

Local Regulations and SAP Solutions

- Status for SAF-T in Norway

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May 8th 2020



Agenda

- Globalization Services Overview
- Legal changes
- SAF-T at SAP
- SAF-T in Norway
- SAF-T Norway - Status
- SAF-T Norway - How-to
- Q&A

Examples of Areas Addressed by Localization

Typical capabilities domains covered by SAP



Payments

Country formats used to collect incoming and outgoing payment data



Social Media Integration

Integration between SAP Products, social media and social media applications.



Invoicing

Country-specific invoicing process extensions



Languages

Country official language(s)



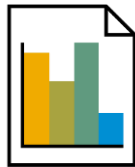
Validations

Country-specific format for address, IDs, bank accounts



Taxes

Tax codes based on conditions or formulas for mandatory tax computation, taxation processes, exemptions



Statutory Reporting

Financial statements, tax declarations, EC sales list, document numbering



Benefits and payroll

Country-specific benefits, eligibility and admissibility rules and payroll



Time Data

Country-specific rules and formats



UIX

Fiori Apps
Country-specific fields and features

Globalization Services - Represented Across the World

Leveraging a global network of software localization experts – unique across the software industry



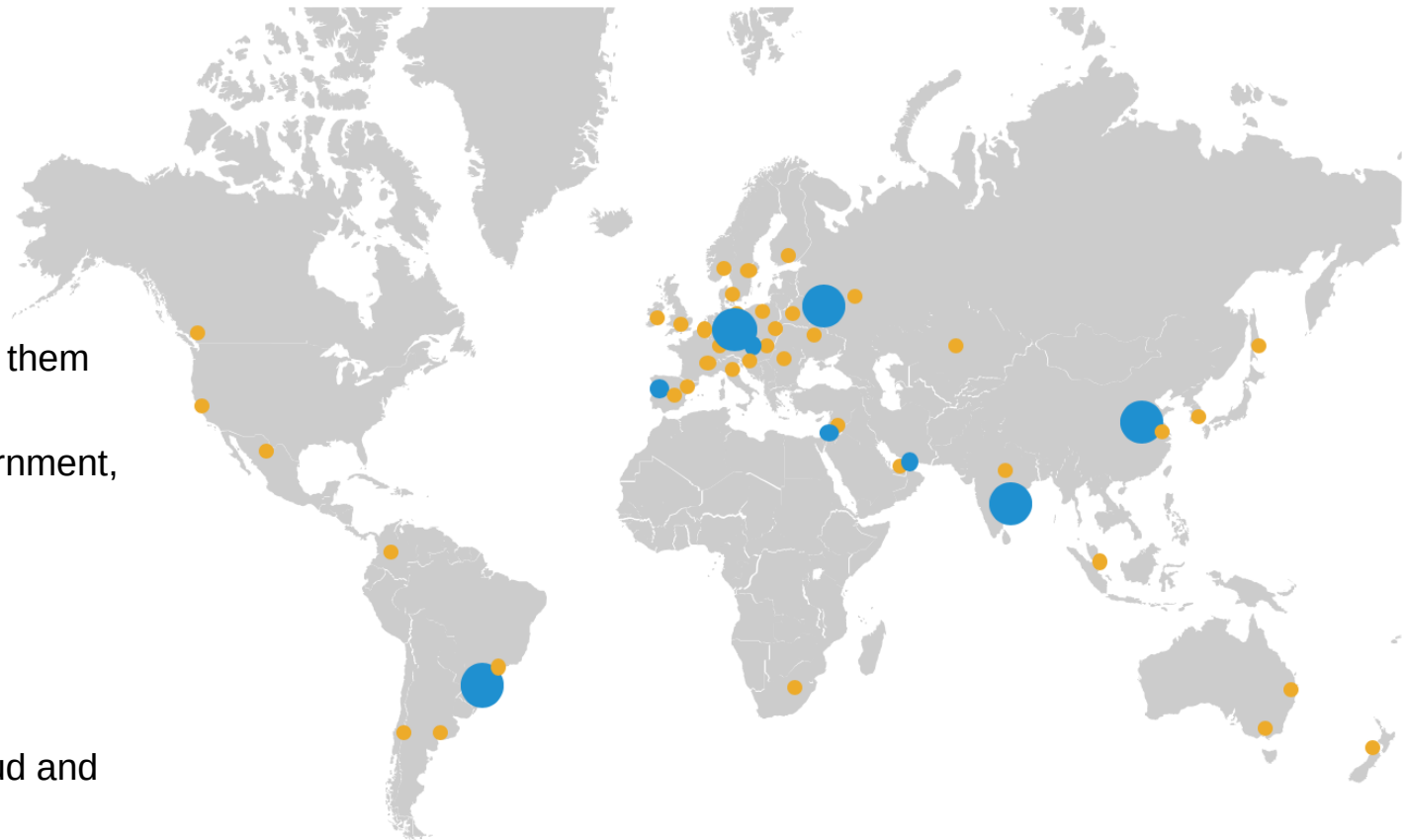
Localization Product Managers

- Monitor local legislation
- Analyze all requirements, create specifications and hand them over to engineering team
- Connect with customers, government, user groups and tax advisors



Engineering Teams

- Build localized high-quality Cloud and OnPrem products
- Specialize in products (S/4, SFSF, SCP...) and domains (tax, e-documents...)



- Major Development Locations: DE, BR, RU, IN, CN
- Further Development Locations: IL, UAE, PT, CZ
- Product Management / LX Lab Locations

Early Alert and Identification of Legal Changes through Local Experts



The Journey of a Legal Change



The Journey of a Legal Change

Empowering all businesses to run compliant locally and compete globally

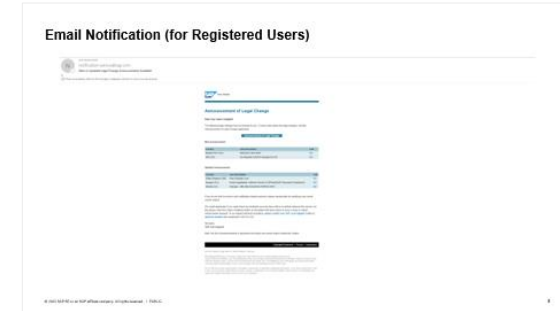
Customer

Country	System	Legal Change	Status
Germany	1000	Change of law regarding the... (2019-01-01)	Active
Germany	1000	Change of law regarding the... (2019-01-01)	Active
Germany	1000	Change of law regarding the... (2019-01-01)	Active
Germany	1000	Change of law regarding the... (2019-01-01)	Active
Germany	1000	Change of law regarding the... (2019-01-01)	Active
Germany	1000	Change of law regarding the... (2019-01-01)	Active

- 2 Customers get notified via the **Legal Change Notification as a Service** **LCNaaS**



- 3 Customers and partners co-innovate with SAP for complex scenarios



- 5 Customer receives SAP note and implements the legal change

Feedback

Detect

Build

Deploy

Feedback

SAP

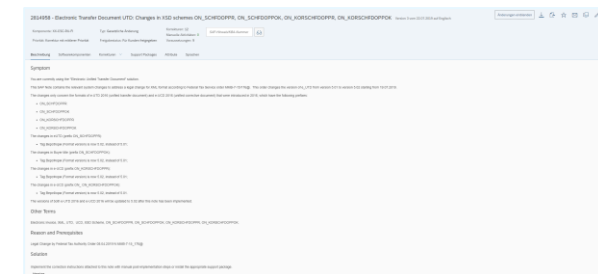
- 1 **SAP Law to Action** detects relevant legal changes via Machine Learning or customers alert SAP

Date	Title	Status
2019-01-01	Change of law regarding the... (2019-01-01)	Active
2019-01-01	Change of law regarding the... (2019-01-01)	Active
2019-01-01	Change of law regarding the... (2019-01-01)	Active
2019-01-01	Change of law regarding the... (2019-01-01)	Active
2019-01-01	Change of law regarding the... (2019-01-01)	Active
2019-01-01	Change of law regarding the... (2019-01-01)	Active

- 3 SAP team develops legal change



- 4 SAP team delivers legal change note



Email Notification (for Registered Users)

N

Sa 07.09.2019 04:39
notification-service@sap.com
New or Updated Legal Change Announcement Available

To

If there are problems with how this message is displayed, click here to view it in a web browser.

SAP

Run simple

Announcement of Legal Change

Dear Guy Cases Langhoff,

The following legal changes may be relevant to you. To know more about the legal changes, visit the Announcement of Legal Change application.

Announcement of Legal Change

New Announcement

Country	Law Description	Link
Russian Fed. (RU)	Electronic Labor Book	GO
USA (US)	Tax Reporter Q3/2019 changes for SUI	GO

Updated Announcement

Country	Law Description	Link
United Kingdom (GB)	Post Graduate Loan	GO
Hungary (HU)	Invoice registration: Interface version 2.0 [Priced] [SAP Document Compliance]	GO
Ukraine (UA)	Changes - XML files format from ERPn in 2019	GO

If you do not wish to receive such notification emails anymore, please unsubscribe by modifying your saved search variant.

We would appreciate if you could share any feedback you may have with us to further enhance this service, for this please select the Share Feedback button on the bottom left hand corner of every screen to submit enhancement requests. If you require technical assistance, please contact your SAP Local Support Center or report an incident with component LOD-LH-LCN.

Sincerely,
SAP One Support

Note: the list of announcements is generated according your saved search variant My Variant

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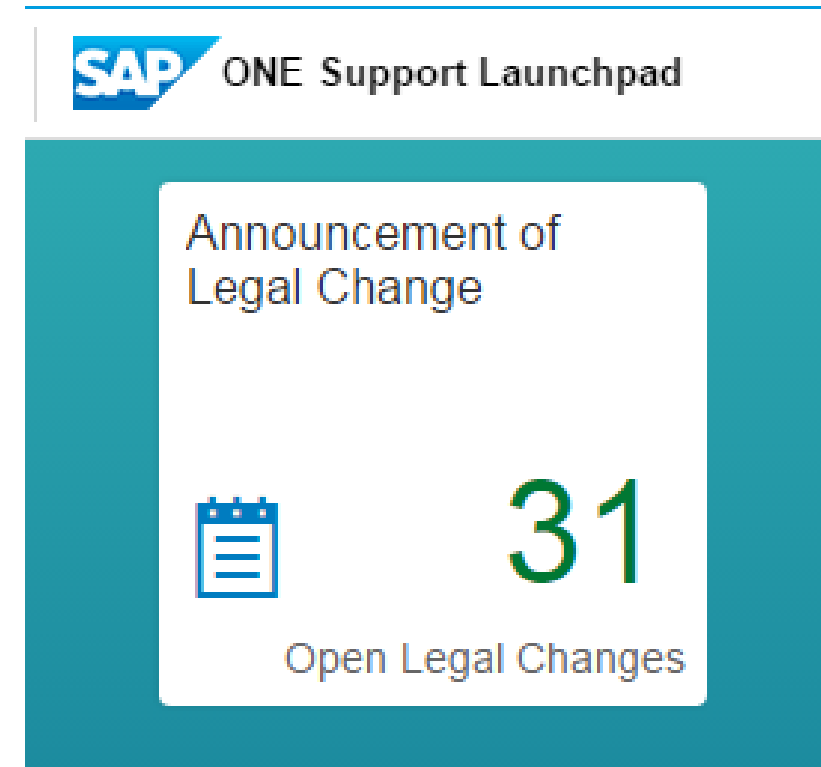
SAP SE, Dietmar-Hopp-Allee 16, 69100 Walldorf, Germany

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Announcement of Legal Changes

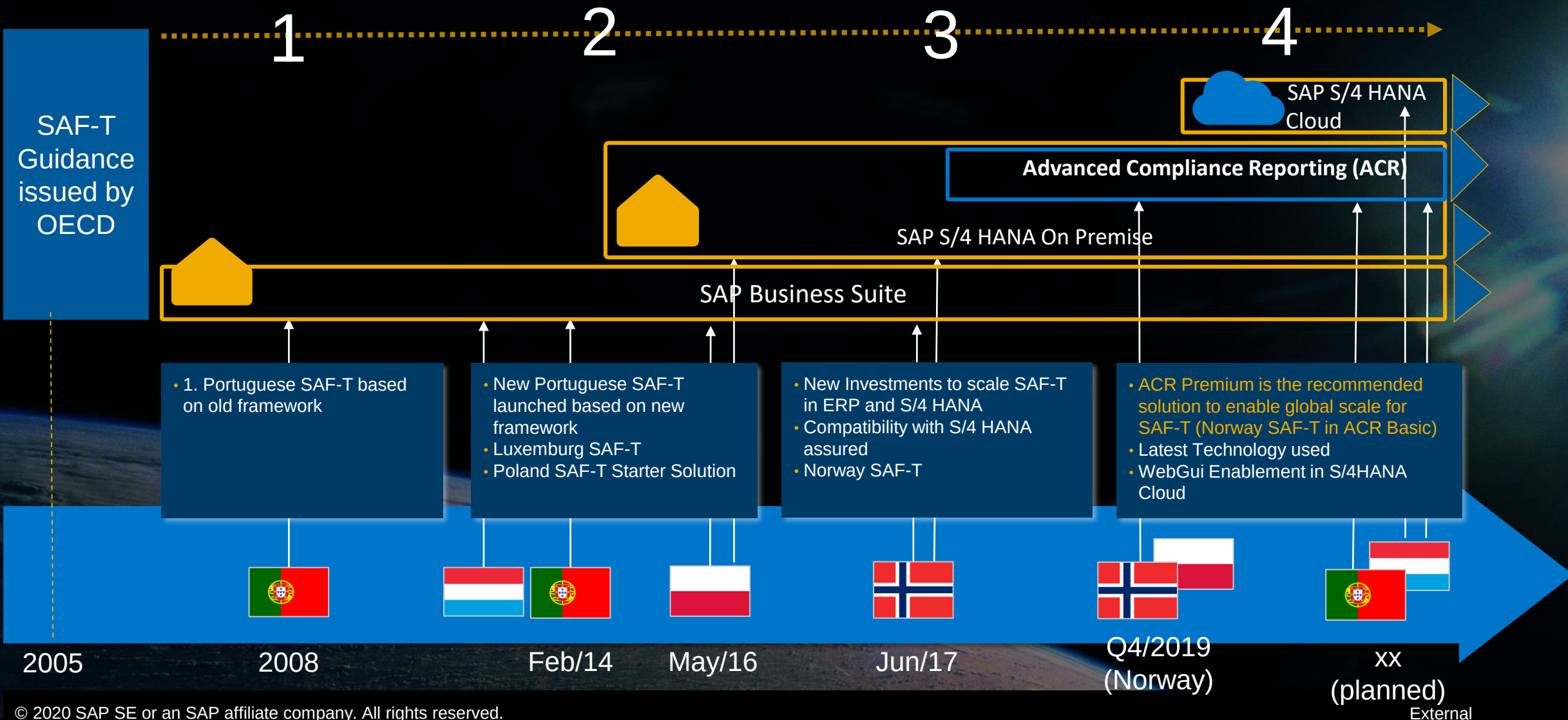
- ❑ With the going live of the new One Support Launchpad, the 'Announcement of Legal Change' app has been released to all customers using the Launchpad. The application provides an overview of the upcoming legal changes for all the components of SAP Globalization Services.
- ❑ With this application, customers can search for legal changes by countries or by application components, specify whether the legal change is relevant to his/her business and the implementation status in the customer systems, and plan corresponding implementation activities based on the information available in the application.



<https://launchpad.support.sap.com>

SAF-T at SAP

Continuous Innovations to Address Pain Points



The SAF-T Norway journey

- **Announcement from Skatteetaten 2015/2016 (preliminary validity as of 2018)**
- **Pilot customers enrolled 2016/17**
- **Pilot testing kickoff 28 March 2017 with 6 pilot customers**
- **SAP Release event 17 June 2017**
- **Skatteetaten introduces option to map accounts to "Næringsoppgaven"**
- **Continuous updates and corrections due to more tests by customers**

SAF-T Norway Snapshot

Characteristics:

- **Law:** Consultation held until 01-Oct-2016. Law published 2018
- **SAF-T files:** (a) Financial Data SAF-T file; (b) Cash Register SAF-T file (not in SAP);
- **Financial Data file content:** Financial documents, G/L accounts, VAT codes, customers, suppliers; only including data from 01-Jan-2020.
 - **Extension of SAF-T file:** the file sections *SourceDocuments* and *MovementOfGoods* are planned to be included “in the future”.
- **Legal date:** Law into effect 01-Jan-2020
- **Reporting date/frequency:** Earliest reporting date: mid-April 2020; on-demand by Tax Office
- **Delivery method:** manual electronic submission of file from system to Tax Office Portal “Altinn”
- **Number of files:** ‘n’ files, depending on size.
- **Affected companies:** companies with >5M NOK or >600 documents.

Status for SAF-T Norway

- Introduced 2016, valid as of Jan 1st, 2020
 - This means that Skatteetaten may require your accounting data from April 2020 (if you are target for a tax audit) => Option to postpone fulfillment until June 2020 if your implementation was delayed due to Corona pandemic
- Solution provided => See SAP Collective note 2590111 for details
- Lots of updates since first release as more customers with new scenarios test the solution
- JAM group created SAF-T and VAT Norway SAP forum => Access via email request

SAF-T NO End-to-End process

1. Customizing

2. Data Extraction

3. File Creation, Download
& Validation

1.a Customizing

General Ledger Standard Accounts <StandardAccountID>

- The actual account number used and the account description are to be represented in **AccountID** and **AccountDescription** (In *Masterfiles, GeneralLedgerAccounts, Account*). The account numbers and descriptions can be different from the Standard Account Overview. The **StandardAccountID** must be on either 2 or 4 digits level or a Grouping Category/Grouping code from the Income Statement “Näringsoppgaven” should be used
- Therefore, the actual account number used must be mapped. Skatteetaten has provided a List of Standard Accounts and a list of grouping categories and codes in the GitHub repository

1.b Customizing

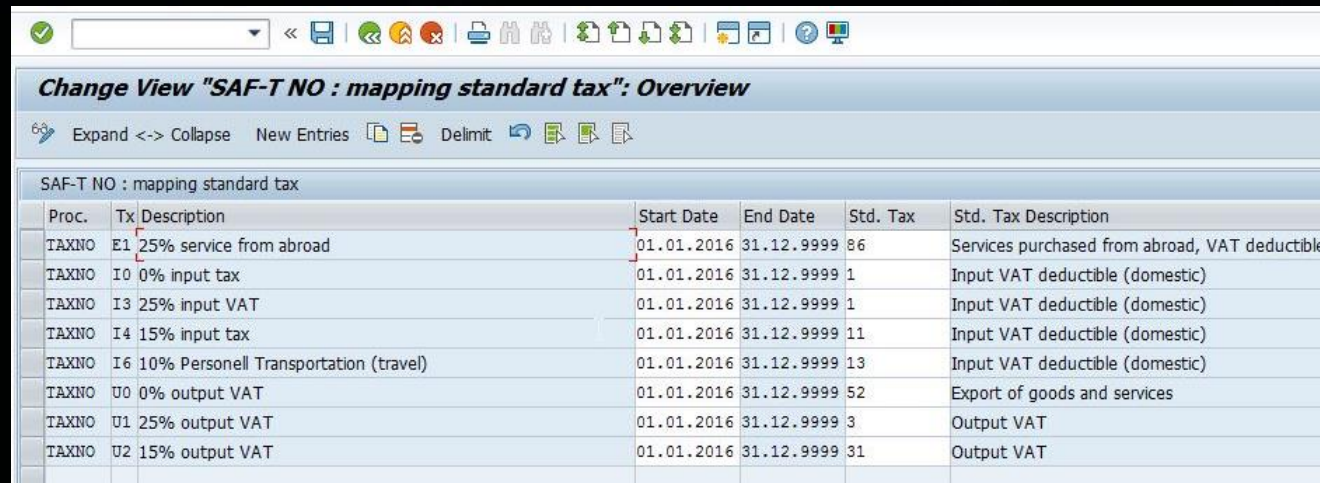
Standard VAT Tax codes <StandardTaxCode>

- The actual (internal) tax codes TaxCode can be used in the SAF-T. However they must be listed together with the standard tax codes StandardTaxCode in TaxCodeDetails in Masterfiles.
- The standard codes are only applicable to the SAF-T Financial export format. Software vendors can use whichever VAT tax codes they prefer internally in their own systems, and export them to the XML document on line level.
- Therefore, the **internal VAT tax codes** have to be mapped to the corresponding Norwegian SAF-T **Masterfiles /TaxTable > TaxTableEntry > TaxCodeDetails**, according to the standard Tax Code list provided by Skatteetaten in the GitHub repository.

1.c Customizing

Standard VAT Tax codes <StandardTaxCode>

- Maintain the mapping of standard VAT codes using transaction SPRO, in Financial Accounting (New) -> General Ledger Accounting (New) -> Periodic Processing -> Report -> Standard Audit File - Tax -> Map Standard Tax Types



Change View "SAF-T NO : mapping standard tax": Overview

Expand <-> Collapse New Entries Delimit

Proc.	Tx Description	Start Date	End Date	Std. Tax	Std. Tax Description
TAXNO E1	25% service from abroad	01.01.2016	31.12.9999	86	Services purchased from abroad, VAT deductible
TAXNO I0	0% input tax	01.01.2016	31.12.9999	1	Input VAT deductible (domestic)
TAXNO I3	25% input VAT	01.01.2016	31.12.9999	1	Input VAT deductible (domestic)
TAXNO I4	15% input tax	01.01.2016	31.12.9999	11	Input VAT deductible (domestic)
TAXNO I6	10% Personell Transportation (travel)	01.01.2016	31.12.9999	13	Input VAT deductible (domestic)
TAXNO U0	0% output VAT	01.01.2016	31.12.9999	52	Export of goods and services
TAXNO U1	25% output VAT	01.01.2016	31.12.9999	3	Output VAT
TAXNO U2	15% output VAT	01.01.2016	31.12.9999	31	Output VAT

Alternatively, use transaction SM30 and enter view SNV_NO_MAP_TAX for mapping the tax codes or SNV_NO_MAP_ACCT or SNV_NO_GRP_COD for the accounts

2.a Data Extraction

Extract Data

- **The Data extraction makes the data available for later file creation. You can create as many extractions as you want, but not overlapping. You can consolidate sequential extractions into one file. The extraction is the smallest data unit for the file creation.**
- Create an extraction with transaction **SAFTN_E**
- For each executed extraction an entry is written in table **SAFTND_EXT_HIST**
- The following extraction tables will be filled with the extracted data:
 - **SAFTND_EXT_SUM** Totals
 - **SND_NO_FI_H** Document header
 - **SND_NO_FI_I** Document items
 - **SND_NO_MD_CUST_K** Master Data – Customers from posted documents
 - **SND_NO_MD_SUPP_K** Master Data – Suppliers from posted documents
 - **SND_NO_MD_ANLY_K** Master Data – Analysis types from posted documents

2.b Data Extraction

Delete Extracted Data

- **Before repeating the extraction for a specific period or partial period (already extracted), you must delete the existing extraction(s) first.**
 - Run transaction **SAFTN_D** to delete an extraction.
 - You can delete sequential single extractions in an interval.
 - Once an extraction is deleted, its entry is no longer in the SAFTND_EXT_HIST, as it no longer exists.
 - At the same time, the data disappears from the extraction tables.

2.c Data Extraction

Example - Create/Delete/History

Create Extraction

Standard Audit File - Tax (SAF-T): Extract Data

Company Code

N002

Country

Norway

XML Schema Version

1.00

Module

FI_INV

GL Entries / FI Invoices

Posting Date

01.01.2017

to

31.01.2017

Fiscal Year

2017

Ledger

0L

Display logs

Type Message Text

User C5137886 is extracting SAF-T data

Company Code: N002

Country: NO

XML Schema Version: 1.00

Module: FI_INV

Posting Date: 01.01.2017 - 31.01.2017

Fiscal Year: 2017

Ledger: 0L

Type INV: total num: 2 / total debit: 2.000,00 / total credit: 2.000,00

Type INV 0L: total num: 2 / total debit: 2.000,00 / total credit: 2.000,00

Data extracted (module FI_INV / 01.01.2017 - 31.01.2017)

Duration: less than 1 minute

Table SND_NO_FI_I Display

Client

N02

Extraction ID

005056B277A21ED7848F1C35CD545869

Transaction ID

N00201000000002017

Record ID

001

Account ID

0000680000

Analysis Type

A

Analysis ID

0000001000

Analysis Amount

800,00

Analysis Crcy.

Anl. Crcy. Amt

0,00

Analysis Exchg. Rate

0,00000000

Value Date

Src. Docu. ID

Customer ID

Supplier ID

Description

Debit Amount

800,00

Debit Currency

Deb. Crcy. Amt.

0,00

Delete Extraction

Standard Audit File - Tax (SAF-T): Delete Extracted Data

Company Code

N002

Country

Norway

XML Schema Version

1.00

Module

FI_INV

GL Entries / FI Invoices

Posting Date

01.01.2017

to

31.01.2017

Ledger

0L

Display logs

Type Message Text

User C5137886 is deleting extracted SAF-T data

Company Code: N002

Country: NO

XML Schema Version: 1.00

Module: FI_INV

Posting Date: 01.01.2017 - 31.01.2017

Ledger: 0L

Delete: X

Extraction deleted (module FI_INV / 01.01.2017 - 31.01.2017 / file owner 0L)

Duration: less than 1 minute

2.d Data Extraction

Extraction tables

Data Browser: Table SND_NO_FI_I Select Entries

Table: SND_NO_FI_I
Displayed Fields 4 of 38 Fixed Columns

	Client	Extraction ID	Transaction ID
☐	002	005056B277A21ED7848F1C35CD545869	N00201000000002017
☐	002	005056B277A21ED7848F1C35CD545869	N00201000000002017
☐	002	005056B277A21ED7848F1C35CD545869	N00201000000002017
☐	002	005056B277A21ED7848F1C35CD545869	N00201000000002017
☐	002	005056B277A21ED7848F1C35CD545869	N00201000000002017
☐	002	005056B277A21ED7848F1C35CD545869	N00201000000002017
☐	002	005056B277A21ED7848F1C35CD545869	N00201000000002017

Data Browser: Table SND_NO_FI_H Select Entries

Table: SND_NO_FI_H
Displayed Fields 7 of 14 Fixed Columns

	Client	Extraction ID	Transaction ID
☐	002	005056B277A21ED7848F1C35CD545869	N00201000000002017
☐	002	005056B277A21ED7848F1C35CD545869	N00201000000002017

Data Browser: Table SND_NO_MD_ANLY_K Select Entries

Table: SND_NO_MD_ANLY_K
Displayed Fields 5 of 5 Fixed Columns

	Client	Extraction ID	Object Type	Obj.Number
☐	002	005056B277A21ED7848F1C35CD545869	B	SA
☐	002	005056B277A21ED7848F1C35CD545869	B	SA
☐	002	005056B277A21ED7848F1C35CD545869	B	SA
☐	002	40A8F03298E51ED782B0CE0D12976654	B	SA

Table SND_NO_FI_I Display

Client

Extraction ID

Transaction ID

Record ID

Account ID

Analysis Type

Analysis ID

Analysis Amount

Analysis CrCY.

Anl. CrCY. Amt.

Analysis Exchg. Rate

Value Date

Src. Docu. ID

Customer ID

Supplier ID

Description

Debit Amount

Debit Currency

Deb. CrCY. Amt.

Deb. Exchg. Rt.

Credit Amount

Table SND_NO_FI_H Display

Client

Extraction ID

Transaction ID

Period

Year

Trans. Date

Source ID

Trans. Type

Description

Sys. Entry Date

GL Post date

System ID

Local Currency

Currency

Table SND_NO_MD_ANLY_K Display

Client

Extraction ID

Object Type

Obj.Number

Additional key

3.a File Creation, Download & Validation

- **When generating the XML file, the report reads the data from the extraction tables to generate each of the file sections: Header, Masterfiles (GeneralLedgerAccounts, Customers, Suppliers, Tax data....), GeneralLedgerEntries.**
 - The generated XML file always reflects the data at the moment of the extraction, not the file creation.
 - Run [SAFTN_G](#) transaction to generate the file
 - Run one file per extract or consolidate several extracts into one file
 - Check the creation of the consolidated file in the [SAFTND_CON_EXT](#) table.

3.b File Creation, Download & Validation

- **To download the xml file simply indicate the file location.**
 - Run **CG3Y** to download the file from the server location to the local PC or get it directly from the server.
 - To check the xml file, open it in an XML editor (e.g. FirstObjects) or in MS-Excel.
 - Validate the file in the portal and submit it

The screenshot displays the 'Download File: Parameters' dialog box in SAP. The 'Source file on application server' is set to '/tmp/DS_demo_Jan-Feb2017.xml'. The 'Target file on front end' is set to '\\client\\c\$\\Users\\User\\Desktop\\FROM SAP\\DS_demo_Jan-Feb2017.xml'. The 'Transfer format for data' is set to 'BIN', and the 'Overwrite file' checkbox is unchecked.

Below the dialog box, an XML file structure is shown in a tree view. The root element is 'AuditFile', which contains several sub-elements: 'Header', 'MasterFiles', 'GeneralLedgerAccounts', 'TaxTable', 'AnalysisTypeTable', and 'GeneralLedgerEntries'. The 'GeneralLedgerEntries' element is expanded, showing a 'NumberOfEntries' of 4, a 'TotalDebit' of 5000.0, and a 'TotalCredit' of 5000.0.

ns1:TransactionID	ns1:Period	ns1:PeriodYear	ns1:TransactionDate	ns1:SourceID	ns1:TransactionType	ns1:Description	ns1:System
NO0201000000002017	1	2017	01/01/2017	C5254623	SA		
NO0201000000002017	1	2017	01/01/2017	C5254623	SA		
NO0201000000002017	1	2017	01/01/2017	C5254623	SA		
NO0201000000002017	1	2017	01/01/2017	C5254623	SA		
NO0201000000002017	1	2017	01/01/2017	C5254623	SA		
NO0201000000002017	1	2017	01/01/2017	C5254623	SA		
NO0201000000002017	2	2017	01/02/2017	C5137886	SA		
NO0201000000002017	2	2017	01/02/2017	C5137886	SA		
NO0201000000002017	2	2017	01/02/2017	C5137886	SA		
NO0201000000002017	2	2017	01/02/2017	C5137886	SA		
NO0201000000002017	2	2017	01/02/2017	C5137886	SA		
NO0201000000002017	2	2017	01/02/2017	C5137886	SA		

3.c File Creation, Download & Validation

File size

- **File size can be a problem**

- You can submit files up to 200 MB. If your xml file is larger, zip it before submitting, if needed into several files. Zipping an xml file reduces the file size to appr 10% of the original size.
- Check the log for runtime. Run transaction SAFTN_M
- Check the file content to get an idea on how to improve the file. Relevant tables:

Accounting Master Data	SND_NO_MD_ACCT
Customer Master Data	SND_NO_CUSTOMER
	SND_NO_MD_CONT
	SND_NO_MD_ADDR
	SND_NO_MD_BANK
	SND_NO_MD_APARTY
Supplier Master Data	SND_NO_SUPPLIER
	SND_NO_MD_CONT
	SND_NO_MD_ADDR
	SND_NO_MD_BANK
	SND_NO_MD_APARTY
Tax Master Data	SND_NO_MD_TAX
Analysis Master Data	SND_NO_ANALYSIS
FI documents	SND_NO_FI_H
	SND_NO_FI_I

3.d File Creation, Download & Validation

Altinn Portal

<https://tt02.altinn.basefarm.net/Pages/ServiceEngine/Start/StartService.aspx?ServiceEditionCode=160819&ServiceCode=3095>

 altinn

Language ▾

Alternative login to Altinn

← To ID-porten

Cancel log in ✖

 Altinn code letter

 SMS-code

 Password only

Log in with Altinn single-use code that you will find in the code letter from Altinn.

Fill in the fields below

National identity number/Username: 19125100

Code 1 in the code letter from Altinn: ●●●●

Next

[Order new pin code letter](#)

[Disable single-use codes](#)

Altinn TT02

 altinn
enklere dialog med det offentlige

VELG ELEKTRONISK ID:

 MinID
Med kode fra SMS eller PIN-kodebrev

 BankID
Med koder fra banken din

 Buypass
Med smartkort eller mobil

 Commfides
Med USB-pinne

 BankID på mobil
Med sikker legitimasjon på mobil

 eIDAS
Using eID from your home country

[Slik skaffer du deg elektronisk ID](#)

Gå videre til flere innloggingsmetoder

 altinn

[Kontakt skjema](#) | [Tlf: 800 30 300](#) | [Hjelp til innlogging](#) | [Sikkerhet og personvern](#)

Some examples of enhancements 2020 via SAP Notes

2886281 Tax amount, Tax authority, Tax registration/Registration number, Opening Balance

2894075 Exchange rate issue

2908369 Partial tax deductibility

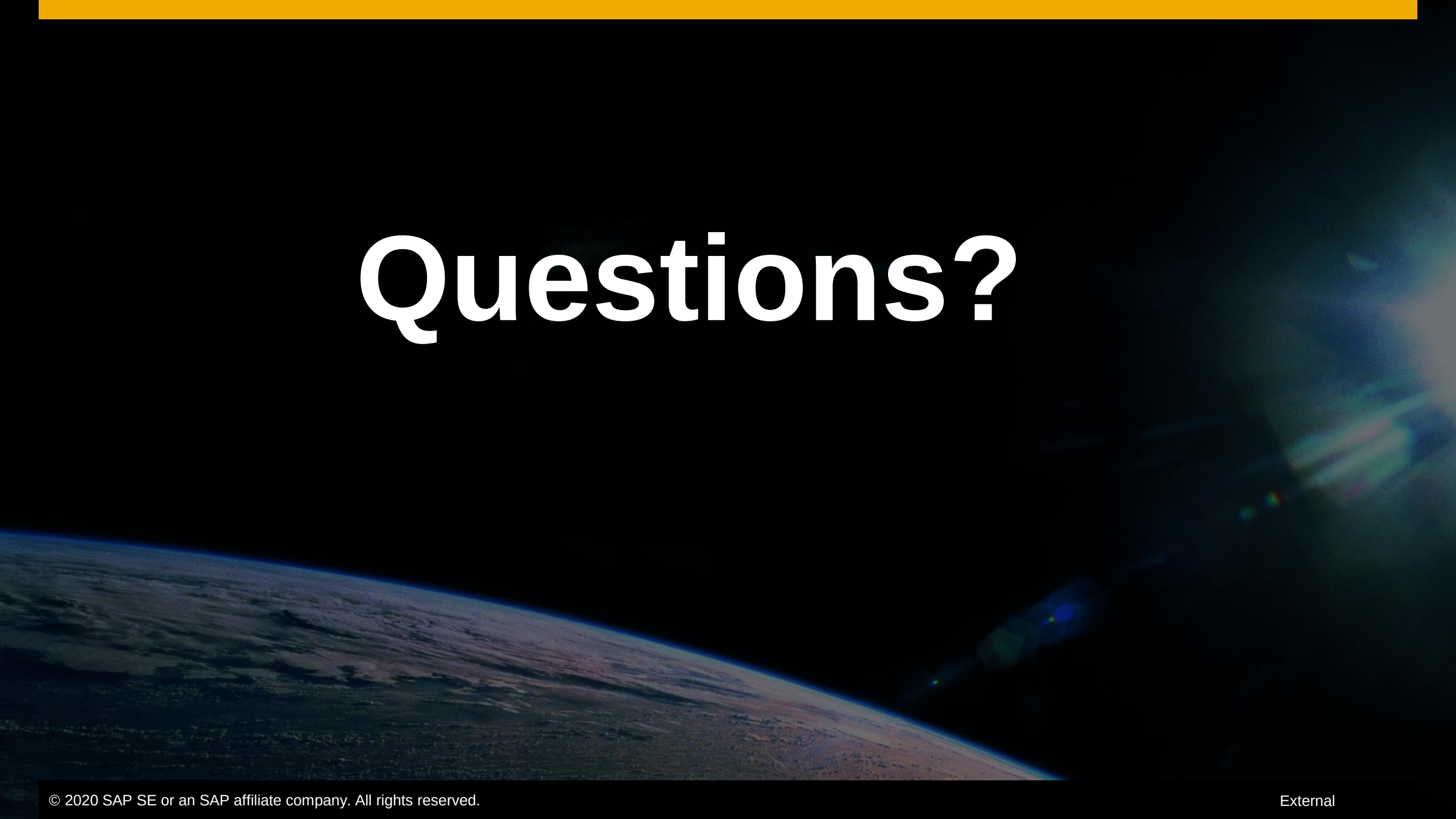
2912756 Reporting Company's Tax Registration Number

2911101 Reverse charge tax codes

2913034 and 2917084 SAF-T for foreign Companies

2920936 New 4-digit standard accounts from 2020

In pipeline: Documents without BSEG items, Special G/L transactions

The background of the slide is a dark, high-contrast image of space. In the lower-left corner, the curved horizon of the Earth is visible, showing a thin blue line of the atmosphere and a darker, textured surface of the planet. In the upper-right corner, a bright light source, likely the sun, is partially visible, creating a lens flare effect with streaks of light and a soft glow. The rest of the background is a deep, dark blue-black.

Questions?

Thank you!

Erik Törnqvist

Email: erik.toernqvist@sap.com

The Best-Run Businesses Make the World Run Better.

To request access the Jam group, send an email to
erik.toernqvist@sap.com or to marit.andersen@sap.com

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