

MasterConcept, Version 12

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1 Introduction

This readme contains information about Ides MasterConcept.

1.1 How to use this document

Please read this file thoroughly. If there are any questions please contact us (see Contacting).

1.2 Released Versions

After installing you should have the following versions on the different applications/modules.

Product	Version
MasterExplorer	12.1.0.129
MasterDatabase	12.1.0.129

2 Where to find information

2.1 Information Files

This file, readme.pdf, contains release notes for MasterConcept.

Note: If there are any late changes to functionality that was not included in the manuals there is a Late Changes.pdf on the CD that contains the changes.

2.2 Online Resources

2.2.1 World Wide Web

Check Ides' website regularly for information. The support team will post technical papers for solutions and workarounds. Here you also can find information on updates and new versions.

www.idesglobal.com

3 Contacting Ides

3.1 Support

Contact the support team by phone: +46 (0)13 31 87 86 or email: support@idesglobal.com

4 Equipment requirements

The following chapters describe the hardware and software requirements for the MasterConcept products. Please note that this list is only a recommendation to reach a good performance for a system with one server and 5 clients having only MasterConcept Software installed.

Better hardware will improve the performance.

4.1 Hardware requirements

4.1.1 Server recommendation

Name	Comment
Processor	Intel® Xeon® Dual or Quad-processor
Internal memory	3 GB (x86) 4 GB (x64)
CD-ROM drive	40X Max CD-ROM drive
Hard disk	Type: SATAII or Ultra3 SCSI 10,000rpm hard drives
Hard disk size (minimum)	4,5 GB (system and temp files) 9 GB (database and files)
Network	100 MB/s or better

4.1.2 Used disk space

Name	Comment
Oracle server Software	4,5 GB
Oracle data files	500 MB
eIMaster data files	500 MB
eIMaster Software, symbols	320 MB

4.1.3 Client recommendation

Name	Comment
Processor	Intel I5
Internal memory	3 GB (32 bit) / 6 GB (64 bit)
CD-ROM drive	40X Max CD-ROM drive
Hard disk	SATA-3, 7,200 rpm
Hard disk size	120 GB
Network	100 Mbps
Graphics	1,280 x 1,024 true color video display adapter 128 MB or greater, 19" Monitor
Mouse	One port for mouse or trackball connection
Printer	One parallel or serial port for the printer when not printing via a network printer

4.1.4 Used disk space

Name	Comment
Oracle Network Client Software	600 MB
AutoCAD Software	750 MB
eIMaster Software	250 MB
eIMaster Software, symbols	320 MB

4.2 Software Requirements

4.2.1 Operating System

Name	Comment
Windows Vista SP1 or later	32-bit only
Windows 7	
Windows 8	

4.2.2 Server

Name	Comment
Oracle Standard version 11g	
Oracle Standard version 12c	

Unicode Support

To Support of Unicode in your Oracle database set the **Oracle Database Character Set** to UTF8.

Name	Comment
NLS_CHARACTERSET	UTF8

4.2.3 Client

Name	Comment
Oracle Standard version 10.2.0.4 g	
Oracle Standard version 11g	
Oracle Standard version 12c	
Autodesk AutoCAD 2012	Products Electrical, Mechanical, P&ID, Plant 3D
Autodesk AutoCAD 2013	Products Electrical, Mechanical, P&ID, Plant 3D
Autodesk AutoCAD 2014	Products Electrical, Mechanical, P&ID, Plant 3D
Autodesk AutoCAD 2015	Products Electrical, Mechanical, P&ID, Plant 3D
Autodesk Inventor 2013	
Autodesk Inventor 2014	SP1, and for Operating System Windows 7, Windows 8.1
Autodesk Inventor 2015	
Microsoft, Office 2007	
Microsoft, Office 2010	
Microsoft, Office 2013	
Microsoft.Net Framework version 4.0	
Microsoft MDAC	Required to enable use of Access as a format for briefcase, 32bit only

On Win 7 64-bit only 64-bit version of AutoCAD and Oracle client are supported.

If you have any questions concerning the software or hardware requirements contact us. See “Contacting”.

5 New Functionality

5.1 Key Features

New Product MasterViewer

A new application for viewing Objects, Documents and Information Objects is introduced. The application is read-only and cannot change anything.

Basic Solutions

A new feature to reuse earlier finished solutions. It is easy to add Basic Solutions to existing main folder and it is easy to administrate.

Functionality:

- Use and fetch Basic Solutions directly in the explorer main folder.
- See what Basic Solutions that are ready for usage
- Basic Solutions get workflow control and vault functionality
- Use Publish functions to have control of what Basic Solutions should be possible to use
- Edit Parameters in the explorer
- Extended User Input Support for Parameters

Individuals and Qualification Module

A new module for Individuals and Qualifications of equipment/articles are included in this release. This means that it possible to relate individuals to articles and also related objects to individual get at picture what individual is use where. The goal is to have a picture what is used where when a change is needed in the plant. Also included in the module is an overview dialog of objects that need to be qualified. In this overview you can see what objects/articles/individuals have the correct documentation.

New Concurrent Engineering Workspace

A New feature included in the Project management module is to separate changes in one project from the main folder. The changes are made in a Project Folder. What does this mean?

- Changes made in the Project Folder will not be included in the Main folder until the Project Workflow Setting moves all changes to main folder.
- The changes can be revoked with no impacted of the main folder. Just remove the project folder and the changes are revoked.
- Changes can be made in two different projects without influence each other until the changes are moved to main folder. To handle conflicting changes when changes are to be moved into main folder there are collision handling, synchronize functionality and merge functionality.

AsBuilt Module

The AsBuilt module is new in Master Concept 12. This module allows you to create and maintain AsBuilt, which is a record of the data from all completed projects in a Main Folder, which amounts to an up-to-date snapshot of the actual Plant.

A separate AsBuilt can be created for each Main Folder, and then updated automatically when Projects are completed. The Project Workflow setting now contains a checkbox for transferring data to AsBuilt.

Mounting Reports

Another feature included in the AsBuilt module is the Mounting Report type. The Mounting Reports show what has been done in the project compared to what already exists in AsBuilt.

Mounting Reports are created as regular reports, except that they are typed as Mounting, and needs to be associated with a Project. The regular filters and formats can still be used. The Mounting Report type is available for the following Reports:

- Apparatus List
- Label List
- Connection Reports (CON1, CON2, CON12)

An additional general setting for the Mounting Report type is available using the variable REP_MOUNTING_DIFF. If this variable is set to FALSE, only +/- changes will be included in the Mounting Report. This means that only changes that require adding, replacing or removing an object/connection will be shown. If it is set to true any change will include the object/connection in the report.

Project Depending Reports

The Project Depending Report type is used to get the complete picture of a report for a specific project. The Project Depending Report type can be used in two ways:

- Using AsBuilt – The report will get the corresponding data from AsBuilt as baseline data and then apply the changes made in the specified project. This will require an AsBuilt license.
- Not using AsBuilt – The report will use the previous revision as baseline data and then apply the changes made in the specified project.

The difference from the standard report type is that only changes in the specified project will be included, so even if you have made changes that match the filter of the report in a different project, it will not be displayed.

The Project Depending Report type is available for the following Reports:

- Apparatus List
- Label List
- Document List

- Connection Reports (CON1, CON2, CON12)
- Cable List
- Terminal Reports (TERM, TERM2)

New Interface for Design Applications

The design application has started to use Ribbon User Interface. This ensures a modern user interface with easy to learn curve and easy access to commands.

Microsoft says *“Ribbons are the modern way to help users find, understand, and use commands efficiently and directly—with a minimum number of clicks, with less need to resort to trial-and-error, and without having to refer to help.”*

Read More: <http://msdn.microsoft.com/en-us/library/cc872782.aspx>

We are using AutoCAD functionality Workspace to distribute the user interface settings.

5.2 Smaller Features

Document denomination in object data tab

When viewing the data tab for an object, the grid showing information about related documents now contains a column holding information about the document denomination.

Warning when changing the file extension of a document

If you try to change the file extension of a document that has a physical file, you will now get a warning dialog asking if you really want to change the file extension. This warning is meant to prevent errors caused by incorrect file extensions.

Default file extension for document starts

It is now possible to set a default extension for each document start. If no default extension is set then a default extension is retrieved from the template, if such one exists.

The filename of a document will receive the file extension of the document start selected for the document.

Ides Customer Experience Improvement Program

MasterExplorer now supports Ides CEIP (Customer Experience Improvement Program). If enabled, this module will send Ides usage statistics containing information about which dialogs have been opened, the performance of database queries and which menu items were used in order to open dialogs. This is done in order to improve the performance and user experience of MasterExplorer.

The CEIP program is deactivated by default, and must be enabled manually by an administrator. For more information, please read the CEIP privacy policy before using the module.

Notes

The notes dialog has five new columns. Two are holding information about when the note was last changed, two about in which main folder type the note should be visible and the last one if the note is private, i.e. it could only be viewed by its creator.

Master Explorer now keeps track of which note you have read. If an entity has notes unread by you, you will see the note icon in front of the entity in the tree.

The icon symbolizing notes has been changed to .

Workflow machine shown when editing project

When a project is shown for edit, the workflow machine for the project will be displayed but not editable.

Actions on unconnected project depending reports prevented

When a project depending report that is not connected to any project is generated, the generation will be stopped. Project depending reports must be connected to a project to be able to be generated.

A project depending report without any connected project will not be able to change its workflow step.

Document version note when copy structure

The copy structure functionality will now enter the value found in the system variable EXP_CP_VERNOTE into the new document version notes.

CAD Driver Inventor

Ides CAD Driver is now available for Autodesk Inventor.

DefaultUserFiles

When upgrading to newer version, new files in DefaultUserFiles will be copied to any redirect.

Ribbon

Project menu is now available from the Ribbon Object/Document context tab.

Search

When searching in content an excerpt will be displayed. To increase performance, it's possible to disable this feature. To do so, create a variable called SEARCH_SHOW_EXCERPT and set its value to FALSE.

File – application menu

The application menu is upgraded to an application menu in the same style as those used in MS Office. The old functionality is preserved and in addition there are tabs for recently opened documents and projects.

Changing parent project

It is now possible to change the parent project of a project even after that the child project was created.

Active project color setting

Previously the text node color of the active project was set by a default value. From this version it is possible to set a custom color for the active project. This is done in the Tree Browser Settings dialog.

Custom Columns

Also included as a result of the qualification module is the ability to create “custom columns”, designed to show if an object or article have related documents of a certain type (e.g. qualification documents) without having to open a separate “connected documents” dialog and looking for a specific type of document.

Cable Routing Module, CAD 2D Drawing

It is now possible to draw routing nodes and segments in a drawing. A new application type is available for this.

Functionality:

- Draw Nodes
- Get Coordinates
- Draw Segments
- Get Length Suggestion
- Show Cables that uses segment
- Show Fill and other data from Segment

Connect Document role module for articles

A new role module to set permissions for connecting documents to articles has been added.

6 Updated Functionality

More information in error reports

Error reports sent to Ides now contains more details about the system where the error occurred. The new information is

- If the process and the machine works with 32 or 64 bits.
- Which database the system was connected to.
- Which main folder that was in use.

Delete in lists

When a row in a list has been deleted, the next row will now gain focus. This means you could click the delete button several times to remove several rows from the list without needing to select them.

Briefcase module

Minor bugfixes and enhancements have been made to the briefcase module. All types of errors now lead to highlighting the rows in red.

Briefcases now visible under projects

In order to better see under which projects briefcases have been imported or exported, briefcases are now listed under their related projects.

Delete on gridviews

A confirmation dialog has been added when the user deletes a grid view. The delete function in the drop down box is removed.

Template lookup preview uses EXP_VIEWER_SETTING

The preview component selected for previewing documents when fetching template from the vault when creating a new document is now selected based on the value in the system variable EXP_VIEWER_SETTING.

Copy structure/Basic solution-window

When copying a structure/a basic solution then the window for administrating the copy will only show the object structure grid if it contains any objects.

Articles

The Articles button has been moved from the Administration ribbon to the home ribbon. The same role module setting still applies.

It is now possible to browse to Articles from the Articles tab in the Advanced Find dialog and the Object property control in the Data Tab.

It is now possible to view Article files and connected objects from the Articles tab in the Advanced Find dialog

Export/Import Main Folder Handles all data (Case 18082)

Login as other user is renamed to Restart

Oracle 12c

Added support for the database version Oracle 12c.

CAD-Driver

Added support for AutoCAD 2015.

Title Block to Database

Function handles all free data for document.

IdsToolPalette

- Has the possibility to search symbols in the active library
- Shortcuts buttons to groups are included in palette

Changing project

It is now possible to change active project even though the search or article dialog are open.

Delete in lists

Previously it was impossible to delete several rows in a list by clicking the delete button several times. This is fixed in this version.

Changed color of rows in the briefcase import dialog

The colors marking new values, changed values, etc. in the briefcase import dialog is changed to better match the colors with the same meaning in other dialogs.

Article Dialog

The article dialog can now be used to relate articles and documents (no qualification module required). Customers with the qualification module can create and edit article individuals.

Automatic Cable Routing Module

The automatic cable routing module has been updated with more information in order to provide better transparency to the user as to the cause of validation results.

It is now possible to reload segments and segment articles directly in the dialog after updating segment data, without having to restart the dialog and reload the segment cache.

Grid filtering

Grids can now be filtered on blank and non-blank cell values.

Changing document file extension

The document list will now warn you if you are trying to save a change that has changed the file extension of a document. This is to avoid problems caused by programs not recognizing the new extension.

AutoDoc not changing document number or sheet

The AutoDoc functionality will no longer change the document number or the sheet of existing documents.

PDF Viewer

An alternative PDF Viewer has been added. Enable this viewer by setting the EXP_VIEWER_SETTING variable to *Internal2*.

Search

The filter buttons have been moved from the menu Types to the Options group for easier access.

7 Release Fix 1 (12.0.1)

7.1 Explorer

Preview Tab

Enhancements has been made to the internal viewer.

Additional files do not follow the document when creating a new revision (Case 25567)

When creating a new revision of a document additional files such as raster files are now copied to the new revision of the document.

Merge Together

The Articles on the main object are used. Only when main object doesn't have any articles connected the articles from the other object is being used.

Vault Database Verification (Case 25723)

The verification is now case insensitive, since different Oracle versions may return different results.

Copy Standard (Case 25466)

An issue with Document Types in Copy Standard has been resolved.

Edit Connections Dialog (Case 25444)

Fixed an issue where the Remark 3 field of the connection would not display the correct value in certain cases.

Automatic Allocation

A new setting is now available when allocating wires: Exclude external Terminals.

Checking this setting will count connections between external terminals within a common object as not having that object in common.

For example:

A connection is made from +SA.1.X1:1/2 to +SA.1.X1:7/2.

Normally this connection will have the +SA.1 object as common object, but using this setting will make it so that the common object will be +SA.

This can be useful i.e. when you want different numbering on the external connection in an enclosure.

Connection/Terminal Reports

A new filter setting, Exclude external Terminals, with the same functionality as described above has been added to the following reports:

- Con1
- Con2
- Con12
- Term
- Term2

Allocation Rules

A new setting has been added to the Allocation Rules: Wire Allocation Sorting Category.

If a category is specified on a rule, the connections will be sorted a bit different than usual.

Normally the connections are sorted after the smallest (alphanumerically) connection side, no matter if it's the "From" or the "To" side. Specifying a sorting category will ensure that connections that are connected to an object of that category will be sorted only by that object.

For example:

A connection is made from +SA.1.X1:1/2 to +SA.1.K23:A1.

Normally this would be sorted after the +SA.1.K23 object, but if you specify CE TERM_GROUP as the Wire Allocation Sorting Category it will be sorted after the +SA.1.X1 object.

This can be useful i.e. when you want to sort connection according to the terminals they are connected to, no matter what the other side is connected to.

7.2 Design

Quick Access Toolbar

Fixed issue with images in QAT.

Nodes and Segments

- A warning will be shown if node already is inserted in a drawing.
- Edit dialogs will focus number field.
- Nodes will only allow Upper Designations.

Design to PDF

- Added support for AutoCAD 2015.
- Fixed issue with license path.

Convert elProcad drawings

The function is updated so that drawings can be converted with batch functions in design before importing them to Master explorer. If you need to convert elProcad drawings please contact ides support for help with settings.

Save to Database

Performance enhancements have been made when dealing with large subnets.

7.3 Configurator

Shortcuts

Updated with new shortcuts.

8 Release Service Release 1

8.1 New Functionality

8.1.1 Explorer

Drag and Drop in the tree

It is now possible to handle documents, objects and information items in the tree by using drag and drop. It is also possible to copy an information item using drag and drop.

The handling is centered on the information items in the sense that only information items can be the receiving node.

When importing a document by dropping it to a Grouping folder, the import will use the entire structure of grouping folders in the tree and adding their values to the document in the import dialog. This way the dropped and imported documents will appear at the same position where they were dropped.

Grouping nodes in free structure

It is now possible to group nodes in the free structure, usually cables, in the same way that documents have been grouped. This allows for a better overview in systems with many objects in this structure.

Improved Quick Search

The quick search toolbar has been moved above the tree view, and the UI has been redesigned in order to improve accessibility and usability. You can now search the contents of documents by toggling the "Content" search button, and the previously available modes of searching of documents, objects and information objects has been improved in terms of speed and stability.

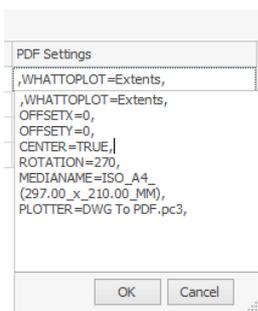
If multiple results are found, you can now also use the forward and back toggling of results (F3 and Shift+F3 or using the arrows), and the results can be displayed in the lists view to the right for easier overview.

The searches are now made in the currently active main folder only to simplify the searches, please use the advanced find dialog for searching across multiple main folders.

Ides URIs can now be entered in the quick search text field, i.e. the links that are entered in to the clipboard when using the "Create text link" under the "Send to" menu.

PDF plot Settings

It's now possible to specify PDF plot settings. Supported applications are Autodesk AutoCAD (including verticals) and Autodesk Inventor (Drawing only).



New document menu

A new menu placed under the “New Document” option makes it possible to create a document of a specific type directly. The menu options are based on the system variable EXP_DOCMENU_OPTION which could have the values “LIST”, “MOSTUSED” or “BOTH”.

Open documents after new revision

Documents can now be automatically opened directly after revising them in the “new revision” dialog.

New document on Object

It is now possible to add a new document on an object to get the common item designation directly

Copy/Paste document

It is now possible to copy a document using ctrl+c and then pasting it using ctrl+v.

Sheet based document:

A new sheet is created and the document file from the original is copied to it.

Sheet-less:

The new document dialog is shown prepopulated with data from the original document as a template. Once the document is created the document file from the original is copied to the new document.

No additional files are copied in either case.

Automatic Allocation (Wires)

A new setting has been added to the Automatic Allocation Dialog. When choosing to not allocate Links, it is now possible to allocate wires on the connections that would have been Links.

Autonumber

The Autonumber function has been changed. You can now choose between allocating either Links & Wires or Only Wires.

- Links & Wires – This is how the function has always worked, Links are created if possible, otherwise Wires.
- Only Wires – Link allocation is ignored and Wires are allocated on all connections.

System Design Reports

It is now possible to create Project Depending variants of the System Design reports.

Default generated sequence IDs for new main folders

It is now possible to use a predefined sequence ID for new main folders, for users that just want a unique ID. A prefix can also be used.

Custom Main Folder Captions

You can now choose a combination of field values of the main folder to be displayed as the caption, enabling more information to be displayed in the tree browser.

Last Used Main Folder

The last used main folder for a user is selected during the next upstart for that user.

Default preview template

It is now possible to add a default template that is used when previewing files in an external application, when using the default internal pdf preview control this setting is not in use.

To set a default template create a file called 'default.html' with the appropriate content for launching the preview in your Viewertemplates folder. It is possible to see/set the location of this folder by right clicking the standard in question in the 'Standard Configuration' administration dialog and selecting 'Change Path...' and looking at the value 'Template Directory'.

Shared preview folder / Autovue red-lining

An option has been added that allow for the use of the same path all the time when previewing documents. Normally they are stored in a temporary structure that will be generated using a different path for every preview occasion. This is to prevent that the preview files can be locked by another preview application or user.

By setting the variable EXP_SHARED_PREVIEW_FOLDER to a folder preview document will instead be written to a structure under this folder according to the following scheme:

EXP_SHARED_PREVIEW_FOLDER\Main Folder\Revision\Path set on the document\Filename

So for example the document with main folder mainf, revision – and path: .\my docs\1.docx would with a setting of "p:\preview" be written to:

p:\preview\mainf\-\my docs\1.docx

Observe that documents with a common working folder set are unaffected by this setting as they are previewed in place.

8.1.2 Design

AutoCAD New included in Ribbon

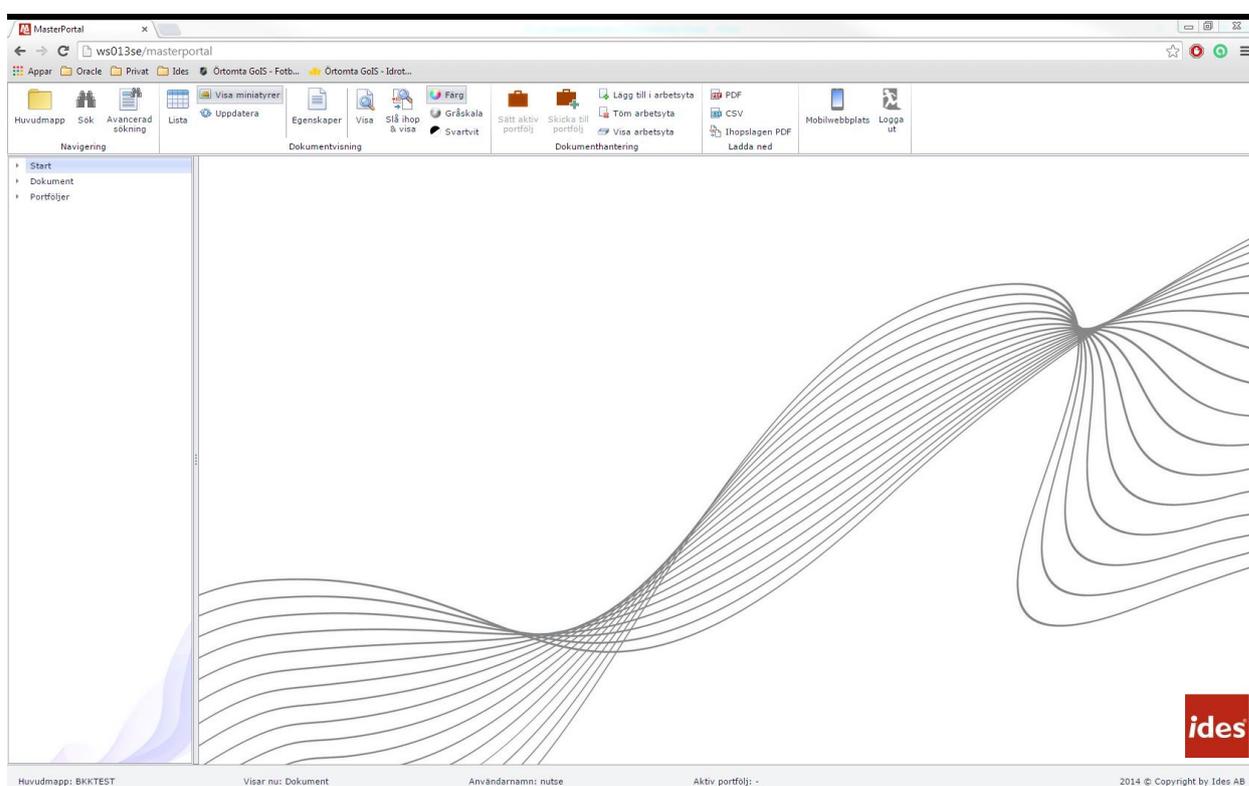
Cable Routing – Cable paths

There is a new function that draws cable paths in ELOD drawings. The cable paths are scaled down to fit into the drawing form.

8.1.3 MasterPortal

A new web based version of MasterPortal has been released. For more information see:

<http://www.idesglobal.com/masterconcept/masterportal/>



8.2 Updated Functionality

8.2.1 Explorer

The Label Configuration dialog

Labels are now only created on the language chosen in the label configuration dialog. The user has the option to create the label in other languages through the right click menu in the editing tool to the right in the Label configuration editor.

For labels of list types the user now has the possibility to delete rows in the list through a right click menu.

For labels in the document labels view the document type is now presented to be more readable.

Labels Update

- Fixed several issues regarding Label Role Settings.
- Task Data Tab now supports grouping of Free Data.
- Fixed sorting of Groups when displayed in Data Tab.
- Labels for Documents now support Hidden and Read-only role setting.
- Labels for Information Objects now support Hidden and Read-only role setting.
- Fixed label for field KEYA01 in Document Data Tab.
- Label Configuration dialog UI improvements.
- New label type has been added, SQL Query.
- All labels now support Automatic Suggestion List label type.
- Added Denomination as static label for Information Objects.
- Label Configuration dialog performance enhancements.
- By right clicking on a label, you can now see in which categories and fields a label is used.
- Demand data is now highlighted in Object List

Improvements in the validation of label editors

If values of the wrong type are pasted into cells with label editors (e.g. text pasted into a number field), validation will prevent the wrong data from being imported. This problem could previously occur after using the paste functionality in grid cells with custom label editors (e.g. Number fields etc).

Property Mapping

- Document Properties Lookup

It is now possible to import properties from Office and AutoCAD documents based on property mappings when they are imported using the document import functionality.

- Revisions with property mapping

It is now possible to set which data about the document revisions that are passed to the document through the property mapping functionality. The data sources “Revision – Approved” and “Revision – Created” are used in the property mapping dialog to specify revision data.

- Property mapping data format

How the data should be formatted is decided based on the property mapping configuration. For example, using the method upper() in the Database Field column will give the data in uppercase.

- Stored procedure

Stored procedures have been removed as a separate selection in the property mapping administration dialog. Instead, it is possible to use stored procedures directly in the Database Field column without setting a specific data source.

- Default property mapping set

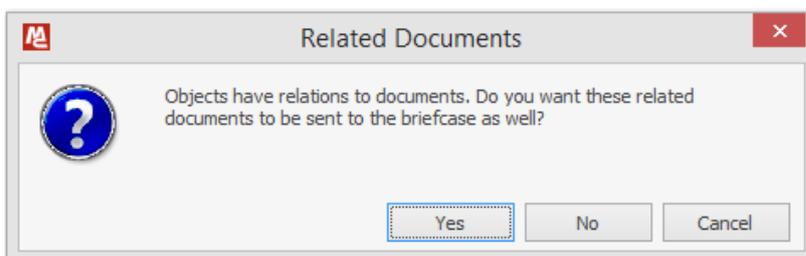
When upgrading the database, a property mapping set named “Standard” will be inserted into the database. Using it will provide opened document with the most used values from Master Concept. If the database already contains such a property mapping set then the documents using it might receive some more values but in any other case the configuration is unaffected.

- CAD Documents

It is now possible to use the property mapping functionality to receive values from Master Concept in opened CAD documents.

Briefcase Changes

- As of version 12.1 of MasterConcept, the choice of including documents related to objects is made when adding an object to the briefcase and not as a general choice for all objects included in the briefcase.



- The fileserver directory can now be included in the exports by checking the “Fileserver” checkbox on the “what to export” tab.

Importing mail and their attachments

When mails are inserted to the import dialog from Microsoft Outlook, the import dialog will look for any attachments and add them to the dialog as well. Those attachments are later related as children to the mail document when the documents in the dialog have been imported.

Filtered choices for type code and language in Import Documents

The combo boxes for type code and language in the Import Documents dialog are now per default filtered by the file extension of the file being imported. There is a new check button in the toolbar that can be unchecked if all type codes and language combinations should be available.

Removing relations

Instead of removing a relation by selecting both the parent and the child and then right click and selecting to remove the relation, it is now possible to just right click the child and select the remove relation option. The relation to the current tree parent will be removed. The option to remove the relation is also available in the Ribbon.

Delete Documents

A new variable, EXP_DOC_ALLOWDELETERELATEDOBS, has been added to the system. This controls if the *Delete Related Objects* checkbox is enabled or not when deleting documents. Default this is set to TRUE.

Search

- Easier to Select Type
- Added possibility to control Exact match or Wildcards

Import approved documents in approved status in Briefcase

When set, documents that are approved in the briefcase will be imported as approved. This settings can be found in Briefcase Settings or set the variable BRIEF_SAVE_APPROVEDATA to true.

Preview Tab

- Internal2 viewer now supports converting previewed document to Monochrome.
- It's now possible to preview images.

Importing basic solutions

It is possible to import basic solutions when standing on the "Basic Solutions" node in the tree. A ribbon button, "Import Basic Solutions", will appear second next to the "Import Documents" button. The dialog for importing basic solutions works in a very similar way as the dialog for importing documents. One difference to note is that the dialog for importing basic solutions will check-in the basic solutions after the import.

PDF Merge - Documents and Information Objects

It is now possible to create merged PDFs from a list of selected documents as well as from Information Objects. The PDF created from the Information Object is not recursive, so only documents related directly to the Information Object is included.

PDF Merge - PM_RETURN

A new variable has been added, PM_RETURN. This can have four different values:

- Nothing – Default value, nothing happens after the PDF has been created.
- Message – A message will let the user know where the PDF is located.
- Folder – The folder containing the created PDF will be opened.
- File – The created PDF will be opened.

PDF Merge – Document Grouping

The PDF Merge functionality now supports all five document grouping levels, as well as groupings on empty values.

Copy Structure Performance Improved

The performance in the initial document validation step in “copy structure” has been greatly improved.

Browse to Project

- Right Click in Data Tab
- Right Click in Object/Document Status Dialog

System Design

The context menu has been modified to include the regular Article submenu. This enables you quick access to the most commonly used articles for each category.

A new validation has also been added before save, making sure that all sub objects match the main object. This will prevent objects being created in the wrong structure.

Cable Inspector

It is now possible to browse through the filtered cables by pressing Page Up and Page Down.

Unexpected error when creating a new version of a checked in document (case: 25544)

A problem has been corrected where an error was encountered while creating a new version of a checked in document containing one or more additional files.

8.2.2 Design

CAD Driver

- It's now possible to reset MasterConcept Workspace through DesignUISettings.xml.
- New variable. DOC_CADOPENZOOM. Zoom Extents when opening an AutoCAD drawing. Values, TRUE/FALSE.
- Automatically generates PDF when saving document. This functionality has been added with an option to turn it off.
- Now reads PDF plot settings from the Document Type.
- Now possible to set Summary information (Document properties) through Property Mapping.

- Now possible to set block attributes through Property Mapping.

Fields and property mapping

It is now possible to use fields in drawings so that document data is updated without using the mapping in the form administrator. There is an example form Mluser/schema/ides-a3l that uses a standard document property mapping.

9 Database Package Version

This is the version of the released database packages/functions and procedures.

Name	Version	Date
ELMPROJ_KILL_PROJECT	13	050309
ELMPROJ_RENAME_DOCS	09	980127
EPC_ALLOC	98	140220
EPC_ARTICLE_REFERENCE	02	060518
EPC_CONNECTION	29	110810
EPC_COPY	31	100423
EPC_COPY_CAB	03	010627
EPC_COPY_JOB	03	980527
EPC_DES	09	120831
EPC_DIFFLIST	34	090429
EPC_DM	14	131008
EPC_DOC	19	100218
EPC_EXCHANGE	19	091209
EPC_IO	33	120831
EPC_LANG	15	070829
EPC_LOCK	01	010315
EPC_MERGE	5	091123
EPC_NEW_COPY	67	140414
EPC_NEW_COPY_CAB	09	131211
EPC_NEW_COPY_JOB	014	140213
EPC_REP_COMMON	158	140410
EPC_REP_HYDRO	03	061002
EPC_REP_INT_CREATE	034	140219
EPC_REP_INT_DIFFLIST	010	140120
EPC_REP_INT_FORMAT	025	140219
EPC_REP_IO_CREATE	002	091015
EPC_REP_IO_DIFFLIST	004	110405
EPC_REP_IO_FORMAT	002	091015

EPC_REP_PROJ_CREATE	034	140227
EPC_REP_PROJ_DIFFLIST	010	140120
EPC_REP_PROJ_FORMAT	013	140131
EPC_REP_ROUTING_CREATE	004	130603
EPC_REP_ROUTING_DIFFLIST	002	110131
EPC_REP_ROUTING_FORMAT	003	111212
EPC_REP_SPC	06	091120
EPC_REP_TASK_CREATE	013	130517
EPC_REP_TASK_DIFFLIST	007	130517
EPC_REP_TASK_FORMAT	07	130517
EPC_SCRIPTS	05	091117
EPC_TASKREQUEST	39	140512
EPC_TIME	03	990910
EPC_USERVARS	01	041216
EPC_UTIL	04	080410
FORSA_SORT	03	970402
GENERATE_REPORT	15	110131
IDES_JAVA_UTILS	1	130627
IDOK_DESMAN	50	130115
IDOK_FORSA	04	021220
IDOK_FORSA	161	140512
IDOK_FORSA	162	140423
IDOK_FORSA	193	140108
IDOK_FORSA	147	131104
IDOK_FORSA	400	130415
IDOK_FORSA	37	130115
IDOK_GRNT	001	081013
IDOK_SY	001	091013
IDOK_USR	001	091013
ID_TABLE	02	060630
ID_TRAV	01	011018
PROJECT_CODES	03	990908
PROJECT_TABLE	04	090819

10 Known Limitations

Changes do not take effect immediately

Not all changes made in the Administration dialogs will take effect immediately, so after changing something in the administration dialogs it is advisable to restart the MasterExplorer application to ensure that the changes will take effect.

I/O Loop

This functionality has been removed temporarily, if you use this dialog frequently and is in great need of this functionality please contact support.

Grid Limitations (32-bit only)

When loading data into the grid the memory limitation in the product is around 1 GB. That means the document list can fetch approx. 120.000 rows and the Object List approx. 110.000 rows.

We will investigate this further to solve this limitation.

Update cabledef symbols

Update from database does not update cable codes if you have both codes and an article on the connection. The codes will not be updated until you save the drawing.

Word and Excel Reports

If you have both Word and Excel reports in a single project, avoid using the same filename (i.e. 1.DOC and 1.XLS), this may cause problems with the xml-file used for generating the data.

Article Summary Reports

Does not work for Word and Excel reports, the formatting of the summary are made in the crystal report.

Preview of MS Office documents on a 64bit system

To be able to dock an instance of Word or Excel in the preview tab this application must be 64bit when the MasterExplorer is running as a 64bit application. However, MS Office will by default install the 32bit version even on 64bit systems to improve backwards compatibility.

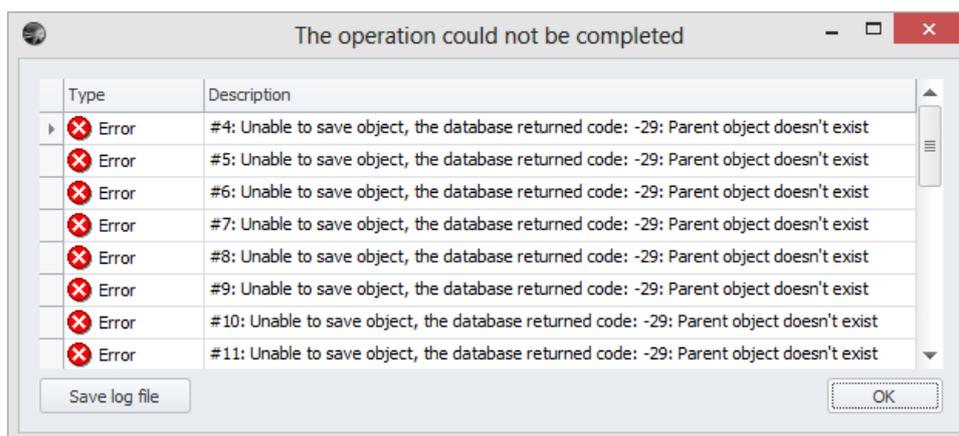
This means that provided we have a standard installation of Office and the Explorer on a 64bit system, it is not possible to display Office documents in the preview window. They will instead open in a separate Word or Excel application window.

Briefcase files with more than 1000 documents may not be exportable when running windows XP

When the briefcase to be exported contains records of around 1000 records, the export may fail without any export file being created. Try to split up the briefcase into several smaller briefcase files instead and export these instead.

When imported objects are related to each other the object import may produce errors

When objects are related to each other via object-object relations or structurally, the following messages may appear when importing. In order to solve the errors, please import the objects again until the messages no longer appear. Also, make sure that all objects can be imported (e.g. locked in another project) before importing.



You may also get errors complaining about a missing "CETLTER_RETDOOB_FK" relation. In order to solve this, import the documents and objects until everything is marked as imported. Then re-import the connections.

Report Filter and Report Format in Briefcase

The Briefcase function do not handle report filter and report format. The report data is also not included.

Oracle Vault on Own SID

When the Oracle Vault exists on a separate Oracle SID it also needs an upgrade. Run the Vault Installation to update the Oracle Vault SID.