

**Drawing Management Phase 2**

**Data Dictionary**

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Table of Contents

[1. Tables 3](#_Toc500949883)

[1.1. C\_CDMSUITE\_BatchDrawings 3](#_Toc500949884)

[1.2. C\_CDMSUITE\_BatchRequests 3](#_Toc500949885)

[1.3. C\_CDMSUITE\_ColumnHeaders 3](#_Toc500949886)

[1.4. C\_CDMSUITE\_DrawingRequest 4](#_Toc500949887)

[1.5. C\_CDMSUITE\_Issue\_Package 5](#_Toc500949888)

[1.6. C\_CDMSUITE\_IssuePackageLookup 5](#_Toc500949889)

[1.7. C\_CDMSUITE\_ReservedAdnIds 6](#_Toc500949890)

[1.8. C\_CDMSUITE\_ShoppingCart 6](#_Toc500949891)

[1.9. C\_CDMSUITE\_Users 6](#_Toc500949892)

[1.10. C\_CDMSUITE\_Widgets 7](#_Toc500949893)

[2. Stored Procedures 8](#_Toc500949894)

[2.1. CSP\_CDMSUITE\_AddAdnRefs 8](#_Toc500949895)

[2.2. CSP\_CDMSUITE\_CancelRevisions 8](#_Toc500949896)

[2.3. CSP\_CDMSUITE\_DoBatchTransition 8](#_Toc500949897)

[2.4. CSP\_CDMSUITE\_GetLocationForSignOut 9](#_Toc500949898)

[2.5. CSP\_CDMSUITE\_GetNextIssuePackgeId 9](#_Toc500949899)

[2.6. CSP\_CDMSUITE\_GetNodePermissions 9](#_Toc500949900)

[2.7. CSP\_CDMSUITE\_GetUserShoppingCart 10](#_Toc500949901)

[2.8. CSP\_CDMSUITE\_ InsertUnissuedIntoCrt 10](#_Toc500949902)

[2.9. CSP\_CDMSUITE\_IsNodeCheckedOut 10](#_Toc500949903)

[2.10. CSP\_CDMSUITE\_IsNodeTdStandards 11](#_Toc500949904)

[2.11. CSP\_CDMSUITE\_ReserveDrawingNumbers 11](#_Toc500949905)

[2.12. CSP\_CDMSUITE\_Search 12](#_Toc500949906)

[2.13. CSP\_CDMSUITE\_SignInRevision 13](#_Toc500949907)

[2.14. CSP\_CDMSUITE\_SignOutRevision 13](#_Toc500949908)

1. Tables
   1. C\_CDMSUITE\_BatchDrawings

This table is used to keep track of what drawings were associated with a particular batch request. This table is used when users navigate to the CDM Library and add drawings to their shopping cart and then select the “Print” option from the shopping cart. All Drawings associated with each requests get added to this table.

|  |  |  |
| --- | --- | --- |
| **Column** | **Data Type** | **Description** |
| Request\_Id | nvarchar(50) | This is a foreign key that is directly associated with the request id from the C\_Cdm\_BatchRequests table. |
| DataId | bigint | This contains the dtree data id of the selected document. |
| Name | Nvarchar(248) | This contains the dtree name of the document. |

* 1. C\_CDMSUITE\_BatchRequests

This table is used to keep track each batch request that is submitted and who the request was submitted by. A new line is added to this table when users navigate to the CDM Library and add drawings to their shopping cart and then select the “Print” option from the shopping cart.

|  |  |  |
| --- | --- | --- |
| **Column** | **Data Type** | **Description** |
| Request\_Id | nvarchar(50) | This is the unique request id that gets created when a user submits a print request |
| Requestor\_name | nvarchar(100) | The name of the person who submitted the request |
| Requestor\_Email | nvarchar(100) | The email of the person who submitted the request |
| Downloaded | bit | Bit value which contains a 1 when the files have been downloaded to the server and are ready to be combined by adobe live cycle. |
| Delivered | bit | Indicates if the email has been delivered to the requestor |
| Delivery\_date | datetime | Indicates the date when the email was sent |
| Error | bit | This field contains a bit which contains a 1 if an error occurred and a 0 if no error has occurred. If the request has not been processed this value is null. |
| Directory\_count | int | Indicates how many subfolders are included in this request. |

* 1. C\_CDMSUITE\_ColumnHeaders

This table contains all the possible column headers for the CDM Suite and indicates where these specific headers will be available.

|  |  |  |
| --- | --- | --- |
| **Column** | **Data Type** | **Description** |
| Id | Int | Unique Id for each header. |
| ColumnLable | nvarchar(100) | This is the name of the attribute that the header is associated with |
| ColumnMapTo | nvarchar(100) | This is the Id that is used to reference the column in code. |
| ColumnWidthPerc | real | The width percentage of the field |
| ColumnIndex | int |  |
| ColumnRegion | nvarchar(max) |  |
| ShowInLibraryPreferences | bit | Bit field which indicates if the column is used in the CDM Library or not |
| ShowInDashboardPreferences | bit | Bit field which indicates if the column is visible in the CDM Dashboard or not |
| ShowInDashboardVaultPreferences | bit | Indicates if the column is visible in the Vault preferences. |
| ShowInDashboardActivePreferences | bit | Indicates if the column is visible in the Active preferences. |

* 1. C\_CDMSUITE\_DrawingRequest

This table is used to keep track of each drawing number request that is submitted. Every time a user fills out a form to request new drawing numbers a new row is inserted into this table to indicate what numbers the user has requested.

|  |  |  |
| --- | --- | --- |
| **Column** | **Data Type** | **Description** |
| Id | bigint | Unique Id to keep track of each request that is submitted. |
| RequestType | nvarchar(255) | Indicates the type of request was submitted. |
| RequestedBy | nvarchar(255) | The username of the person who submitted the request |
| RequestDate | datetime | The date that the request was submitted. |
| ProcessedBy | nvarchar(255) | The name of the person who approved the request |
| ProcessedStatus | char(10) | Indicates the status of the request  A=Approved  R=Rejected  U=Unprocessed |
| ProcessedDate | datetime | Indicates the date that the request was approved or processed. |
| Error | bit | Bit field which contains a 1 if there was an error while completing the process. |
| ErrorDate | datetime | The date when the request errored out. |
| ErrorMessage | nvarchar(max) | The Error message explaining why there was an error generating the drawings |
| RequestData | nvarchar(max) | The Form data that was submitted with the drawing number request in the form of a JSON string |
| ReservedNumbers | nvarchar(max) | The Numbers that have been reserved for the particular request |
| Generated | bit | Bit field which indicates if the reserved numbers have been generated or not |
| GeneratedDate | datetime | Date that the drawings were generated |
| EmailSent | Bit | Bit field which indicates if the email was sent after the drawings have been generated. |
| EmailError | bit | Bit field which indicates if an error occurred while sending the email. |
| EmailDate | datetime | Date that the email was sent. |

* 1. C\_CDMSUITE\_Issue\_Package

This Table is used to keep track of the package numbers that are generated by CDM. This table is replacing the access database which CDM previously used to generate new package numbers.

|  |  |  |
| --- | --- | --- |
| **Column** | **Data Type** | **Description** |
| PackageId | int | Unique id for each package that is generated. |
| PackageNumber | nvarchar(250) | The package number that is generated. |
| StationName | nvarchar(250) | The substation That is associated with the package number. |
| SubType | nvarchar(250) | The substation Type. |
| DateIn | datetime | The date that the request was submitted. |
| DateProcessed | datetime | The date that the request was processed. |
| GradeType | nvarchar(250) | The grade specified in the request. |
| IssueType | nvarchar(250) | The Issue type specified in the request. |
| Discipline | nvarchar(250) | The Discipline that was specified in the request. |
| SapCostCenter1 | nvarchar(250) | Primary cost center |
| SapCostCenter2 | nvarchar(250) | Additional cost center |
| SapCostCenter3 | nvarchar(250) | Additional cost center |
| SapCostCenter4 | nvarchar(250) | Additional cost center |
| SapCostCenter5 | nvarchar(250) | Additional cost center |
| ProjectEngineer | nvarchar(250) | The project Engineer specified in the request. |
| Comment | nvarchar(250) | Comments that were submitted with the request. |
| DateCreate | datetime | The date in which the new package number was generated. |
| CreatedBy | nvarchar(250) | The person who generated the new package number. |
| DateModified | datetime | Tracks the date that the package number was last modified |
| ModifiedBy | nvarchar(250) | The username of the last person to modify the package number. |
| CancelFlag | bit | Indicates if the package number was canceled. |
| DateCancelled | datetime | Specifies the date that the package was cancelled. |
| TrtpPrelim | bit | Indicates if the request was Trtp Prelim. |
| RushFlag | nvarchar(50) | Indicates if the request was a rush. |
| Prelim | bit | Indicates if the request was a prelim. |

* 1. C\_CDMSUITE\_IssuePackageLookup

Table used to track the last number used for the package number generation

|  |  |  |
| --- | --- | --- |
| **Column** | **Data Type** | **Description** |
| IssueYear | Int | The last two digits of the year that the Package was generated. |
| IssueMonth | int | The month that the package numbers were generated. |
| LastValue | int | The last value that was generate for the specific year month combination. |
| DateModified | datetime | The date in which the last package was generated for that year and month. |

* 1. C\_CDMSUITE\_ReservedAdnIds

This table contains the ADNIDs that will be reserved for use in CDM Suite drawing number generation requests.

|  |  |  |
| --- | --- | --- |
| **Column** | **Data Type** | **Description** |
| CurrentId | bigint | This Is the next available ADNID that will be used when generating a new drawing. |
| EndOfLowRange | bigint | This is the highest ADNID that can be used before the system starts having conflicts. |
| StartOfHighRange | bigint | This is ADNID that the system will jump to when the End of low range is reached. |

* 1. C\_CDMSUITE\_ShoppingCart

Table to track users’ Shopping Cart contents for CDM Suite.

|  |  |  |
| --- | --- | --- |
| **Column** | **Data Type** | **Description** |
| Id | bigint | Primary id that gets incremented for each row that is added to the shopping cart table. |
| dataid | bigint | Data id of the drawing the user added to their shopping cart. |
| username | varchar(100) | The Username of the user adding items to their cart. |
| dashboard | bit | Bit field that contains 1 if it is a CDM Dashboard cart item, and 0 if it is a CDM Library cart item. |
| ProcessingSignOut | bit | Will contain 1 if the drawings are being signed out by a user. This is used during the drawing sign out process. |

* 1. C\_CDMSUITE\_Users

Table to track CDM Suite user preferences. This table already exists as C\_CDMLIB\_Users and will be renamed.

|  |  |  |
| --- | --- | --- |
| **Column** | **Data Type** | **Description** |
| Id | int | Unique id for each row that is added to the table |
| UserID | bigint | The kuaf user id for the specific user. |
| WindowsUserName | nvarchar(100) | The windows user name of the user |
| LoggedInAs | nvarchar(max) | The content server username for the user |
| HelpUrl | nvarchar(max) |  |
| WidgetPreferences | nvarchar(100) | An ordered list of the widgets that the user wants to see on their search pane in the correct order. This list contains the widget ids from the C\_CdmSuite\_widgets table. |
| HeaderPreferences | nvarchar(100) | The order in which the user would like to see their column headers in the search results pane of the CDM Library. This list contains the ids from the C\_CdmSuite\_ColumnHeaders table. |
| NumberOfResults | int | The Number of results rows that will be returned in a user’s search results, when searching in the CDM Library. |
| DashboardWidgetPreferences | nvarchar(100) | An ordered list of the widgets that the user wants to see on their search pane of the CDM Dashboard. This list contains the widget ids from the C\_CdmSuite\_widgets table. |
| DashboardActiveHeaderPreferences | nvarchar(100) | Specifies the order in which the user would like to see their column headers in the search results pane of the CDM Dashboard active view. This list contains the ids from the C\_CdmSuite\_ColumnHeaders table. |
| DashboardVaultHeaderPreferences | nvarchar(100) | Specifies the order in which the user would like to see their column headers in the search results pane of the CDM Dashboard vault view. This list contains the ids from the C\_CdmSuite\_ColumnHeaders table. |
| DashboardNumberOfResults | int | The Number of result rows that will be returned in the user’s search results, when doing a CDM Dashboard search. |
| Clipboard | nvarchar(max) | The User’s clipboard, this is used for the copy paste feature of the edit metadata forms. |

* 1. C\_CDMSUITE\_Widgets

Table to track search widgets that are available to CDM Suite users.

|  |  |  |
| --- | --- | --- |
| **Column** | **Data Type** | **Description** |
| Id | int | The Id of the widget. |
| SearchFieldName | nvarchar(100) | The name of the search field |
| CategoryName | nvarchar(100) | The Name of the category that is associated with the attribute |
| AttributeName | nvarchar(100) | The name of the attribute in content server |
| Caption | nvarchar(100) | The display text for the attribute. |
| Type | nvarchar(50) | The type of widget. |
| swIndex | int | Widget Id |
| Options | nvarchar(max) | Specifies available options for radio button fields. |
| Region | nvarchar(255) | Defines the attribute defid and attribute id. |
| ShowInLibraryPreferences | bit | Bit that defines if the widget should be part of the CDM library preferences. |
| ShowInDashboardPreferences | bit | Bit that defines in the widget should be part of the CDM Dashboard preferences. |

1. Stored Procedures
   1. CSP\_CDMSUITE\_AddAdnRefs

**Description:** This stored procedure creates an entry in the AdnRefs table upon drawing creation or sign out if the and reference does not currently exist. The AdnRefs table provides a way to associate each dataid with an adnid in the Adnids table. Upon document creation a new data id may be created and therefore needs to be linked to an adnid.

**Inputs:**

1. adnDrawingId: AdnId associated with the nodeid.
2. DrawingNodeID: Document dataID.

**Updated Tables:**

1. AdnRefs
   1. CSP\_CDMSUITE\_CancelRevisions

**Description:** This stored procedure takes in a list of dataids and a userid and cancels the revision request for the dataid as the user. The revision is canceled by changing the active revision’s revision status to 4 (canceled) and adding an entry in the event table indicating that the user has canceled the revision.

**Inputs:**

1. DataIdList: A list of dataIds that have active revision requests that need to be canceled.
2. UserId: The userId of the person canceling the revision request.

**Updated Tables:**

1. CRT\_Revision
2. CRT\_Event
   1. CSP\_CDMSUITE\_DoBatchTransition

**Description:** This stored procedure is used to change the processflow transition state of a specified node in the active documents.

**Inputs:**

1. StateID: The new state that the node will be set to.
2. PriorStateId: The previous state of the node.
3. NodeID: The node Id of the document of interest.

**Updated Tables:**

1. CRT\_Revision
2. CRT\_Event
   1. CSP\_CDMSUITE\_GetLocationForSignOut

**Description:** This stored procedure is used during the drawing sign out process to check if the drawing has already been signed out to a specified project and revision type. If the drawing has never been signed out to the specified folder then a new node should be created in the project folder.

If the drawing exists in the specified folder then the drawing’s dataid will be returned. If the drawing has never been signed out to the specified project and revision type then the node id will not exist, and the stored procedure will return the negative value of the folder node that the document should be created in.

**Inputs:**

1. P\_vaultId: The vault dataid for a drawing.
2. P\_RevisionType: the revision type that the drawing is being signed out to.
3. P\_project: The project that the drawing is being signed out to.

**Updated Tables: N/a**

* 1. CSP\_CDMSUITE\_GetNextIssuePackgeId

**Description:** This Stored procedure is used by the package number generation process to keep track of the last package number that was created for the current year and month. This stored procedure will figure out and return the next issued package number that should be created for Cdm.

**Inputs:** N/a

**Updated Tables:**

1. C\_CDMSUITE\_IssuePackageLookup
   1. CSP\_CDMSUITE\_GetNodePermissions

**Description:** This Stored procedure returns what the permissions should be for a specific node id, based on its current and process flow state. This stored procedure is called during the sign out process and the batch transition process to determine what the permissions on the node should be set to after it has been given a process flow state.

**Inputs:** NodeId: This is the dataid of the drawing in the active documents.

**Updated Tables:**

1. N/A
   1. CSP\_CDMSUITE\_GetUserShoppingCart

**Description:** This Stored procedure is used to retrieve a specific user’s shopping cart content for both the CDM Dashboard and the CDM Library.

**Inputs:**

1. UserId: This kuaf username of the user.
2. getDashboardCart: A bit that indicates if the returned results should contain the CDM dashboard content of CDM Library content.

**Updated Tables:**

1. N/A
   1. CSP\_CDMSUITE\_ InsertUnissuedIntoCrt

**Description:** This Stored procedure is used during the drawing creation process to add a brand new drawing to the CRT Dashboard. It creates an initial rev placeholder with a revision label of ”-“ in the vault, and it creates an active revision 0 in the active documents.

**Inputs:**

1. adnDrawingNumber: The and Id associated with the drawing number
2. vaultDocId: The dataid of the document in the vault
3. vaultFolderId: The dataid of the vault folder
4. projectDocId: The dataid of the active document
5. ProjectFolderId: The data id of the project folder
6. ProjectName: The name of the project it will be signed out to.
7. assignerId: The Id of the person who requested the document
8. assignerName: The Name of the person who requested the document
9. assignerFullName: The full name of the person who requested the document

**Updated Tables:**

1. CRT\_Revision
2. CRT\_Event
3. LM\_Lifecycles
   1. CSP\_CDMSUITE\_IsNodeCheckedOut

**Description:** Used to see if a specific node is checked out or not. This stored procedure will take a vault data id as the input and returns 1 or 0.

**Inputs:**

1. P\_VaultNodeId: The dataid of a document in the vault.

**Updated Tables:**

1. N/A
   1. CSP\_CDMSUITE\_IsNodeTdStandards

**Description:** This stored procedure is used to see if a node is in the T/D standards project or has a drawing type of “standards”, and will return a 0 or 1 respectively.

**Inputs:**

1. P\_VaultNodeId: The dataid of a document in the vault.

**Updated Tables:**

1. N/A
   1. CSP\_CDMSUITE\_ReserveDrawingNumbers

**Description:** This stored procedure is used to reserve brand new drawing numbers in the system for them to be generated. This stored procedure is called when CDM approves a drawing number request. It will return the request number and all the drawing numbers that were generated for the request.

**Inputs:**

1. RequestList: A list of items that were requested. The list must be in the following format 'prefix:quantity:suffix;prefix:quantity:suffix'
2. RequestId: The Id of the request that is being processed
3. RequestType: The type of request it was
4. UserName: The username that submitted the request
5. NewRequest: A bit indicating if it is a brand new request or not
6. IsCdmUser: A bit indicating if the person submitting the request was a member of CDM or not
7. RequestData: The request data that was submitted.

**Updated Tables:**

1. C\_CDMSUITE\_DrawingRequest
2. AdnIds
3. AdnElements
4. C\_CDMSUITE\_ReservedAdnids
   1. CSP\_CDMSUITE\_Search

**Description:** This is the Stored Procedure that is used for searching the CDM Suite

**Inputs:**

1. P\_Ouid
2. P\_IsDashboardQuery
3. P\_isVaultQuery
4. P\_DrawingNumber
5. P\_DrawingNumber\_Start
6. P\_DrawingNumber\_End
7. P\_DataID\_Scope
8. P\_DrawingTitle
9. P\_Facility
10. P\_FacilityMatchesNeeded
11. P\_SheetNumber
12. P\_SectionNumber
13. P\_Supplier
14. P\_IssuePackage
15. P\_RevAccountingNumber
16. P\_Discipline
17. P\_DrawingType
18. P\_OriginalStoredAt
19. P\_Medium
20. P\_ProjectString
21. P\_RevisionType
22. P\_OwnedByUser
23. P\_HoldDate\_Staart
24. P\_HoldDate\_End
25. P\_ModifiedDate\_Start
26. P\_ModifiedDate\_End
27. P\_IssuedDate\_Start
28. P\_IssuedDate\_End
29. P\_UserName
30. P\_UserId

**Updated Tables:**

1. N/A
   1. CSP\_CDMSUITE\_SignInRevision

**Description:** This stored procedure is used to sign in a revision from the active documents to the vault

**Inputs:**

1. NodeId: The dataid of a document being signed in.
2. VaultId: The dataid of the vault document.
3. UserName: The user signing it in
4. EventProcess: The process Type to be entered into the events table

**Updated Tables:**

1. CRT\_Revision
2. CRT\_Event
   1. CSP\_CDMSUITE\_SignOutRevision

**Description:** Will sign out a drawing using the CRT Tables.

**Inputs:**

1. P\_projectNodeId: The dataid of the active node.
2. P\_vaultNodeId: The dataid of the vault node.
3. P\_UserId: The user Id.
4. P\_RevisionType: The type of revision, ex: new revision, Obsolete
5. P\_project: The name of the project

**Updated Tables:**

1. CRT\_Revision
2. CRT\_Event
3. AdnRefs
4. C\_CDM\_Drawing