

Deltek

# Deltek Maconomy® 2.4.4 CU 21

## Cumulative Update Release Notes

**April 29, 2021**

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## Overview

The Maconomy 2.4.4 Cumulative Update (CU) 21 release includes all the software issues resolved and enhancements that were made in this version, as well as software updates introduced in earlier CUs. The software changes from earlier CUs are listed in a separate section in these release notes.

### Custom Programs Affected

Sometimes an update can cause custom programs and reports to stop working as expected. Before applying this update, consider whether you have any custom programs or reports in the application areas affected by the update. If so, contact Deltek Customer Care at <http://support.deltek.com> before you install the update.

### Download the Cumulative Update

1. From Internet Explorer, go to <https://dsm.deltek.com>.
2. Click **Run Deltek Software Manager**.
3. Log in using your Deltek Customer Care Connect credentials.
4. In the left pane of the Deltek Software Manager, expand your Deltek product.
5. Expand the Cumulative Updates folder for your product, and select the update to download.
6. Click **Download** at the bottom of the screen.

### Check Whether or not the Cumulative Update Is Installed

To check that the update is installed, complete the following steps:

1. On the Maconomy toolbar, click **Help » About**.
2. On the About Deltek Maconomy dialog box, click the **Details** button.

### Known Issues

For Known Issues for this release stream, see the [Known Issues](#) section in this document.

## Technical Considerations

### Statutory Updates

Statutory updates require additional setup. For further information on Statutory installation and updates, see the following sections at the end of this document:

- [Appendix A: BPM Statutory Reports Upgrade](#)
- [Appendix B: Statutory Reports Setup](#)
- [Appendix C: Setup by Country](#)
- [Appendix F: Examples and Scenarios](#)

For information on NSAFT tax codes and reporting structures related to fixes in this stream, see the following sections:

- [Appendix D: Tax Codes](#)
- [Appendix E: Reporting Structures](#)

## More Information

If you have any questions, please contact Deltek Customer Care at <https://support.deltek.com>.

## Cumulative Update 21 – Apr. 29, 2021

### Release Summary

New in Cumulative Update 21		
New files released	Filesize	Checksum
apu.w2000.sp104u.zip	877254 KB	<b>MD5:</b> 5340540d93cf6a2c6f2ae2df2626f1c1
spu.20_0.ia_BPMStatutoryReporting244CU21.s p104.tgz	1281 KB	<b>MD5:</b> 25b6cdc16236a088bd929230dfae9214
Other current CU files*	Filesize	Checksum
tpu.LINUX.20_0.p104s.tgz	944886 KB	<b>MD5:</b> 6a25a58d2fdfe669dedb1035e558dd9f
tpu.NTx86.20_0.p104s.tgz	879883 KB	<b>MD5:</b> 52ddf78985f19c402324c3f76a7d577d
DeltekMaconomyWSCClient244GACU19.zip	745613 KB	<b>MD5:</b> 697d105e18d42f217206989881c85623
fpu.iAccess.2.3.10-final-567251.tgz	30690 KB	<b>MD5:</b> 3d7444953d74f373d2a2ec7801088ff7
rpu.20.sp104.cu020.0570749.s-std.zip	114129 KB	<b>MD5:</b> ce6274b6cef1b6ae723feb1021b7572c
rpu.20.sp104.cu020.0570749.s-cpa.zip	114617 KB	<b>MD5:</b> 51f09ae51a87f20142749b332f38abe4
spu.20_0.ia_UKTaxSubmission244CU20.sp104. tgz	189 KB	<b>MD5:</b> 2c0a945a451a973311d5ffeaa65310f8

\*These files were released as part of a previous update but still apply to the latest CU.

### Support Cases

The following resolved software issues are related to support cases:

- 1417546— Blocked and Closed Jobs Not Included in Unrealized Exchange Rate Calculation

## Software Enhancements – BPM

### NSAFT

#### Ability to Use Option List - Remarks 2 as Tax Code for NSAFT

**Deltek Tracking: 1437451**

NSAFT now has the capability to override the tax code using the remarks 2 field from the same option list for mapping standard tax code. This feature will override <TaxCode> under <TaxTable> and <TaxInformation>. Character limit of 9 is still enforced for the values from the remarks 2 field. If the Tax

Code is neither in the option list nor mapped with a remarks 2 field it will show the original tax code from the Tax Code dialog in Maconomy.

## Software Issues Resolved – BPM

### NSAFT

#### NSAFT Excludes Reconciliation Entries That Have Closing Date on the Statement Date

**Deltek Tracking: 1441942**

Previously, NSAFT excluded customer and vendor reconciliation entries that were closed exactly on the statement date. This error is corrected.

#### NSAFT Displays Supplier's Invoice as Debit Balances

**Deltek Tracking: 1441985**

The balances in debit vendor entries were incorrectly displayed as **Debit Balances**. However, these are liabilities. This error is corrected such that they are now displayed as **Credit Balances**. Thus, a credit entry increases the balance in Accounts Payable and a debit entry decreases the balance.

## Software Issues Resolved – Application (APU)

#### Blocked and Closed Jobs Not Included in Unrealized Exchange Rate Calculation

**Deltek Tracking: 1417546**

Previously, blocked or closed jobs would not be included in the calculation of unrealized exchange rates for Invoices on Account when printing the Currency report. Instead, they would stop the report from printing for all other jobs as well. This error is corrected. Blocked and closed jobs are now included in the calculation of unrealized exchange rates when printing the Currency report.

#### Cannot Change Surcharge Job Parameter Type at Invoicing or Registration

**Deltek Tracking: 1456572**

Previously, it was not possible to change the selected job parameter of type **Surcharge** if this changed the attribute **Apply Surcharges at Invoicing, T&M** and the job has entries, even if none of the entries were job surcharge entries. This made it unnecessarily difficult to start using surcharges on existing jobs as you depend on the initial setup, which was not relevant at the time of setup. This is updated to allow such a change as long as the job does not have any surcharge entries.

## Cumulative Update 20 – Mar. 12, 2021

### Release Summary

New in Cumulative Update 20		
New files released	Filesize	Checksum
apu.w2000.sp104t.zip	877440 KB	<b>MD5:</b> 4e95934cb8cfe8a7b35c63cdd17019ce
spu.20_0.ia_BPMStatutoryReporting244CU20.s p104.tgz	1280 KB	<b>MD5:</b> 5e03276590522dc3b2b99371cc0d5673
rpu.20.sp104.cu020.0570749.s-std.zip	114129 KB	<b>MD5:</b> ce6274b6cef1b6ae723feb1021b7572c
rpu.20.sp104.cu020.0570749.s-cpa.zip	114617 KB	<b>MD5:</b> 51f09ae51a87f20142749b332f38abe4
spu.20_0.ia_UKTaxSubmission244CU20.sp104. tgz	189 KB	<b>MD5:</b> 2c0a945a451a973311d5ffea65310f8
Other current CU files*	Filesize	Checksum
tpu.LINUX.20_0.p104s.tgz	944886 KB	<b>MD5:</b> 6a25a58d2fdfe669dedb1035e558dd9f
tpu.NTx86.20_0.p104s.tgz	879883 KB	<b>MD5:</b> 52ddf78985f19c402324c3f76a7d577d
DeltekMaconomyWSClient244GACU19.zip	745613 KB	<b>MD5:</b> 697d105e18d42f217206989881c85623
fpu.iAccess.2.3.10-final-567251.tgz	30690 KB	<b>MD5:</b> 3d7444953d74f373d2a2ec7801088ff7

\*These files were released as part of a previous update but still apply to the latest CU.

## Software Enhancements – BPM

### UK MTD and PVA

#### Hardcoded Boxes in the UK MTD Tax Submission Report

**Deltek Tracking: 1386073, 1386074**

Effective January 1, 2021, the new HMRC MTD BREXIT rules dictate that Boxes 2, 8, and 9 in the form will no longer be used. These boxes are an EU-specific requirement and no longer apply to the UK as of the beginning of this year.

The boxes are now hardcoded with a zero value.

**Note:** These fields still need to be filled in for Northern Ireland Protocols which, while part of the UK, is still an EU member. See **Appendix C: Setup by Country » United Kingdom » Making Tax Digital (MTD) Tax Submission Report » Set Up Country Code Fields** for more information.

## Period Change Keys

### Deltek Tracking: 1416230

Period change keys are updated from numeric format (NNNN) to alphanumeric format (NNAN) for quarterly filing, while NNAA for monthly/annual filing. The **Date Submitted** field is now included in the table to check if the entry has been submitted to HMRC.

## Software Issues Resolved

### General Application

#### Empty FinanceEntryInstanceKey in the VendorEntry

##### Deltek Tracking: 1424945

Previously, the FinanceEntryInstanceKey in the VendorEntry table did not populate when you created, submitted, and approved a vendor invoice. This error is corrected such that it populates with the instance key of the corresponding finance entry on the A/P balance account.

#### Incorrect Draft Invoices for Auto-Calculated Surcharges at Invoicing on Account

##### Deltek Tracking: 1423687

Surcharge automatically calculated upon invoice on account selection approval previously did not calculate properly. The surcharge reduced the on account amount, rather than add to the on account amount. The error is corrected.

## Software Issues Resolved – BPM

### NSAFT

#### Values Exceed Character Limit When Symbols Are Included

##### Deltek Tracking: 1412840

NSAFT truncates strings that exceed the character limit. However, if a string contained symbols such as ampersand (&), less than (<), and greater than (>), the characters were escaped which caused the string to exceed the character limit again. This error has been corrected. In instances where the escaped value is truncated, the system removes the reserved character at the end of the string to avoid an invalid XML.

#### Journal ID Is Not Mapped to Journal No.

##### Deltek Tracking: 1412860

The <JournalID> element previously contained the hardcoded value 'A'. In line with the new requirement from the Norwegian Tax Administration, this is now mapped to **Journal No.** field.

#### Removal of <AnalysisTypeTable> in NSAFT

##### Deltek Tracking: 1412869

The <AnalysisTypeTable> and its elements are temporarily removed until the new structure is implemented.

## Reserved Characters Are Not Encoded for General Ledger Entries

### **Deltek Tracking: 1413713**

On the <GeneralLedgerEntries> part of NSAFT, values that contain characters such as ampersand (&), less than (<), and greater than (>) were not escaped correctly which resulted to an invalid file. This error is corrected. These reserved characters are now escaped as follows: ampersand to "&amp;", less than to "&lt;", and greater than to "&gt;".

## NSAF-T: SupplierID and CustomerID Appear Simultaneously in Transaction Lines

### **Deltek Tracking: 1413720**

Previously, SupplierID and CustomerID were derived from the **Customer No.** and **Vendor No.** fields of the finance entry. This resulted in the <SupplierID> and <CustomerID> showing on non-sub-ledger entries and sometimes appearing in the same <Line>. This error has been corrected such that only A/R or A/P sub-ledger entries have Customer or Supplier ID.

## Tax Registration Number is Not Mapped to VAT Number

### **Deltek Tracking: 1432212**

<TaxRegistrationNumber> previously was incorrectly mapped to the Company Registration No. This is now corrected and mapped to Company Information Vat No.

## **SIE**

## Amounts Not Written Using Period as Decimal Delimiter

### **Deltek Tracking: 1419097**

The SIE data export previously used the local settings to determine the decimal delimiter. This was incorrect as the delimiter should always be period. This error is corrected.

## **UK MTD**

## UK MTD: Authorization Code Issue

### **Deltek Tracking: 1429770**

Authorization codes are applicable to any company under the same client secret and client ID. However, VAT submission becomes an issue if the company's tax number is not a valid VAT Registration Number given by HMRC. Authorization codes are only valid for ten minutes before you can retrieve an access token. Once it becomes invalid, you need to retrieve a new authorization code again by logging in to the HMRC site.

## UK MTD: Negative Figures Unsupported on Box 5

### Deltek Tracking: 1392218

Apart from the other fields for submission, Box 5 only shows positive figures, as HMRC does not accept negative figures. Box 5 displays the summary of Boxes 3 and 4. The system calculates this field such that MTD takes the larger amount and deducts the smaller amount from it.

## UK MTD: Fraud Header Updates

### Deltek Tracking: 1409815

New headers and header values are submitted to the HMRC site as part of the communication between Maconomy and HMRC. These are invoked by the following actions:

- Get VAT Obligations
- Submit VAT Obligations
- Get VAT Return

These new headers are now in a <key>=<value> format. The additional/changed headers that Maconomy submits to the HMRC are the following:

- Gov-Client-Device-ID
- Gov-Client-Local-Ips-Timestamp
- Gov-Client-User-Agent – This requires [url.mtdsysmanufacturer](#) and [url.mtdsysmodel](#) to be set in the server.ini file. See **Appendix C: Setup by Country » United Kingdom** for more information.
- Gov-Vendor-Product-Name

## Cumulative Update 19 – Jan. 29, 2021

### Release Summary

New in Cumulative Update 19			
Support case	Ticket	Type	Description
N/A	1343176	BPM	Missing Elements on NSAFT File
N/A	1412832	BPM	Opening Balance Includes Transactions from First Day of Selected Period
N/A	1400976	BPM	Incorrect Fraud Header Format When Machine Set to Coordinated Universal Time (UTC)
N/A	1389211	BPM	PVA: Box 6 is Not Populated for Gold Transactions
N/A	1397774	BPM	Add #PROGRAM Release Version
N/A	1397777	BPM	Grouping Level 1 Contains " " in #SRU Code
N/A	1397780	BPM	#TRANS Field Does Not Balance
N/A	1397785	BPM	Improve and Optimize SIE Queries
N/A	1408866	Technology (TPU)	Java-applets Cannot Use Customized Layouts From 2.3
200303-000828	1336075	Technology (TPU)	Handling of Interrupted Status in McClientProxy in Workspace Client
New files released		Filesize	Checksum
tpu.LINUX.20_0.p104s.tgz		944886 KB	<b>MD5:</b> 6a25a58d2fdfe669dedb1035e558dd9f
tpu.NTx86.20_0.p104s.tgz		879883 KB	<b>MD5:</b> 52ddf78985f19c402324c3f76a7d577d
DeltekMaconomyWSClient244GACU19.zip		745613 KB	<b>MD5:</b> 697d105e18d42f217206989881c85623
spu.20_0.ia_UKTaxSubmission244CU19.sp104.		185 KB	<b>MD5:</b> b6aca7d3efff46ed23385ed4a77fee99

tgz		
spu.20_0.ia_BPMStatutoryReporting244CU19.s p104.tgz	1293 KB	<b>MD5:</b> 2b06eb17f5b26ec95978cde943f01787
<b>Other current CU files*</b>	<b>Filesize</b>	<b>Checksum</b>
apu.w2000.sp104o.zip	877994 KB	<b>MD5:</b> 768aeb65039f0350fbacf6aaf911b110
rpu.20.sp104.cu016.1.s-std.zip	114140 KB	<b>MD5:</b> b293fff53224c18e47bbb5eb40db0b8a
rpu.20.sp104.cu016.1.s-cpa.zip	114566 KB	<b>MD5:</b> 99343caf67e66e8de8aa65078ba50673
fpu.iAccess.2.3.10-final-567251.tgz	30690 KB	<b>MD5:</b> 3d7444953d74f373d2a2ec7801088ff7

\*These files were released as part of a previous update but still apply to the latest CU.

## Important TPU Notes for CU 19

The Workspace Client from 19 is required for this update.

Deltek recommends that you always install the latest version of the Workspace Client in order to ensure compatibility with the most recent CUs.

## Software Issues Resolved – BPM

### NSAFT

#### Missing Elements on NSAFT File

**Deltek Tracking: 1343176**

There were previously missing elements for NSAFT. This error is corrected as detailed below.

- Changed <TransactionDate> mapping to finance entry date
- <SystemEntryTime> is removed. The journal creation date field does not have the time part in the database.
- <ReferenceNumber> is mapped using the following condition:
  - If the journal is an invoice, then <ReferenceNumber> is mapped to the transaction number
  - If the journal is a vendor invoice, then <ReferenceNumber> is mapped to the vendor invoice number

#### Opening Balance Includes Transactions from First Day of Selected Period

**Deltek Tracking: 1412832**

Previously, balances from transactions on the first day of the selected period were added to the opening balance. This error is corrected.

## UK MTD

### Incorrect Fraud Header Format When Machine Set to Coordinated Universal Time (UTC)

**Deltek Tracking: 1400976**

Previously, UK MTD TimeZone fraud headers were not submitted in the correct format when the machine was set to Coordinated Universal Time (UTC). This error is corrected.

**Note:** Changes for Fraud Headers from Jan 2021 are not included in this release. These changes will be handled in a future release.

### PVA: Box 6 is Not Populated for Gold Transactions

**Deltek Tracking: 1389211**

Box 6 was not previously populated for Gold transactions for PVA. This error is corrected.

Setup notes for this bug:

- Box 6 is populated with or without setting up Tax Popup 2 = PVA.
- Tax Popup 1 should be set up as "Gold RCM" with Boolean 1 = true.

## SIE

### Add #PROGRAM Release Version

**Deltek Tracking: 1397774**

There was previously no release version tag in the #PROGRAM field. This error is corrected and the tag is now added.

Example (for Maconomy 2.4.4):

```
#PROGRAM "Maconomy" 20.0.104.0
```

### Grouping Level 1 Contains " " in #SRU Code

**Deltek Tracking: 1397777**

Previously, the Grouping Level 1 value in #SRU code contained quotations (" ") as part of the value. This was incorrect as the value should only contain digits and not text. This error is corrected and " " is removed.

### #TRANS Field Does Not Balance

**Deltek Tracking: 1397780**

When there was previously a combination sequence number setup in the company, the #TRANS field in SIE report did not balance. This error is corrected.

## Improve and Optimize SIE Queries

### **Deltek Tracking: 1397785**

Instead of having to manually modify or increase the timeouts in the server.ini or background task, this is now added directly in the code.

## Software Issues Resolved – Technology (TPU)

### Java-applets Cannot Use Customized Layouts From 2.3

#### **Deltek Tracking: 1408866**

The function getlayout2 could not previously get customized layouts from Maconomy version 2.3 and onwards.

getlayout2 is used in java-client (which is not supported in 2.3), and java-applets for which support is disabled from 2.3 and onwards. This error is corrected.

### Handling of Interrupted Status in McClientProxy in Workspace Client

#### **Deltek Tracking: 1336075**

Previously, there was no handling of an "interrupted" status in McClientProxy in the Workspace Client if a second attempt was made to run the request. There was no interruption message in the Workspace Client log to indicate that an interruption had occurred. This error is corrected.

## Cumulative Update 18 – Dec. 18, 2020

### Release Summary

New in Cumulative Update 18			
Support case	Ticket	Type	Description
N/A	1396342	BPM	<Description> for <Transaction> should be mapped to Transaction Type instead of Entry Text
N/A	1396344	BPM	<NumberOfEntries> is Counted Incorrectly
N/A	1396345	BPM	Multiple Tax Entries Under Transaction Result in Multiple Lines in XML
N/A	1396346	BPM	Field Restrictions on Character Limits
N/A	1397874	BPM	Opening Balance of Customers and Suppliers Always Set to Zero
N/A	1397880	BPM	AuditFileVersion is Set to 1.00 Instead of 1.10
N/A	1338443	BPM	Truncated XML Occurs Even When Background Task is Successful
N/A	1377794	iAccess	Horizontal Scrollbar on Card Grids
N/A	1380485	iAccess	Mail-Link Elements Did Not Use Query Specified in the Configuration
201208-000986	1392101	Technology (TPU)	Workspace Client Redraw Issues When Running macOS Big Sur
N/A	1389710	Technology (TPU)	Workspace Client Versions Below 2.4.5 Unresponsive When Launched Under macOS Big Sur
New files released		Filesize	Checksum
DeltekMaconomyWSClient244GACU18.zip		745932 KB	<b>MD5:</b> 257fbf8c04dca3845b02e74c4260c000
tpu.LINUX.20_0.p104r.tgz		935477 KB	<b>MD5:</b> db1fd630b2c5b4d418af147604e415e8

tpu.NTx86.20_0.p104r.tgz	879090 KB	<b>MD5:</b> c51f6c6d8702ea70ae2da52f5fb99347
fpu.iAccess.2.3.10-final-567251.tgz	30690 KB	<b>MD5:</b> 3d7444953d74f373d2a2ec7801088ff7
spu.20_0.ia_BPMStatutoryReporting244CU18.s p104.tgz	1287 KB	<b>MD5:</b> 0716434bda8dc77559545e8fc2332674
<b>Other current CU files*</b>	<b>Filesize</b>	<b>Checksum</b>
apu.w2000.sp104o.zip	877994 KB	<b>MD5:</b> 768aeb65039f0350fbacf6aaf911b110
rpu.20.sp104.cu016.1.s-std.zip	114140 KB	<b>MD5:</b> b293fff53224c18e47bbb5eb40db0b8a
rpu.20.sp104.cu016.1.s-cpa.zip	114566 KB	<b>MD5:</b> 99343caf67e66e8de8aa65078ba50673

\*These files were released as part of a previous update but still apply to the latest CU.

## Software Issues Resolved – BPM (NSAFT)

### <Description> for <Transaction> should be mapped to Transaction Type instead of Entry Text

**Deltek Tracking: 1396342**

Previously, <Description> for the <Transaction> was mapped on the transaction's entry text. This is error is corrected. This is now correctly mapped to the transaction type for proper grouping.

### <NumberOfEntries> is Counted Incorrectly

**Deltek Tracking: 1396344**

Previously, <NumberOfEntries> was calculated based on the number of unique transaction IDs. This was incorrect. This is error is corrected and properly reflects the number of <Transaction> elements in the generated XML.

### Multiple Tax Entries Under Transaction Result in Multiple Lines in XML

**Deltek Tracking: 1396345**

Previously, multiple tax entries under one transaction resulted in multiple lines in the generated XML. This error is corrected. A <TaxInformation> entry is now created instead of <Line> under the related transaction.

### Field Restrictions on Character Limits

**Deltek Tracking: 1396346**

The following fields are now restricted to the corresponding character limits:

#### Customer

- Name (70)
- Registration Number (35)

**Supplier**

- Name (70)
- Registration Number (35)

**Bank Account**

- BIC (18)

## Opening Balance of Customers and Suppliers Always Set to Zero

**Deltek Tracking: 1397874**

All opening balance amounts of customers and suppliers was previously always set to zero in the master file. This error is corrected.

## AuditFileVersion is Set to 1.00 Instead of 1.10

**Deltek Tracking: 1397880**

The Audit File Version (AuditFileVersion) was previously set to 1.00. This value should be 1.10. This error is corrected.

## Truncated XML Occurs Even When Background Task is Successful

**Deltek Tracking: 1338443**

An unknown error not written on the logs previously caused the generated XML to be truncated on the customer data even if the background task finished successfully. This error is corrected.

**Important:** The following parameter should be added to the Maconomy server.ini file in order to improve performance.

- filepath.nsaftoffset = 50000

**Note that the value (here, 50,000) can be adjusted as needed.** This is the general recommendation for a starting point but can be changed as desired. This is especially important to note if the background task experiences database timeouts during execution.

## Software Issues Resolved – iAccess

### Horizontal Scrollbar on Card Grids

**Deltek Tracking: 1377794**

**Browsers:** IE11, Chrome, Safari, and Firefox

On smaller screens, iAccess would display an unnecessary horizontal scrollbar on card grids. This is now corrected.

### Mail-Link Elements Did Not Use Query Specified in the Configuration

**Deltek Tracking: 1380485**

**Browsers:** IE11, Chrome, Safari, and Firefox

When users clicked the email link in any card or table (including those in wizards), iAccess opened a new email window but left the **Subject** field empty even if a subject was specified in the configuration. This is now corrected.

## Software Issues Resolved – Technology (TPU)

### Workspace Client Redraw Issues When Running macOS Big Sur

**Deltek Tracking: 1392101**

Previously, users experienced calendar redraw issues when running the Workspace Client with macOS Big Sur. This error is corrected.

### Workspace Client Versions Below 2.4.5 Unresponsive When Launched Under macOS Big Sur

**Deltek Tracking: 1389710**

Previously, Workspace Clients below version 2.4.5 became unresponsive when launched using macOS Big Sur. This error is corrected.

## Cumulative Update 17 – Dec. 04, 2020

### Release Summary

New in Cumulative Update 17			
Support case	Ticket	Type	Description
N/A	1364506	BPM	UK Postponed Vat Accounting (PVA) and Reverse Charge Mechanism (RCM)
N/A	1317654	BPM	UK MTD Boxes Do Not Support Reverse Charge Mechanism
New files released		Filesize	Checksum
spu.20_0.ia_UKTaxSubmission244CU17.sp104.tgz		184 KB	<b>MD5:</b> b1bf3f2a5c1bee5d47cec53167741534
Other current CU files*		Filesize	Checksum
DeltekMaconomyWSClient244GACU13.zip		745802 KB	<b>MD5:</b> 6d7e1afcedd7856e08d5f70d1c41a176
apu.w2000.sp104o.zip		877994 KB	<b>MD5:</b> 768aeb65039f0350fbac6aaf911b110
tpu.LINUX.20_0.p104m.tgz		935368 KB	<b>MD5:</b> cc79aae3121ceb27839c79a17f0188c2
tpu.NTx86.20_0.p104m.tgz		878985 KB	<b>MD5:</b> 49d21214a97aee18172539ad41d88102
fpu.iAccess.2.3.9-final-556239.tgz		30698 KB	<b>MD5:</b> 1103836b9526e9b40861ca63ff9e8fcd
rpu.20.sp104.cu016.1.s-std.zip		114140 KB	<b>MD5:</b> b293fff53224c18e47bbb5eb40db0b8a
rpu.20.sp104.cu016.1.s-cpa.zip		114566 KB	<b>MD5:</b> 99343caf67e66e8de8aa65078ba50673
spu.20_0.ia_BPMStatutoryReporting244CU16.sp104.tgz		1259 KB	<b>MD5:</b> 22eb50fb95f3d9f4e06b5e68bb48db4b

\*These files were released as part of a previous update but still apply to the latest CU.

### Software Enhancements – BPM

#### UK Postponed Vat Accounting (PVA) and Reverse Charge Mechanism (RCM)

**Deltek Tracking: 1364506**

As of January 1, 2021, HMRC has approved certain changes to the VAT 100 form that have an impact on UK MTD and filing procedures. These changes are related to new requirements for VAT on imports.

**Important:** Deltek does NOT act in the capacity of an accounting or tax advisor to customers or other parties. Accordingly, customers must reach out to their accountants or tax advisors in order to ascertain the impact of these requirements on their business.

**Notes:**

- For Setup information on this feature, see the [UK PVA and RCM](#) section in Appendix C.
- For example scenarios, see the [UK PVA and RCM Examples](#) section in Appendix F.

### Changes to Maconomy

UK MTD functionality is updated to accommodate **Postponed VAT Accounting (PVA)** and **Reverse Charge Mechanism (RCM)** functionality for the VAT-100 form as detailed in the following sections. PVA and RCM represent exceptions to normal VAT charges that must be handled according to HMRC protocol. These are explained in the sections below. Links to procedures for completing each type of transaction are provided as necessary.

### Terminology

Term	Description
<b>RCM</b>	<p><i>Reverse Charge Mechanism</i></p> <p>This is used to categorize transactions that are for reverse charge in accordance to HMRC’s mandate. The following values are utilized to filter out categories mentioned in this rule:</p> <ul style="list-style-type: none"> <li>• Gold RCM</li> <li>• Mobile phones and Computer chips RCM</li> <li>• Services RCM</li> <li>• Telecom cellular service RCM</li> </ul>
<b>PVA</b>	<p><i>Postponed VAT Accounting (Effective 1/1/21)</i></p> <p>This is used to categorize transactions that are conforming to the VAT 100 form Impact to UK MTD submission.</p> <p>From 1 January 2021, this will provide the same cash flow benefits to businesses who import goods from rest of world countries as those who import goods from the EU.</p>

### Normal VAT Charge

This section describes amount field definitions under the **normal VAT** charge procedure. This includes what is needed to be filled in per box on transactions categorized by HMRC in the link below:

<https://www.gov.uk/guidance/how-to-fill-in-and-submit-your-vat-return-vat-notice-70012#section3>

**Note:** All tax amounts are the *deductible* tax amounts.

### Box Definitions and Uses

The following are the boxes available to be used for normal VAT charges.

**Important:** As of 1/1/2021, boxes 2, 8, 9 will only be used for transactions with Northern Ireland, which remains part of the EU and not impacted by BREXIT. These boxes will no longer be used for any other UK or “rest-of-world” transactions. They are displayed in gray below.

These fields will default to zero for all “rest-of-world” countries except Northern Ireland.

Please note changes to the wording of these box descriptions:

- **Current wording:**
  - Box 2: VAT due in this period on acquisitions from other EC Member States
  - Box 8: Total value of all supplies of goods and related costs, excluding any VAT, to other EC Member States
  - Box 9: Total value of all acquisitions of goods and related costs, excluding any VAT, from other EC Member States
- **New wording** (as of 1/1/21):
  - Box 2: VAT due in this period on intra-community acquisitions of goods made in Northern Ireland from EU Member States
  - Box 8: Total value of intra-community dispatches of goods and related costs (excluding VAT) from Northern Ireland to EU Member States
  - Box 9: Total value of intra-community acquisitions of goods and related costs (excluding VAT) made in Northern Ireland from EU Member States

Box No.	Box Use	Details
1	<b>VAT due in the period on sales and other outputs</b>	<p>Include the VAT due on all goods and services you supplied in the period covered by the return. This is your ‘output VAT’ for the period. VAT may also be due on supplies outside the mainstream of your business.</p> <p><b>Note:</b> This also includes PVA as noted below.</p>
2	<b>VAT due in the period on acquisitions from other member states of the EU</b>	<p>Show the VAT due on all goods and related costs bought from VAT-registered suppliers in other EU member states, these purchases are referred to as ‘acquisitions’. Related costs include any payment that you make to cover your supplier’s costs in making the supply, such as packing, transport or insurance which they’re responsible for under their contract with you.</p> <p>You must include the VAT due on all your acquisitions for the VAT period in which the tax point occurs.</p>

Box No.	Box Use	Details
3	<b>Total VAT due</b>	Show the total VAT due, that is, boxes 1 and 2 added together. This is your 'output VAT' for the period.
4	<b>VAT reclaimed in the period on purchases and other inputs (including acquisitions from the EU)</b>	<p>Show the total amount of deductible VAT charged on your business purchases. This is referred to as your 'input VAT' for the period. You cannot claim input VAT on your return unless you have a proper VAT invoice to support the claim (but see the rules in VAT guide (VAT Notice 700).</p> <p><b>Note:</b> This box is also impacted by PVA and RCM as noted below.</p>
5	<b>Net VAT to pay to HMRC or reclaim</b>	<p>Take the figures in boxes 3 and 4. Deduct the smaller from the larger and enter the difference in box 5.</p> <p>If the figure in box 3 is more than the figure in box 4, the difference is the amount you must pay. If the figure in box 3 is less than the figure in box 4 your account will be credited and you will be repaid balance (subject to any enquiries that need to be made).</p>
6	<b>Total value of sales and all other outputs excluding any VAT</b>	<p>Show the total value of all your business sales and other specific outputs but leave out any VAT.</p> <p><b>Note:</b> This field is also used for RCM for Gold and Services as noted below.</p>
7	<b>Total value of purchases and all other inputs excluding any VAT</b>	<p>Show the total value of your purchases and expenses but leave out any VAT.</p> <p><b>Note:</b> This box is also impacted by PVA, and RCM for gold, Services, and mobile phones and computer chips as noted below.</p>
8	<b>Total value of all supplies of goods and related costs, excluding any VAT, to other EU member states</b>	<p>Show the total value of all supplies of goods to other EU member states and directly related costs, such as freight and insurance, where these form part of the invoice or contract price. This must include the value of any goods dispatched from the UK to a destination in another member state, even if no actual sale is involved or the sale is being invoiced to a person located outside the EU. Leave out any VAT. See The single market (VAT Notice 725) for further information on trading within the EC.</p>

Box No.	Box Use	Details
9	<b>Total value of all acquisitions of goods and related costs, excluding any VAT, from other EU member states</b>	Show the total value of all acquisitions of goods from VAT-registered suppliers in other EU member states and directly related costs, such as freight and insurance, where these form part of the invoice or contract price, but leave out any VAT.

### Postponed VAT Accounting (PVA)

**Postponed VAT Accounting**, or **PVA**, allows businesses to account for VAT in imports through their periodic VAT return instead of having to pay that VAT at or upon crossing the UK border.

The Postponed VAT Accounting rules or PVA come into effect on January 1, 2021. The new rules combine the former customs reports for goods received from the EU (before BREXIT) and the rest of the world (ROW) onto the VAT 100 form impacting boxes 1,4 and 7 (in most instances) and the MTD filing.

#### Box Definitions and Uses for PVA

In light of Brexit, HMRC has introduced a new method of accounting for import VAT in the VAT return. This could have a compulsory requirement for some businesses to follow these rules. Under this rule, when a business import goods – either from an EU or a non-EU country:

- It could pay import VAT to HMRC through its VAT return.
- In Addition, similar to the current rule, businesses can seek to recover this import VAT as input tax in Box 4 of the VAT return. The value of import is shown in Box 7.

The table below shows the specific boxes to be populated for PVA:

Box No.	Field Name	Description
1	<b>VAT Due Sales</b>	The tax amount for tax payable for which the transaction references the Tax Code stating that it is Goods on Tax Popup 1 and PVA on Tax Popup 2 and Tax Type.
3	<b>Total VAT Due</b>	The sum as updated from VAT Due Sales and VAT Due Acquisitions
4	<b>VAT Reclaimed Current Period</b>	The tax amount for tax receivable for which the transaction references the Tax Code stating that it is Goods on Tax Popup 1 and PVA on Tax Popup 2 and Tax Type.
5	<b>Net VAT Due</b>	The tax receivable less tax payable as updated from Box 1 and 4.
7	<b>Total Value Purchases Excluding VAT</b>	The basis amount for tax receivable for which the transaction references the Tax Code stating that it is Goods on Tax Popup 1 and PVA on Tax Popup 2 and Tax Type.
9	<b>Total Acquisitions</b>	The basis amount for tax receivable for which there is referenced a vendor having a non-empty tax number and from an EU country other than the

Box No.	Field Name	Description
	<b>Excluding VAT</b>	company itself (UK), and for which the tax code states that this is Goods on Tax Popup 1 and PVA on Tax Popup 2 and Tax Type.

**Important:** After Brexit, on 1/1/21, box 9 will only be used for transactions with Northern Ireland from EU member states. It will no longer be used for any other UK or “rest-of-world” transactions. This box is displayed in gray above.

Additionally, box 9 is currently incorrectly populated for “rest-of-world” countries. Note that this will no longer be an issue after Brexit as box 9 will only be used by EU member states.

### Reverse Charge Mechanism

**Reverse Charge Mechanism**, or **RCM**, is used to categorize transactions that are for “reverse charge” in accordance to HMRC’s mandate.

Under the reverse charge procedure, the buyer of the goods or services, rather than the seller, is liable to account for the VAT on the sale.

This rule combines different types of transactions received from the EU (before BREXIT). Boxes 1, 4, 6, and 7 will be impacted in accordance with how input and output tax will be handled for MTD filing.

These details are mentioned in the following links:

<https://www.gov.uk/guidance/how-to-fill-in-and-submit-your-vat-return-vat-notice-70012#para46>

<https://www.gov.uk/guidance/the-vat-domestic-reverse-charge-procedure-notice-735>

### Box Definitions and Uses for RCM

The return should be completed in accordance with the guidance in the following table:

If you use the reverse charge for	Customer Transactions	Vendor Transactions
<b>Gold RCM</b>	Box 6 (value of the supply)	Box 1 (output VAT) Box 4 (input VAT) Box 6 (value of the deemed supply) Box 7 (purchase value)
<b>Services RCM</b>	Box 6 (value of the supply)	Box 1 (output VAT) Box 4 (input VAT) Box 6 (value of the deemed supply) Box 7 (purchase value)
<b>Mobile phones and computer chips RCM</b>	Box 6 (value of the supply)	Box 1 (output VAT) Box 4 (input VAT) Box 7 (purchase value)
<b>Telecom cellular services RCM</b>	Box 6 (value of the supply)	Box 1 (output VAT) Box 4 (input VAT) Box 6 (value of the deemed supply) Box 7 (purchase value)

**Note:** Incorrect boxes are currently populated when RCM is set up for “rest-of-the-world” countries. This is not currently an issue until Brexit takes effect in January 2021. There is a future PBI being developed to address this item.

### Data Export Prompts

The data export is run company by company and therefore the **Company No.** prompt is single valued.

Tax settlements are identified also by their from/to year and months. These filters must match exactly the intervals that are used for the settlements. **They are not year/month filters that include by interval.**

The prompts for the Data Export are below.

**Note:** These are the standard Tax Settlement fields.

Prompt Title	Expression	Mandatory
<b>Company Tax No:</b>	Only include entries belonging to the company/companies having the answered tax number. Single valued	<b>Yes</b>
<b>Tax Settlement Unit Name:</b>	Only include entries belonging to the answered tax settlement unit name. Single valued	<b>Yes</b>
<b>From Year:</b>	Only include entries for which the settlement is from the answered Year. The value must match exactly the To Month of the settlement to include.  The prompt is not mandatory as it must be possible to use Entry Date From/To instead, in case clients do not use Maconomy's Tax Settlement functionality. Single valued	<b>No</b>
<b>From Month:</b>	Only include entries for which the settlement is from the answered Month. The value must match exactly the From Month of the settlement to include.  The prompt is not mandatory as it must be possible to use Entry Date From/To instead, in case clients do not use Maconomy's Tax Settlement functionality. Single valued	<b>No</b>
<b>To Year:</b>	Only include entries for which the settlement is to the answered Year. The value must match exactly the To Year of the settlement to include.  The prompt is not mandatory as it must be possible to use Entry Date From/To instead, in case clients do not use Maconomy's Tax Settlement functionality. Single valued	<b>No</b>

Prompt Title	Expression	Mandatory
<b>To Month:</b>	<p>Only include entries for which the settlement is to the answered Month. The value must match exactly the To Month of the settlement to include.</p> <p>The prompt is not mandatory as it must be possible to use Entry Date From/To instead, in case clients do not use Maconomy's Tax Settlement functionality.</p> <p>Single valued</p>	<b>No</b>
<b>From Entry Date:</b>	<p>Only include entries for which the tax entries have an entry date equal or after the answered date.</p> <p>Single valued</p>	<b>No</b>
<b>To Entry Date:</b>	<p>Only include entries for which the tax entries have an entry date equal or before the answered date.</p> <p>Single valued</p>	<b>No</b>

**Note:** The `server.ini` file specifies whether to use the From/To Year/Month prompts (which apply restrictions on tax settlements and assume the use of Maconomy's Tax Settlement functionality) or to use the From/To Entry Date prompts (which can be used if **not** using Maconomy's Tax Settlement functionality).

### Countries

To be able to report on what countries a certain entity belongs to, the following fields are added to the Countries table:

- **EU Member**
- **Country Code**

You can use these fields to further filter data.

### Company, Customer, and Vendor Information

The following fields can be used to further filter data that will be included prior to submission to HMRC:

Table	Field
<b>Company Information</b>	Company Country
	Company Tax No.
<b>Customer</b>	Customer Country
	Customer Tax No.
<b>Vendor</b>	Vendor Country

Table	Field
	Vendor Tax No.

## Software Issues Resolved – BPM

### UK MTD Boxes Do Not Support Reverse Charge Mechanism

**Deltek Tracking: 1317654**

#### UK MTD Boxes 1, 4, 6, and 7 Do Not Support Reverse Charge Mechanism

Previously, boxes 1, 4, 6, and 7 in UK MTD did not support Reverse Charge Mechanism functionality. This issue was found in both the Workspace Client and Business Objects interface. This error is corrected.

**Note:** The following additional setup should be included:

Tax Popup 1	Tax Popup 1 Boolean 1
Goods	true
Gold RCM	true
Mobile phones and Computer chips RCM	true
Services RCM	false
Services	false
Telecom cellular services RCM	false

For versions prior to this fix, customers must talk to their tax advisors on amending their next VAT 100 form filing via MTD to include updates to the respective fields to reflect input VAT.

## Cumulative Update 16 – Sep. 04, 2020

### Release Summary

New in Cumulative Update 16			
Support case	Ticket	Type	Description
200330-000287	1283563	BPM	SIE Export Error Due to Quotation Marks
N/A	1288725	BPM	SIE Report Unable to Support Multiple Fiscal Years That Start in the Same Calendar Year
N/A	1289233	BPM	SIE: Missing #IB and #UB Fields in the Extract
N/A	1289245	BPM	SIE: Missing #RES Field in the Extract
N/A	1292892	BPM	Slow Performance When Running the SIE Report
N/A	1317654	BPM	UK MTD Box 6 Does Not Include Total Value of EU Purchases
200526-000755	1324377	BPM	NSAFT: Multiple Transactions Appear with Same Transaction Number
N/A	1324408	BPM	UK MTD Does Not Enforce Company Country Restriction
N/A	1329255	BPM	NSAFT: Error in Pagination Handling
181126-001150	1345475	BPM	Reporting and Filtering on Fiscal Year and Period
New files released		Filesize	Checksum
rpu.20.sp104.cu016.1.s-std.zip		114140 KB	<b>MD5:</b> b293fff53224c18e47bbb5eb40db0b8a
rpu.20.sp104.cu016.1.s-cpa.zip		114566 KB	<b>MD5:</b> 99343caf67e66e8de8aa65078ba50673
spu.20_0.ia_UKTaxSubmission244CU16.sp104.tgz		183 KB	<b>MD5:</b> 462b1ca1cef3914a3710f6c55b0a0b52

spu.20_0.ia_BPMStatutoryReporting244CU16.s p104.tgz	1259 KB	<b>MD5:</b> 22eb50fb95f3d9f4e06b5e68bb48db4b
<b>Other current CU files*</b>	<b>Filesize</b>	<b>Checksum</b>
DeltekMaconomyWSCClient244GACU13.zip	745802 KB	<b>MD5:</b> 6d7e1afcedd7856e08d5f70d1c41a176
apu.w2000.sp104o.zip	877994 KB	<b>MD5:</b> 768aeb65039f0350fbacf6aaf911b110
tpu.LINUX.20_0.p104m.tgz	935368 KB	<b>MD5:</b> cc79aae3121ceb27839c79a17f0188c2
tpu.NTx86.20_0.p104m.tgz	878985 KB	<b>MD5:</b> 49d21214a97aee18172539ad41d88102
fpu.iAccess.2.3.9-final-556239.tgz	30698 KB	<b>MD5:</b> 1103836b9526e9b40861ca63ff9e8fcd

\*These files were released as part of a previous update but still apply to the latest CU.

## Software Issues Resolved – BPM

### SIE Export Error Due to Quotation Marks

**Deltek Tracking: 1283563**

Quotation marks in the account and company names cause errors when used in third-party software. This is now fixed by adding an escape character.

### SIE Report Unable to Support Multiple Fiscal Years That Start in the Same Calendar Year

**Deltek Tracking: 1288725**

When you previously ran the SIE Report with multiple fiscal years starting in the same calendar year, some fields, including the #RAR field, would not show. This error is corrected.

### SIE: Missing #IB and #UB Fields in the Extract

**Deltek Tracking: 1289233**

The #IB and #UB fields did not previously display in the SIE Report. This error is corrected.

### SIE: Missing #RES Field in the Extract

**Deltek Tracking: 1289245**

The #RES field did not previously display in the SIE Report. This error is corrected.

### Slow Performance When Running the SIE Report

**Deltek Tracking: 1292892**

Previously, poor performance was noted when running the SIE report. A company suffix and optimized queries are added to the report to improve the performance when running it.

## UK MTD Box 6 Does Not Include Total Value of EU Purchases

### Deltek Tracking: 1317654

Box 6 (Total Sales) for UK MTD did not previously include the total Value of EU Purchases. This is incorrect according to the VAT Reverse Charge Mechanism for HMRC.

## NSAFT: Multiple Transactions Appear with Same Transaction Number

### Deltek Tracking: 1324377

In Maconomy, a journal previously showed multiple transactions with the same transaction number. Duplicate transactions appeared in the generated XML due to incorrect grouping of transaction headers. However, NSAFT requires that all transaction numbers are unique. This error is corrected so that multiple transactions no longer display the same transaction number.

## UK MTD Does Not Enforce Company Country Restriction

### Deltek Tracking: 1324408

The UK MTD report did not previously restrict entries where the Country of the Company was not in the United Kingdom. When the **Company Country** field was populated with a value other than "United Kingdom (UK)", the report still retrieved entries and populated the table. This error is corrected.

## NSAFT: Error in Pagination Handling

### Deltek Tracking: 1329255

NSAFT previously handled pagination incorrectly. Instead of only performing one query and then processing a set of records based on the offset value, NSAFT re-ran the query for every 200 records pulled. This resulted in very slow performance.

## Reporting and Filtering on Fiscal Year and Period

Universe objects for reporting and filtering on fiscal year and period were not capable of handling multiple fiscal years starting in the same calendar year.

The logic of the objects is updated so that it follows the year and period set in Maconomy when setting up fiscal years. If periods are set up to reflect fiscal periods, then the corresponding object in the Finance BPM universe "Fiscal Year", and related objects, will reflect fiscal year numbering; else calendar month numbering. In general, how the periods are considered when setting up is how they reflect when reported.

This is the same logic that was always applied in Maconomy for Maconomy finance reports. You do not need to make any changes to the setup. However, how you interpret the designation of years and months for fiscal periods is very important. Finance reports in BPM are restricted in the same way as the periods are set up. If periods are considered months, then the restriction should follow that. If periods are considered fiscal periods, then the restriction should follow accordingly.

If you have odd fiscal years, or fiscal years with two years starting in the same calendar year, no setup changes are necessary. You no longer need to restrict by fiscal periods but can use calendar months, if that is how your system is set up.

# Cumulative Update 15 – July 10, 2020

## Release Summary

New in Cumulative Update 15			
Support case	Ticket	Type	Description
191023-000205 200619-000007	1313497	Application (APU)	String Concatenation Warnings from Dimension Derivation
New files released		Filesize	Checksum
apu.w2000.sp104o.zip		877994 KB	<b>MD5:</b> 768aeb65039f0350fbacf6aaf911b110
Other current CU files*		Filesize	Checksum
DeltekMaconomyWSCClient244GACU13.zip		745802 KB	<b>MD5:</b> 6d7e1afcedd7856e08d5f70d1c41a176
spu.20_0.ia_UKTaxSubmission244CU13.sp104.tgz		182 KB	<b>MD5:</b> b07fc2ea5f23601f241029acc2a4269c
tpu.LINUX.20_0.p104m.tgz		935368 KB	<b>MD5:</b> cc79aae3121ceb27839c79a17f0188c2
tpu.NTx86.20_0.p104m.tgz		878985 KB	<b>MD5:</b> 49d21214a97aee18172539ad41d88102
fpu.iAccess.2.3.9-final-556239.tgz		30698 KB	<b>MD5:</b> 1103836b9526e9b40861ca63ff9e8fcd
rpu.20.sp104.cu014.1.s-cpa.zip		115645 KB	<b>MD5:</b> f35d9c3e32b3b03defb44466dce5881b
rpu.20.sp104.cu014.1.s-std.zip		115219 KB	<b>MD5:</b> 7ee6bc8d3392ba76831a1eca126dbdd7
spu.20_0.ia_BPMStatutoryReporting244CU14.sp104.tgz		1279 KB	<b>MD5:</b> e6a37ba2ade3b71e38916567bfc5ec7f

\*These files were released as part of a previous update but still apply to the latest CU.

## Software Issues Resolved – Application (APU)

### String Concatenation Warnings from Dimension Derivation

#### Deltek Tracking: 1313497

Previously, MaconomyServer.log issued repeated string concatenation warnings that occurred from dimension derivation of LM\_SubstituteParameter. This error is corrected. The warnings no longer occur.

## Cumulative Update 14 – June 04, 2020

### Release Summary

New in Cumulative Update 14			
Support case	Ticket	Type	Description
N/A	1261728	BPM	Remapped Fields on AddressStructure
N/A	1261731	BPM	Character Limit Issue on String Fields
N/A	1261733	BPM	Temporary Removal of AnalysisPartyInfoStructure
N/A	1261735	BPM	Incorrect Data on StandardTaxCodes
N/A	1261737	BPM	Incorrect Data on Journal Types
N/A	1269111	BPM	Unable to Extract Vendors or Customers with Zero Balance
N/A	1284994	BPM	Tax Registration Number Automatically Appended with MVA
N/A	1284996	BPM	Small Amounts Show Due to Incorrect Number Formatting
N/A	1285104	BPM	BankAccountNumber and IBANNumber Displayed Simultaneously
N/A	1293674	BPM	Report Error when Calculating Exchange Rate
N/A	1293677	BPM	GeneralLedgerAccountID and AccountID Should Contain Control Account No.
N/A	1293678	BPM	Mandatory Elements Show Empty Value or "NA" When No Values are Entered
N/A	1293679	BPM	General Ledger Entries Transaction Type Not Visible on File

N/A	1293680	BPM	Incorrect Reporting Structure for Data Export
N/A	1293681	BPM	Incorrect Date Filtering on AR and AP Aging Queries
N/A	1297599	BPM	Exchange Rate is Not Visible in NSAFT XML File
N/A	1276088	iAccess	Disappearing Rows in Long Tables
N/A	1253924	iAccess	Lexer Error in Expressions With Multiple Quoted Popup Literals
N/A	1253939	iAccess	Virtual Tables Not Supported When Using Table Assistants
<b>New files released</b>		<b>Filesize</b>	<b>Checksum</b>
fpu.iAccess.2.3.9-final-556239.tgz		30698 KB	<b>MD5:</b> 1103836b9526e9b40861ca63ff9e8fcd
rpu.20.sp104.cu014.1.s-cpa.zip		115645 KB	<b>MD5:</b> f35d9c3e32b3b03defb44466dce5881b
rpu.20.sp104.cu014.1.s-std.zip		115219 KB	<b>MD5:</b> 7ee6bc8d3392ba76831a1eca126dbdd7
spu.20_0.ia_BPMStatutoryReporting244CU14.s p104.tgz		1279 KB	<b>MD5:</b> e6a37ba2ade3b71e38916567bfc5ec7f
<b>Other current CU files*</b>		<b>Filesize</b>	<b>Checksum</b>
DeltekMaconomyWSClient244GACU13.zip		745802 KB	<b>MD5:</b> 6d7e1afcedd7856e08d5f70d1c41a176
apu.w2000.sp104m.zip		860490 KB	<b>MD5:</b> b04cf713d0a3f444ed30b52ae96c59e5
spu.20_0.ia_UKTaxSubmission244CU13.sp104. tgz		182 KB	<b>MD5:</b> b07fc2ea5f23601f241029acc2a4269c
tpu.LINUX.20_0.p104m.tgz		935368 KB	<b>MD5:</b> cc79aae3121ceb27839c79a17f0188c2
tpu.NTx86.20_0.p104m.tgz		878985 KB	<b>MD5:</b> 49d21214a97aee18172539ad41d88102

\*These files were released as part of a previous update but still apply to the latest CU.

## Software Issues Resolved – BPM

### NSAFT Updates

Statutory updates require additional setup. For further information on Statutory installation and updates, see the following sections at the end of this document:

- [Appendix A: Statutory Reports Setup](#)
- [Appendix B: Setup by Country](#)

The following NSAFT items are a part of this update (detailed descriptions below).

- Remapped Fields on AddressStructure (1261728)
- Character Limit Issue on String Fields (1261731)
- Temporary Removal of AnalysisPartyInfoStructure (1261733)
- Incorrect Data on StandardTaxCodes (1261735)
- Incorrect Data on Journal Types (1261737)
- Unable to Extract Vendors or Customers with Zero Balance (1269111)
- Tax Registration Number Automatically Appended with MVA (1284994)
- Small Amounts Show Due to Incorrect Number Formatting (1284996)
- BankAccountNumber and IBANNumber Displayed Simultaneously (1285104)
- Report Error when Calculating Exchange Rate (1293674)
- GeneralLedgerAccountID and AccountID Should Contain Control Account No. (1293677)
- Mandatory Elements Show Empty Value or "NA" When No Values are Entered (1293678)
- General Ledger Entries Transaction Type Not Visible on File (1293679)
- Incorrect Reporting Structure for Data Export (1293680)
- Incorrect Date Filtering on AR and AP Aging Queries (1293681)
- Exchange Rate is Not Visible in NSAFT XML File (1297599)

**The details of these items are provided below.**

## Remapped Fields on AddressStructure

### Deltek Tracking: 1261728

Previously, the system derived the mapping of the AddressStructure from the combination of name fields in the Company Information Card, Company Customer Information Card, and Company Vendor Information Card. The values could be incorrectly placed on the elements in the generated XML. This error is corrected. You can now fill out the fields properly. The following are updated in the AddressStructure:

#### Old Mapping:

- StreetName = Name2 + Name3 + Name4 + Name5
- Number = Name2
- Region = Name3
- AdditionalDetail = Name4 + Name5

#### New Mapping:

- StreetName = Name2 (Address 1 in WSC Company, Company Customer, and Company Vendor Card)
- Number = to Name3 (Address 2 in WSC Company, Company Customer, and Company Vendor Card)
- Region is now removed
- AdditionalDetail = Name4 (Address 3 in WSC Company, Company Customer, and Company Vendor Card)

**Note:** For the full list of current mappings, see the [Norwegian SAFT Report](#) section in Appendix B.

## Character Limit Issue on String Fields

### Deltek Tracking: 1261731

Previously, the generated NSAFT XML did not strictly follow the number of allowed characters on certain fields. This error is corrected. The system now truncates the characters that exceed the maximum length.

The following format is prescribed by NO SKATT:

#### Simple Types

Name	Description	Type	Example
SAFmonetaryType	Monetary amount.18 digits max, of which 2 can be fractional digits.	xs:decimal	1000.00
SAFexchangerateType	18 digits max, of which 8 can be fractional digits.	xs:decimal	1234.56789101
SAFquantityType	Used to describe a quantity. Monetary amount. 22 digits max, of which 6 can be fractional digits.	xs:decimal	123.456789
SAFweightType	Describes a weight. Monetary amount.14 digits max, of which 3 can be fractional digits.	xs:decimal	123.456
SAFcodeType	Text of max 9 characters.	xs:string	ABCDEF123
SAFshorttextType	18 character text.	xs:string	Lorem ipsum dolor
SAFmiddle1textType	35 character text.	xs:string	Lorem ipsum dolor sit ...
SAFmiddle2textType	70 character text.	xs:string	Lorem ipsum dolor sit ...
SAFlongtextType	256 character text.	xs:string	Lorem ipsum dolor sit ...
ISOCountryCode	Two-letter country code according to ISO 3166-1 alpha 2 standard.	xs:string	NO
ISOCurrencyCode	Three-letter currency code according to ISO 4217 standard.	xs:string	NOK

## Temporary Removal of AnalysisType TableStructure

### Deltek Tracking: 1261733

Previously, the AnalysisType table returned incorrect values for the sorted transactions. The structure is temporarily removed as it is an optional field.

*Optional*

#### AnalysisTypeTable

Table with the analysis code identifiers. Used for further specification of transaction data. Example: cost unit, cost center, project, department, provider, journal type, employees, etc. Journal type (bilagsart) should always be used on all transactions.  
 Optional. Element: AnalysisTypeTableEntry. Repetitions: 1..U

XML Element	Description	Type	Req/Rep.	Example
-------------	-------------	------	----------	---------

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## Incorrect Data on StandardTaxCodes

### Deltek Tracking: 1261735

Previously, the values for the StandardTaxCodes were predefined to one, 11, or NA but the actual standard tax codes were more than that. Now, NSAFT has a way of mapping tax codes with standard tax codes using **NSAFT** as the mandatory Option List Name. Tax codes are mapped using the matching Option List Name and standard tax codes in the **Remarks 1** field.

**Note:** See [Appendix C](#) for more information on tax codes and examples.

## Incorrect Data on Journal Types

### Deltek Tracking: 1261737

Previously, the value of the Journal Type in the XML was "A" by default, regardless of the finance transaction's journal type. This error is corrected. The values are now mapped accordingly.

The correct mapping is as follows:

General,	--	0	GL
Vendor_Invoice,	--	1	AP
Invoice_Reallocation,	--	2	A
Job,	--	3	A
Time_Sheet,	--	4	A
Expense_Sheet,	--	5	A
Customer_Reconciliation,	--	6	AR
Automatic_Customer_Payment,	--	7	AR
\Follow-up_Selection\,	--	8	A
Vendor,	--	9	AP
Payment,	--	10	AP
Invoice,	--	11	AR
Item_,	--	12	A

Job_Item,	-- 13	A
Asset,	-- 14	A
Bank_Reconciliation,	-- 15	A
Job_Reallocation,	-- 16	A
Job_Accrual,	-- 17	A
\G/L_Reallocation\,	-- 18	GL
Royalty,	-- 19	A
Import,	-- 20	A
Client_Account_Adjustment,	-- 21	AR
Job_Revenue_Recognition,	-- 22	A
Customer_Payment,	-- 23	AR
Unrealized_Exchange_Rate_Variance,	-- 24	GL
Job_Transfer,	-- 25	A
Interest_Charge_Notice,	-- 26	AR
\Reminder{Letter}\,	-- 27	AR
Collection,	-- 28	AR
Intercompany_Settlement_Vendor_Invoice,	-- 29	AP
Debtor_Provisions,	-- 30	AR
Tax_Settlement,	-- 31	GL
Intercompany_Interest_Note,	-- 32	GL
Intercompany_Grouping,	-- 33	GL
Job_Invoice_Allocation,	-- 34	A
Asset_Depreciation,	-- 35	A
Asset_Sale,	-- 36	A
Asset_Transfer,	-- 37	A
Asset_Relocation,	-- 38	A
Asset_Internal_Sale,	-- 39	A
Asset_Acquisition,	-- 40	A
Commission,	-- 41	A
Mileage_Sheet,	-- 42	A
Fixed_Price_Inclusion,	-- 43	A
\Job_Pre-Invoice_Reconciliation\,	-- 44	A
Gross_Pay	-- 45	GL

## Unable to Extract Vendors or Customers with Zero Balance

### Deltek Tracking: 1269111

Previously, the master data for customers, vendors, or suppliers were not included in the extract when they do not have entries for the period selected. This error is corrected. The master data for the transactions is complete, regardless of the period selected.

## Tax Registration Number Automatically Appended with MVA

### Deltek Tracking: 1284994

Previously, NSAFT automatically appended an "MVA" suffix to the tax registration no. of all companies. This error is corrected.

## Small Amounts Show Due to Incorrect Number Formatting

### Deltek Tracking: 1284996

Previously, small balances with many decimal places were visible due to incorrect number formatting. This error is corrected.

## BankAccountNumber and IBANNumber Displayed Simultaneously

### Deltek Tracking: 1285104

Previously, <BankAccountNumber> and <IBANNumber> were both displayed at the same time. This error is corrected. It now only displays either IBANNumber or BankAccountNumber with IBANNumber taking precedence over BankAccountNumber.

**Note:** For the full list of current mappings, see the [Norwegian SAFT Report](#) section in Appendix B.

## Report Error when Calculating Exchange Rate

### Deltek Tracking: 1293674

Previously, an exchange rate that had a value with infinite decimal places (1.33333) caused the export to fail. This error is corrected.

## GeneralLedgerAccountID and AccountID Should Contain Control Account No.

### Deltek Tracking: 1293677

Previously, the **GeneralLedgerAccountID** and **AccountID** fields did not contain the **Control Account No.** This error is corrected. Control Account No. is now included as part of both fields.

## Mandatory Elements Show Empty Value or "NA" When No Values are Entered

### Deltek Tracking: 1293678

Previously, mandatory elements showed either an empty value or "NA" when there were no values entered. To improve consistency, "NA" is now exclusively used on all mandatory items that do not include a value.

## General Ledger Entries Transaction Type Not Visible on File

### Deltek Tracking: 1293679

The **Transaction Type** field for General Ledger Entries was previously not displayed in the data export. When it did happen to display, it showed an incorrect value. This error is corrected.

## Incorrect Reporting Structure for Data Export

### Deltek Tracking: 1293680

The N-SAFT data export uses a reporting structure to group finance data. However, the reporting structure that was previously assumed was the same as the assumed setup for normal finance reporting like running Balance Sheet, Profit and Loss, and Trial Balance reports. This was incorrect because the

groups need to follow a certain chart of accounts defined by the Norwegian state. Usually, companies prefer not to adjust their standard finance reporting structure to that same grouping structure.

This error is corrected. The data export is changed to add **NSAFT** as one of the values that you can enter in the **Selected Value** field in the Reporting Structures workspace. This is assumed setup in Maconomy in order for the NSAFT report to function after the correction of this bug.

**Note:** See [Appendix D](#) for more details on Reporting Structures.

## Incorrect Date Filtering on AR and AP Aging Queries

**Deltek Tracking: 1293681**

Previously, the AR and AP Aging queries included amounts that were beyond the selected year-period. This error is corrected.

## Exchange Rate is Not Visible in NSAFT XML File

**Deltek Tracking: 1297599**

Previously, the <ExchangeRate> tag did not display in the NSAFT XML file. This error is corrected.

## Software Issues Resolved – iAccess

### Disappearing Rows in Long Tables

**Deltek Tracking: 1276088**

**Browsers:** IE11, Chrome, Safari, and Firefox

When working on tables with more than 25 rows, scrolling up previously caused some rows near the bottom to periodically disappear. This error is corrected.

### Lexer Error in Expressions With Multiple Quoted Popup Literals

**Deltek Tracking: 1253924**

**Browsers:** IE11, Chrome, Safari, and Firefox

Expressions with multiple quoted popup literals could not previously be parsed. This error is corrected.

### Virtual Tables Not Supported When Using Table Assistants

**Deltek Tracking: 1253939**

**Browsers:** IE11, Chrome, Safari, and Firefox

Tables with table assistants performed worse than tables without. This is now corrected.

## Cumulative Update 13 – May 07, 2020

### Release Summary

New in Cumulative Update 13			
Support case	Ticket	Type	Description
N/A	1265837	BPM	UK MTD Fraud Prevention Headers
N/A	1270573	Technology (TPU)	Native SSO Persisting Information in Login Session
200116-000605	1266475	BPM	UK Tax Submission Unable to Handle Different Calendar Years in Period Dates
N/A	1286936	BPM	Invalid User ID Header for Users with Special Characters in UK MTD
N/A	1267891	Technology (TPU)	APM Logging to Coupling Service Results in High CPU Overhead
180201-000408	1264288	Technology (TPU)	Notification Refresh Error
200303-000828	1281716	Technology (TPU)	Workspace Client False Errors
191009-000127	1266622	Technology (TPU)	Cannot Use '&' Sign in Search
New files released		Filesize	Checksum
DeltekMaconomyWSClient244GACU13.zip		745802 KB	<b>MD5:</b> 6d7e1afcedd7856e08d5f70d1c41a176
apu.w2000.sp104m.zip		860490 KB	<b>MD5:</b> b04cf713d0a3f444ed30b52ae96c59e5
spu.20_0.ia_UKTaxSubmission244CU13.sp104.tgz		182 KB	<b>MD5:</b> b07fc2ea5f23601f241029acc2a4269c
tpu.LINUX.20_0.p104m.tgz		935368 KB	<b>MD5:</b> cc79aae3121ceb27839c79a17f0188c2
tpu.NTx86.20_0.p104m.tgz		878985 KB	<b>MD5:</b> 49d21214a97aee18172539ad41d88102
Other current CU files*		Filesize	Checksum

fpu.iAccess.2.3.8-final-549987.tgz	30697 KB	<b>MD5:</b> fcbd1606c594796f7f3ddd775efd54db
rpu.cpa.20.0.104.12.zip	117477 KB	<b>MD5:</b> 3737df044ba3757716916880949da09a
rpu.standard.20.0.104.12.zip	117033 KB	<b>MD5:</b> e10ba5d573298cdc33eec646c01c85c3

*\*These files were released as part of a previous update but still apply to the latest CU.*

## Important TPU Notes for CU 13

The Workspace Client from CU13 is required for this update.

Deltek recommends that you always install the latest version of the Workspace Client in order to ensure compatibility with the most recent CUs.

## Software Enhancements – BPM

### UK MTD Fraud Prevention Headers

#### Deltek Tracking: 1265837

The UK Making Tax Digital (MTD) Report is enhanced to include fraud prevention headers to meet the requirements of the UK HM Revenue and Customs (HMRC). The fraud prevention headers are HTTP headers that help monitor and audit transactions to protect taxpayers' data from fraudulent activities. The UK Tax Submissions workspace now also enables companies to send these particular types of user audit data to HMRC.

The following header information are added:

Fraud Prevention Header	Value Description
Gov-Client-Connection-Method	The value for this header identifies the other headers that should be submitted to HMRC.  The specific value for Maconomy is <b>OTHER_DIRECT</b> .
Gov-Client-User-Agent	This value is a combination of the <b>Operating System Name/Operating System Version (System Manufacturer/System Model)</b> of the machine where Maconomy is currently installed.  <b>System Manufacturer</b> and <b>System Model</b> have their own setup in the UK Tax Submission instructions.
Gov-Client-Device-ID	This is the value derived from the Maconomy Installation No.
Gov-Vendor-Version	This is the value derived from the Maconomy major version regardless of CU installation.

Fraud Prevention Header	Value Description
Gov-Client-Timezone	The value is derived from the time zone of the machine where Maconomy is installed.
Gov-Client-User-IDs	This is the value derived from the user login name.
Gov-Client-Local-IPs	This value lists all local IP addresses available to the system where Maconomy is installed except Loopback addresses.
Gov-Client-Mac-Addresses	This value lists all local physical addresses available to the system where Maconomy is installed except Loopback addresses.
Gov-Vendor-License-IDs	This is the value derived and hashed from the customer's product key. The information is concealed before submission to HMRC.
Gov-Client-Multi-Factor	<p>This is the value derived from a Multi-Factor Authentication setup. If no Multi-Factor Authentication is set up, no data values are submitted to this header.</p> <p>Currently, TOTP or 2FA is only supported for this header value. If it is not included in your setup, we recommend that you set up 2FA in your Maconomy system to comply with HMRC's requirements on Multi-Factor Authentication.</p> <p><b>Note:</b> We also plan to review the following headers for inclusion later:</p> <ul style="list-style-type: none"> <li>▪ Azure</li> <li>▪ OneLogin</li> </ul> <p>If you use a header that is not in the list, please log a ticket with Customer Care so that our development team is aware.</p>

## Changes to Maconomy

The UK Tax Submissions single dialog workspace is updated.

## Setup in Maconomy

Set up in Maconomy for the UK MTD Tax Submission report includes System Parameter Setup.

## System Parameter Setup

To enable this feature:

1. In Maconomy, go to **System Setup » Parameters and Numbers » System Parameters**.
2. Double-click the **BPM Server REST API URL** parameter.

3. On the System Parameter sub-tab, enter the URL to the server in the **BPM Server REST API URL** field.
4. VAT data is calculated using **Tax Settlements Period**, by default. If you need to calculate VAT date using **Entry Dates**:
  - a. Double-click the **Use Entry Dates for UK Tax Submission (Making Tax Digital)** parameter.
  - b. On the System Parameter sub-tab, select the **Use Entry Dates for UK Tax Submission (Making Tax Digital)** check box.
5. Go to **Single Dialogs » Set-Up » Access Control » Groups** to set up or confirm access to the VAT Submissions and VAT Submission Entries windows.
6. Go to **Single Dialogs » Integrations » Integration Line**. Using the normal Extender process, add the following line to display in the GlobalMenu:

```
<Workspace title="UK Tax Submissions"
source="uktaxsubmission:UKTaxSubmissionVatSubmissions" />
```

7. Verify in the following binding to the **couplingconfiguration.mcs1.xml** file if the standard couplingconfiguration exists. Otherwise, add the following lines:

```
<Binding namespace="mtd">
  <Fields>
    <Field name="HmrcUrl" value="urlRef('mtdhmrcurl') defaultTo
''' />
    <Field name="ClientId" value="urlRef('mtdclientid') defaultTo
''' />
  </Fields>
</Binding>
```

**Note:** Ensure that there are no customized binding with the same namespace and fields as this result to an error when you run the report.

8. To enable logging, add the following statement to the logback.xml file (<Path to Maconomy installation>\CouplingService\configuration\logback.xml):

```
<logger name="com.deltek.maconomy.bpm.uktaxsubmission"
additivity="false">
  <level value="TRACE" />
  <appender-ref ref="FILE" />
</logger>
```

**Note:** Other level values available for debugging the errors and fraud header values: **ERROR, INFO.**

9. Add the following parameters to the Server.ini file (<Path to Maconomy installation>\CouplingService\server.ini):

```
url.mtdhmrcurl = <URL for MTD API>
url.mtdservertoken = <Maconomy server token>
```

```
url.mtdclientid = <Maconomy client ID>
url.mtdclientsecret = <Maconomy client secret>
url.mtdsysmanufacturer = <Machine System Manufacturer in the Computer
Information>
url.mtdsysmodel = <Machine System Model in the Computer Information>
```

Note: Contact PDM for these codes via the Deltek Customer Care/Services teams.

## Software Enhancements – Technology (TPU)

### Native SSO Persisting Information in Login Session

#### Deltek Tracking: 1270573

This enhancement consists of two improvements for UK MTD:

- UK MTD: Expose Registration Number in Server Settings (1270575)
- UK MTD: Expose Last Successful Login Timestamp on 2FA Accounts (1270576)

#### UK MTD: Expose Registration Number in Server Settings

The Registration number of the current installation is now included in the key-value map returned from `'com.maconomy.api.MiServerApi.getServerSettings()'`. The key for this number is `"installation.RegistrationNumber"`.

#### UK MTD: Expose Last Successful Login Timestamp on 2FA Accounts

The timestamp for the last successful validation of a Maconomy 2FA account is now accessible through the following class method:

```
'com.maconomy.coupling.login.McTOTPAuthentication.TOTPAccount#getLastSuccess(
)'
```

## Software Issues Resolved – BPM

### UK Tax Submission Unable to Handle Different Calendar Years in Period Dates

#### Deltek Tracking: 1266475

Previously, you could not create VAT Obligations when you entered different calendar years in the **From Date** and **To Date** fields in the UK Tax Submissions workspace. This error is corrected.

### Invalid User ID Header for Users with Special Characters in UK MTD

#### Deltek Tracking: 1286936

Previously, usernames with special characters were not handled correctly for header submission in UK MTD to HMRC. This error has been corrected.

## Software Issues Resolved – Technology (TPU)

### APM Logging to Coupling Service Results in High CPU Overhead

**Deltek Tracking: 1267891**

An issue was previously identified in the Maconomy server relating to how server-generated monitor log entries were transferred to the Coupling Service. The issue caused a delay in the completion of certain server operations, which then resulted in the consumption of CPU resources. This error is corrected.

### Notification Refresh Error

**Deltek Tracking: 1264288**

Previously, an error occurred intermittently when refreshing notifications. This occurred if the notification text was based on long string fields containing special characters like double quote (") or backslash (\). The error is corrected.

### Workspace Client False Errors

**Deltek Tracking: 1281716**

Previously, the Workspace Client had the potential to report false errors when executing requests. This error is corrected.

### Cannot Use '&' Sign in Search

**Deltek Tracking: 1266622**

Previously, it was not possible to search for phrases that included an '&' sign in the filter. This error is corrected.

## Cumulative Update 12 – Feb. 21, 2020

### Release Summary

New in Cumulative Update 12			
Support case	Ticket	Type	Description
200103-001254	1236616	Application (APU)	Create Favorite Action Does Not Synchronize Favorites
200103-001254	1236640	Application (APU)	Favorite Name Update Issue
N/A	1227449	BPM	Temporary Removal of Personal Information Report
N/A	1252661	iAccess	Inconsistent Behavior on Create Actions for Root Containers Exposed Over REST API
N/A	1252664	iAccess	Poor Performance in Large, Unvirtualized Tables
N/A	1248409	iAccess	Synchronous Notification Recalculation Requests
N/A	1248440	Technology (TPU)	Unnecessary Accept-Language Warnings
200208-000021	1249262	Technology (TPU)	PaperFormatInformation Cursor Not Closed
191030-000041	1214734	Technology (TPU)	MDML Field Expression Error
N/A	1249422	Tooling	Apply SQL Server Hints "WITH (ROWLOCK)"
New files released		Filesize	Checksum
DeltekMaconomyWSClient244GACU12.zip		745824 KB	<b>MD5:</b> 81440b68c50d024d2e841829d5e090d4
apu.w2000.sp104l.zip		859893 KB	<b>MD5:</b> 68ea7be5d725e0200b26fccc04207c1f
fpu.iAccess.2.3.8-final-549987.tgz		30697 KB	<b>MD5:</b> fcbd1606c594796f7f3ddd775efd54db
rpu.cpa.20.0.104.12.zip		117477 KB	<b>MD5:</b> 3737df044ba3757716916880949da09a
rpu.standard.20.0.104.12.zip		117033 KB	<b>MD5:</b> e10ba5d573298cdc33eec646c01c85c3

tpu.LINUX.20_0.p104l.tgz	935375 KB	<b>MD5:</b> 660a9d102f058796e8a0cf9d0d0744b0
tpu.NTx86.20_0.p104l.tgz	878974 KB	<b>MD5:</b> d3bc434b7896eb7a011909c040a3bef7
<b>Other current CU files*</b>	<b>Filesize</b>	<b>Checksum</b>
spu.20_0.ia_BPMStatutoryReporting244CU4.sp104.tgz	1266 KB	<b>MD5:</b> 77e4a38b5a693e32989898962dfdb5aa
spu.20_0.ia_UKTaxSubmission.sp104.tgz	172 KB	<b>MD5:</b> 30273926c504c6b5af945d9fa93be7a6

\*These files were released as part of a previous update but still apply to the latest CU.

## Important TPU Notes for CU 12

The Workspace Client from CU12 is required for this update.

Deltek recommends that you always install the latest version of the Workspace Client in order to ensure compatibility with the most recent CUs.

## Software Issues Resolved – Application (APU)

### Create Favorite Action Does Not Synchronize Favorites

**Deltek Tracking: 1236616**

The **Create Favorite** action on a daily time sheet line previously created and filled in the name of the favorite on a daily time sheet line, but not on the corresponding weekly time sheet line. Similarly, the **Create Favorite** action on a weekly time sheet line did not fill in the favorite name on the corresponding daily time sheet line. This error is corrected.

### Favorite Name Update Issue

**Deltek Tracking: 1236616**

If you previously changed the name of a favorite used on a submitted daily time sheet, the name was not updated on the daily time sheet line but was updated on the corresponding weekly time sheet line if it was submitted. This led to a system error if you approved, reopened or changed the daily time sheet. This error is corrected.

## Software Issues Resolved – BPM

### Temporary Removal of Personal Information Report

**Deltek Tracking: 1227449**

The **Personal Information** report that was introduced in Maconomy 2.4.3 had an incorrect access control. The report applied normal Maconomy access control so the user running the report was able to see employees that they had access to. However, this was not intended. The users should only be able to see data about themselves. This means that additional access control needs to be applied to the report filter.

This report is therefore temporarily removed until a more permanent fix is introduced.

## Software Issues Resolved – iAccess

### Synchronous Notification Recalculation Requests

**Deltek Tracking: 1248409**

**Browsers:** IE11, Chrome, Safari, and Firefox

Automatic recalculation of notifications happened synchronously. This could cause delays in the user interface. This error is corrected.

### Poor Performance in Large, Unvirtualized Tables

**Deltek Tracking: 1252664**

**Browsers:** IE11, Chrome, Safari, and Firefox

Large tables (those with 250 rows or more) were not virtualized properly. This caused updates and row actions to be very slow. This error is corrected.

### Inconsistent Behavior on Create Actions for Root Containers Exposed Over REST API

**Deltek Tracking: 1252661**

**Browsers:** IE11, Chrome, Safari, and Firefox

When you performed a create action in the table part of your root container including values for closed variables, the server responded with an error message stating that the variables are closed for editing. This error is corrected.

## Software Issues Resolved – Technology (TPU)

### Unnecessary Accept-Language Warnings

**Deltek Tracking: 1248440**

Systems using the REST API previously generated many warnings about Accept-Language being the kernel language. This was not necessarily an issue, so the reporting and subsequent warnings are minimized.

### PaperFormatInformation Cursor Not Closed

**Deltek Tracking: 1249262**

The one-time cursor read operation in 'MIR\_PageFormat::getPageFormats(void)' previously did not close the cursor. As a result, this cursor was leaked in the database session and became a long-running cursor operation in the database. This error is corrected.

### MDML Field Expression Error

**Deltek Tracking: 1214734**

When you previously referenced a field in the table pane from another pane as part of the title expression in MDML, this field was added in the list of available columns with the name "Untitled". The field should not be added to the list of columns if it is only used as part of the title expression. This error is corrected.

## Software Enhancements

### Apply SQL Server Hints "WITH (ROWLOCK)"

**Deltek Tracking: 1249422**

This enhancement allows SQL Server hints to apply a "WITH (ROWLOCK)" hint at the correct position within an SQL statement.

## Cumulative Update 11 – Jan. 17, 2020

### Release Summary

New in Cumulative Update 11			
Support case	Ticket	Type	Description
190814-000752	1221656	iAccess	Uneven and Jumping Scrolling in Tables
191121-000115	1224404	iAccess	Increased Memory Usage When Creating Time Sheet Lines
191105-000211	1226819	iAccess	E-mail in Employee Info Only Opens in New Tab or Window
N/A	1227544	Technology (TPU)	Column Reordering Issues When Using Restrictions
191122-000215	1210420	Technology (TPU)	Changing Formatting Preferences Requires Restart
190814-000050	1223278	Technology (TPU)	Server Connection Dialog Shown Incorrectly
New files released		Filesize	Checksum
DeltekMaconomyWSClient244GACU11.zip		745828 KB	<b>MD5:</b> f6fdcfa32acbba1e3e5f7c74627fa349
fpu.iAccess.2.3.7-final-546735.tgz		30672 KB	<b>MD5:</b> 113598cf44042d1d215192eebfafa72a
tpu.LINUX.20_0.p104k.tgz		935382 KB	<b>MD5:</b> 4ce73077a151092b0832122396117693
tpu.NTx86.20_0.p104k.tgz		878934 KB	<b>MD5:</b> a06b1a257c2cb31941ed293571736ee6
Other current CU files*		Filesize	Checksum
spu.20_0.ia_BPMStatutoryReporting244CU4.sp104.tgz		1266 KB	<b>MD5:</b> 77e4a38b5a693e32989898962dfdb5aa
spu.20_0.ia_UKTaxSubmission.sp104.tgz		172 KB	<b>MD5:</b> 30273926c504c6b5af945d9fa93be7a6
rpu.cpa.20.0.104.10.zip		117749 KB	<b>MD5:</b> 04fb53503a452faf28f0d5845fcb28bd
rpu.standard.20.0.104.10.zip		117228 KB	<b>MD5:</b> 2b3ffe902c477b6b40cf88c323ab4106

\*These files were released as part of a previous update but still apply to the latest CU.

## Important TPU Notes for CU 11

The Workspace Client from CU11 is required for this update.

Deltek recommends that you always install the latest version of the Workspace Client in order to ensure compatibility with the most recent CUs.

## Software Issues Resolved – iAccess

### Uneven and Jumping Scrolling in Tables

**Deltek Tracking: 1221656**

**Browsers: IE11, Chrome, Safari, and Firefox**

Previously, scrolling "jumped" and lagged even when all data was available on the client-side. Blank areas appeared when scrolling up and down. This was seen in time sheets with many rows when table assistants were open. This error is corrected.

### Increased Memory Usage When Creating Time Sheet Lines

**Deltek Tracking: 1224404**

**Browsers: IE11, Chrome, Safari, and Firefox**

Increased memory usage was previously noted when creating or navigating time sheet lines. This error is corrected.

### E-mail in Employee Info Only Opens in New Tab or Window

**Deltek Tracking: 1226819**

**Browsers: IE11, Chrome, Safari, and Firefox**

In Approvals and Time Sheet Overview, the email in the **Employee Info** area was only able to be opened in a new tab or window. Instead, the email should have been directly clickable. This error is corrected.

## Software Issues Resolved – Technology (TPU)

### Column Reordering Issues When Using Restrictions

**Deltek Tracking: 1227544**

Previously, using restrictions or reordering columns caused an issue when filtering. This error is corrected.

### Changing Formatting Preferences Requires Restart

**Deltek Tracking: 1221760**

Previously, changing the date format required a restart to take effect. The new date format should have automatically taken effect in the workspace instead. This error is corrected.

## Server Connection Dialog Shown Incorrectly

**Deltek Tracking: 1223278**

Previously, the connection dialog was shown during login even if the "Do not ask me again" checkbox was checked. This error is corrected.

## Cumulative Update 10 – Nov. 26, 2019

### Important Note

**MConfig 9.2.2 or later must be used when installing this update.**

### Release Summary

New in Cumulative Update 10			
Support case	Ticket	Type	Description
190926-001184	1206568	APU	'Time Sheet Not Submitted' Error When Using Approve All Action
191010-000625	1203247	APU	Duplicate Records in Job Entry Payment Information After Crediting
191010-000625	1203263	APU	Job Invoice Allocation Reversal Results in Performance Issues
N/A	1209794	APU	Invoicing From Budget Error
190617-001221	1209796	APU	Error When Editing Invoice Line During Invoice Preparation
N/A	1215082	TPU	Risk of Infinite Loop Due to Java Library Bug
N/A	1210420	TPU	BPM Performance Issue with BO Web Page JavaScript
180727-000113	1212647	TPU	Invoice Editing Panes are Empty After Performing Actions in Other Panes
190930-000045	1207204	BPM	Last Payment Date Shows Even if the Payment is After the Statement Date
New files released		Filesize	Checksum
DeltekMaconomyWSClient244GACU10.zip		745539 KB	<b>MD5:</b> e6b989fc454293961ef771cfe92a6e52
apu.w2000.sp104j.zip		859751 KB	<b>MD5:</b> e7a27ef7c6761aa16bd10c42cf0d0fb1
rpu.cpa.20.0.104.10.zip		117749 KB	<b>MD5:</b> 04fb53503a452faf28f0d5845fcb28bd
rpu.standard.20.0.104.10.zip		117228 KB	<b>MD5:</b> 2b3ffe902c477b6b40cf88c323ab4106

tpu.LINUX.20_0.p104j.tgz	935288 KB	<b>MD5:</b> 05f54c766ad46fa1aaf2cfaafafc3f5e
tpu.NTx86.20_0.p104j.tgz	878890 KB	<b>MD5:</b> 680e814d2c631dbfc45e3f901ca649cf
<b>Other current CU files*</b>	<b>Filesize</b>	<b>Checksum</b>
spu.20_0.ia_BPMStatutoryReporting244CU4.sp104.tgz	1266 KB	<b>MD5:</b> 77e4a38b5a693e32989898962dfdb5aa
spu.20_0.ia_UKTaxSubmission.sp104.tgz	172 KB	<b>MD5:</b> 30273926c504c6b5af945d9fa93be7a6

\*These files were released as part of a previous update but still apply to the latest CU.

## Important TPU Notes for CU 10

The Workspace Client from CU10 is required for this update.

Deltek recommends that you always install the latest version of the Workspace Client in order to ensure compatibility with the most recent CUs.

## Software Issues Resolved – Application (APU)

### 'Time Sheet Not Submitted' Error When Using Approve All Action

**Deltek Tracking: 1206568**

An error message previously appeared when trying to approve time sheet lines using the **Approve All** action in Approval Center in iAccess or from the Approve Time Sheet Lines by Employee dialog in the Workspace Client. The error occurred when the time sheet were changed after it was submitted and the change required a pre-approval. This error is corrected. Approval lines are now always marked as inactive if the time sheet is reopened and not submitted.

### Duplicate Records in Job Entry Payment Information After Crediting

**Deltek Tracking: 1203247**

When the Enable Payment when Paid system parameter was previously enabled, printing a blanket credit memo on account was slow due to an error in the update of the Job Entry Payment Information database table. Duplicate entries were created in this table when printing the credit memo. The extent of the duplication and therefore the performance degradation depended exponentially on the number of jobs on the blanket credit memo. This error is corrected.

### Job Invoice Allocation Reversal Results in Performance Issues

**Deltek Tracking: 1203263**

Printing a blanket credit memo on account was previously slowed down by duplicate records in the internal table Job Entry Payment Information. The extent of the performance degradation and duplication depended on the number of jobs on the invoice and the number of times you have reverted a job invoice allocation which covered entries from vendor invoices on vendors with payment terms where **Pay when paid** was selected. This error is corrected.

## Invoicing From Budget Error

### Deltek Tracking: 1209794

When you did invoicing from budget in the Invoice Preparation single dialog workspace, an error stating "Quantity and total billing price must have same sign" displayed when you prepared an invoice if there was a combination of positive and negative job budget lines on the same task. This error is corrected.

## Error When Editing Invoice Line During Invoice Preparation

### Deltek Tracking: 1209796

Previously, you received an invalid amount error when you attempted to edit invoice lines when preparing an invoice after approving the related job budget. This error is corrected.

## Missing Data Conversion of Settle via Vendor on Expense Sheet Line

### Deltek Tracking: 1218247

The field **Settle via Vendor** was introduced on expense or mileage sheet lines in 2.3.4 and 2.4.4/2.4.5. However, the field was not previously selected on any lines even when **Settle via Vendor** was selected on the activity selected on the line. This was an error.

The error can give rise to wrong posting depending on the state of expense sheets at the time of upgrade. The following scenarios are possible:

1. The expense/mileage sheet has been posted before upgrade. The error would result in wrong posting if you reopened the expense sheet and made changes that needed to be posted.
2. The expense/mileage sheet was created before upgrade but not posted. The error would result in wrong posting if you posted the journal.
3. The expense/mileage sheet was created before upgrade and posted after the upgrade. If this has happened, please contact Customer Care before installing this correction.

The correction selects the field **Settle via Vendor** on all expense and mileage sheets with an activity where the field **Settle via Vendor** is selected and where the expense sheet was created before the date of the upgrade where the field was added. This corrects (1) and (2) above.

## Software Issues Resolved – Technology (TPU)

### Risk of Infinite Loop Due to Java Library Bug

#### Deltek Tracking: 1215082

Due to a bug in the Java standard library, threads in the Dirmi thread pool could previously go into an infinite loop when writing data to the Workspace Client. The number of threads affected by this would increase over time and continue to consume CPU resources in the Coupling Service until the service was restarted. This error is corrected.

### BPM Performance Issue with BO Web Page JavaScript

#### Deltek Tracking: 1210420

Previously, there was slow or blocking performance of BO reports when changing between rows in filter and report panes. This error is corrected.

## Invoice Editing Panes are Empty After Performing Actions in Other Panes

**Deltek Tracking: 1212647**

Previously, the Workspace Client did not automatically update all panes correctly when performing actions in other panes. This error is corrected.

## Software Issues Resolved – BPM

### Last Payment Date Shows Even if the Payment is After the Statement Date

**Deltek Tracking: 1207204**

The AR Aging, AP Aging, WIP Aging, and corresponding Transactions reports previously wrongly included reconciliations after the statement date. This error is corrected.

# Cumulative Update 09— Nov. 20, 2019

## Important Note

**MConfig 9.2.2 or later must be used when installing this update.**

## Release Summary

New in Cumulative Update 9			
Support case	Ticket	Type	Description
191113-001087	1216765	APU	Release Time Sheet Action Does Not Work When Approval Hierarchies Are Enabled
New files released		Filesize	Checksum
apu.w2000.sp104i.zip		859406 KB	<b>MD5:</b> ece8cde8a58b17adfa4366528d5806b0
Other current CU files*		Filesize	Checksum
tpu.LINUX.20_0.p104g.tgz		935300 KB	<b>MD5:</b> 39f2349146083acc8298553dd06f5cfd
tpu.NTx86.20_0.p104g.tgz		878874 KB	<b>MD5:</b> 4a0e0ae63b909e49cf923b236881e351
rpu.cpa.20.0.104.3.zip		117661 KB	<b>MD5:</b> 1edbeaf4de6f15bdb51ddc0c1ff731f1
rpu.standard.20.0.104.3.zip		117115 KB	<b>MD5:</b> a8fb772401b93e408320a03e088c191b
spu.20_0.ia_BPMStatutoryReporting244CU4.sp104.tgz		1266 KB	<b>MD5:</b> 77e4a38b5a693e32989898962dfdb5aa
spu.20_0.ia_UKTaxSubmission.sp104.tgz		172 KB	<b>MD5:</b> 30273926c504c6b5af945d9fa93be7a6

\*These files were released as part of a previous update but still apply to the latest CU.

## Software Issues Resolved – Application (APU)

### Release Time Sheet Action Does Not Work When Approval Hierarchies Are Enabled

**Deltek Tracking: 1216765**

Starting with version 2.4.4, the **Release Time Sheet** action did not release time sheets when approval hierarchies were enabled for time sheet lines. This error is corrected. A new system parameter named **Release Time Sheet Irrespective of Line Approval Status** is introduced. By default, this

parameter is deselected. When the parameter is selected, the **Release Time Sheet** action allows you to release time sheets for posting even when they have not been released or approved and approval is required. A new system parameter named **Release Expense Sheet Irrespective of Line Approval Status** is introduced with the same effect for expense sheets.

## Cumulative Update 08— Nov. 12, 2019

### Important Note

**MConfig 9.2.2 is released with this CU. This new version must be used when installing this CU.**

### Release Summary

New in Cumulative Update 8			
Support case	Ticket	Type	Description
191031-000034	1210642	APU	Missing Data Conversion of Settle via Vendor on Expense Sheet Line
New files released		Filesize	Checksum
apu.w2000.sp104h.zip		859158 KB	<b>MD5:</b> eaafa7bb1840e58f7f2bace5331b543b
Other current CU files*		Filesize	Checksum
tpu.LINUX.20_0.p104g.tgz		935300 KB	<b>MD5:</b> 39f2349146083acc8298553dd06f5cfd
tpu.NTx86.20_0.p104g.tgz		878874 KB	<b>MD5:</b> 4a0e0ae63b909e49cf923b236881e351
rpu.cpa.20.0.104.3.zip		117661 KB	<b>MD5:</b> 1edbeaf4de6f15bdb51ddc0c1ff731f1
rpu.standard.20.0.104.3.zip		117115 KB	<b>MD5:</b> a8fb772401b93e408320a03e088c191b
spu.20_0.ia_BPMStatutoryReporting244CU4.sp104.tgz		1266 KB	<b>MD5:</b> 77e4a38b5a693e32989898962dfdb5aa
spu.20_0.ia_UKTaxSubmission.sp104.tgz		172 KB	<b>MD5:</b> 30273926c504c6b5af945d9fa93be7a6

\*These files were released as part of a previous update but still apply to the latest CU.

### Software Issues Resolved – Application (APU)

#### Missing Data Conversion of Settle via Vendor on Expense Sheet Line

**Deltek Tracking: 1209928**

The field **Settle via Vendor** was introduced on expense or mileage sheet lines in 2.3.4 and 2.4.4/2.4.5. However, the field was not previously selected on any lines even when **Settle via Vendor** was selected on the activity selected on the line. This was an error.

The error can give rise to incorrect posting depending on the state of expense sheets at the time of upgrade. The following scenarios are possible:

1. The expense/mileage sheet has been posted before upgrade. The error would result in wrong posting if you reopened the expense sheet and made changes that needed to be posted.
2. The expense/mileage sheet was created before upgrade but not posted. The error would result in wrong posting if you posted the journal.
3. The expense/mileage sheet was created before upgrade and posted after the upgrade. If this has happened, please contact Customer Care before installing this correction.

The correction selects the field **Settle via Vendor** on all expense and mileage sheets with an activity where the field **Settle via Vendor** is selected and where the expense sheet was created before the date of the upgrade where the field was added. This corrects (1) and (2) above.

# Cumulative Update 07 – Nov. 05, 2019

## Release Summary

New in Cumulative Update 7			
Support case	Ticket	Type	Description
191022-000154	1209676	TPU	Downgraded Workspace Performance
N/A	1210280	TPU	Adding Sub-Environments Does Not Work
New files released		Filesize	Checksum
DeltekMaconomyWSClient244GACU7.zip		745518 KB	<b>MD5:</b> a9502c3b02485a1a312448f9a9f7febe
tpu.LINUX.20_0.p104g.tgz		935300 KB	<b>MD5:</b> 39f2349146083acc8298553dd06f5cfd
tpu.NTx86.20_0.p104g.tgz		878874 KB	<b>MD5:</b> 4a0e0ae63b909e49cf923b236881e351
Other current CU files*		Filesize	Checksum
apu.w2000.sp104b.zip		858112 KB	<b>MD5:</b> 49f758f7aebec648b32eff70d5600d42
rpu.cpa.20.0.104.3.zip		117661 KB	<b>MD5:</b> 1edbeaf4de6f15bdb51ddc0c1ff731f1
rpu.standard.20.0.104.3.zip		117115 KB	<b>MD5:</b> a8fb772401b93e408320a03e088c191b
spu.20_0.ia_BPMStatutoryReporting244CU4.sp104.tgz		1266 KB	<b>MD5:</b> 77e4a38b5a693e32989898962dfdb5aa
spu.20_0.ia_UKTaxSubmission.sp104.tgz		172 KB	<b>MD5:</b> 30273926c504c6b5af945d9fa93be7a6
DeltekMaconomyWSClient244GACU6.zip		745519 KB	<b>MD5:</b> b560e0a58c7019f0cc4ee21dbc8bb739

\*These files were released as part of a previous update but still apply to the latest CU.

## Important TPU Notes for CU 7

The Workspace Client from CU7 is required for this update.

Deltek recommends that you always install the latest version of the Workspace Client in order to ensure compatibility with the most recent CUs.

## Software Issues Resolved – Technology (TPU)

### Downgraded Workspace Performance

**Deltek Tracking: 1209676**

Previously, opening table workspace layouts resulted in delays in performance issues in 2.4.4 and later versions. This error is corrected.

### Adding Sub-Environments Does Not Work

**Deltek Tracking: 1210280**

Previously, adding "sub" environments and then attempting to update environments did not work as expected. This error is corrected.

## Cumulative Update 06 – Oct. 25, 2019

### Release Summary

New in Cumulative Update 6			
Support case	Ticket	Type	Description
190524-000232	1196728	TPU	Intermittent Internal Error When Reorganizing Columns in Filters
N/A	1202349	TPU	Job Template Not Exported to Maconomy When Importing Relationship Job
N/A	1200523	iAccess	Distorted Input Fields in the Invoice on Account Workspace
N/A	1202876	iAccess	Wrong Date Format in Notifications
New files released		Filesize	Checksum
DeltekMaconomyWSClient244GACU6.zip		745515 KB	<b>MD5:</b> 3a4ac20b6329edea1223526855cc08a4
fpu.iAccess.2.3.6-final-542297.tgz		30671 KB	<b>MD5:</b> c317a2d6b22e60c886b1d1f3e387361f
tpu.LINUX.20_0.p104f.tgz		935315 KB	<b>MD5:</b> 8247ff018428e68093570e408e8402ee
tpu.NTx86.20_0.p104f.tgz		878850 KB	<b>MD5:</b> 61212c60735faf08cbac2b7adfb95db4
Other current CU files*		Filesize	Checksum
apu.w2000.sp104b.zip		858112 KB	<b>MD5:</b> 49f758f7aebec648b32eff70d5600d42
rpu.cpa.20.0.104.3.zip		117661 KB	<b>MD5:</b> 1edbeaf4de6f15bdb51ddc0c1ff731f1
rpu.standard.20.0.104.3.zip		117115 KB	<b>MD5:</b> a8fb772401b93e408320a03e088c191b
spu.20_0.ia_BPMStatutoryReporting244CU4.sp104.tgz		1266 KB	<b>MD5:</b> 77e4a38b5a693e32989898962dfdb5aa
spu.20_0.ia_UKTaxSubmission.sp104.tgz		172 KB	<b>MD5:</b> 30273926c504c6b5af945d9fa93be7a6
DeltekMaconomyWSClient244GACU5.zip		745519 KB	<b>MD5:</b> b560e0a58c7019f0cc4ee21dbc8bb739

\*These files were released as part of a previous update but still apply to the latest CU.

## Software Issues Resolved – Technology (TPU)

### Intermittent Internal Error When Reorganizing Columns in Filters

**Deltek Tracking:** 1196728

**Description:** An internal error about a missing MIdentifier previously occurred intermittently when reorganizing columns in filters. The error is corrected.

### Job Template Not Exported to Maconomy When Importing Relationship Job

**Deltek Tracking:** 1202349

**Description:** When previously importing a relationship job from CRM to Maconomy, the chosen job template selected in CRM was not exported to Maconomy. This error is corrected.

## Software Issues Resolved – iAccess

### Distorted Input Fields in the Invoice on Account Workspace

**Deltek Tracking:** 1200523

**Browser:** IE11

**Description:** The **For Invoicing**, **Preferred Invoice Date**, and **Invoice Currency** fields in the Invoice on Account tab did not display correctly. This is now fixed.

### Wrong Date Format in Notifications

**Deltek Tracking:** 1202876

**Browsers:** IE11, Chrome, Safari, and Firefox

**Description:** Notifications based on dates such as Submit Daily Timesheet did not navigate to the correct date. This error is corrected.

## Cumulative Update 05 – Oct. 11, 2019

### Release Summary

New in Cumulative Update 5			
Support case	Ticket	Type	Description
N/A	1195513	iAccess	Styling on Record Level is Not Allowed in the List View
190906-000192	1198416	iAccess	White Screen Shown at Login in IE11
New files released		Filesize	Checksum
fpu.iAccess.2.3.5-final-541650.tgz		30663 KB	<b>MD5:</b> 817a2e70af48396c8a359e7dd6bfb0ce
Other current CU files*		Filesize	Checksum
apu.w2000.sp104b.zip		858112 KB	<b>MD5:</b> 49f758f7aebec648b32eff70d5600d42
rpu.cpa.20.0.104.3.zip		117661 KB	<b>MD5:</b> 1edbeaf4de6f15bdb51ddc0c1ff731f1
rpu.standard.20.0.104.3.zip		117115 KB	<b>MD5:</b> a8fb772401b93e408320a03e088c191b
spu.20_0.ia_BPMStatutoryReporting244CU4.sp104.tgz		1266 KB	<b>MD5:</b> 77e4a38b5a693e32989898962dfdb5aa
spu.20_0.ia_UKTaxSubmission.sp104.tgz		172 KB	<b>MD5:</b> 30273926c504c6b5af945d9fa93be7a6
tpu.LINUX.20_0.p104c.tgz		935231 KB	<b>MD5:</b> 66b73d2e1ff62e90726723874dc5f872
tpu.NTx86.20_0.p104c.tgz		877614 KB	<b>MD5:</b> 309f2b116d51ca0b7c823eef8c966a65
DeltekMaconomyWSCClient244GACU4.zip		745519 KB	<b>MD5:</b> b560e0a58c7019f0cc4ee21dbc8bb739

\*These files were released as part of a previous update but still apply to the latest CU.

### Software Issues Resolved – iAccess

#### Styling on Record Level is Not Allowed in the List View

**Deltek Tracking:** 1195513

**Browsers:** IE11, Chrome, Safari, and Firefox

**Description:** Styling did not previously work at the record level in the list view. A validation error was thrown. This error is corrected.

## White Screen Shown at Login in IE11

**Deltek Tracking:** 1198416

**Browsers:** IE11

**Description:** Login previously failed on IE11 when users had a company defined on the user role card. This error is corrected.

## Cumulative Update 04 – Oct. 04, 2019

### Release Summary

New in Cumulative Update 4			
Support case	Ticket	Type	Description
190719-000642	1165365	iAccess	Amount Functions Not Evaluated in Notifications
190814-000757	1168358	iAccess	Incorrect Character Limit in String Field Error Message
N/A	1181420	iAccess	Calculated Fields Not Excluded from Check When Container Instance Expires
N/A	1181423	iAccess	Boolean Fields Disappear When Clicking Off Previously Selected Row
N/A	1185499	iAccess	Approve and Reject Buttons Disabled When Reopening or Editing Absence and Allowance
N/A	1187245	iAccess	maconomy:date() Function Does Not Work
New files released		Filesize	Checksum
fpu.iAccess.2.3.4-final-541088.tgz		30669 KB	<b>MD5:</b> edb3e1d2bb76fe4eb908c72466cb00a9
Other current CU files*		Filesize	Checksum
apu.w2000.sp104b.zip		858112 KB	<b>MD5:</b> 49f758f7aebec648b32eff70d5600d42
rpu.cpa.20.0.104.3.zip		117661 KB	<b>MD5:</b> 1edbeaf4de6f15bdb51ddc0c1ff731f1
rpu.standard.20.0.104.3.zip		117115 KB	<b>MD5:</b> a8fb772401b93e408320a03e088c191b
spu.20_0.ia_BPMStatutoryReporting244CU3.sp104.tgz		1266 KB	<b>MD5:</b> 77e4a38b5a693e32989898962dfdb5aa
spu.20_0.ia_UKTaxSubmission.sp104.tgz		172 KB	<b>MD5:</b> 30273926c504c6b5af945d9fa93be7a6
tpu.LINUX.20_0.p104c.tgz		935231 KB	<b>MD5:</b> 66b73d2e1ff62e90726723874dc5f872
tpu.NTx86.20_0.p104c.tgz		877614 KB	<b>MD5:</b> 309f2b116d51ca0b7c823eef8c966a65

DeltekMaconomyWSClient244GACU3.zip	745519 KB	<b>MD5:</b> b560e0a58c7019f0cc4ee21dbc8bb739
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*\*These files were released as part of a previous update but still apply to the latest CU.*

## Software Issues Resolved – iAccess

### Amount Functions Not Evaluated in Notifications

**Deltek Tracking:** 1165365

**Browsers:** IE11, Chrome, Safari, and Firefox

**Description:** Notifications with an amount in the summary previously showed the word "amount(..)" in the title. This error is corrected.

### Incorrect Character Limit in String Field Error Message

**Deltek Tracking:** 1168358

**Browsers:** IE11, Chrome, Safari, and Firefox

**Description:** String fields can contain a maximum of 255 characters. Previously, when a string field exceeded the maximum character limit, the error dialog displayed 0 instead of 255. This error is corrected.

### Calculated Fields Not Excluded from Check When Container Instance Expires

**Deltek Tracking:** 1181420

**Browsers:** IE11, Chrome, Safari, and Firefox

**Description:** Previously, it was not possible to specify which fields should be excluded from an integrity check performed after the expiration of a user session. This is now corrected so that this is now possible.

### Boolean Fields Disappear When Clicking Off Previously Selected Row

**Deltek Tracking:** 1181423

**Browsers:** IE11, Chrome, Safari, and Firefox

**Description:** Checkboxes in rows in tables previously disappeared after you set or selected fields in one row. All checkboxes in the table would no longer be editable or visible. This resulted in a confusing user experience. This error is corrected.

### Approve and Reject Buttons Disabled When Reopening or Editing Absence and Allowance

**Deltek Tracking:** 1185499

**Browsers:** IE11, Chrome, Safari, and Firefox

**Description:** Previously, the Approve and Reject buttons were disabled after reopening or editing an Absence or Allowance sheet. It was necessary to navigate to another workspace and back again in order for the buttons to be enabled again. This error is corrected.

## maconomy:date() Function Does Not Work

**Deltek Tracking:** 1187245

**Browsers:** IE11, Chrome, Safari, and Firefox

**Description:** The date() function was not previously supported in iAccess. This error is corrected.

## Cumulative Update 03 – Aug. 09, 2019

### Release Summary

New in Cumulative Update 3			
Support case	Ticket	Type	Description
N/A	1140453	BPM	NSAFT: Tax Registration Number Does Not Include "MVA" Suffix
N/A	1140454	BPM	NSAFT: Closing Credit Balance Not Paired with Opening Credit Balance
N/A	1140451	BPM	NSAFT: Bank Account Element is Missing on Suppliers and Customers Header
N/A	1158920	BPM	NSAFT: Derived value for Standard tax code is not showing on the data export
N/A	1154674	TPU	Workspace Client Does Not Update with Branding and Localization Updates
N/A	1142899	iAccess	Table content was not updated
New files released		Filesize	Checksum
rpu.cpa.20.0.104.3.zip		117661 KB	<b>MD5:</b> 1edbeaf4de6f15bdb51ddc0c1ff731f1
rpu.standard.20.0.104.3.zip		117115 KB	<b>MD5:</b> a8fb772401b93e408320a03e088c191b
spu.20_0.ia_BPMStatutoryReporting244CU3.sp104.tgz		1266 KB	<b>MD5:</b> 77e4a38b5a693e32989898962dfdb5aa
spu.20_0.ia_UKTaxSubmission.sp104.tgz		172 KB	<b>MD5:</b> 30273926c504c6b5af945d9fa93be7a6
tpu.LINUX.20_0.p104c.tgz		935231 KB	<b>MD5:</b> 66b73d2e1ff62e90726723874dc5f872
tpu.NTx86.20_0.p104c.tgz		877614 KB	<b>MD5:</b> 309f2b116d51ca0b7c823eef8c966a65
DeltekMaconomyWSCClient244GACU3.zip		745519 KB	<b>MD5:</b> b560e0a58c7019f0cc4ee21dbc8bb739
fpu.iAccess.2.3.3-final-537203.tgz		30666 KB	<b>MD5:</b> bc6567d0e3630b214fec5c4f553adbbe
Other current CU files*		Filesize	Checksum

apu.w2000.sp104b.zip	858112 KB	MD5: 49f758f7aebec648b32eff70d5600d42
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*\*These files were released as part of a previous update but still apply to the latest CU.*

## Important TPU Notes for CU 3

The Workspace Client from CU3 is required for this update.

Deltek recommends that you always install the latest version of the Workspace Client in order to ensure compatibility with the most recent CUs.

## Software Issues Resolved – BPM

### NSAFT: Tax Registration Number Does Not Include "MVA" Suffix

#### Deltek Tracking: 1140453

**Description:** Previously, in the NSAFT report, the tax registration number did not include the "MVA" suffix. This error is corrected. The tax registration number is now suffixed with MVA (e.g. 123456MVA), based on the requirement from the schema. Tax number and tax type are removed.

**Customers Impacted:** All.

**Workaround Before Fix:** None.

### NSAFT: Closing Credit Balance Not Paired with Opening Credit Balance

#### Deltek Tracking: 1140454

**Description:** Previously, **Closing Credit Balance** was partnered with **Opening Debit Balance**, which was incorrect. This error is corrected. When the opening or closing balance is zero, it now following the tag for its paired element (debit is paired to debit, and credit is paired to credit).

Example:

```
<OpeningCreditBalance>0</OpeningCreditBalance>
<ClosingCreditBalance>100</ClosingCreditBalance>
```

**Customers Impacted:** All.

**Workaround Before Fix:** None.

### NSAFT: Bank Account Element is Missing on Suppliers and Customers Header

#### Deltek Tracking: 1140451

**Description:** The bank account information was missing in the **Suppliers and Customers** headers in the NSAFT report. This error is corrected. The value of the Bank Account now shows in Company Customer and Company Vendor workspaces.

**Customers Impacted:** All.

**Workaround Before Fix:** None.

## Incorrect Standard Tax Code for SAFT Report

**Deltek Tracking:** 1158920

**Description:** Previously, the <StandardTaxCode> value did not show correctly in the SAFT report. This error is corrected. The <StandardTaxCode> value is changed from the concatenated value of standard tax codes from system information to 1 if the tax rate is 25, 11 if the tax rate is 15, and "NA", as default.

**Customers Impacted:** All.

**Workaround Before Fix:** None.

## Software Issues Resolved – Technology (TPU)

### Workspace Client Does Not Update with Branding and Localization Updates

**Deltek Tracking:** 1154674

**Description:** Previously, the Workspace Client did not automatically update with branding or localization changes that were deployed to the update site. This error is corrected.

**Customers Impacted:** Those using WSC versions 2.4.3 and 2.4.4.

**Workaround Before Fix:** None.

### Document Name Does Not Match Attached Document

**Deltek Tracking:** 1142899

**Description:** When previously attempting to attach a receipt in the Receipts tab of the Expenses workspace, the document name was not updated to match the name of the attached document.

**Customers Impacted:** All.

**Workaround Before Fix:** None.

## Cumulative Update 02 – July 12, 2019

### Release Summary

New in Cumulative Update 2			
Support case	Ticket	Type	Description
N/A	1134621	APU	Forced Redraw Occurs When Approving or Rejecting Line
N/A	1136845	APU	Approval Performance Improvements
N/A	1139692	APU	Missing Chinese Dictionary in 2.4.4
171207-000142	879248	TPU	Internal Error When Using Foreign Key with Switch Fields
N/A	1131663	TPU	Invalid Response Occurs for Container with Restricted Access Control
N/A	1134168	WSC	Missing Data When Opening Workspaces
N/A	1065463	iAccess	Document Viewer in iAccess
N/A	1127566	iAccess	Enter Key Saved Changes Without Reverting to Presentation Mode
N/A	1117145	iAccess	Enabling Long Text Broke Links
N/A	1143887	iAccess	Document Counter Missing When Long Text Was Enabled
New files released		Filesize	Checksum
apu.w2000.sp104b.zip		858112 KB	<b>MD5:</b> 49f758f7aebec648b32eff70d5600d42
fpu.iAccess.2.3.2-final-536312.tgz		30667 KB	<b>MD5:</b> 8163fb45851d165117aaa63604cfcfb2
tpu.LINUX.20_0.p104b.tgz		935216 KB	<b>MD5:</b> 82dc6cbebfd3a12266b2ec7100a1747d
tpu.NTx86.20_0.p104b.tgz		877557 KB	<b>MD5:</b> 3f0460a3c4b207f32432483ab82c6323
DeltekMaconomyWSClient244GACU2.zip		745503 KB	<b>MD5:</b> 1ae4abddd526a8a5743c93615d9d49d6

## Notes

The enhancements in this CU are added to the [Maconomy 2.4.4 Enhancements Guide](#). Refer to this guide for the full list of enhancements included in the 2.4.4 release.

The [iAccess Online Help](#) site is also updated to support this release.

## Important TPU Notes for CU 2

The Workspace Client from CU2 is required for this update.

Deltek recommends that you always install the latest version of the Workspace Client in order to ensure compatibility with the most recent CUs.

## Software Enhancements

### Document Viewer in iAccess

#### Deltek Tracking: 1065463

When a vendor invoice is registered in Maconomy, the registration often includes a scan of the invoice. Previously, the user would need to download the document to view it. This enhancement introduces a document viewer in iAccess, which automatically displays scanned invoices when you open the record. This functionality is available when working with records in the Invoice Allocation workspace, or reviewing records for approval in the Vendor Invoices tab or Invoice Allocation Lines tab in the Approval Center.

The Document Viewer displays scanned invoices in .PDF, .JPG, or .PNG format. If the invoice uses a supported file format (.txt, .rtf, and MS Office products), you can click the download icon to download it to your computer/device.

**Note:** In this version of iAccess, Safari on Mac, Internet Explorer, and Edge do not support this functionality. Click the download icon to download the scanned invoice to your computer/device.

Note that this feature only displays a scanned invoice that was attached when the record was created. The Document Viewer does not display documents you have uploaded as additional attachments to the record in the document archive. You can view these attachments by downloading them to your computer/device.

### Changes to iAccess

The document viewer is available in the following workspaces:

- Invoice Allocation workspace
- Approval Center

### Procedures

The following procedure is updated.

#### View Attachments on a Vendor Invoice

You can view documents attached to approval items.

**To view a document attached to a line:**

1. Go to **Approval Center workspace » Vendor Invoices tab**, or to **Approval Center workspace » Invoice Allocation Lines tab**.
2. Click the **View Details** icon on a line.
3. In the Documents sub-tab, click the link in the **Document** field of the line.  
The file is downloaded to your computer/device.

**Setup Instructions**

There are no changes to the usual procedures for setting up approval hierarchies.

## Approval Performance Improvements

**Deltek Tracking: 1136845**

The Approval Center is updated to improve performance for users with multiple approval lines. This includes the following changes in all approval tabs:

- An **Undo** action is added on the line to enable users to undo approval or rejection.
- The icons for approval, rejection, or undoing an action only display if the action is enabled.
- The confirmation dialog is removed for the **Approve** action.
- iAccess no longer hides table lines after you approve or reject them. The table line remains in the tab until you refresh the browser page, or toggle fields in the workspace to show or hide data.

**Procedures**

The following procedure is updated.

**Approve or Reject an Item**

Use these steps to approve or reject an approval item.

**To approve or reject an approval item:**

1. Go to one of the various tabs in the Approval Center workspace.
2. If you need to view more information about the approval item you are reviewing, click the **View Details** icon on the line for that approval item.
3. To approve the item:
  - a) Click the **Approve** icon on the line.
4. To reject the item:
  - a) Click the **Reject** icon on the line.  
The Reject Line wizard displays.
  - b) Enter a reason for the rejection. This is a required field.
  - c) Click **Reject**.
5. To undo approval or rejection of the item:
  - a) Click **Undo**.

iAccess automatically saves your changes. When you refresh the browser page, the approved/reject line is hidden. However, rejected lines remain displayed if you toggle on the **Show Rejected Lines** field.

## Setup Instructions

There are no changes to the usual procedures for setting up approval hierarchies.

## Software Issues Resolved – Application (APU)

### Forced Redraw Occurs When Approving or Rejecting Line

**Deltek Tracking:** 1134621

**Description:** When approving or rejecting a line in the Approval Center, the action previously ended with a forced redraw. This was an issue especially when many lines were populated. This error is corrected. In order to improve the performance of the dialogs used in the Approval Center, a refresh of the table no longer occurs each time a user approves, rejects, or resets a line. This will be noticeable especially for users approving many lines.

**Customers Impacted:** All.

**Workaround Before Fix:** None.

### Missing Chinese Dictionary in 2.4.4

**Deltek Tracking:** 1139692

**Description:** The Chinese dictionary was previously missing in version 2.4.4. This error is corrected.

**Customers Impacted:** All.

**Workaround Before Fix:** None.

## Software Issues Resolved – Technology (TPU)

### Internal Error When Using Foreign Key with Switch Fields

**Deltek Tracking:** 879248

**Description:** Certain queries previously lead to an internal error (and a 500 response) when using the REST API.

**Customers Impacted:** All.

**Workaround Before Fix:** Ensure that the "switch fields" for the foreign-key is part of the selection.

### Invalid Response Occurs for Container with Restricted Access Control

**Deltek Tracking:** 1131663

**Description:** When previously refreshing a dialog that was read-only for the current user, the partial response from the REST API contained an invalid linksPatch object. This error is corrected.

**Customers Impacted:** All.

**Workaround Before Fix:** None.

## Missing Data When Opening Workspaces

**Deltek Tracking:** 1134168

**Description:** Previously, data only partially loaded in the filter list of certain workspaces when you first opened them.

**Customers Impacted:** All.

**Workaround Before Fix:** Refresh the workspace.

## Software Issues Resolved – iAccess

### Enabling Long Text Broke Links

**Deltek Tracking:** 1117145

**Browsers:** IE11, Chrome, Safari, and Firefox

**Description:** Enabling long text in iAccess broke links to workspaces. The broken links either led the user to the wrong workspace, or caused iAccess to display an error message. This applied to links found in notifications, and links found in some wizards.

This item was reported as a Known Issue in version 2.4.4, but is now corrected.

**Customers Impacted:** All clients.

**Workaround Before Fix:** Manually fix the issue with a simple extension workaround. To fix links when using long text, prefix 'MaconomyLongText:' to the relevant workspace links and notifications. Hence, references to the "WeeklyTimeSheet" workspace should become "MaconomyLongText:WeeklyTimeSheet".

### Enter Key Saved Changes Without Reverting to Presentation Mode

**Deltek Tracking:** 1127566

**Browsers:** IE11, Chrome, Safari, and Firefox

**Description:** When working in Edit mode, you could press ENTER to save your changes, but iAccess would not return to Presentation mode. This was observed in all the workspaces where users could update card information. This error is corrected.

**Customers Impacted:** All clients.

**Workaround Before Fix:** None.

### Document Counter Missing When Long Text Was Enabled

**Deltek Tracking:** 1143887

**Browsers:** IE11, Chrome, Safari, and Firefox

**Description:** When long text was enabled, iAccess did not display the document counter in the Invoice Allocation workspace. This error is corrected.

**Customers Impacted:** All clients.

**Workaround Before Fix:** None.

## Cumulative Update 01 – June 14, 2019

### Release Summary

New in Cumulative Update 1			
Support case	Ticket	Type	Description
N/A	1118227	iAccess	Parsing Error Encountered on Mac and iPad
N/A	1118438	iAccess	SSO Not Working in iAccess
N/A	1131752	iAccess	Internal Error When Accessing Budgeting Workspace
181130-000321 181030-000181	1042301	WSC	Workspace Client Freezes During Login
N/A	1116314	TPU	Log ID is Truncated in Error Messages
N/A	1119556	TPU	500-Error for Unauthenticated Requests to Contain Endpoints
N/A	1120995	TPU	Internal Dialog Variables Listed as Hidden Fields
N/A	1121102	TPU	Filter Access Rules on Foreign Key Searches
N/A	1121112	TPU	Extension Code Execution Error in Table Rows
190603-000010	1128827	TPU	Null Pointer Exception in McContainerPaneValue
New files released		Filesize	Checksum
fpu.iAccess.2.3.1-final-535012.tgz		30658 KB	<b>MD5:</b> fdcb9013a9c694a2d2b17d735a1401dc
tpu.LINUX.20_0.p104a.tgz		935039 KB	<b>MD5:</b> e5afb6396115848ec5dc834c1aac2c4e
tpu.NTx86.20_0.p104a.tgz		877382 KB	<b>MD5:</b> 36d549f35810e9430ad888bb67f21f80
DeltekMaconomyWSClient244GACU1.zip		745504 KB	<b>MD5:</b> b0b54572e9e63f89bd4a607d993e3279

## Important TPU Notes for CU 1

The Workspace Client from CU1 is required for this update.

Deltek recommends that you always install the latest version of the Workspace Client in order to ensure compatibility with the most recent CUs.

## Software Issues Resolved – iAccess

### Parsing Error Encountered on Mac and iPad

**Deltek Tracking:** 1118227

**Description:** You could not previously go to the Invoice Allocation workspace using a Mac or iPad. Navigating to this workspace resulted in an internal error.

This item was reported as a Known Issue in version 2.4.4 but is now corrected.

**Customers Impacted:** All.

**Workaround Before Fix:** Use a different browser.

### SSO Not Working in iAccess

**Deltek Tracking:** 1118438

**Description:** SSO did not previously work in iAccess. This item was reported as a Known Issue in version 2.4.4 but is now corrected.

**Customers Impacted:** All.

**Workaround Before Fix:** Use domain login instead.

### Internal Error When Accessing Budgeting Workspace

**Deltek Tracking:** 1131752

**Description:** Previously, an internal error occurred when attempting to access the budgeting workspace. This error is corrected.

**Customers Impacted:** All.

**Workaround Before Fix:** None.

## Software Issues Resolved – Technology (TPU)

### Workspace Client Freezes During Login

**Deltek Tracking:** 1042301

**Description:** Previously, the Workspace Client would freeze or stall during login. Only moving the mouse or pressing a keyboard key would allow you to proceed with the login process. This error is corrected.

**Customers Impacted:** All.

**Workaround Before Fix:** Press a keyboard key or move the mouse.

## Log ID is Truncated in Error Messages

**Deltek Tracking: 1116314**

**Description:** Because error messages (check\_error, check\_fatal and check\_warning) can only show 255 characters in the dialog, the Log ID added at the end of the error message was previously at risk of being truncated. Unicode characters also impacted the length. Instead of being truncated, the error dialog should display the complete error message along with the Log ID. This error is corrected.

**Customers Impacted:** All.

**Workaround Before Fix:** Shorten the error message to 255 minus the length of the log ID string.

## 500-Error for Unauthenticated Requests to Contain Endpoints

**Deltek Tracking: 1119556**

**Description:** Previously, Unauthenticated requests to any container endpoint resulted in a 500-error. These requests should instead result in a "401 Unauthorized" response. This error is corrected.

**Customers Impacted:** All.

**Workaround Before Fix:** None.

## Internal Dialog Variables Listed as Hidden Fields

**Deltek Tracking: 1120995**

**Description:** In RESTv1, all variables defined in the dialogs were exposed in the specification and in the data responses. This was true regardless of whether or not they were part of the public API.

In RESTv2, the internal variables are no longer exposed in the data responses but are still present in the specification for the card as fields marked as "hidden": true.

These variables should not be present in the specification at all. This error is corrected. The hidden fields and the "hidden" property are removed from each field specification.

**Customers Impacted:** All.

**Workaround Before Fix:** None.

## Filter Access Rules on Foreign Key Searches

**Deltek Tracking: 1121102**

**Description:** Previously, filter access rules were applied to foreign key searches. This error is corrected. The foreign key search is now dismissed if the client does not have access to all relevant fields.

**Customers Impacted:** All.

**Workaround Before Fix:** None.

## Extension Code Execution Error in Table Rows

**Deltek Tracking: 1121112**

**Description:** When extensions were previously used for table panes in Maconomy, the extension code did not always execute for events that related to a record with an index higher than 128 in the table. This error is corrected.

**Customers Impacted:** Any customers with extensions associated with table panes.

**Workaround Before Fix:**

The JVM used to run the Maconomy Coupling Service should be configured with the -XX:AutoBoxCacheMax flag.

For example,

-XX:AutoBoxCacheMax=5000

would make this error appear only in cases where up to 5000 rows are in a table.

*Notice:* if you have specified the server-option

-rnnnn

the value should be set to *n*

You can find this setting in the MaconomyServer's .I-file in the IniFiles directory of the maconomy-home dir.

The default value (in case -r is not set) is 5000.

## Null Pointer Exception in McContainerPaneValue

**Deltek Tracking: 1128827**

**Description:** Previously, a null pointer exception occurred in McContainerPaneValue due to the transient modifier. This error is corrected.

**Customers Impacted:** All.

**Workaround Before Fix:** None.

## Known Issues

### NSAFT

#### Values Exceed Character Limit When Symbols are Included

**Defect 1412840 (Sev 2)**

NSAFT truncates strings that exceed the character limit. However, if it contains symbols: ampersand (&), less than (<), greater than (>), apostrophe ('), quotes ("), these characters are escaped which causes the string to exceed the character limit again.

#### Journal ID is Not Mapped to Journal No.

**Defect 1412860 (Sev 2)**

The <JournalID> element currently contains the hardcoded value 'A'. This is incorrect and should be mapped to Journal No.

#### Reserved Characters are Not Encoded for General Ledger Entries

**Defect 1413713 (Sev 2)**

The following characters: ampersand (&), less than (<), greater than (>), apostrophe('), double-quote (") are reserved characters for XML and should be escaped to the following values respectively: &amp;, &gt;, &lt;, &apos;, &quot;.

#### SupplierID and CustomerID Should Not Appear at the Same Time for Transaction Lines

**Defect 1413720 (Sev 2)**

<SupplierID> and <CustomerID> both appear at the same time if a transaction has reference to both a customer and a vendor. According to the schema, these two elements should not be used in conjunction with each other.

#### Account ID on General Ledger Entries Should Show Control Account No. for AR/AP Entries

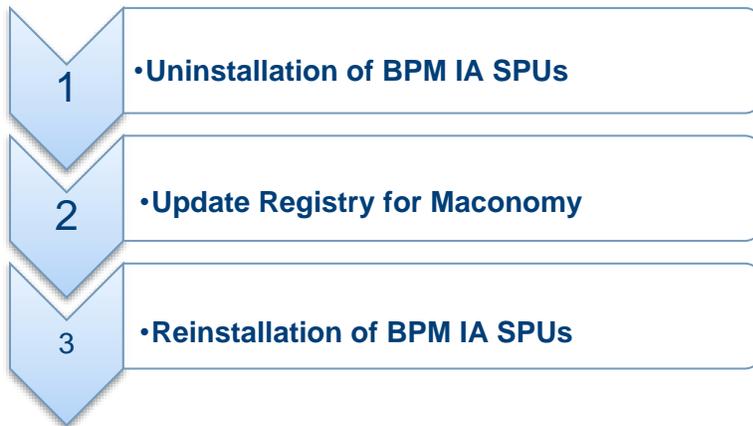
**Defect 1413727 (Sev 2)**

<AccountID> on transaction lines is only mapped to the Account No. It should be mapped to Control Accounts for AR and AP entries.

# Appendix A: BPM Statutory Reports Upgrade

To properly upgrade the Statutory Reports from either a major or a CU version, you must follow the instructions below:

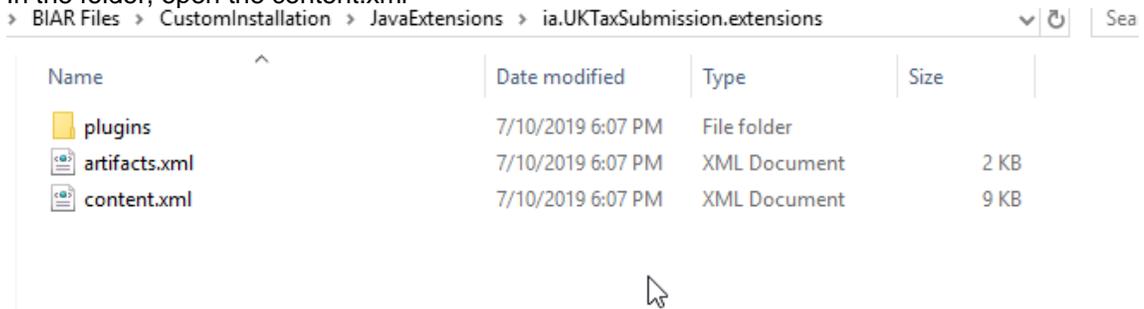
## Workflow of Upgrade



## Uninstallation of BPM IA SPUs

To be able to fully uninstall BPM Statutory Reporting extension, please note the following parameters:

- “ - -**uninstall-extensions**” - This Command only uninstalls custom extensions.
- “ - - **override-extension-features**” - This Command used in conjunction with the above command but has the <feature\_id> parameter.
- “<b>feature\_id</b> parameter” - This is used to get the feature ID of the IA SPU, we need to:
  1. Extract the SPU itself to .tar then to folder level.
  2. Go to the path and unzip  
“..\CustomInstallation\JavaExtensions\ia.UKTaxSubmission.extensions.zip”
  3. In the folder, open the content.xml



4. Copy the unit ID with the feature.group suffix.

Note: There will be other unit IDs per project; we need the unit ID of the whole feature.

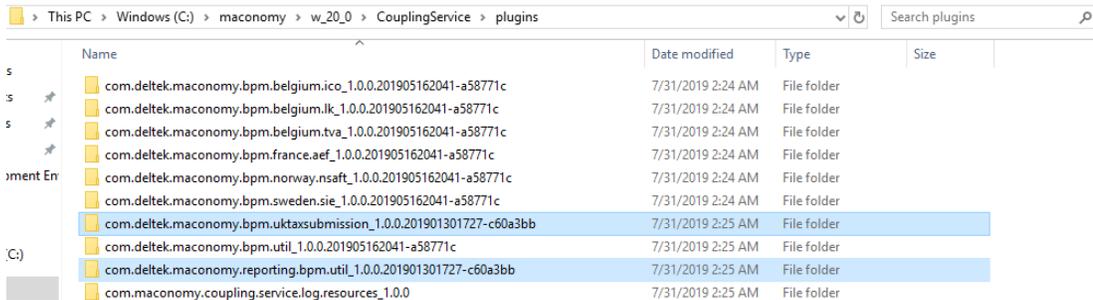
Appendix A: BPM Statutory Reports Upgrade

```
<?xml version="1.0" encoding="UTF-8"?>
<?metadataRepository version="1.1.0"?>
- <repository version="1.0.0" type="org.eclipse.equinox.internal.p2.metadata.repository.LocalMetadataRepository"
name="file:/C:/Users/CRYSTA~1/AppData/Local/Temp/MaconomyExtender/build/MEbuildTmp/buildRepo - metadata">
  <properties size="2">
    <property name="p2.timestamp" value="1562753256107"/>
    <property name="p2.compressed" value="false"/>
  </properties>
  <units size="3">
    <unit id="com.maconomy.ia.UKTaxSubmission.container.extensions.feature.group" version="1.0.0.201907101807-a508ba2" singleton="false">
      <update id="com.maconomy.ia.UKTaxSubmission.container.extensions.feature.group" severity="0" range="[0.0.0,1.0.0.201907101807-a508ba2]"/>
      <properties size="1">
        <property name="org.eclipse.equinox.p2.type.group" value="true"/>
      </properties>
      <provides size="1">
        <provided version="1.0.0.201907101807-a508ba2" name="com.maconomy.ia.UKTaxSubmission.container.extensions.feature.group"
          namespace="org.eclipse.equinox.p2.iu"/>
      </provides>
      <requires size="2">
        <required name="com.deltek.maconomy.bpm.uktaxsubmission" range="[1.0.0.201907101807-a508ba2,1.0.0.201907101807-a508ba2]"
          namespace="org.eclipse.equinox.p2.iu"/>
        <required name="com.deltek.maconomy.reporting.bpm.util" range="[1.0.0.201907101807-a508ba2,1.0.0.201907101807-a508ba2]"
          namespace="org.eclipse.equinox.p2.iu"/>
      </requires>
      <touchpoint id="null" version="0.0.0"/>
    </unit>
    <unit id="com.deltek.maconomy.reporting.bpm.util" version="1.0.0.201907101807-a508ba2" singleton="false">
      <update id="com.deltek.maconomy.reporting.bpm.util" severity="0" range="[0.0.0,1.0.0.201907101807-a508ba2]"/>
    </unit>
  </units>
</repository>
</metadataRepository>
```

5. Once done, follow the instructions below:

Example of uninstallation of an IA SPU (UK MTD statutory):

1. Run the command prompt as administrator.
2. Go to <Maconomy\_INST\_DIR>\<shortname>\CouplingService (Or where the CouplingService of the said maconomy installation is located).
3. Run this command (feature ID is only an example):  
 "CouplingService.exe --uninstall-extensions --override-extension-features **com.maconomy.ia.UKTaxSubmission.container.extensions.feature.group** -console --noexit"
4. Check if the plugins are already removed in the plugins folder. Otherwise, remove the **uktaxsubmission** and **reporting.bpm.util** in the plugins folder.(see highlighted example below)



5. Restart the Coupling Service.

**Note :**The IA SPU name is the same as the unit ID of the released BPM IA SPU. So for example the file **spu.20\_0.ia\_BPMStatutoryReporting244CU13.sp104.tgz** would have a feature ID of **com.maconomy.ia.BPMStatutoryReporting244CU13.container.extensions.feature.group**

This only pertains to removing the Java Extensions. The manual deletion of Workspace definition files and Dialog Layouts is a different story. You would still need to do that to completely wipe out remnants of the SPU.

6. Make sure that Workspace Definition and Dialog Layout files for BPM Statutory and UK Tax Submission are removed.
7. In the Maconomy Workspace Client, clear the Client Caching under **Preferences**.

8. Restart the Workspace Client.

## Update Registry of BPM IA SPU's for Maconomy

To remove further remnants of old version of BPM Statutory or UK MTD IA SPU's, follow the instructions below:

1. Run the Registry Editor.
2. Navigate to the folder below:

Computer\HKEY\_LOCAL\_MACHINE\SOFTWARE\WOW6432Node\PPU  
 Maconomy\MaconomyInstallation\Server\Applications\
 shortname>\OSGiProducts\Setup\

3. Find the **InstalledJavaExtensions** key value and edit.

 EnableSSLProxy	REG_SZ	0
 EnableTA	REG_SZ	0
 HasParallelCouplingService	REG_SZ	0
 <b>InstalledJavaExtensions</b>	REG_SZ	IA.UKTaxSubmission245CU10
 KerberosAccountPassword	REG_SZ	

4. Remove all instances of previous versions for BPMStatutoryReporting and/or UKTaxSubmission.

## Installation of new BPM IA SPU's

1. Run MConfig as Administrator
2. Select the shortname from which you want to install the new BPM IA SPU's.  
 Note: Installation of both BPMStatutoryReporting and UKTaxSubmission would require doing the succeeding steps twice.
3. Install the new version of BPMStatutoryReporting or UKTaxSubmission IA SPU.
4. Verify that the BPM Statutory Reporting and/or UKTaxSubmission jar files has been installed:

### For BPM Statutory Reporting:

**com.deltek.maconomy.bpm.belgium.ico\_<automatically\_generated\_version\_number>.jar**  
**com.deltek.maconomy.bpm.belgium.lk\_<automatically\_generated\_version\_number>.jar**  
**com.deltek.maconomy.bpm.belgium.tva\_<automatically\_generated\_version\_number>.jar**  
**com.deltek.maconomy.bpm.france.aef\_<automatically\_generated\_version\_number>.jar**  
**com.deltek.maconomy.bpm.norway.nsft\_<automatically\_generated\_version\_number>.jar**  
**com.deltek.maconomy.bpm.sweden.sie\_<automatically\_generated\_version\_number>.jar**  
**com.deltek.maconomy.bpm.util\_<automatically\_generated\_version\_number>.jar**

### For UK Tax Submission:

**com.deltek.maconomy.bpm.uktaxsubmission\_<automatically\_generated\_version\_number>.jar**

**com.deltek.maconomy.reporting.bpm.util\_<automatically\_generated\_version\_number>.jar**

5. Verify that the Dialog Layouts and Workspace Definition files have been installed successfully under the CustomizationDir/Extension folder.

## Appendix B: Statutory Reports Setup

To use statutory reports for any country, you must first set them up using the instructions below.

Beginning with 2.4.3, you must set up the Maconomy system parameters and coupling service to run all statutory reports.

**Important:** Proper setup must be followed or statutory reports will not work as intended.

### Workflow for Statutory Setup



### Statutory Setup Steps

#### Set Data Export Path and Server Timeout

1. In the Maconomy installation folder, go to the designated Coupling Service configuration folder in relation to the Maconomy shortname. (i.e. C:\Maconomy\<Maconomy Install DIR>\CouplingService\configuration).
2. Select and open the Server.ini file.
3. Locate server.timeout and change the value from 600 (default for 10 minutes) to 2400 (40 minutes).

4. Locate filepath.<file-path-id> = <file path> (This will serve as a template to the BPM export path.)
5. Create a new uncommented line following the template above and with the file path ID as bpmexportpath. (i.e. filepath.bpmexportpath=C:\BPMSTATFOLDER).
6. Save the file.
7. Restart the coupling service.

**Note:** You must use a local drive as BPM Statutory reports are created on the Maconomy server only.

## Update System Parameters for BPM

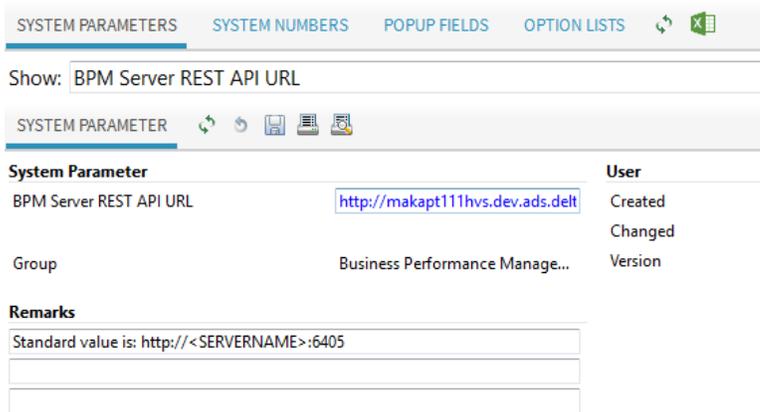
The statutory reports need to connect to a SAP BusinessObjects Server with the installed BPM package to be able to run.

### To set up these system parameters:

1. Open the **System Setup** workspace.
2. Go to the **Parameters and Numbers » System Parameter** to view the System Parameter tab.
3. Look for two BPM parameters as shown below:

System Setup				
SYSTEM INFORMATION		PARAMETERS AND NUMBERS	LINKING RULE	
SYSTEM PARAMETERS		SYSTEM NUMBERS	POPOP FIELDS	OPTION LISTS
Show: <input type="radio"/> System Parameters <input type="radio"/> Company Specific Parameters <input checked="" type="radio"/> All Parameters				
Now showing 1 - 2 of 2 results << Prev Next >>				
	Description	Group	Format	Allow Company Specific Parameter
✖	BPM			
1	BPM Server REST API URL	Business Performance Manag...	StringValue	
2	BPM Server URL	Business Performance Manag...	StringValue	

4. Select each parameter and update the URL textbox with the appropriate <http://Servername:Port>



5. Save both parameters.
6. Restart the Workspace Client.

## Enable Background Task

The statutory reports run as background tasks to extract huge amounts of data without compromising simultaneous entry in the Workspace Client. Background Tasks are enabled by default. Set the task duration as described below.

### To set the Task Duration:

1. Go to **Background Tasks » Management » System Defaults**.
2. In **Default Max. Task Duration**, enter **40** minutes.

## Additional SSI Setup

In addition to the SSI Setup detailed in the System Admin Guide, additional steps are necessary to allow Trusted Authentication in REST API to run the statutory reports.

### To configure Trusted Authentication for statutory reports:

1. On the BO server, log in to the Central Management Console (CMC) with administrative rights.
2. Go to **Servers** area of the CMC Client and open the properties for the Web Application Server.
3. In the **Command Line Parameters** textbox, look for the parameter - *Dbobj.trustedauth.home* and note down its corresponding value. This location will be used in **Step 5**. (i.e. "*Dbobj.trustedauth.home=C:/Program Files (x86)/SAP BusinessObjects/SAP BusinessObjects Enterprise XI 4.0/java/pjs/container/bin*")
4. Go to the **Authentication Management** area of the CMC Client, and on the Enterprise tab, scroll down to the Trusted Authentication section.
5. Under **Trusted Authentication**:
  - a. Click **Trusted Authentication is enabled**.
  - b. Click **New Shared Secret**.

- c. Enter the number of days for the **Shared Secret Validation Period** and timeout for the **Trusted Authentication** request. The recommendation is 1 day and 10000 milliseconds. You can refer to the BO manual for details.
- d. Click **Update** to save the settings.
- e. Reopen the **Enterprise tab**.
- f. Click **Download Shared Secret**. The File Download dialog box displays.
- g. Click **Save** and copy the **TrustedPrincipal.conf** file to:
  - <INSTALLDIR>\SAP BusinessObjects Enterprise XI 4.0\win32\_x86\
  - <INSTALLDIR>\SAP BusinessObjects Enterprise XI 4.0\win64\_x64\
  - The *Trusted Authentication Home* folder as mentioned in **Step 3** (i.e. *C:/Program Files (x86)/SAP BusinessObjects/SAP BusinessObjects Enterprise XI 4.0/java/pjs/container/bin*)
- h. Restart the SIA.

**Note:** There is a chance the generated Shared Secret will be too long and will cause an unnecessary line break. If this happens, generate a new Shared Secret.

After this is completed, you must enable **Trusted Authentication on the Coupling Service**. To do so:

1. Update the OSGi settings in MConfig.
2. Select the Trusted Authentication check box, and then copy the value of the shared secret inside TrustedPrincipal.conf to the Password from the preceding list.

## Restart Programs

After SSI setup, you must restart the following programs:

1. Tomcat
2. Server Intelligence Agent (SIA)

## Follow Country-Specific Instructions

1. Click Ctrl + F to search for the country.
2. Follow the country-specific instructions as needed.

## Appendix C: Setup by Country

### Belgium

See [Statutory Reports Setup](#) to begin.

#### Tax Declaration Report

Define tax declaration fields for the **Tax Declaration** report that lists financially posted amounts and their tax amounts, for a specific company and fiscal year. Maconomy automatically creates tax report records when posting amounts and each record has a field that states which tax declaration box to place the tax amount in the tax declaration.

#### Setup in Maconomy

To enable this feature:

1. Go to **System Setup » System Information » Finance**.
2. Select the **Extended Tax Reporting** parameter check box.
3. Go to **General Ledger » Tax » Tax Report Fields** and create the tax declaration fields.
4. Go to **General Ledger » Tax » Tax Report Specification** and specify the amounts that should go into the fields.
5. Perform postings as usual.

**Note:** If you need to reference the XML schema for the report, refer to *the Deltek BPM Description Guide*.

#### Setup in Tax Authority

Not applicable for this report.

### France

No setup is required.

### Norway

See [Statutory Reports Setup](#) to begin.

#### Norwegian SAFT Report

The use of Maconomy's Tax Settlement functionality must be in place for the Tax Information details to populate in the report, as required by Norwegian SKAT.

- The mapping fields below need to be filled in the appropriate dialogs, as provided. For example, the <Company> attribute means that the Company Information card has certain fields that must be completed, such as Company Registration No.
- Header information is populated via selection criterion or other means. You do not need to do anything for this area.

- Most of the fields should already be filled in the system. To confirm this, double-check each line to ensure that the fields are populated and the correct data is extracted in the report.

**Reference Materials**

**Note:** SKAT updates these documents periodically. Make sure you have downloaded the most recent versions.

<http://www.skatteetaten.no/no/Bedrift-og-organisasjon/frister-attester-og-regnskap/Bokforing-og-regnskap/standardformat-regnskap-saf-t/dokumentasjon/>

- Norwegian SAF-T Financial data – Documentation (this section)
- Norwegian SAF-T Financial data – Technical description (XML elements)
- Diagrams (picture files) of the XSD Schema
- Norwegian SAF-T Standard VAT codes

The export is based on the XML Schema – ([www.github.com/skatteetaten/saf-t](http://www.github.com/skatteetaten/saf-t))

**Note:** This version of the SAF-T data export is limited to the general ledger level, including customer and supplier transactions. Necessary master data is also included.

Tags (attributes indented)	Mapping
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>	
<AuditFile xmlns="urn:StandardAuditFile-Taxation-Financial:NO">	
<Header>	
<AuditFileVersion>	Hardcoded to '1.10'
<AuditFileCountry>	Company Contact Information \ [Country ISO]
<AuditFileDateCreated>	Current Date upon running the report
<SoftwareCompanyName>	Hardcoded to 'Deltek, Inc.'
<SoftwareID>	Hardcoded to 'Deltek Maconomy'
<SoftwareVersion>	[Current Main Version No.] + [Current Patch No.]
<Company>	
<RegistrationNumber>	Company Contact Information \ [Company Registration No.]
<Name>	Company Contact Information \ [Name 1]
<Address>	
<StreetName>	Company Contact Information \ [Name 2]
<Number>	Company Contact Information \ [Name 3]
<AdditionalAddressDetail>	Company Contact Information \ [Name 4]
<City>	Company Contact Information \ [Postal District]

Tags (attributes indented)	Mapping
<PostalCode>	Company Contact Information \ [Zip Code]
<Country>	Company Contact Information \ [Country ISO]
</Address>	
<Contact>	
<ContactPerson>	
<FirstName>	Hardcoded to 'NotUsed'
<LastName>	Company Contact Information \ [Employee Name 1] up to [Employee Name 5]
</ContactPerson>	
<Telephone>	Company Contact Information \ [Telephone]
<Fax>	Company Contact Information \ [Telefax]
<Email>	Company Contact Information \ [Text 10]
</Contact>	
<TaxRegistration>	
<TaxRegistrationNumber>	Company Contact Information \ [Company Registration No.]
<TaxAuthority>	Hardcoded to 'Skatteetaten'
<TaxVerificationDate>	Company Contact Information \ [Date 1]
</TaxRegistration>	
<BankAccount>	
<IBANNumber>	Company Contact Information \ [Giro]
<BankAccountNumber>	Company Contact Information \ [Bank]
<CurrencyCode>	Company Contact Information \ [Currency]
</BankAccount>	
</Company>	
<DefaultCurrencyCode>	Company Contact Information \ [Currency]
<SelectionCriteria>	
<CompanyEntity>	User Input. Company No.
<SelectionStartDate>	User Input. Date From

Tags (attributes indented)	Mapping
<SelectionEndDate>	User Input. Date To
</SelectionCriteria>	
<HeaderComment>	User Input. Header Comment
<TaxAccountingBasis>	Hardcoded to 'A'
<TaxEntity>	Company Contact Information \ [Text 9]
<UserID>	Employee name derived from the logged in user.
</Header>	
<MasterFiles>	
<GeneralLedgerAccounts>	
<Account>	
<AccountID>	Account \ [Account No.]
<AccountDescription>	Account \ [Account Name]
<StandardAccountID>	Account Grouping \ [Grouping Level 1]
<GroupingCategory>	Account Grouping \ [Grouping Level 2]
<GroupingCode>	Account Grouping \ [Grouping Level 3]
<AccountType>	Hardcoded to 'GL'
<AccountCreationDate>	Account \ [Date Created]
<OpeningDebitBalance>	Opening/Closing Balances \ [Opening Balance]
<OpeningCreditBalance>	Opening/Closing Balances \ [Opening Balance]
<ClosingDebitBalance>	Opening/Closing Balances \ [Closing Balance]
<ClosingCreditBalance>	Opening/Closing Balances \ [Closing Balance]
</Account>	
</GeneralLedgerAccounts>	
<Customers>	
<Customer>	
<RegistrationNumber>	General Information \ [Company Registration No.]
<Name>	Company Customer \ [Customer Name]

Tags (attributes indented)	Mapping
<Address>	
<StreetName>	Company Customer \ Contact Information \ [Name 2]
<Number>	Company Customer \ Contact Information \ [Name 3]
<AdditionalAddressDetail>	Company Customer \ Contact Information \ [Name 4]
<City>	Company Customer \ Contact Information \ [Postal District]
<PostalCode>	Company Customer \ Contact Information \ [Zip Code]
<Country>	Company Customer \ Contact Information \ [Country ISO]
</Address>	
<Contact>	
<ContactPerson>	
<FirstName>	Hardcoded to 'NotUsed'
<LastName>	Company Customer \ [Contact Person]
</ContactPerson>	
<Telephone>	Company Customer \ Contact Information \ [Telephone]
<Fax>	Company Customer \ Contact Information \ [Telefax]
<Email>	Company Customer \ Contact Information \ [E-mail]
</Contact>	
<TaxRegistration>	
<TaxRegistrationNumber>	Company Customer \ Contact Information \ [Tax No.]
<TaxAuthority>	Skatteetaten
</TaxRegistration>	
<BankAccount>	
<IBANNumber>	Company Customer \ Contact Information \ [Giro]
<BankAccountNumber>	Company Customer \ General Information \ [Bank Account]
<BIC>	Company Customer \ Contact Information \ [SWIFT Code]
<CurrencyCode>	Company Customer \ Contact Information \ [Currency]
<GeneralLedgerAccountID>	Company Customer \ General Information \ [Control Account No.]

Tags (attributes indented)	Mapping
</BankAccount>	
<CustomerID>	Company Customer \ [Customer No.]
<AccountID>	Company Customer \ General Information \ [Control Account]
<OpeningDebitBalance>	Balance \ [Balance - Company] -> filtered by Date From
<OpeningCreditBalance>	Balance \ [Balance - Company] -> filtered by Date From
<ClosingDebitBalance>	Balance \ [Balance - Company] -> filtered by Date To
<ClosingCreditBalance>	Balance \ [Balance - Company] -> filtered by Date To
<PartyInfo>	
<PaymentTerms>	
<Days>	(Company Customer \ Payment Terms \ [Payment Terms Months] * 30) + Company Customer \ Payment Terms \ [Payment Terms Days]
<CashDiscountDays>	Company Customer \ Cash Discount \ [Cash Discount Days]
<CashDiscountRate>	Company Customer \ Cash Discount \ [Discount %]
</PaymentTerms>	
<CurrencyCode>	Company Customer \ Contact Information \ [Currency]
</PartyInfo>	
</Customer>	
</Customers>	
<Suppliers>	
<Supplier>	
<RegistrationNumber>	Vendor General Information \ [Company Registration No.]
<Name>	Company Vendor \ [Vendor Name]
<Address>	
<StreetName>	Company Vendor \ Vendor Contact Information \ [Name 2]
<Number>	Company Vendor \ Vendor Contact Information \ [Name 3]
<AdditionalAddressDetail>	Company Vendor \ Vendor Contact Information \ [Name 4]
<City>	Company Vendor \ Vendor Contact Information \ [Postal Code]

Tags (attributes indented)	Mapping
<PostalCode>	Company Vendor \ Vendor Contact Information \ [Zip Code]
<Country>	Company Vendor \ Vendor Contact Information \ [Country ISO]
</Address>	
<Contact>	
<ContactPerson>	
<FirstName>	Hardcoded to 'NotUsed'
<LastName>	Company Vendor \ Vendor Contact Information \ [Attention]
</ContactPerson>	
<Telephone>	Company Vendor \ Vendor Contact Information \ [Telephone]
<Fax>	Company Vendor \ Vendor Contact Information \ [Telefax]
<Email>	Company Vendor \ Vendor Contact Information \ [E-mail]
</Contact>	
<TaxRegistration>	
<TaxRegistrationNumber>	Company Vendor \ Vendor Contact Information \ [Tax No.]
<TaxAuthority>	Hardcoded 'Skatteetaten'
</TaxRegistration>	
<BankAccount>	
<IBANNumber>	Company Vendor \ Vendor Contact Information \ [Giro]
<BankAccountNumber>	Company Vendor \ Vendor General Information \ [Bank Account]
<BIC>	Company Vendor \ Vendor Contact Information \ [SWIFT Code]
<CurrencyCode>	Company Vendor \ Vendor Contact Information \ [Currency]
<GeneralLedgerAccountID>	Company Vendor \ Vendor Contact Information \ [Control Account]
</BankAccount>	
<SupplierID>	Company Vendor \ [Vendor No.]
<OpeningDebitBalance>	Balance \ [Balance - Company] -> filtered by Date From
<OpeningCreditBalance>	Balance \ [Balance - Company] -> filtered by Date From
<ClosingDebitBalance>	Balance \ [Balance - Company] -> filtered by Date To

Tags (attributes indented)	Mapping
<ClosingCreditBalance>	Balance \ [Balance - Company] -> filtered by Date To
<PartyInfo>	
<PaymentTerms>	
<Days>	(Company Vendor \ Payment Terms \ [Payment Terms Months] * 30) + Company Vendor \ Payment Terms \ [Payment Terms Days]
<CashDiscountDays>	Company Vendor \ Cash Discount \ [Cash Discount Days]
<CashDiscountRate>	Company Vendor \ Cash Discount \ [Discount %]
</PaymentTerms>	
<CurrencyCode>	Company Vendor \ Vendor Contact Information \ [Currency]
</PartyInfo>	
</Supplier>	
</Suppliers>	
<TaxTable>	
<TaxTableEntry>	
<TaxType>	Hardcoded to 'MVA'
<Description>	Hardcoded to 'Merverdiavgift'
<TaxCodeDetails>	
<TaxCode>	Tax Code \ [Tax Code Name]
<EffectiveDate>	Tax Table \ [From Period]
<ExpirationDate>	Tax Table \ [To Period]
<Description>	Tax Code \ [Tax Type]
<TaxPercentage>	Tax Code [Tax Rate %]
<Country>	Tax Table \ [Country ISO]
<StandardTaxCode>	Mapping based on the <a href="#">Option List Setup</a>
<BaseRate>	Tax Code \ [Deduction %]
</TaxCodeDetails>	
</TaxTableEntry>	
</TaxTable>	

Tags (attributes indented)	Mapping
<AnalysisTypeTable>	
<AnalysisTypeTableEntry>	
<AnalysisType>	Hardcoded to 'P'
<AnalysisTypeDescription>	Hardcoded to 'Projekt'
<AnalysisID>	Job \ [Job No.]
<AnalysisIDDescription>	Job \ [Job Name.]
<StartDate>	Job \ [Created Date]
<EndDate>	Job \ [Acutal Ending Date]
<Analysis>	
<AnalysisType>	Hardcoded to 'PE'
<AnalysisID>	Hardcoded to 'PE'
</Analysis>	
</AnalysisTypeTableEntry>	
</AnalysisTypeTable>	
</MasterFiles>	
<GeneralLedgerEntries>	
<NumberOfEntries>	Count of the number of <Transaction> in the file ( <b>Note:</b> not entries)
<TotalDebit>	Total Sum of the (Actuals - Company \ [Debit - Company])
<TotalCredit>	Total Sum of the (Actuals - Company \ [Credit - Company])
<Journal>	
<JournalID>	Hardcoded to 'A'
<Description>	Actuals \ [Journal Type]
<Type>	Values 'A', 'AP', 'AR', or 'GL" based on the <a href="#">Journal Type</a>
<Transaction>	
<TransactionID>	Actuals \ [Transaction No.]
<Period>	Fiscal Period \ [Period]
<PeriodYear>	Fiscal Period \ [Fiscal Year]

Tags (attributes indented)	Mapping
<TransactionDate>	Actuals \ [Journal Date]
<SourceID>	Actuals \ [Journal Creator]
<TransactionType>	Automatic transfer code "Normal"/"Automated" <b>Note:</b> If Automatic Transfer Code =1, the value will be "Automated". If it = 0, it will be "Normal".
<Description>	Actuals \ [Transaction Type]
<BatchID>	Actuals \ [Journal No.]
<SystemEntryDate>	Actuals \ [Journal Date]
<GLPostingDate>	Posting Date \ [Posting Date]
<SystemID>	Auto-generated sequence number per Journal
<Line>	
<RecordID>	Auto-generated sequence number per Line
<AccountID>	Account \ [Account No.]
<SourceDocumentID>	Actuals \ [Journal No.]
<CustomerID>	Customer \ [Customer No.]
<SupplierID>	Vendor \ [Vendor No.]
<Description>	Actuals \ [Entry Text]
<DebitAmount>	<b>Note:</b> <DebitAmount> if balance is positive <CreditAmount> if balance is negative
<Amount>	Actuals \ Actuals - Company \ [Balance]
<CurrencyCode>	Currency \ [Original Currency]
<CurrencyAmount>	Actuals \ [Amount - Original]
<ExchangeRate>	Calculated as <Amount> ÷ <CurrencyAmount>
</DebitAmount>	
<TaxInformation>	
<TaxType>	Tax Code \ [Tax Type]
<TaxCode>	Tax Code \ [Tax Code Name]
<TaxPercentage>	Tax Code \ [Tax Rate %]

Tags (attributes indented)	Mapping
<TaxBase>	Settlement \ Basis Amounts \ Tax Basis \ [Tax Basis - Company]
<TaxAmount>	
<Amount>	Settlement \ Tax Amounts \ [Tax - Company]
<CurrencyCode>	Currency \ [Original Currency]
<CurrencyAmount>	Settlement \ Tax Amounts \ [Tax - Original]
</TaxAmount>	
</TaxInformation>	
<ReferenceNumber>	Settlement \ [Transaction No.]
<SystemEntryTime>	Dates \ [Entry Date]
</Line>	
</Transaction>	
</Journal>	

**Note:** This is the setup of IBAN and Bank Account Numbers:

- <IBANNumber> displays if it has a value, regardless if there is bank account.
- <Bank Account No.> displays if IBANNumber is blank and Bank Account has a value.
- If both tags are blank, <IBANNumber>NA</IBANNumber> displays.

### Enable Logging

To enable logging, add the following entries to logback.xml of the coupling service configuration:

```

<logger name="com.deltek.maconomy.bpm.norway.nsft"
additivity="false">
  <level value="DEBUG" />
  <appender-ref ref="FILE"/>
</logger>

<logger name="com.deltek.maconomy.bpm.util" additivity="false">
  <level value="DEBUG"/>
  <appender-ref ref="FILE"/>
</logger>

```

### Setup in Maconomy

To enable this report:

10. Go to **System Setup » Parameters and Numbers » System Parameters**.

11. Double-click the **BPM Server REST API** parameter.
12. On the System Parameter sub-tab, enter the IP and not DOMAIN address.
13. On the System Parameters tab, select the **BPM Server URL** parameter.
14. On the System Parameter sub-tab, enter the BPM server URL.

### Journal Type Mapping

Maconomy Journal Types	NSAFT Type
Asset	A
Asset Acquisition	A
Asset Depreciation	A
Asset Internal Sale	A
Asset Relocation	A
Asset Sale	A
Asset Transfer	A
Bank Reconciliation	A
Commission	A
Expense Sheet	A
Fixed Price Inclusion	A
Follow-up Selection	A
Invoice Reallocation	A
Item	A
Job	A
Job Accrual	A
Job Invoice Allocation	A
Job Item	A
Job Pre-Invoice Reconciliation	A
Job Reallocation	A
Job Revenue Recognition	A

Maconomy Journal Types	NSAFT Type
Job Transfer	A
Mileage Sheet	A
Royalty	A
Time Sheet	A
Intercompany Settlement Vendor Invoice	AP
Payment	AP
Vendor	AP
Vendor Invoice	AP
Automatic Customer Payment	AR
Collection	AR
Customer Payment	AR
Customer Reconciliation	AR
Debtor Provisions	AR
Interest Charge Notice	AR
Invoice	AR
Reminder	AR
G/L Reallocation	GL
General	GL
Gross Pay	GL
Intercompany Grouping	GL
Intercompany Interest Note	GL
Tax Settlement	GL
Unrealized Exchange Rate Variance	GL

### Import Bank Account Numbers for Customers

Bank Account No. is an optional field from Maconomy that you can leave empty for the Norwegian SAFT report. This field is not visible in the standard layout in the Customers workspace. To use the Bank Account No field, you must create an import file to fill the field with bank account numbers.

**Note:** The import file is only applicable in the Customers workspace.

To add bank account numbers:

1. Create a tab-separated data file with customer information, as shown.

```

ImportCustomerBankAccountNo.txt - Notepad
File Edit Format View Help
Customer:Format CustomerNumber Name1 Country BankAccount
Customer 10030 Statoil ASA Norway 123456789
    
```

2. In Maconomy, go to **Single Dialog > Import > Customer > Import Customers**.
3. On the Import Customers tab, select the **Internal Names**, **Progress Bar**, and **Logging** check boxes.
4. Click **Import**.
5. Select the import file.
6. In the Customers workspace, right-click in the customer table and select **Customize Columns**.
7. Select the **Bank Acct. No.** column. The values you imported into the Bank Acct. No. column are displayed.

### Import SWIFT Code for Customers and Vendors

SWIFT Code is not a visible field in the standard layout in the Customers and Vendors workspaces. You must use an import file to fill this field with bank account numbers.

To add bank account numbers:

1. Create a tab-separated data file with SWIFT code information, as shown.

```

1 Customer:Format CustomerNumber Name1 Country SWIFTCode
2 Customer 4470377113 Nice Homes Ltd. United Kingdom 192020393
3
    
```

2. Open the Customers or Vendors workspace:
  - a. Go to **Single Dialog > Import > Customer > Import Customers** to import the SWIFT code values into the Customers workspace.
  - b. Go to go to **Single Dialog > Import > Vendor > Import Vendors** to import SWIFT code into the Vendors workspace.
3. Select the **Internal Names**, **Progress Bar**, and **Logging** check boxes.
4. Click **Import**.
5. Select your import file.
6. Customize the layout to display the SWIFT column and values in the Customers and Vendors workspaces.

### Setup in Tax Authority

No setup is required.

### Reporting Structure for NSAFT

The NSAFT report uses a reporting structure to group finance data.

### Setup in Maconomy

#### To create a reporting structure for NSAFT:

1. Go to **Setup » System Setup » Parameters and Numbers » Option Lists**.
2. Click **+ New Option List**.
3. In the **Option List No.** field, enter **Finance**.
4. Click **Create**.
5. On the Options sub-tab, click **Add Option** or press **Ctrl + M**.
6. In the **Name** and **Description** fields, enter **NSAFT**.
7. Click **Save Option (Enter)**, then click **Save Option List (Enter)**.
8. Go to **Setup » Reporting » Reporting Structures**.
9. Click **+ New Reporting Structure**.
10. In the Create Reporting Structure dialog, enter the following setting:
  - **Type** — Accounts or Local Accounts
  - **Option List** — Finance
  - **Selected Value** — NSAFT
11. Click **Create**.
12. Insert group headers, sub-group headers to provide the desired account structure.
13. Add accounts to the individual groups of the reporting structure.

### Standard Tax Codes Mapping

NSAFT uses option list to map Maconomy tax codes with the [Standard Tax Codes](#) provided by the tax authority.

### Option List Setup in Maconomy

To create the mapping, follow these steps:

1. Go to **Setup » System Setup » Parameters and Numbers » Option Lists**.
2. Click **+ New Option List**.
3. In the **Option List No.** field, enter **NSAFT**.
4. Click **Create**.
5. On the Options sub-tab, click **Add Option** or press **Ctrl + M**.
6. In the **Name** fields, enter the tax code name (**Name** field from Tax Codes or G/L Tax Codes)
7. In the **Remarks 1** field, enter the corresponding standard tax code.

8. Click **Save Option (Enter)**, then click **Save Option List (Enter)**.

OPTION LIST		
<b>Option List</b>		<b>Access Level</b>
Option List No.	NSAFT	Access Level
Description		<b>User</b>

OPTIONS		
Name	Description	Remarks 1
1 25%		1
2 10%, Level 2		2
3 17,5%		3

Sample configuration

## Spain

See [Statutory Reports Setup](#) to begin.

### Include Tax for Debtor Provisions System Parameter

Set up the inclusion of tax in debt provisions for new customer entries or to update existing open customer entries. Enable this company-specific parameter to select whether tax should be included or excluded for debtor provisions.

Enter or select a date to update existing open customer entries without approved or posted debtor provisions to include tax. If you do not choose a date, all open customer entries without approved or posted debtor provisions are updated to include tax.

**Note:** Customer entries that already have approved debtor provisions are not affected by this parameter.

## Sweden

See [Statutory Reports Setup](#) to begin.

The Finance universe of BPM Reporting use reporting structures to structure and filter accounts. Sweden BPM reports require the setup of reporting structures. Refer to the *Reporting Structure for Finance Measures* section in the BPM Functional Setup Guide for more information.

### Sweden SIE Export

It is standard in some countries, like Sweden, for companies to transfer accounting data to accountants and auditing systems in the SIE text file format. The purpose of the report is to show details of the accounts balances. The SIE report shows the opening and closing of the balance sheet accounts and balances of the profit and loss accounts.

The new SIE report exports the following information in two SIE file formats:

- Year-end balance (SIE 1)
- All recorded transactions and vouchers (SIE 4 and 4i)

## Producing the Sweden SIE Report

1. In the Workspace Client, go to **Reporting » Reports » BPM Statutory Reporting » Sweden Statutory » SIE**
2. Enter the selection criteria for running the report and click **Run Report**.
3. You will receive a message stating “Background task created.” The file will be produced in the next 40 minutes.
4. To retrieve the file follow the steps in the next section.

## Retrieving the Sweden SIE Report

1. In the Workspace Client, go to **Reporting » Reports » BPM Statutory Reporting » Statutory Report Retrieval**
2. The report you produced will be listed in the Statutory reports available for retrieval tab (the report will take up to 40 minutes after you followed the production steps to appear in this list)
3. Click on the report in the list and click **Download report**.
4. Choose the location to which you want to save the report.

## Setup

The Finance universe of BPM Reporting use reporting structures to structure and filter accounts. Sweden BPM reports require the setup of reporting structures.

Please contact your Customer Success Manager if you require assistance in reporting structures.

## SIE Export

The report is created as an SE file. The name of the file is based on the file type (“1” for SIE 1 and “4” for SIE 4). For every header it will create a new line.

Field	Description	SIE Type 1	SIE Type 4
#FLAGGA	Flag item that specifies whether the file has been received by the recipient	Compulsory	Compulsory
#PROGRAM	The program that generated the file	Compulsory	Compulsory
#FORMAT	The character set that is used	Compulsory	Compulsory
#GEN	When and who generated the file. Dates are specified using the YYYYMMDD format	Compulsory	Compulsory
#SIETYP	The type of SIE format the file follows	Optional	Compulsory

Appendix C: Setup by Country

Field	Description	SIE Type 1	SIE Type 4
#ORGNR	CIN of the exported company	Optional	Optional
#ADRESS	Company address information	Optional	Optional
#FNAMN	Complete name of the exported company	Compulsory	Compulsory
#RAR	Financial year from which the exported data is retrieved	Compulsory <i>Items for both current and previous financial years are to be present. Previous year items can be omitted where these figures are not available.</i>	4I - Optional  4E - Compulsory <i>Items for both current and previous financial years are to be present. Previous year items can be omitted where these figures are not available.</i>
Chart of Accounts Information			
#KONTO	Account information	Compulsory	4I - Optional 4E - Compulsory
#SRU	RSV code for standardized accounts extract	Compulsory	Optional
#DIM	Dimension	Not Applicable	Optional
#UNDERDIM	Sub-dimension	Not Applicable	Optional
#OBJEKT	Object	Not Applicable	Optional
Balance Items/Verification Items			
#IB	Opening balance for balance sheet account	Compulsory <i>Items for both current and previous financial years are to be present. Previous year items can be omitted where these figures are not available.</i>	4I - Not Applicable  4E - Compulsory <i>Items for both current and previous financial years are to be present. Previous year items can be omitted where these</i>

Appendix C: Setup by Country

Field	Description	SIE Type 1	SIE Type 4
			<i>figures are not available.</i>
#UB	Closing balance for balance sheet account	Compulsory <i>Items for both current and previous financial years are to be present. Previous year items can be omitted where these figures are not available.</i>	4I - Not Applicable  4E - Compulsory <i>Items for both current and previous financial years are to be present. Previous year items can be omitted where these figures are not available.</i>
#RES	Balance item for a profit and loss account	Compulsory <i>Items for both current and previous financial years are to be present. Previous year items can be omitted where these figures are not available.</i>	4I - Not Applicable  4E - Compulsory <i>Items for both current and previous financial years are to be present. Previous year items can be omitted where these figures are not available.</i>
#VER	Verification item	Not Applicable	Optional
#TRANS	Transaction item	Not Applicable	Optional

Prompts

Prompt Title	Description	Mandatory
Charts of Account Type	Answering this prompt should restrict to only show accounts on the selected Charts of Account Type. Accepts single value.	Yes
Company No.	Answering this prompt should restrict to only show accounts on the selected company. Accepts single value.	Yes
Fiscal Year-Period (YYYY-MM)	Restricts account transactions on the specified period.	Yes

Prompt Title	Description	Mandatory
Number of Previous Year	Shows comparative years. If the user selects “0” then only current year will be shown, while user selects “1” it will shows current and previous year and so on.	Yes
Enter [1] for SIE 1 or Enter [4] for SIE 4	Shows what file type should be created. (“1” for SIE 1 and “4” for SIE 4)	Yes

## United Kingdom

See [Statutory Reports Setup](#) to begin.

### Making Tax Digital (MTD) Tax Submission Report

As of April 1, 2019, the UK HM Revenue and Customs (HMRC) tax authorities implemented the Making Tax Digital (MTD) process to use for various tax-related information, including submission of VAT returns.

The report also includes fraud prevention headers, which are HTTP headers that help monitor and audit transactions to protect taxpayers’ data from fraudulent activities. The UK Tax Submissions workspace enables companies to send these particular types of user audit data to HMRC.

#### Setup in Maconomy

**Notes:**

**Workspace Not Default** — The UK Tax Submissions workspace is not added to the Menu as default. Add the workspace per usual procedures, or engage Services as needed.

**Tax Settlement Setting** — The required setting for the UK MTD functionality is to use the Tax Settlement functionality in Maconomy. Otherwise, UK MTD will be able to produce any data in the Table for submission.

To enable this feature:

1. In Maconomy, go to **System Setup » Parameters and Numbers » System Parameters**.
2. Double-click the **BPM Server REST API URL** parameter.
3. On the System Parameter sub-tab, enter the URL to the server in the **BPM Server REST API URL** field.
4. VAT data is calculated using **Tax Settlements Period**, by default. If you need to calculate VAT date using **Entry Dates**:
  - a. Double-click the **Use Entry Dates for UK Tax Submission (Making Tax Digital)** parameter.
  - b. On the System Parameter sub-tab, select the **Use Entry Dates for UK Tax Submission (Making Tax Digital)** check box.

5. Go to **Single Dialogs » Set-Up » Access Control » Groups** to set up or confirm access to the VAT Submissions and VAT Submission Entries windows.
6. Go to **Single Dialogs » Integrations » Integration Line**. Using the normal Extender process, add the following line to display in the GlobalMenu:

```
<Workspace title="UK Tax Submissions"
source="uktaxsubmission:UKTaxSubmissionVatSubmissions" />
```

7. Verify in the following binding to the **couplingconfiguration.mcsi.xml** file if the standard couplingconfiguration exists. Otherwise, add the following lines:

```
<Binding namespace="mtd">
    <Fields>
        <Field name="HmrcUrl" value="urlRef('mtdhmrcurl') defaultTo
''' />
        <Field name="ClientId" value="urlRef('mtdclientid') defaultTo
''' />
    </Fields>
</Binding>
```

**Note:** Ensure that there are no customized binding with the same namespace and fields as this result to an error when you run the report.

8. To enable logging, add the following statement to the logback.xml file (<Path to Maconomy installation>\CouplingService\configuration\logback.xml):

```
<logger name="com.deltek.maconomy.bpm.uktaxsubmission"
additivity="false">
    <level value="TRACE" />
    <appender-ref ref="FILE" />
</logger>
```

**Note:** Other level values available for debugging the errors and fraud header values: ERROR, INFO.

9. Add the following parameters to the Server.ini file (<Path to Maconomy installation>\CouplingService\server.ini):

```
url.mtdhmrcurl = <URL for MTD API>
url.mtdservertoken = <Maconomy server token>
url.mtdclientid = <Maconomy client ID>
url.mtdclientsecret = <Maconomy client secret>
url.mtdsysmanufacturer = <Machine System Manufacturer in the Computer
Information>
url.mtdsysmodel = <Machine System Model in the Computer Information>
```

**Note:** Contact PDM for these codes via the Deltek Customer Care/Services teams.

### SSI Setup

Aside from the SSI Setup mentioned in the System Admin Guide, there are some additional steps needed for Trusted Authentication in REST API to be allowed in running the statutory reports.

To configure Trusted Authentication for statutory reports:

1. On the BO server, log in to the Central Management Console (CMC) with administrative rights.
2. Go to **Servers** area of the CMC Client and open the properties for Web Application Server.
3. In the **Command Line Parameters** textbox, look for the parameter - *Dbobj.trustedauth.home* and note down its corresponding value. (i.e. "- *Dbobj.trustedauth.home=C:/Program Files (x86)/SAP BusinessObjects/SAP BusinessObjects Enterprise XI 4.0/java/pjs/container/bin*")
4. Go to the **Authentication Management** area of the CMC Client, and on the Enterprise tab, scroll down to the Trusted Authentication section.
5. Under **Trusted Authentication**:
  - a. Click **Trusted Authentication is enabled**.
  - b. Click **New Shared Secret**.
  - c. Enter the number of days for the **Shared Secret Validation Period** and timeout for the **Trusted Authentication** request. The recommendation is 1 day and 10000 milliseconds, but refer to the BO manual for details.
  - d. Click **Update** to save the settings
  - e. Reopen the **Enterprise tab**.
  - f. Click **Download Shared Secret**.
  - g. In the File Download dialog box, click **Save** and copy the TrustedPrincipal.conf file to:

<INSTALLDIR>\SAP BusinessObjects Enterprise XI 4.0\win32\_x86\

<INSTALLDIR>\SAP BusinessObjects Enterprise XI 4.0\win64\_x64\

The Trusted Authentication Home folder as mentioned in Step 3.

**Note:** There is a chance the generated Shared Secret is too long that it causes an unnecessary line break. If this happens, generate a new Shared Secret.

After this is completed, you must enable **Trusted Authentication on the Coupling Service**. To do so:

3. Update the OSGi settings in MConfig.
4. Select the Trusted Authentication check box, and then copy the value of the shared secret inside TrustedPrincipal.conf to the Password from the preceding list.

### Setup in Tax Authority

**If you have not done so already, you must register with HMRC as either a filer or an agent using the following links before you can use this functionality in Maconomy.**

**Filers:** <https://www.gov.uk/guidance/use-software-to-submit-your-vat-returns>

**Agents:** <https://www.gov.uk/guidance/agents-use-software-to-submit-vat-returns>

**Note:** Direct any questions about your filing status to your tax advisors or HMRC, as Deltek does not act in an advisory capacity in this area.

### Testing

If you need to test the UK MTD functionality, contact Deltek Customer Care/Services.

### Set Up Country Code Fields

For UK companies that sell and receive goods/services from an EU member state, such as Northern Ireland, you can set up a country code to specify this.

1. Go to **Single Dialogs » Set-Up » Set-up » Countries » Countries**.
2. Click **+New Country Code**.
3. In the **Name** field, enter Northern Ireland.
4. Under **Country Code**, use the same code for United Kingdom.
5. Select the **Member of EU** checkbox.
6. Click **Save**.

### Set Up Tax Codes for Northern Ireland Protocols

1. Go to **General Ledger » Tax » Tax Codes (or G/L Tax Code)**.

**Note:** For G/L tax codes, you must edit the layout of the MDML file. Please contact Services as needed for assistance.

2. Under **Country**, select Northern Ireland.
3. Click **Save**.

**Attention:** For EU transactions, see [Setup for EU Tax Acquisitions on Tax Code](#).

## UK PVA and RCM

### Setup in Maconomy

Set up in Maconomy for UK PVA and RCM includes:

- Popup Field Setup
- Popup Type Setup
- EU Acquisition Setup
- System Parameter Setup

### Popup Field Setup

To be able to report and display the correct tax related information into UK MTD, you must set up the following popup fields with their corresponding values for PVA and RCM.

This table is provided as an overview. Specific steps are provided below.

Popup Field	Name Value	Boolean 1 Value
<b>Tax Popup 1</b>	Goods	<b>true</b>
	Services/Non-Goods	<b>false</b>
	Gold RCM	<b>true</b>
	Services/Non-Goods RCM	<b>false</b>
	Mobile phones and Computer Chips RCM	<b>true</b>
	Telecom cellular service RCM	<b>false</b>
<b>Tax Popup 2</b>	PVA	<b>true</b>
<b>Tax Type</b>	PVA	

### Determining Transactions for Reverse Charge Mechanism

The functionality assumes the ability to distinguish additional transactions for reverse charge mechanism. However, this distinction is not available in Maconomy, aside from determining as to which transaction is for goods or services. In order to account for this, the following setup instructions include values needed for Tax Popup 1.

### Determining Goods Transactions

The functionality assumes the ability to distinguish transactions between goods and other kinds of transactions. This is needed for boxes 2, 8 and 9. However, this distinction is not available in Maconomy. This also considers transactions that are for reverse charge mechanism.

To account for this, the following conditions should be setup depending on the transactions:

Field	Boolean 1 value
<b>Goods transactions</b> (Goods, Gold RCM, Mobile phones and Computer chips RCM)	<b>true</b>
<b>NonGoods transactions</b> (Services/NonGoods, Services RCM, Telecom cellular service RCM)	<b>false</b>

### Set Up Values for Tax Popup 1

1. Go to **Single Dialogs »Set-Up »Set-up » Popup Fields**.
2. Search for **Tax Popup 1** and open it.
3. Under **Values**, make sure that the following setup is in place:

<b>Name</b>	<b>Boolean 1</b>
-------------	------------------

Goods	<input checked="" type="checkbox"/>
NonGoods	<input type="checkbox"/>
Gold RCM	<input checked="" type="checkbox"/>
Mobile phones and Computer chips RCM	<input checked="" type="checkbox"/>
Services RCM	<input type="checkbox"/>
Telecom cellular service RCM	<input type="checkbox"/>

4. Make any necessary changes and save.

**Note:** Gold RCM value should also be used for transactions on Gold for PVA.

#### Set Up Values for Tax Popup 2

1. Go to **Single Dialogs »Set-Up »Set-up » Popup Fields**.
2. Search for **Tax Popup 2** and open it.
3. Under **Values**, make sure that the following setup is in place:

Name	Boolean 1
PVA	<input checked="" type="checkbox"/>

4. Make any necessary changes and save.

#### Set Up Values for Tax Type

1. Go to **Single Dialogs »Set-Up »Set-up » Popup Fields**.
2. Search for **Tax Type** and open it.
3. Under **Values**, make sure that the following setup is in place:

Name
PVA

4. Make any necessary changes and save.

#### Set Up Tax Codes for Tax Popup 1 and 2 and Tax Type

1. Go to **General Ledger » Tax »Tax Codes (or G/L Tax Code)**.  
 Note: For G/L tax codes, you must edit the layout of the MDML file. Please contact Services as needed for assistance.
2. Under the Extra Fields section of the Tax Code sub-tab, select the appropriate value from **Popup 1**. This includes the Goods, NonGoods, and values related to RCM.
3. Under **Tax Type**, select PVA for Tax Codes used under the PVA rule. Otherwise, leave blank.

4. Perform the same steps for **Popup 2**.

**Warning: Tax Code setup for previously posted transactions will still be displayed in the report historically. Only newly posted transactions will fetch the new setup for these tax codes.**

### EU Acquisition Setup

**Note:** When setting up EU Acquisition, it is necessary to use the **EU Tax Rate** for the Tax Code instead of the normal Tax Rate field.

To be able to report on MTD as well as changes for PVA and RCM, the EU Acquisition check box should be setup for transactions on either of the following conditions:

- Transactions that should be included for the VAT Due Acquisitions field (Box 2)
- Transactions for Reverse Charge Mechanism

**Note:** Acquisition Tax for RCM will not be displayed in Box 2. Instead, see RCM Box definitions and uses.

To setup this up, follow the steps below:

1. Go to **Tax Code/GL Tax Code**.
2. Select the appropriate tax code that needs to be set up.
3. In the Card Pane for Tax Code, select the **EU Acquisition** checkbox.

### System Parameter Setup

**Note:** This pertains to UK MTD as a whole. If you have not already enabled this, follow these steps.

To enable using Entry Dates for MTD instead of Tax Settlement Periods, follow the steps below:

1. Go to **System Setup » Parameters and Numbers » System Parameters**.
2. Double-click the **Use Entry Dates for UK Tax Submission (Making Tax Digital)** parameter.
3. On the System Parameter sub-tab, [select / deselect] the **Use Entry Dates for UK Tax Submission (Making Tax Digital)** check box.

Parameter	Description
Use Entry Dates for UK Tax Submission (Making Tax Digital)	Select this parameter to <u>report on MTD based on Entry Dates</u> .  Deselect this parameter to <u>report on MTD based on Tax Settlement Periods</u> .

### Setup in UK Tax Authority

No additional setup is required.

### Country-Specific Setup

No additional setup is required.

## United States

See [Statutory Reports Setup](#) to begin.

### 1099 Misc Report

Set up a 1099 Misc option list for vendors who need to report 1099-Misc income.

#### Setup in Maconomy

To configure Maconomy to use the 1099 report:

1. Go to **System Setup » Parameters and Numbers » Options Lists » Options List** to open the Option Lists workspace.
2. Click **New Option List**.
3. In the **Option List No.** field, enter **1099 Misc**.
4. In the **Description** field, enter a brief description for the option list.
5. Click **Create** and then complete the required fields on the Option List tab.
6. In the Options sub-tab, add the options for the 1099 Misc option list.

To set up vendors to include on the 1099 Misc report:

Note: Vendor invoices should already be created.

1. Go to **Single Dialogs » Accounts Payable » Set-up » Vendor Information Card** to open the Vendor Information Card workspace.
2. Select a vendor.
3. In the 1099 Reporting island on the Vendor Information Card sub-tab, select the **Disclosable** check box.
4. In the **Option List 1** field, select **1099 Misc**.
5. In the **Statistics 1** field, select an option.

#### Setup in Tax Authority

No setup required.

### 1099 NEC Report

#### Setup in Maconomy

To configure Maconomy to use the 1099-NEC report:

1. Go to **Setup » System Setup » PARAMETERS AND NUMBERS » OPTION LISTS** to open the Option Lists workspace.
2. Click **New Option List**.
3. In the **Option List No.** field, enter **"1099 Nec"**.
4. In the **Description** field, enter a brief description for the option list.
5. Click **Create** and then complete the required fields on the Option List tab.
6. Double-click the created option list.

- In the Options sub-tab, add the options for the 1099 Nec option list. Each option represents a specific box number of the 1099 Nec form. Complete the following fields for each box:

Name: Fill in the name of the box.

Remark 1: Fill in the box number.

Remark 2: Fill in an integer representing the amount limit.

Remark 3: Fill in the G/L account used for Withholding tax. Note that the G/L account should have "Transfer to Vendor" enabled.

Also note, that if employees are used as vendors, the activities they post on must have "Settle via Vendor" enabled.

See the **1099-NEC Option List Values** section for information for specific values to enter for this report.

### 1099-NEC Option List Values

To populate the 1099-NEC Option list, enter the following details:

LINE	OPTION	VALUE TO ENTER
1	Name	Nonemployee Compensation
	Description	Nonemployee Compensation
	Remark1	1 (corresponds to the box on the 1099 form)
	Remark2	Number representing the amount limit (For example. 600)
	Remark3	G/L Account used for withholding tax
2	Name	Federal Income Tax Withheld
	Description	Federal Income Tax Withheld
	Remark1	4 (corresponds to the box on the 1099 form)
	Remark2	Number representing the amount limit (For example. 600)
	Remark3	G/L Account used for withholding tax
3	Name	State Tax Withheld
	Description	State Tax Withheld
	Remark1	5 (corresponds to the box on the 1099 form)
	Remark2	Number representing the amount limit (For example. 600)
	Remark3	G/L Account used for withholding tax
4	Name	State Payers State No.
	Description	State Payers State No.
	Remark1	6 (corresponds to the box on the 1099 form)

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	Remark2	Number representing the amount limit (For example. 600)
	Remark3	G/L Account used for withholding tax
5	Name	State Income
	Description	State Income
	Remark1	7 (corresponds to the box on the 1099 form)
	Remark2	Number representing the amount limit (For example. 600)

Vendor Setup

To set up vendors to include on the 1099-NEC report:

Note: Vendor invoices should already be created.

1. Go to **Accounts Payable » Vendors**. Select a vendor, then go to Information tab.  
OR  
Go to **Single Dialogs » Accounts Payable » Set-up » Vendor Information Card** to open the Vendor Information Card workspace.
2. Select a vendor.
3. In the General Information island of the Vendor Information Card sub-tab or Information tab, select the **Disclosable** check box.
4. In the Print Control island, in the **Statistics 1 Value** field enter the name of the option defined above.
5. In the **Statistics 1 List** field, select "Nec 1099".

**Note:** A vendor can only be assigned to **one** option in the Statistics 1 field. This means that each vendor can only be defined for trades that goes into **one** 1099 Nec box. If this is not sufficient (e.g. if a vendor sends invoices related to e.g. Rent and invoices related to healthcare), it must be handled by defining two different vendors assigned to each of these categories. Also note that 1099 MISC report has a similar setup for vendors.

## Appendix D: Tax Codes

The following are examples of Norwegian SAFT tax codes.

### VatTypes

PopuItem:KEYFIELDS	PopuType	Name								
PopuItem:FORMAT	PopuType	PopuItemNumber	Name	String1	String2	String3	Integer1	Integer2	Boolean1	
PopuItem	VATType	#Keep	Post 1	Samlet omsetning utenfor merverdiavgiftsloven			0	0	0	
PopuItem	VATType	#Keep	Post 2	Samlet omsetning og uttak innenfor merverdiavgiftsloven og innførsel			0	0	0	
PopuItem	VATType	#Keep	Post 3	Innenlands omsetning og uttak, og beregnet avgift 25%			0	0	1	
PopuItem	VATType	#Keep	Post 4	Innenlands omsetning og uttak, og beregnet avgift 15%			0	0	1	
PopuItem	VATType	#Keep	Post 5	Innenlands omsetning og uttak, og beregnet avgift 10%			0	0	1	
PopuItem	VATType	#Keep	Post 6	Innenlands omsetning og uttak fritatt for merverdiavgift			0	0	1	
PopuItem	VATType	#Keep	Post 7	Innenlands omsetning med omvendt avgiftsplikt			0	0	1	
PopuItem	VATType	#Keep	Post 8	Utførsel av varer og tjenester fritatt for merverdiavgift			0	0	1	
PopuItem	VATType	#Keep	Post 9	Innførsel av varer, og beregnet avgift 25%			0	0	1	
PopuItem	VATType	#Keep	Post 10	Innførsel av varer, og beregnet avgift 15%			0	0	1	
PopuItem	VATType	#Keep	Post 11	Innførsel av varer som det ikke skal beregnes merverdiavgift av			0	0	1	
PopuItem	VATType	#Keep	Post 12	Tjenester kjøpt fra utlandet, og beregnet avgift 25%			0	0	1	
PopuItem	VATType	#Keep	Post 13	Innenlands kjøp av varer og tjenester, og beregnet avgift 25%			0	0	1	
PopuItem	VATType	#Keep	Post 14	Fradragsberettiget innenlands inngående avgift 25%			0	0	1	
PopuItem	VATType	#Keep	Post 15	Fradragsberettiget innenlands inngående avgift 15%			0	0	1	
PopuItem	VATType	#Keep	Post 16	Fradragsberettiget innenlands inngående avgift 10%			0	0	1	
PopuItem	VATType	#Keep	Post 17	Fradragsberettiget innførselsmerverdiavgift 25%			0	0	1	
PopuItem	VATType	#Keep	Post 18	Fradragsberettiget innførselsmerverdiavgift 15%			0	0	1	

### FinanceVatCode

FINANCEVATCODE:Format	Name	VATRate	RatioNumber	VATDirection	VATNature	VATType	VATTypeEUAcquisitionVAT	EUAcquisitionVATCode	EUAcquisitionVATRate	FinanceAccountVAT	FinanceAccountEU VAT
FINANCEVATCODE	0 Ingen mvabehandling (anskaffelser)	0	0	Receivable						2710	0
FINANCEVATCODE	1 Fradrag for inngående mva	25	100	Receivable		Post 14				2710	0
FINANCEVATCODE	11 Fradrag for inngående mva	15	100	Receivable		Post 15				2710	0
FINANCEVATCODE	12 Fradrag for inngående mva	11.11	100	Receivable		Post 15				2710	0
FINANCEVATCODE	13 Fradrag for inngående mva	10	100	Receivable		Post 16				2710	0
FINANCEVATCODE	14 Fradrag for innførselsmva	25	100	Receivable		Post 17				2710	0
FINANCEVATCODE	15 Fradrag for innførselsmva	15	100	Receivable		Post 18				2710	0
FINANCEVATCODE	21 Grunnlag ved innførsel av varer	25	0	Receivable						2710	0
FINANCEVATCODE	22 Grunnlag ved innførsel av varer	15	0	Receivable						2710	0
FINANCEVATCODE	23 Grunnlag ved innførsel av varer	0	0	Receivable						2710	0
FINANCEVATCODE	81 Innførsel av varer med fradrag for innførselsmva	0	100	Receivable		Post 17	Post 9	1	25	2700	2709
FINANCEVATCODE	82 Innførsel av varer uten fradrag for innførselsmva	0	0	Receivable		Post 17	Post 9	1	25	2700	2709
FINANCEVATCODE	83 Innførsel av varer med fradrag for innførselsmva	0	100	Receivable		Post 18	Post 10	1	15	2700	2709
FINANCEVATCODE	84 Innførsel av varer uten fradrag for innførselsmva	0	0	Receivable		Post 18	Post 10	1	15	2700	2709
FINANCEVATCODE	85 Innførsel av varer som det ikke skal beregnes merverdiavgift av	0	100	Receivable		Post 11		1	0	2700	2709
FINANCEVATCODE	86 Tjenester kjøpt fra utlandet med fradrag for mva	0	100	Receivable		Post 17	Post 12	1	25	2710	2709
FINANCEVATCODE	87 Tjenester kjøpt fra utlandet uten fradrag for mva	0	0	Receivable		Post 17	Post 12	1	25	2710	2709
FINANCEVATCODE	88 Tjenester kjøpt fra utlandet med fradrag for mva	0	100	Receivable		Post 17	Post 12	1	10	2710	2709
FINANCEVATCODE	89 Tjenester kjøpt fra utlandet uten fradrag for mva	0	0	Receivable		Post 17	Post 12	1	10	2710	2709

## Appendix D: Tax Codes

### VatCode

VATCODE:Format	Name	VATRate	SpecialTaxRate	VATTypeVATSubj	VATTypeExport	VATNatureVATSubj	VATNatureExport	FinanceAccountIncoming	FinanceAccountOutgoing	FinanceAccountTax	FinanceAccountSetOffAccount	AccessLevelName
VATCODE	Mva-fritt	0		Post 6	Post 6	Utførsel	Utførsel	2710	2700			
VATCODE	Standard pliktig	25		Post 3	Post 6	Mva pliktig	Utførsel	2710	2700			
VATCODE	Utenfor avgiftsområdet	0		Post 1	Post 1	Mva fritt	Mva fritt	2710	2700			
VATCODE	Mva-fritt Utland	0		Post 8	Post 8	Utførsel	Utførsel	2710	2700			

### OptionList TaxCode Mapping

OptionList:Format	OptionListNumber	Description	
OptionList	NSAFT	NSAFT - Mapping VatCodes	
		Maconomy TaxCode	NSAFT standard TaxCodes
TheOption:Format	OptionListNumber	Name	Remarks 1
TheOption	NSAFT	Mva-fritt	52
TheOption	NSAFT	Standard pliktig	3
TheOption	NSAFT	Utenfor avgiftsområdet	6
TheOption	NSAFT	Mva-fritt Utland	5
TheOption	NSAFT	0	0
TheOption	NSAFT	1	1
TheOption	NSAFT	11	11
TheOption	NSAFT	12	12
TheOption	NSAFT	13	13
TheOption	NSAFT	14	14
TheOption	NSAFT	15	15
TheOption	NSAFT	21	21
TheOption	NSAFT	22	22
TheOption	NSAFT	23	23
TheOption	NSAFT	81	81

## Appendix E: Reporting and Account Structures

### Reporting Structure for NSAFT

In order for customers to obtain the benefit of an NSAFT reporting structure that is linked for NSAFT BPM reporting usage, the following needs to be set up:

In the Workspace Client:

1. Go to **Setup » System Setup » Option Lists**
  - a. Create an option list labelled **Finance**.
  - b. In the option list, type **NSAFT** into the **Option No** and description fields.
  - c. In the table of the option list type **NSAFT**.
2. Go to **Setup » Reporting » Reporting Structures**.

A list of reporting structures will appear.

  - a. Click on the reporting structure you wish to copy.
  - b. Click **Copy Reporting Structure**.
  - c. Paste the name in the name and description field as **NSAFT**.
  - d. Once the Reporting Structure is copied, change the **Option list** to **Finance**.
  - e. In the selected value field, search for **NSAFT** and insert it in this field.

### Reporting and Account Structure Examples

To view Reporting and Account Structure examples, see the following spreadsheets:

- NSAFT\_Example\_June2020\_CU\_accountstructure
- NSAFT\_Example\_June2020\_CU\_reportingstructures

at the following link: <https://collaborate.delttekfirst.com/#!/projects/65917/files>

**Customers:** Please contact Customer Care for examples if needed.

## Appendix F: Examples and Scenarios

### BPM and Statutory

#### UK PVA and RCM Examples

The following are example scenarios that are included to show a variety of circumstances in which PVA and RCM can be used for

##### Scenario 1

In this scenario, a vendor invoice subject to Reverse Charge Mechanism for Services is entered at a value of \$1,000.

Note that Tax Popup 1 on RCM GL VAT Code must be labelled 'Non Goods' per MTD setup.

Scenario 1	Box		Amount
VAT payable output sales/PVA/RCM	1		\$200.00
Input VAT due non PVA/EU Goods	2	<i>This box will no longer be used as of 1/1/2021.</i>	\$ -
Box 1-2	3		\$200.00
Input VAT reclaimed PVA/RCM/+EU	4		\$200.00
Net due (refund)	5		\$ -
Basis Output VAT and RCM only for Services/RCM	6	box 6 only used for services not PVA/goods	\$1,000.00
Basis input VAT/PVA/RCM EXCL VAT	7		\$1,000.00
Basis Output VAT customer invoices EU	8	<i>This box will no longer be used as of 1/1/2021.</i>	\$ -
Basis input VAT non PVA goods ?/EU	9	<i>This box will no longer be used as of 1/1/2021.</i>	\$ -

##### Scenario 2

In this scenario, a customer invoice is created to bill a customer for \$1,500 at a 20% VAT rate.

Appendix F: Examples and Scenarios

Scenario 2	Box		
VAT payable output sales/PVA/RCM	1		\$300.00
Input VAT due non PVA/EU Goods	2	<i>This box will no longer be used as of 1/1/2021.</i>	\$ -
Box 1-2	3		\$300.00
Input VAT reclaimed PVA/RCM/+EU	4		\$ -
Net due (refund)	5		\$300.00
Basis Output VAT and RCM only for Services/RCM	6	box 6 only used for services not PVA/goods	\$1,500.00
Basis input VAT/PVA/RCM EXCL VAT	7		\$ -
Basis Output VAT customer invoices EU	8	<i>This box will no longer be used as of 1/1/2021.</i>	\$1,500.00
Basis input VAT non PVA goods ?/EU	9	<i>This box will no longer be used as of 1/1/2021.</i>	\$ -

Scenario 3

In this PVA Actual scenario, \$1,000 of goods was received in August.

Scenario 3	Box		
VAT payable output sales/PVA/RCM	1		\$200.00
Input VAT due non PVA/EU Goods	2	<i>This box will no longer be used as of 1/1/2021.</i>	\$ -
Box 1-2	3		\$200.00
Input VAT reclaimed PVA/RCM/+EU	4		\$200.00
Net due (refund)	5		\$ -

Appendix F: Examples and Scenarios

Scenario 3	Box		
Basis Output VAT and RCM only for Services/RCM	6	box 6 only used for services not PVA/goods	\$ -
Basis input VAT/PVA/RCM EXCL VAT	7		\$1,000.00
Basis Output VAT customer invoices EU	8	<i>This box will no longer be used as of 1/1/2021.</i>	\$ -
Basis input VAT non PVA goods ?/EU	9	<i>This box will no longer be used as of 1/1/2021.</i>	\$ -

Scenario 4

In this RCM scenario for Mobile Phone Goods, a \$2,000 RCM at 20% from Germany is added.

Scenario 4	Box		
VAT payable output sales/PVA/RCM	1		\$400.00
Input VAT due non PVA/EU Goods	2	<i>This box will no longer be used as of 1/1/2021.</i>	\$ -
Box 1-2	3		\$400.00
Input VAT reclaimed PVA/RCM/+EU	4		\$400.00
Net due (refund)	5		\$ -
Basis Output VAT and RCM only for Services/RCM	6	box 6 only used for services not PVA/goods	\$ -
Basis input VAT/PVA/RCM EXCL VAT	7		\$2,000.00
Basis Output VAT customer invoices EU	8	<i>This box will no longer be used as of 1/1/2021.</i>	\$ -
Basis input VAT non PVA goods ?/EU	9	<i>This box will no longer be used as of 1/1/2021.</i>	\$2,000.00

**Scenario 5**

In this RCM scenario, Gold is purchased from EU at a rate of 20% on \$1,500.

Scenario 5	Box		
VAT payable output sales/PVA/RCM	1		\$300.00
Input VAT due non PVA/EU Goods	2	<i>This box will no longer be used as of 1/1/2021.</i>	\$ -
Box 1-2	3		\$300.00
Input VAT reclaimed PVA/RCM/+EU	4		\$300.00
Net due (refund)	5		\$ -
Basis Output VAT and RCM only for Services/RCM	6	box 6 only used for services not PVA/goods	\$1,500.00
Basis input VAT/PVA/RCM EXCL VAT	7		\$1,500.00
Basis Output VAT customer invoices EU	8	<i>This box will no longer be used as of 1/1/2021.</i>	\$ -
Basis input VAT non PVA goods ?/EU	9	<i>This box will no longer be used as of 1/1/2021.</i>	\$ -

**Scenario 6**

This scenario represents a vendor invoice for \$1,500 of goods bought from a UK company at 20%.

Scenario 6	Box		
VAT payable output sales/PVA/RCM	1		\$ -
Input VAT due non PVA/EU Goods	2	<i>This box will no longer be used as of 1/1/2021.</i>	\$ -
Box 1-2	3		\$ -
Input VAT reclaimed PVA/RCM/+EU	4		\$300.00

Appendix F: Examples and Scenarios

Scenario 6	Box		
Net due (refund)	5		\$ -
Basis Output VAT and RCM only for Services/RCM	6	box 6 only used for services not PVA/goods	\$ -
Basis input VAT/PVA/RCM EXCL VAT	7		\$1,500.00
Basis Output VAT customer invoices EU	8	<i>This box will no longer be used as of 1/1/2021.</i>	\$ -
Basis input VAT non PVA goods ?/EU	9	<i>This box will no longer be used as of 1/1/2021.</i>	\$ -

Scenario 7

This scenario represents a vendor invoice for \$3,000 of Mobile Phone services purchased from within the EU at 20%.

Scenario 7	Box		
VAT payable output sales/PVA/RCM	1		\$600.00
Input VAT due non PVA/EU Goods	2	<i>This box will no longer be used as of 1/1/2021.</i>	\$ -
Box 1-2	3		\$600.00
Input VAT reclaimed PVA/RCM/+EU	4		\$600.00
Net due (refund)	5		\$ -
Basis Output VAT and RCM only for Services/RCM	6	box 6 only used for services not PVA/goods	\$3,000.00
Basis input VAT/PVA/RCM EXCL VAT	7		\$3,000.00
Basis Output VAT customer invoices EU	8	<i>This box will no longer be used as of 1/1/2021.</i>	\$ -
Basis input VAT non PVA goods ?/EU	9	<i>This box will no longer be used as of 1/1/2021.</i>	\$ -



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## About Deltek

Better software means better projects. Deltek is the leading global provider of enterprise software and information solutions for project-based businesses. More than 23,000 organizations and millions of users in over 80 countries around the world rely on Deltek for superior levels of project intelligence, management and collaboration. Our industry-focused expertise powers project success by helping firms achieve performance that maximizes productivity and revenue. [www.deltek.com](http://www.deltek.com)