an upload failure

- Fixed a bug where the Comment field was not being included in the Parts List .csv import

- Fixed a bug regarding inconsistent selection of the current characteristic in the BOC when certain conditions were met

- Fixed a bug which caused a NullPointerException when certain conditions were met

- Fixed a bug which allowed the user to select non-PDF/TIFF files as a spec in the applicable file chooser

- Fixed a bug where the Find Number was not sorting Parts List correctly in some cases

- Fixed a bug which caused balloons and other annotations to appear in the wrong location on the exported balloon drawing with certain types of source PDFs

- Fixed a bug which caused a Process Plan export to fail when certain conditions were met

- Fixed a bug which caused the Arrow, Backspace and Delete keys to not function in the dialog found at TDP Properties > Order, Supplier, & Report Tab > Other Report Fields > Report Level Fields

- Fixed a bug which displayed an inaccurate upload status in the Net-Inspect integration

- Fixed a bug which caused custom colors to not be retained in certain cases

- Fixed a bug which caused characteristic renumbering to fail when certain conditions were met

- Fixed a bug which prevented the user from opening the uploaded FAIR via the hyperlink in the Net-Inspect integration

- Fixed a bug which prevented the reordering of document in the Bill of Documents dialog when the Planner add-on module was enabled

- Fixed a bug with characteristic filters which caused incorrect filter results

- Fixed a bug with characteristic groups which could cause duplicate characteristic numbers if a custom characteristic group was deleted

- Fixed a bug which caused some tolerance designators to cause errors when certain conditions were met

- Fixed a bug which caused the license key textarea to not be in focus automatically when the dialog was raised

- Fixed a bug which caused the default directories to not be respected in some cases

- Fixed a bug which caused the Import Results from Excel feature to fail in some cases

- Fixed a bug which caused Find Numbers to excluded from the payload when uploading a FAIR via the Net-Inspect integration

- Fixed a bug which prevented the Compare Drawings dialog from being maximized

- Fixed a bug which caused duplicate characteristic numbers when the user performed specific actions in a specific sequence