

# Sana Commerce 8.2

## Microsoft Dynamics NAV Object Changes

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More information: [www.sana-commerce.com](http://www.sana-commerce.com)

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## Changed Objects Overview

These are the standard NAV objects that have been changed by Sana Commerce. For details concerning code changes on standard objects please read [this](#) chapter. Note that the changes described below are included in the 'SC\_Standard\_objects.fob' & 'SC\_Standard\_objects.txt' files.

Object Type	Object ID	Object Name	WSExposed
Table	9	Country/Region	FALSE
Table	13	Salesperson/Purchaser	FALSE
Table	18	Customer	FALSE
Table	27	Item	FALSE
Table	30	Item Translation	FALSE
Table	36	Sales Header	FALSE
Table	37	Sales Line	FALSE
Table	110	Sales Shipment Header	FALSE
Table	112	Sales Invoice Header	FALSE
Table	114	Sales Cr.Memo Header	FALSE
Table	279	Extended Text Header	FALSE
Table	280	Extended Text Line	FALSE
Table	5050	Contact	FALSE
Table	5401	Item Variant	FALSE
Table	5715	Item Substitution	FALSE
Table	5722	Item Category	FALSE
Table	5723	Product Group	FALSE
Table	6660	Return Receipt Header	FALSE
Table	7002	Sales Price	FALSE
Table	11123305	SC - Setup	FALSE
Table	11123306	SC - Translation	FALSE
Table	11123308	SC - Catalog Filter	FALSE
Table	11123310	SC - Parameters Collection	FALSE
Table	11123312	SC - Role Center Cue	FALSE
Table	11123313	SC - Webshop	FALSE
Table	11123314	SC - Order Import Info.	FALSE
Table	11123315	SC - Manual Process Requests	FALSE
Table	11123316	SC - Process Requests Setup	FALSE
Table	11123317	SC - Product Info.	FALSE
Table	11123318	SC - Variant Info.	FALSE
Table	11123319	SC - Product Variant Price	FALSE
Table	11123320	SC - Data Validation Header	FALSE
Table	11123321	SC - Data Validation Line	FALSE
Table	11123322	SC - Lookup Value	FALSE
Table	11123323	SC - Sales Document Header	FALSE
Table	11123324	SC - Sales Header Blob	FALSE
Table	11123325	SC - Sales Document Line	FALSE
Table	11123326	SC - Customer Assortment	FALSE

Page	10	Countries/Regions	FALSE
Page	30	Item Card	FALSE
Page	41	Sales Quote	FALSE
Page	42	Sales Order	FALSE
Page	130	Posted Sales Shipment	FALSE
Page	132	Posted Sales Invoice	FALSE
Page	386	Extended Text	FALSE
Page	5401	Item Variants	FALSE
Page	5716	Item Substitution Entry	FALSE
Page	5730	Item Categories	FALSE
Page	5731	Product Groups	FALSE
Page	11123304	SC - Setup	FALSE
Page	11123307	SC - Translations	FALSE
Page	11123309	SC - Catalog Filters	FALSE
Page	11123310	SC - Sales Document Fields	FALSE
Page	11123312	SC - Webshops	FALSE
Page	11123313	SC - Webshop Card	FALSE
Page	11123314	SC - Manual Process Requests	FALSE
Page	11123315	SC - Process Requests Setup	FALSE
Page	11123316	SC - Webshop Catalog Overview	FALSE
Page	11123317	SC - Variants Info.	FALSE
Page	11123318	SC - Table List	FALSE
Page	11123319	SC - Field List	FALSE
Page	11123320	SC - Data Validation Rule	FALSE
Page	11123321	SC - Data Valid. Rule Subform	FALSE
Page	11123322	SC - Manager Role Center	FALSE
Page	11123323	SC - Administrator Activities	FALSE
Page	11123324	SC - Administrator Role Center	FALSE
Page	11123325	SC - Lookup Values	FALSE
Page	11123326	SC - Data Validation Rule List	FALSE
Page	11123327	SC - Customer Assortment	FALSE
Report	11123302	SC - Updating Visiblity	FALSE
Codeunit	1	ApplicationManagement	FALSE
Codeunit	60	Sales-Calc. Discount	FALSE
Codeunit	80	Sales-Post	FALSE
Codeunit	86	Sales-Quote to Order	FALSE
Codeunit	11123303	SC - NAV Web Service	TRUE
Codeunit	11123305	SC - Execution Context	FALSE
Codeunit	11123306	SC - Request Dispatcher	FALSE
Codeunit	11123308	SC - XML/System Functions	FALSE
Codeunit	11123309	SC - Common Functions	FALSE
Codeunit	11123310	SC - Validation	FALSE
Codeunit	11123311	SC - Settings Functions	FALSE
Codeunit	11123313	SC - Customer Functions	FALSE
Codeunit	11123314	SC - Customer Helper	FALSE
Codeunit	11123317	SC - Product Functions	FALSE

Codeunit	11123318	SC - Catalog Helper	FALSE
Codeunit	11123319	SC - Orders Functions	FALSE
Codeunit	11123320	SC - Order/Basket Functions	FALSE
Codeunit	11123321	SC - Custom Filter	FALSE
Codeunit	11123322	SC - Log	FALSE
Codeunit	11123323	SC - Cache Management	FALSE
Codeunit	11123324	SC - Change Management	FALSE
Codeunit	11123325	SC - Calculation Management	FALSE
Codeunit	11123326	SC - Record Management	FALSE
Codeunit	11123399	SC - Uninstall	FALSE
XMLPort	11123302	SC - Import/Export Roles	FALSE
MenuSuite	1052	Dept - Sana Commerce	FALSE

The list of changes in the standard objects is described below:

Object Type	ID	Object Name	Description
Table	9	Country/Region	Field 'Customer Template Code' (11123302 Code[10]) - TableRelation ='Customer Template' added
Table	9	Country/Region	Field 'Visible in Webshop' (11123303 Boolean) added
Table	13	Salesperson/Purchaser	Field ' Last Date/Time Modified' (11123302 DateTime) added
Table	13	Salesperson/Purchaser	Key 'Name' added
Table	13	Salesperson/Purchaser	C/AL code added (see chapter ' <a href="#">Code changes</a> ' for details)
Table	18	Customer	Field 'B2C Customer' (11123302 Boolean) added
Table	18	Customer	Field 'Sana Customer No.' (11123303 Text[50]) added
Table	18	Customer	Field ' Last Date/Time Modified' (11123304 DateTime) added
Table	18	Customer	C/AL code added (see chapter ' <a href="#">Code changes</a> ' for details)
Table	27	Item	Field 'Visible in Webshop' (11123302 Boolean) added
Table	27	Item	Field 'Last Date/Time Modified' (11123304 DateTime) added - Editable=No
Table	27	Item	C/AL code added (see chapter ' <a href="#">Code changes</a> ' for details)
Table	30	Item Translation	C/AL code added (see chapter ' <a href="#">Code changes</a> ' for details)
Table	30	Item Translation	Key 'Description, Language Code' added
Table	36	Sales Header	Key 'Order Date' added Key 'Sell-to Contact' added Key 'Bill-to Name' added Key 'Ship-to Name' added
Table	36	Sales Header	C/AL code added (see chapter ' <a href="#">Code changes</a> ' for details)
Table	37	Sales Line	C/AL code added (see chapter ' <a href="#">Code changes</a> ' for details)

Object Type	ID	Object Name	Description
Table	110	Sales Shipment Header	Key 'Order Date' added Key 'Bill-to Name' added Key 'Ship-to Name' added
Table	112	Sales Invoice Header	Key 'Order Date' added Key 'Bill-to Name' added Key 'Ship-to Name' added
Table	114	Sales Cr. Memo Header	Key 'Posting Date' added Key 'Bill-to Name' added Key 'Ship-to Name' added
Table	279	Extended Text Header	Field 'Visible in Webshop' (11123302 Boolean) added
Table	279	Extended Text Header	C/AL code added (see chapter ' <a href="#">Code changes</a> ' for details)
Table	280	Extended Text Line	C/AL code added (see chapter ' <a href="#">Code changes</a> ' for details)
Table	5050	Contact	Field 'Customer Template Code' (11123350 Code[10]) - TableRelation="Customer Template" added
Table	5050	Contact	Field 'Last Date/Time Modified' (11123304 DateTime) - added
Table	5050	Contact	C/AL code added (see chapter ' <a href="#">Code changes</a> ' for details)
Table	5401	Item Variant	Field 'Visible in Webshop' (11123302 Boolean) added
Table	5715	Item Substitution	Field 'Relation Type' (11123302 Integer) added
Table	5715	Item Substitution	Field 'Sort No.' (11123303 Text[40]) added
Table	5715	Item Substitution	C/AL code added (see chapter ' <a href="#">Code changes</a> ' for details)
Table	5722	Item Category	Field 'Visible in Webshop' (11123302 Boolean) added
Table	5722	Item Category	Field 'Sort No.' (11123303 Integer) added
Table	5722	Item Category	C/AL code added (see chapter ' <a href="#">Code changes</a> ' for details)
Table	5723	Product Group	Field 'Visible in Webshop' (11123302 Boolean) added
Table	5723	Product Group	Field 'Sort No.' (11123303 Integer) added
Table	5723	Product Group	C/AL code added (see chapter ' <a href="#">Code changes</a> ' for details)
Table	6660	Return Receipt Header	Key 'Order Date' added Key 'Bill-to Name' added Key 'Ship-to Name' added
Table	7002	Sales Price	C/AL code added (see chapter ' <a href="#">Code changes</a> ' for details)
Page	10	Countries/Regions	Control 'Customer Template Code' added
Page	10	Countries/Regions	Control 'Visible In Webshop' added
Page	10	Countries/Regions	C/AL code added (see chapter ' <a href="#">Code changes</a> ' for details)
Page	30	Item Card	New Group 'Sana Commerce' added
Page	30	Item Card	Control 'Visible in Webshop' & header label added (Sana Commerce tab)
Page	30	Item Card	Control 'Last Date/Time Modified' added (Sana

Object Type	ID	Object Name	Description
			Commerce tab)
Page	30	Item Card	C/AL code added (see chapter ' <a href="#">Code changes</a> ' for details)
Page	41	Sales Quote	New action 'Quote -> Sana Commerce' added
Page	41	Sales Quote	C/AL code added (see chapter ' <a href="#">Code changes</a> ' for details)
Page	42	Sales Order	New action 'Order -> Sana Commerce' added
Page	42	Sales Order	C/AL code added (see chapter ' <a href="#">Code changes</a> ' for details)
Page	130	Posted Sales Shipment	New action 'Shipment -> Sana Commerce'
Page	130	Posted Sales Shipment	C/AL code (see chapter ' <a href="#">Code changes</a> ' for details)
Page	132	Posted Sales Invoice	New action 'Invoice -> Sana Commerce' added
Page	132	Posted Sales Invoice	C/AL code (see chapter ' <a href="#">Code changes</a> ' for details)
Page	386	Extended Text	Control 'Visible in Webshop' added (Sales tab)
Page	386	Extended Text	C/AL code (see chapter ' <a href="#">Code changes</a> ' for details)
Page	5401	Item Variants	Control 'Visible in Webshop' added
Page	5401	Item Variants	C/AL code added (see chapter ' <a href="#">Code changes</a> ' for details)
Page	5716	Item Substitution Entry	Control 'Relation Type' added
Page	5716	Item Substitution Entry	Control 'Sort No.' added
Page	5716	Item Substitution Entry	C/AL code added (see chapter ' <a href="#">Code changes</a> ' for details)
Page	5730	Item Categories	Control 'Visible in Webshop' added
Page	5730	Item Categories	Control 'Sort No.' added
Page	5730	Item Categories	New action 'Translations' added
Page	5730	Item Categories	C/AL code added (see chapter ' <a href="#">Code changes</a> ' for details)
Page	5731	Product Groups	Control 'Visible in Webshop' added
Page	5731	Product Groups	Control 'Sort No.' added
Page	5731	Product Groups	New action 'Translations' added
Page	5731	Product Groups	C/AL code added (see chapter ' <a href="#">Code changes</a> ' for details)
Codeunit	1	Application Management	C/AL code added (see chapter ' <a href="#">Code changes</a> ' for details)
Codeunit	60	Sales-Calc. Discount	C/AL code added (see chapter ' <a href="#">Code changes</a> ' for details)
Codeunit	80	Sales-Post	C/AL code added (see chapter ' <a href="#">Code changes</a> ' for details)
Codeunit	86	Sales-Quote to Order	C/AL code added (see chapter ' <a href="#">Code changes</a> ' for details)

## Added Objects Overview

These objects will be added by Sana Commerce. Note that the changes described below are included in the 'SC\_objects.fob' & 'SC\_objects.txt' files.

Object Type	ID	Description
Table	11123305	SC - Setup
Table	11123306	SC - Translation
Table	11123308	SC - Catalog Filter
Table	11123310	SC - Parameters Collection
Table	11123312	SC - Role Center Cue
Table	11123313	SC - Webshop
Table	11123314	SC - Order Import Info.
Table	11123315	SC - Manual Process Requests
Table	11123316	SC - Process Requests Setup
Table	11123317	SC - Product Info.
Table	11123318	SC - Variant Info.
Table	11123319	SC - Product Variant Price
Table	11123320	SC - Data Validation Header
Table	11123321	SC - Data Validation Line
Table	11123322	SC - Lookup Value
Table	11123323	SC - Sales Document Header
Table	11123324	SC - Sales Header Blob
Table	11123325	SC - Sales Document Line
Table	11123326	SC - Customer Assortment
Page	11123304	SC - Setup
Page	11123307	SC - Translations
Page	11123309	SC - Catalog Filters
Page	11123310	SC - Sales Document Fields
Page	11123312	SC - Webshops
Page	11123313	SC - Webshop Card
Page	11123314	SC - Manual Process Requests
Page	11123315	SC - Process Requests Setup
Page	11123316	SC - Webshop Catalog Overview
Page	11123317	SC - Variants Info.
Page	11123318	SC - Table List
Page	11123319	SC - Field List
Page	11123320	SC - Data Validation Rule
Page	11123321	SC - Data Valid. Rule Subform
Page	11123322	SC - Manager Role Center
Page	11123323	SC - Administrator Activities
Page	11123324	SC - Administrator Role Center
Page	11123325	SC - Lookup Values
Page	11123326	SC - Data Validation Rule List
Page	11123327	SC - Customer Assortment
Report	11123302	SC - Updating Visibility



Object Type	ID	Description
Codeunit	11123303	SC - NAV Web Service
Codeunit	11123305	SC - Execution Context
Codeunit	11123306	SC - Request Dispatcher
Codeunit	11123308	SC - XML/System Functions
Codeunit	11123309	SC - Common Functions
Codeunit	11123310	SC - Validation
Codeunit	11123311	SC - Settings Functions
Codeunit	11123313	SC - Customer Functions
Codeunit	11123314	SC - Customer Helper
Codeunit	11123317	SC - Product Functions
Codeunit	11123318	SC - Catalog Helper
Codeunit	11123319	SC - Orders Functions
Codeunit	11123320	SC - Order/Basket Functions
Codeunit	11123321	SC - Custom Filter
Codeunit	11123322	SC - Log
Codeunit	11123323	SC - Cache Management
Codeunit	11123324	SC - Change Management
Codeunit	11123325	SC - Calculation Management
Codeunit	11123326	SC - Record Management
Codeunit	11123399	SC - Uninstall
XMLPort	11123302	SC - Import/Export Roles
Menu	1052	Dept - Sana Commerce
MenuItem	-	ObjectType=Page, ObjectId=SC - Setup, CaptionML=ENU=Setup, Department=Administration
MenuItem	-	ObjectType=Page, ObjectId=SC - Webshops, CaptionML=ENU=Webshops, Department=Lists
MenuItem	-	ObjectType=Page, ObjectId=SC - Data Validation Rule List, ENU=Data Validation Rules, Department=Lists
MenuItem	-	ObjectType=Page, ObjectId=SC - Webshop Catalog Overview, ENU=Webshop Catalog Overview, Department=Tasks
MenuItem	-	ObjectType=Page, ObjectId=SC - Customer Assortment, ENU=Customer Assortment, Department=Tasks
MenuItem	-	ObjectType=Page, ObjectId= SC - Manual Process Requests, CaptionML= ENU=Manual Process Requests, Department=Administration

## Code Changes on Standard Objects

In this chapter an overview of the code changes made to the standard Microsoft Dynamics NAV objects that have been changed by Sana Commerce is given. Note, that these changes are also included in the Sana Commerce .fob and .txt files, therefore these changes only have to be done manually, when other third party components (customizations) are installed in the same objects. The Documentation Triggers of each standard changed object are updated with short description about the changes.

Table 13 – Salesperson/Purchaser

### *OnInsert* trigger changed

Variables			
Name	Data Type	Subtype	Description
AppMgt	Codeunit	ApplicationManagement	

**Code**

```

VALIDATE(Code);
DimMgt.UpdateDefaultDim(
  DATABASE::"Salesperson/Purchaser",Code,
  "Global Dimension 1 Code","Global Dimension 2 Code");

// START,SC
// + NAV Hotfix 8.2.0.1 Q1
IF AppMgt.SanaCommerceEnabled THEN
  "Last Date/Time Modified" := CURRENTDATETIME;
// - NAV Hotfix 8.2.0.1 Q1
// END,SC
  
```

### *OnModify* trigger changed

Variables			
Name	Data Type	Subtype	Description
AppMgt	Codeunit	ApplicationManagement	

**Code**

```

VALIDATE(Code);

// START,SC
// + NAV Hotfix 8.2.0.1 Q1
IF AppMgt.SanaCommerceEnabled THEN
  "Last Date/Time Modified" := CURRENTDATETIME;
// - NAV Hotfix 8.2.0.1 Q1
// END,SC
  
```

### *OnRename* trigger changed

Variables			
Name	Data Type	Subtype	Description
AppMgt	Codeunit	ApplicationManagement	

**Code**

```

// START,SC
// + NAV Hotfix 8.2.0.1 Q1
IF AppMgt.SanaCommerceEnabled THEN
  "Last Date/Time Modified" := CURRENTDATETIME;
// - NAV Hotfix 8.2.0.1 Q1
// END,SC
  
```

## Table 18 – Customer

### New *DeleteCustomerAssortment* procedure added

Variables			
Name	DataType	Subtype	Description
CustAssort	Record	SC - Customer Assortment	

**Code**

```
CustAssort.SETRANGE("Sales Type",CustAssort."Sales Type"::Customer);
CustAssort.SETRANGE("Sales Code","No.");
IF NOT CustAssort.ISEMPY THEN
    CustAssort.DELETEALL(TRUE);
```

### *OnInsert* trigger changed

Variables			
Name	DataType	Subtype	Description
AppMgt	Codeunit	ApplicationManagement	

**Code**

```
...
DimMgt.UpdateDefaultDim(
    DATABASE::Customer,"No.",
    "Global Dimension 1 Code","Global Dimension 2 Code");

// START,SC
// + NAV Hotfix 8.2.0.1 Q1
IF AppMgt.SanaCommerceEnabled THEN
    "Last Date/Time Modified" := CURRENTDATETIME;
// - NAV Hotfix 8.2.0.1 Q1
// END,SC
```

### *OnModify* trigger changed

Variables			
Name	DataType	Subtype	Description
AppMgt	Codeunit	ApplicationManagement	

**Code**

```
"Last Date Modified" := TODAY;

// START,SC
// + NAV Hotfix 8.2.0.1 Q1
IF AppMgt.SanaCommerceEnabled THEN
    "Last Date/Time Modified" := CURRENTDATETIME;
// - NAV Hotfix 8.2.0.1 Q1
// END,SC
...
```

### *OnDelete* trigger changed

Code			
<pre>... UpdateContFromCust.OnDelete(Rec);  DimMgt.DeleteDefaultDim(DATABASE::Customer,"No.");  // START,SC DeleteCustomerAssortment; // END,SC</pre>			

**OnRename trigger changed**

Variables			
Name	DataType	Subtype	Description
AppMgt	Codeunit	ApplicationManagement	

**Code**

```
"Last Date Modified" := TODAY;

// START,SC
// + NAV Hotfix 8.2.0.1 Q1
IF AppMgt.SanaCommerceEnabled THEN
    "Last Date/Time Modified" := CURRENTDATETIME;
// - NAV Hotfix 8.2.0.1 Q1
// END,SC
```

**Table 27 – Item**

**New text constant(s) added**

Name	ConstValue
Text11123302	You have changed the %1 field value of the %2 %3.\Do you want to update visibility of its variants?

**New UpdateSCLastDateModified procedure added**

Variables			
Name	DataType	Subtype	Description
AppMgt	Codeunit	ApplicationManagement	

**Code**

```
IF AppMgt.SanaCommerceEnabled THEN BEGIN
    "Last Date/Time Modified" := CURRENTDATETIME;
    MODIFY;
END;
```

**New UpdateVariantsVisibility procedure added**

Variables			
Name	DataType	Subtype	Description
ItemVariant2	Record	Item Variant	
VariantInfo	Record	SC - Variant Info.	
ExecContext	Codeunit	SC - Execution Context	
Confirmed	Boolean		

**Code**

```
ItemVariant2.SETRANGE("Item No.", "No.");
IF NOT ItemVariant2.ISEMPY THEN BEGIN
    IF GUIALLOWED THEN
        Confirmed := CONFIRM(STRSUBSTNO(Text11123302, FIELDCAPION("Visible in
Webshop"), TABLECAPION, "No."), TRUE);
    IF Confirmed THEN BEGIN
        VariantInfo.SETRANGE("Item No.", "No.");
        IF NOT VariantInfo.ISEMPY THEN
            VariantInfo.DELETEALL(TRUE);

        ExecContext.SetSkipRefreshVariantInfo(TRUE);
        ItemVariant2.MODIFYALL("Visible in Webshop", "Visible in Webshop");
        ExecContext.SetSkipRefreshVariantInfo(FALSE);
    END;
END;
```

### New *UpdateSCLastDateModified* procedure added

Variables			
Name	DataType	Subtype	Description
CustSpecAssort	Record	SC - Customer Assortment	

**Code**

```
CustSpecAssort.SETRANGE(Type,CustSpecAssort.Type::Item);
CustSpecAssort.SETRANGE(Code,"No.");
IF NOT CustSpecAssort.ISEMPY THEN
    CustSpecAssort.DELETEALL(TRUE);
```

### New *Visible in Webshop - OnValidate* trigger added

**Code**

```
// START,SC
IF "Visible in Webshop" <> xRec."Visible in Webshop" THEN
    UpdateVariantsVisibility;
// END,SC
```

### OnModify trigger changed

Variables (added/changed/deleted)			
Name	DataType	Subtype	Description
AppMgt	Codeunit	ApplicationManagement	added

**Code**

```
"Last Date Modified" := TODAY;

PlanningAssignment.ItemChange(Rec,xRec);

// START,SC
IF AppMgt.SanaCommerceEnabled THEN
    "Last Date/Time Modified" := CURRENTDATETIME;
// END,SC
```

### OnDelete trigger changed

**Code**

```
...
ItemCrossReference.SETRANGE("Item No.,"No.");
ItemCrossReference.DELETEALL;

// START,SC
DeleteCustSpecAssortment;
// END,SC
```

## Table 30 - Item Translation

### OnInsert trigger changed

Variables (added/changed/deleted)			
Name	DataType	Subtype	Description
Item	Record	Item	added
AppMgt	Codeunit	ApplicationManagement	added

**Code**

```
// START,SC
IF AppMgt.SanaCommerceEnabled THEN
    IF Item.GET("Item No.") THEN
        Item.UpdateSCLastDateModified;
// END,SC
```

### OnModify trigger changed

Variables (added/changed/deleted)			
Name	DataType	Subtype	Description
Item	Record	Item	added
AppMgt	Codeunit	ApplicationManagement	added

**Code**

```
// START,SC
IF AppMgt.SanaCommerceEnabled THEN
  IF Item.GET("Item No.") THEN
    Item.UpdateSCLastDateModified;
// END,SC
```

### OnDelete trigger changed

Variables (added/changed/deleted)			
Name	DataType	Subtype	Description
Item	Record	Item	added
AppMgt	Codeunit	ApplicationManagement	added

**Code**

```
// START,SC
IF AppMgt.SanaCommerceEnabled THEN
  IF Item.GET("Item No.") THEN
    Item.UpdateSCLastDateModified;
// END,SC
```

## Table 36 - Sales Header

### New *SanaDeleteRelatedData* procedure added

Parameters				
Var	Name	DataType	Subtype	Description
	SalesHeader	Record	Sales Header	

Variables				
Name	DataType	Subtype	Description	
SalesDocHeader	Record	SC - Sales Document Header		
SalesHeaderBlob	Record	SC - Sales Header Blob		

**Code**

```
IF SalesDocHeader.GET(SalesHeader."No.",SalesHeader."Document Type") THEN
  SalesDocHeader.DELETE(TRUE);

IF SalesHeaderBlob.GET(SalesHeader."Document Type",SalesHeader."No.") THEN
  SalesHeaderBlob.DELETE(TRUE);
```

### New *SanaRenameRelatedData* procedure added

Parameters				
Var	Name	DataType	Subtype	Description
	OldSalesHeader	Record	Sales Header	
	NewSalesHeader	Record	Sales Header	

Variables				
Name	DataType	Subtype	Description	
SalesDocHeader	Record	SC - Sales Document Header		
SalesHeaderBlob	Record	SC - Sales Header Blob		

**Code**

```
IF SalesDocHeader.GET(OldSalesHeader."No.",OldSalesHeader."Document Type") THEN
  SalesDocHeader.RENAME(NewSalesHeader."No.",NewSalesHeader."Document Type");

IF SalesHeaderBlob.GET(OldSalesHeader."Document Type",OldSalesHeader."No.") THEN
  SalesHeaderBlob.RENAME(NewSalesHeader."Document Type",NewSalesHeader."No.");
```

## OnDelete trigger changed

### Code

```

...
IF SalesCrMemoHeaderPrepmt."No." <> '' THEN
  IF CONFIRM(
    Text054,TRUE,
    SalesCrMemoHeaderPrepmt."No.")
  THEN BEGIN
    SalesCrMemoHeaderPrepmt.SETRECFILTER;
    SalesCrMemoHeaderPrepmt.PrintRecords(TRUE);
  END;
END;

// START,SC
SanaDeleteRelatedData(Rec);
// END,SC

```

## Table 37 - Sales Line

### New global variable(s) added

Name	Data Type	Subtype	Description
DoNotUpdateUnitPrice	Boolean		
DoNotCheckItemAvailability	Boolean		

### New *SetDoNotUpdateUnitPrice* procedure added

#### Parameters

Var	Name	Data Type	Subtype	Description
	UpdateUnitPrice	Boolean		

#### Code

```
DoNotUpdateUnitPrice := UpdateUnitPrice;
```

### New *SetDoNotCheckItemAvailability* procedure added

#### Parameters

Var	Name	Data Type	Subtype	Description
	CheckItemAvailability	Boolean		

#### Code

```
DoNotCheckItemAvailability := CheckItemAvailability;
```

### New *SanaDeleteRelatedData* procedure added

#### Parameters

Var	Name	Data Type	Subtype	Description
	SalesLine	Record	Sales Line	

#### Variables

Name	Data Type	Subtype	Description
SalesDocLine	Record	SC - Sales Document Line	

#### Code

```
IF SalesDocLine.GET(SalesLine."Document No.",SalesLine."Document Type",SalesLine."Line No.") THEN
  SalesDocLine.DELETE(TRUE);
```

### New *SanaRenameRelatedData* procedure added

#### Parameters

Var	Name	DataType	Subtype	Description
	OldSalesLine	Record	Sales Line	
	NewSalesLine	Record	Sales Line	

#### Variables

Name	DataType	Subtype	Description
SalesDocLine	Record	SC - Sales Document Line	

#### Code

```
IF SalesDocLine.GET(OldSalesLine."Document No.",OldSalesLine."Document Type",OldSalesLine."Line No.") THEN  
SalesDocLine.RENAME(NewSalesLine."Document No.",NewSalesLine."Document Type",NewSalesLine."Line No.");
```

### *UpdateUnitPrice* procedure changed

#### Code

```
// START,SC  
IF DoNotUpdateUnitPrice THEN  
EXIT;  
// END,SC  
  
IF (CalledByFieldNo <> CurrFieldNo) AND (CurrFieldNo <> 0) THEN  
EXIT;  
...
```

### *CheckItemAvailable* procedure changed

#### Code

```
IF "Shipment Date" = 0D THEN BEGIN  
GetSalesHeader;  
IF SalesHeader."Shipment Date" <> 0D THEN  
VALIDATE("Shipment Date",SalesHeader."Shipment Date")  
ELSE  
VALIDATE("Shipment Date",WORKDATE);  
END;  
  
// START,SC  
IF DoNotCheckItemAvailability THEN  
EXIT;  
// END,SC  
...
```

### OnDelete trigger changed

#### Code

```
...  
SalesCommentLine.SETRANGE("Document Type","Document Type");  
SalesCommentLine.SETRANGE("No.,"Document No.");  
SalesCommentLine.SETRANGE("Document Line No.,"Line No.");  
IF NOT SalesCommentLine.ISEMPY THEN  
SalesCommentLine.DELETEALL;  
  
// START,SC  
SanaDeleteRelatedData(Rec);  
// END,SC
```



## Table 279 - Extended Text Header

### New *UpdateItemDate* procedure added

Variables			
Name	Data Type	Subtype	Description
AppMgt	Codeunit	ApplicationManagement	
Item	Record	Item	

**Code**

```
IF AppMgt.SanaCommerceEnabled AND ("Table Name" = "Table Name"::Item) THEN
  IF Item.GET("No.") THEN
    Item.UpdateSCLastDateModified;
```

### *OnInsert* trigger changed

**Code**

```
...
IF "Table Name" = "Table Name"::Resource THEN BEGIN
  "Purchase Quote" := FALSE;
  "Purchase Invoice" := FALSE;
  "Purchase Blanket Order" := FALSE;
  "Purchase Order" := FALSE;
  "Purchase Credit Memo" := FALSE;
END;

UpdateItemDate; // SC
```

### *OnModify* trigger changed

**Code**

```
UpdateItemDate; // SC
```

### *OnDelete* trigger changed

**Code**

```
ExtTextLine.SETRANGE("Table Name","Table Name");
ExtTextLine.SETRANGE("No.,"No.");
ExtTextLine.SETRANGE("Language Code","Language Code");
ExtTextLine.SETRANGE("Text No.,"Text No.");
ExtTextLine.DELETEALL(TRUE);

UpdateItemDate; // SC
```

## Table 280 - Extended Text Line

### New *UpdateItemDate* procedure added

Variables			
Name	Data Type	Subtype	Description
AppMgt	Codeunit	ApplicationManagement	
Item	Record	Item	

**Code**

```
IF AppMgt.SanaCommerceEnabled AND ("Table Name" = "Table Name"::Item) THEN
  IF Item.GET("No.") THEN
    Item.UpdateSCLastDateModified;
```

### *OnInsert* trigger changed

**Code**

```
ExtendedTextHeader.GET("Table Name","No.,"Language Code","Text No.");

UpdateItemDate; // SC
```

### *OnModify* trigger changed

**Code**

```
UpdateItemDate; // SC
```

*OnDelete* trigger changed

```
Code
UpdateItemDate; // SC
```

*OnRename* trigger changed

```
Code
UpdateItemDate; // SC
```

Table 5050 – Contact

*OnInsert* trigger changed

```
Variables
Name      DataType      Subtype              Description
AppMgt    Codeunit        ApplicationManagement
Code
"Last Date Modified" := TODAY;
"Last Time Modified" := TIME;

// START,SC
// + NAV Hotfix 8.2.0.1 Q1
IF AppMgt.SanaCommerceEnabled THEN
    "Last Date/Time Modified" := CURRENTDATETIME;
// - NAV Hotfix 8.2.0.1 Q1
// END,SC
```

*OnModify* trigger changed

```
Variables
Name      DataType      Subtype              Description
AppMgt    Codeunit        ApplicationManagement
Code
OnModify(xRec);

// START,SC
// + NAV Hotfix 8.2.0.1 Q1
IF AppMgt.SanaCommerceEnabled THEN
    "Last Date/Time Modified" := CURRENTDATETIME;
// - NAV Hotfix 8.2.0.1 Q1
// END,SC
```

*OnRename* trigger changed

```
Code
VALIDATE("Lookup Contact No.");

// START,SC
// + NAV Hotfix 8.2.0.1 Q1
IF AppMgt.SanaCommerceEnabled THEN
    "Last Date/Time Modified" := CURRENTDATETIME;
// - NAV Hotfix 8.2.0.1 Q1
// END,SC
```

## Table 5715 - Item Substitution

### *OnInsert* trigger changed

Variables (added/changed/deleted)			
Name	DataType	Subtype	Description
AppMgt	Codeunit	ApplicationManagement	added

**Code**

```
// START,SC
IF AppMgt.SanaCommerceEnabled THEN
  IF Type = Type::Item THEN
    IF Item.GET("No.") THEN
      Item.UpdateSCLastDateModified;
    END;
  END;
// END,SC
```

### *OnModify* trigger changed

Variables (added/changed/deleted)			
Name	DataType	Subtype	Description
AppMgt	Codeunit	ApplicationManagement	added

**Code**

```
// START,SC
IF AppMgt.SanaCommerceEnabled THEN
  IF Type = Type::Item THEN
    IF Item.GET("No.") THEN
      Item.UpdateSCLastDateModified;
    END;
  END;
// END,SC
```

### *onDelete* trigger changed

Variables (added/changed/deleted)			
Name	DataType	Subtype	Description
AppMgt	Codeunit	ApplicationManagement	added

**Code**

```
IF Interchangeable THEN
  IF CONFIRM(Text001 + Text002) THEN
    DeleteInterchangeableItem(Type,"No.", "Variant Code", "Substitute Type", "Substitute No.", "Substitute Variant Code")
  ELSE
    IF ItemSubstitution.GET(
      "Substitute Type",
      "Substitute No.",
      "Substitute Variant Code",
      Type,
      "No.",
      "Variant Code")
    THEN BEGIN
      ItemSubstitution.Interchangeable := FALSE;

      // START,SC
      // ItemSub.MODIFY; Original code is commented
      ItemSubstitution.MODIFY(AppMgt.SanaCommerceEnabled);
      // END,SC
    END;
  END;
IF Condition THEN BEGIN
  SubCondition.SETRANGE(Type,Type);
  SubCondition.SETRANGE("No.", "No.");
  SubCondition.SETRANGE("Variant Code", "Variant Code");
  SubCondition.SETRANGE("Substitute Type", "Substitute Type");
  SubCondition.SETRANGE("Substitute No.", "Substitute No.");
  SubCondition.SETRANGE("Substitute Variant Code", "Substitute Variant Code");
  SubCondition.DELETEALL;
END;
// START,SC
IF AppMgt.SanaCommerceEnabled THEN
  IF Type = Type::Item THEN
    IF Item.GET("No.") THEN
      Item.UpdateSCLastDateModified;
    END;
  END;
// END,SC
```

**CreateInterchangeableItem procedure changed**

Variables (added/changed/deleted)			
Name	DataType	Subtype	Description
AppMgt	Codeunit	ApplicationManagement	added

**Code**

```

...
IF ItemSubstitution.FIND THEN
  // START,SC
  // ItemSubstitution.MODIFY Original code is commented
  ItemSubstitution.MODIFY(AppMgt.SanaCommerceEnabled)
  // END,SC
ELSE
  // START,SC
  // ItemSubstitution.INSERT; Original code is commented
  ItemSubstitution.INSERT(AppMgt.SanaCommerceEnabled);
  // END,SC

```

**DeleteInterchangeableItem procedure changed**

Variables (added/changed/deleted)			
Name	DataType	Subtype	Description
Item	Record	Item	added
AppMgt	Codeunit	ApplicationManagement	added

**Code**

```

...
IF ItemSubstitution.FIND THEN BEGIN
  ItemSubstitution.CALCFIELDS(Condition);
  IF ItemSubstitution.Condition THEN BEGIN
    SubCondition.SETRANGE(Type,XType);
    SubCondition.SETRANGE("No.",XNo);
    SubCondition.SETRANGE("Variant Code",XVariantCode);
    SubCondition.SETRANGE("Substitute Type",XSubstType);
    SubCondition.SETRANGE("Substitute No.",XSubstNo);
    SubCondition.SETRANGE("Substitute Variant Code",XSubstVariantCode);
    SubCondition.DELETEALL;
  END;
  ItemSubstitution.DELETE;
  Interchangeable := FALSE;

  // START,SC
  IF AppMgt.SanaCommerceEnabled THEN
    IF Item.GET(XSubstNo) THEN
      Item.UpdateSCLastDateModified;
  // END,SC
END;

```

**Table 5722 - Item Category**

**New text constant(s) added**

Name	ConstValue
Text11123302	You cannot delete %1 because there are one or more items that include this item category.

**New DeleteCustSpecAssortment procedure added**

Variables			
Name	DataType	Subtype	Description
CustSpecAssort	Record	SC - Customer Assortment	

**Code**

```

CustSpecAssort.SETRANGE(Type,CustSpecAssort.Type::"Item Category");
CustSpecAssort.SETRANGE(Code,Code);
IF NOT CustSpecAssort.ISEMPY THEN
  CustSpecAssort.DELETEALL(TRUE);

```

### OnDelete trigger changed

Variables (added/changed/deleted)			
Name	DataType	Subtype	Description
Item	Record	Item	added
AppMgt	Codeunit	ApplicationManagement	added
SanaCommerceEnabled	Boolean		added

**Code**

```
ProductGroup.SETRANGE("Item Category Code",Code);  
// START,SC  
// ProductGroup.DELETEALL; Original code is commented  
SanaCommerceEnabled := AppMgt.SanaCommerceEnabled;  
ProductGroup.DELETEALL(SanaCommerceEnabled);  
// END,SC  
  
// START,SC  
IF SanaCommerceEnabled THEN BEGIN  
    Item.RESET;  
    Item.SETRANGE("Item Category Code",Code);  
    IF NOT Item.ISEMPY THEN  
        ERROR(Text11123302,Code);  
END;  
// END,SC
```

### OnRename trigger changed

Variables (added/changed/deleted)			
Name	DataType	Subtype	Description
Item	Record	Item	added
AppMgt	Codeunit	ApplicationManagement	added

**Code**

```
// START,SC  
IF AppMgt.SanaCommerceEnabled THEN BEGIN  
    Item.RESET;  
    Item.SETRANGE("Item Category Code",xRec.Code);  
    IF Item.FINDSET THEN  
        REPEAT  
            Item.UpdateSCLastDateModified;  
        UNTIL Item.NEXT = 0;  
END;  
// END,SC
```

## Table 5723 - Product Group

### New text constant(s) added

Name	ConstValue
Text11123302	You cannot delete %1 because there are one or more items that include this product group.

### New DeleteCustSpecAssortment procedure added

Variables			
Name	DataType	Subtype	Description
CustSpecAssort	Record	SC - Customer Assortment	

**Code**

```
CustSpecAssort.SETRANGE(Type,CustSpecAssort.Type::"Product Group");  
CustSpecAssort.SETRANGE(Code,Code);  
CustSpecAssort.SETRANGE("Item Category Code (Internal)","Item Category Code");  
IF NOT CustSpecAssort.ISEMPY THEN  
    CustSpecAssort.DELETEALL(TRUE);
```

### OnDelete trigger changed

Variables (added/changed/deleted)			
Name	DataType	Subtype	Description
Item	Record	Item	added
AppMgt	Codeunit	ApplicationManagement	added

**Code**

```
// START,SC
IF Code <> '' THEN BEGIN
    IF AppMgt.SanaCommerceEnabled THEN BEGIN
        Item.RESET;
        Item.SETRANGE("Item Category Code","Item Category Code");
        Item.SETRANGE("Product Group Code",Code);
        IF NOT Item.ISEMPY THEN
            ERROR(Text11123302,Code);
    END;
END;
// END,SC
```

### OnRename trigger changed

Variables (added/changed/deleted)			
Name	DataType	Subtype	Description
Item	Record	Item	added
AppMgt	Codeunit	ApplicationManagement	added

**Code**

```
// START,SC
IF AppMgt.SanaCommerceEnabled THEN BEGIN
    Item.RESET;
    Item.SETRANGE("Item Category Code","Item Category Code");
    Item.SETRANGE("Product Group Code",xRec.Code);
    IF Item.FINDSET(TRUE,FALSE) THEN
        REPEAT
            Item.UpdateSCLastDateModified;
        UNTIL Item.NEXT = 0;
END;
// END,SC
```

## Table 7002 - Sales Price

### OnInsert trigger changed

Variables (added/changed/deleted)			
Name	DataType	Subtype	Description
AppMgt	Codeunit	ApplicationManagement	added

**Code**

```
IF "Sales Type" = "Sales Type"::"All Customers" THEN
    "Sales Code" := ''
ELSE
    TESTFIELD("Sales Code");
TESTFIELD("Item No.");

// START,SC
IF AppMgt.SanaCommerceEnabled THEN
    IF Item.GET("Item No.") THEN
        Item.UpdateSCLastDateModified;
// END,SC
```

### OnModifytrigger changed

Variables (added/changed/deleted)			
Name	DataType	Subtype	Description
AppMgt	Codeunit	ApplicationManagement	added

**Code**

```
// START,SC
IF AppMgt.SanaCommerceEnabled THEN
  IF Item.GET("Item No.") THEN
    Item.UpdateSCLastDateModified;
// END,SC
```

### OnDelete trigger changed

Variables (added/changed/deleted)			
Name	DataType	Subtype	Description
AppMgt	Codeunit	ApplicationManagement	added

**Code**

```
// START,SC
IF AppMgt.SanaCommerceEnabled THEN
  IF Item.GET("Item No.") THEN
    Item.UpdateSCLastDateModified;
// END,SC
```

### OnRename trigger changed

Variables (added/changed/deleted)			
Name	DataType	Subtype	Description
AppMgt	Codeunit	ApplicationManagement	Added

**Code**

```
IF "Sales Type" <> "Sales Type"::"All Customers" THEN
  TESTFIELD("Sales Code");
TESTFIELD("Item No.");

// START,SC
IF AppMgt.SanaCommerceEnabled THEN
  IF Item.GET("Item No.") THEN
    Item.UpdateSCLastDateModified;
// END,SC
```

## Page 10 - Countries/Regions

### New global variable(s) added

Name	DataType	Subtype	Description
SanaCommerceEnabled	Boolean		IncludeInDataset=Yes

### New ActivateSanaCommerceControls procedure added

Variables			
Name	DataType	Subtype	Description
AppMgt	Codeunit	ApplicationManagement	

**Code**

```
SanaCommerceEnabled := AppMgt.SanaCommerceEnabled;
```

### OnOpenPage trigger changed

**Code**

```
// START,SC
ActivateSanaCommerceControls;
// END,SC
```

## Page 30 - Item Card

### New global variable(s) added

Name	DataType	Subtype	Description
SanaCommerceEnabled	Boolean		IncludeInDataset=Yes

### New *ActivateSanaCommerceControls* procedure added

Variables			
Name	DataType	Subtype	Description
AppMgt	Codeunit	ApplicationManagement	

Code
SanaCommerceEnabled := AppMgt.SanaCommerceEnabled;

### New *ActivateSanaCommerceControls* procedure added

Variables			
Name	DataType	Subtype	Description
ProductInfo	Record	SC - Product Info.	

Code
<pre>CLEAR(ProductInfo); IF ProductInfo.GET("No.") THEN   IF ProductInfo."Last Date/Time Modified" &gt; "Last Date/Time Modified" THEN     "Last Date/Time Modified" := ProductInfo."Last Date/Time Modified";</pre>

### *OnOpenPage* trigger changed

Code
<pre>// START,SC ActivateSanaCommerceControls; // END,SC</pre>

## Page 41 - Sales Quote

### New global variable(s) added

Name	DataType	Subtype	Description
SanaCommerceEnabled	Boolean		IncludeInDataset=Yes

### New *ActivateSanaCommerceControls* procedure added

Variables			
Name	DataType	Subtype	Description
AppMgt	Codeunit	ApplicationManagement	

Code
SanaCommerceEnabled := AppMgt.SanaCommerceEnabled;

### New *Action11123303 - OnAction* trigger added

Variables			
Name	DataType	Subtype	Description
OrderFunc	Codeunit	SC - Orders Functions	

Code
<pre>// START,SC OrderFunc.OpenSalesDocHeaderForm36(Rec); // END,SC</pre>



### OnOpenPage trigger changed

Code
... ActivateFields;  // START,SC ActivateSanaCommerceControls; // END,SC

### Page 42 - Sales Order

#### New global variable(s) added

Name	DataType	Subtype	Description
SanaCommerceEnabled	Boolean		IncludeInDataset=Yes

#### New ActivateSanaCommerceControls procedure added

Variables			
Name	DataType	Subtype	Description
AppMgt	Codeunit	ApplicationManagement	

Code
SanaCommerceEnabled := AppMgt.SanaCommerceEnabled;

#### New Action11123303 - OnAction trigger added

Variables			
Name	DataType	Subtype	Description
OrderFunc	Codeunit	SC - Orders Functions	

Code
// START,SC OrderFunc.OpenSalesDocHeaderForm36(Rec); // END,SC

### OnOpenPage trigger changed

Code
... SETRANGE("Date Filter",0D,WORKDATE - 1);  // START,SC ActivateSanaCommerceControls; // END,SC

### Page 130 – Posted Sales Shipment

#### New global variable(s) added

Name	DataType	Subtype	Description
SanaCommerceEnabled	Boolean		IncludeInDataset=Yes

#### New ActivateSanaCommerceControls procedure added

Variables			
Name	DataType	Subtype	Description
AppMgt	Codeunit	ApplicationManagement	

Code
SanaCommerceEnabled := AppMgt.SanaCommerceEnabled;

### New Action11123303 - OnAction trigger added

Variables			
Name	DataType	Subtype	Description
OrderFunc	Codeunit	SC - Orders Functions	

**Code**

```
// START,SC  
OrderFunc.OpenSalesDocHeaderForm110(Rec);  
// END,SC
```

### OnOpenPage trigger changed

**Code**

```
SetSecurityFilterOnRespCenter;  
  
// START,SC  
ActivateSanaCommerceControls;  
// END,SC
```

## Page 132 – Posted Sales Invoice

### New global variable(s) added

Name	DataType	Subtype	Description
SanaCommerceEnabled	Boolean		IncludeInDataset=Yes

### New ActivateSanaCommerceControls procedure added

Variables			
Name	DataType	Subtype	Description
AppMgt	Codeunit	ApplicationManagement	

**Code**

```
SanaCommerceEnabled := AppMgt.SanaCommerceEnabled;
```

### New Action11123303 - OnAction trigger added

Variables			
Name	DataType	Subtype	Description
OrderFunc	Codeunit	SC - Orders Functions	

**Code**

```
// START,SC  
OrderFunc.OpenSalesDocHeaderForm112(Rec);  
// END,SC
```

### OnOpenPage trigger changed

**Code**

```
SetSecurityFilterOnRespCenter;  
  
// START,SC  
ActivateSanaCommerceControls;  
// END,SC
```

**New global variable(s) added**

Name	DataType	Subtype	Description
SanaCommerceEnabled	Boolean		IncludeInDataset=Yes

**New *ActivateSanaCommerceControls* procedure added**

Variables			
Name	DataType	Subtype	Description
AppMgt	Codeunit	ApplicationManagement	

Code
SanaCommerceEnabled := AppMgt.SanaCommerceEnabled;

***OnOpenPage* trigger changed**

Code
// START,SC ActivateSanaCommerceControls; // END,SC

**New global variable(s) added**

Name	DataType	Subtype	Description
SanaCommerceEnabled	Boolean		IncludeInDataset=Yes

**New *ActivateSanaCommerceControls* procedure added**

Variables			
Name	DataType	Subtype	Description
AppMgt	Codeunit	ApplicationManagement	

Code
SanaCommerceEnabled := AppMgt.SanaCommerceEnabled;

**New *UpdateItemDate* procedure added**

Variables			
Name	DataType	Subtype	Description
AppMgt	Codeunit	ApplicationManagement	
Item	Record	Item	

Code
IF AppMgt.SanaCommerceEnabled THEN IF Item.GET("Item No.") THEN Item.UpdateSCLastDateModified;

***OnInsertRecord* trigger changed**

Code
UpdateItemDate; // SC

***OnModifyRecord* trigger changed**

Code
UpdateItemDate; // SC

***OnDeleteRecord* trigger changed**

Code
UpdateItemDate; // SC

*OnOpenPage* trigger changed

```
Code
// START,SC
ActivateSanaCommerceControls;
// END,SC
```

Page 5716 - Item Substitution Entry

New global variable(s) added

Name	Data Type	Subtype	Description
SanaCommerceEnabled	Boolean		IncludeInDataset=Yes

New *ActivateSanaCommerceControls* procedure added

```
Variables
Name      DataType  Subtype          Description
AppMgt    Codeunit  ApplicationManagement
Code
SanaCommerceEnabled := AppMgt.SanaCommerceEnabled;
```

*OnOpenPage* trigger changed

```
Code
// START,SC
ActivateSanaCommerceControls;
// END,SC
```

Page 5730 - Item Categories

New global variable(s) added

Name	Data Type	Subtype	Description
SanaCommerceEnabled	Boolean		IncludeInDataset=Yes

New *ActivateSanaCommerceControls* procedure added

```
Variables
Name      DataType  Subtype          Description
AppMgt    Codeunit  ApplicationManagement
Code
SanaCommerceEnabled := AppMgt.SanaCommerceEnabled;
```

*OnOpenPage* trigger changed

```
Code
// START,SC
ActivateSanaCommerceControls;
// END,SC
```

**New global variable(s) added**

Name	DataType	Subtype	Description
SanaCommerceEnabled	Boolean		IncludeInDataset=Yes

**New *ActivateSanaCommerceControls* procedure added**

Variables			
Name	DataType	Subtype	Description
AppMgt	Codeunit	ApplicationManagement	

**Code**

```
SanaCommerceEnabled := AppMgt.SanaCommerceEnabled;
```

***OnOpenPage* trigger changed**

Code
<pre>// START,SC ActivateSanaCommerceControls; // END,SC</pre>

Codeunit 1 - Application management

**New *GetBoolFieldValueFromSanaSetup* procedure added**

Parameters				
Var	Name	DataType	Subtype	Description
	FieldNo	Integer		

Return Value		
Name	ReturnType	Length
	Boolean	

Variables			
Name	DataType	Subtype	Description
TableRef	RecordRef		
FieldReference	FieldRef		

**Code**

```
IF CheckTableExists(11123305) THEN BEGIN
    TableRef.OPEN(11123305);
    IF TableRef.FIND THEN BEGIN
        FieldReference := TableRef.FIELD(FieldNo);
        IF FieldReference.ACTIVE AND (FORMAT(FieldReference.TYPE) = 'Boolean') THEN
            EXIT(FieldReference.VALUE);
    END;
    TableRef.CLOSE;
END;
```

### New *CheckTableExists* procedure added

Parameters			
Var	Name	DataType	Description
	TableNo	Integer	

Return Value		
Name	ReturnType	Length
	Boolean	

Variables			
Name	DataType	Subtype	Description
ObjectRec	Record	Object	

Code
IF COMPANYNAME = '' THEN EXIT(FALSE);  ObjectRec.SETRANGE(Type,ObjectRec.Type::Table); ObjectRec.SETRANGE(ID,TableNo); EXIT(NOT ObjectRec.ISEMPY);

### New *SanaCommerceEnabled* procedure added

Return Value		
Name	ReturnType	Length
	Boolean	

Code
EXIT(GetBoolFieldValueFromSanaSetup(11123313));

### New *SQLServerIsUsed* procedure added

Return Value		
Name	ReturnType	Length
	Boolean	

Variables			
Name	DataType	Subtype	Description
GLSetup	Record	General Ledger Setup	

Code
EXIT(GLSetup.RECORDLEVELLOCKING);

### The *ApplicationVersion* procedure changed

Code
EXIT('W1 7.00, SC 8.2.0.1'); // SC

### The *GetDatabaseTableTriggerSetup* procedure changed

Variables (added/changed/deleted)			
Name	DataType	Subtype	Description
SanaCommerceChangeMgt	Codeunit	SC - Change Management	added
Result	Boolean		added

**Code**

```
// START,SC
//ChangeLogMgt.GetDatabaseTableTriggerSetup(TableId,OnDatabaseInsert,OnDatabaseModify,OnDatabaseDelete,OnDatabaseRename); //Original Code
//IntegrationManagement.GetDatabaseTableTriggerSetup(TableId,OnDatabaseInsert,OnDatabaseModify,OnDatabaseDelete,OnDatabaseRename); //Original Code

IF SanaCommerceEnabled AND SQLServerIsUsed THEN

SanaCommerceChangeMgt.GetDatabaseTableTriggerSetup(TableId,OnDatabaseInsert,OnDatabaseModify,OnDatabaseDelete,OnDatabaseRename);

Result := OnDatabaseInsert AND OnDatabaseModify AND OnDatabaseDelete AND OnDatabaseRename;
IF NOT Result THEN BEGIN

ChangeLogMgt.GetDatabaseTableTriggerSetup(TableId,OnDatabaseInsert,OnDatabaseModify,OnDatabaseDelete,OnDatabaseRename);

IntegrationManagement.GetDatabaseTableTriggerSetup(TableId,OnDatabaseInsert,OnDatabaseModify,OnDatabaseDelete,OnDatabaseRename);
END;
// END,SC
```

### The *OnDatabaseInsert* procedure changed

Variables (added/changed/deleted)			
Name	DataType	Subtype	Description
SanaCommerceChangeMgt	Codeunit	SC - Change Management	added

**Code**

```
// START,SC
// ChangeLogMgt.LogInsertion(RecRef); //Original code
// IntegrationManagement.OnDatabaseInsert(RecRef); //Original code

IF SanaCommerceChangeMgt.ChangeLogEnabled THEN
    ChangeLogMgt.LogInsertion(RecRef);

IF SanaCommerceChangeMgt.StandardIntegrationEnabled THEN
    IntegrationManagement.OnDatabaseInsert(RecRef);

SanaCommerceChangeMgt.OnInsertModifyDeleteRename(RecRef,1);
// END,SC
```

### The *OnDatabaseModify* procedure changed

Variables (added/changed/deleted)			
Name	DataType	Subtype	Description
SanaCommerceChangeMgt	Codeunit	SC - Change Management	added

**Code**

```
// START,SC
// ChangeLogMgt.LogInsertion(RecRef); //Original code
// IntegrationManagement.OnDatabaseModify(RecRef); //Original code

IF SanaCommerceChangeMgt.ChangeLogEnabled THEN
    ChangeLogMgt.LogModification(RecRef);

IF SanaCommerceChangeMgt.StandardIntegrationEnabled THEN
    IntegrationManagement.OnDatabaseModify(RecRef);

SanaCommerceChangeMgt.OnInsertModifyDeleteRename(RecRef,2);
// END,SC
```

### The *OnDatabaseDelete* procedure changed

#### Variables (added/changed/deleted)

Name	DataType	Subtype	Description
SanaCommerceChangeMgt	Codeunit	SC - Change Management	added

#### Code

```
// START,SC
// ChangeLogMgt.LogDeletion(RecRef); //Original code

// IntegrationManagement.OnDatabaseDelete(RecRef); //Original code

IF SanaCommerceChangeMgt.ChangeLogEnabled THEN
    ChangeLogMgt.LogDeletion(RecRef);

IF SanaCommerceChangeMgt.StandardIntegrationEnabled THEN
    IntegrationManagement.OnDatabaseDelete(RecRef);

SanaCommerceChangeMgt.OnInsertModifyDeleteRename(RecRef,3);
// END,SC
```

### The *OnDatabaseRename* procedure changed

#### Variables (added/changed/deleted)

Name	DataType	Subtype	Description
SanaCommerceChangeMgt	Codeunit	SC - Change Management	added

#### Code

```
// START,SC
// ChangeLogMgt.LogRename(RecRef,xRecRef); //Original code

// IntegrationManagement.OnDatabaseRename(RecRef,xRecRef); //Original code

IF SanaCommerceChangeMgt.ChangeLogEnabled THEN
    ChangeLogMgt.LogRename(RecRef,xRecRef);

IF SanaCommerceChangeMgt.StandardIntegrationEnabled THEN
    IntegrationManagement.OnDatabaseRename(RecRef,xRecRef);

// + NAV Hotfix 8.2.0.1 Q1
// + ORG
// SanaCommerceChangeMgt.OnInsertModifyDeleteRename(RecRef,4);
// - ORG
SanaCommerceChangeMgt.OnInsertModifyDeleteRename(xRecRef,4);
SanaCommerceChangeMgt.OnInsertModifyDeleteRename(RecRef,1);
// - NAV Hotfix 8.2.0.1 Q1
// END,SC
```



## Codeunit 60 - Sales-Calc. Discount

### The *CalculateInvoiceDiscount* procedure changed

#### Variables (added/changed/deleted)

Name	Data Type	Subtype	Description
SalesDocHeader	Record	SC - Sales Document Header	added
OrderFunc	Codeunit	SC - Orders Functions	added
InvDiscBaseAmount	Decimal		added
CalcInvoiceDiscount	Boolean		added
PromotionDiscountPercent	Decimal		added
SalesDocHeaderExists	Boolean		added

#### Code

```
...
// START,SC
CalcInvoiceDiscount := FALSE;
// END,SC
IF CustInvDiscRecExists(SalesHeader."Invoice Disc. Code") THEN BEGIN
    IF InvDiscBase <> ChargeBase THEN
        CustInvDisc.GetRec(
            SalesHeader."Invoice Disc. Code",SalesHeader."Currency Code",CurrencyDate,InvDiscBase);

    SalesHeader."Invoice Discount Calculation" := SalesHeader."Invoice Discount Calculation"::"%";
    SalesHeader."Invoice Discount Value" := CustInvDisc."Discount %";

// START,SC
    CalcInvoiceDiscount := TRUE;
END;

SalesDocHeaderExists := OrderFunc.FindSalesDocHeader36(SalesHeader,SalesDocHeader);

IF (((SalesDocHeader."Promotion Discount Type" <> SalesDocHeader."Promotion Discount Type"::" ") AND
(SalesDocHeader."Promotion Discount Value" > 0)) OR (SalesDocHeader."Promotion Discount Amount" > 0))
THEN BEGIN
    CalcInvoiceDiscount := TRUE;
    InvDiscBaseAmount := TempVATAmountLine.GetTotalInvDiscBaseAmount(FALSE,'');

    IF InvDiscBaseAmount = 0 THEN
        PromotionDiscountPercent := 0
    ELSE IF (SalesDocHeader."Promotion Discount Type" = SalesDocHeader."Promotion Discount Type"::"Fixed
Amount") THEN
        PromotionDiscountPercent := SalesDocHeader."Promotion Discount Value" / InvDiscBaseAmount * 100
    ELSE
        PromotionDiscountPercent := SalesDocHeader."Promotion Discount Value";

    IF (PromotionDiscountPercent + CustInvDisc."Discount %") > 100 THEN
        PromotionDiscountPercent := 100 - CustInvDisc."Discount %";
    IF SalesHeader."Currency Code" = '' THEN
        Currency.InitRoundingPrecision
    ELSE
        Currency.GET(SalesHeader."Currency Code");
    SalesDocHeader."Promotion Discount Amount" :=
        ROUND(PromotionDiscountPercent * InvDiscBaseAmount / 100,Currency."Amount Rounding Precision");
END;

IF CalcInvoiceDiscount THEN BEGIN

    IF SalesDocHeaderExists THEN
        SalesDocHeader.MODIFY(TRUE);
// END,SC

    IF NOT TemporaryHeader THEN
        SalesHeader.MODIFY;

    TempVATAmountLine.SetInvoiceDiscountPercent(
// START,SC
// CustInvDisc."Discount %",SalesHeader."Currency Code", // Original code is commented
CustInvDisc."Discount %" + PromotionDiscountPercent,SalesHeader."Currency Code",
// END,SC
SalesHeader."Prices Including VAT",SalesSetup."Calc. Inv. Disc. per VAT ID",
SalesHeader."VAT Base Discount %");
...

```

## Codeunit 80 - Sales-Post

### New *UpdateSanaOrderImportInfo* procedure added

Parameters				
Var	Name	Data Type	Subtype	Description
	DocumentType	Integer		
	DocumentNo	Code[20]		

  

Variables				
Name	Data Type	Subtype	Description	
AppMgt	Codeunit			
TableRef	RecordRef			
FieldRefDocumentType	FieldRef			
FieldRefOrderNo	FieldRef			
FieldRefModifiedDate	FieldRef			

  

Code				
<pre>IF AppMgt.SanaCommerceEnabled THEN   IF AppMgt.CheckTableExists(11123314) THEN BEGIN     TableRef.OPEN(11123314);     FieldRefDocumentType := TableRef.FIELD(11123302);     FieldRefOrderNo := TableRef.FIELD(11123303);     FieldRefDocumentType.SETRANGE(DocumentType);     FieldRefOrderNo.SETRANGE(DocumentNo);     IF TableRef.FINDFIRST THEN BEGIN       FieldRefModifiedDate := TableRef.FIELD(11123307);       FieldRefModifiedDate.VALUE(CURRENTDATETIME);       TableRef.MODIFY;     END;     TableRef.CLOSE;   END;</pre>				

### OnRun trigger changed

Code				
<pre>...   ServItemMgt.CopyReservationEntry(SalesHeader);    IF ("Document Type" = "Document Type"::Invoice) AND     (NOT SalesSetup."Shipment on Invoice")   THEN     ServItemMgt.CreateServItemOnSalesInvoice(SalesHeader);    // START,SC   UpdateSanaOrderImportInfo(SalesHeader."Document Type",SalesHeader."No.");   // END,SC ...</pre>				

## Codeunit 86 - Sales-Quote to Order

### OnRun trigger changed

#### Code

```
...
    IF SalesOrderLine.Reserve = SalesOrderLine.Reserve::Always THEN
        SalesOrderLine.AutoReserve;

    // START,SC
    SalesQuoteLine.SanaRenameRelatedData(SalesQuoteLine,SalesOrderLine);
    // END,SC

    UNTIL SalesQuoteLine.NEXT = 0;
...
...
MoveWonLostOpportunities(Rec,SalesOrderHeader);

// START,SC
SanaRenameRelatedData(Rec,SalesOrderHeader);
// END,SC

DELETELINKS;
DELETE;
ApprovalsManagement.DeleteApprovalEntry(DATABASE::"Sales Header","Document Type","No.");
...
```