



## Workshop Prosjekt SAF-T Financial 2.0

**Dato: 20.03.2025.**

**Sted: Skattekvartalet i Oslo, Schweigaards gate 17-19**

**Møterom: A561 Bjerke.**

**Tema: MovementOfGoods (SourceDocuments). Vi tar også med MovementTypeTable og PhysicalStock (MasterFiles)**

### **Agenda:**

Kl 09:00 Velkommen til workshop, vi starter med gjennomgang av innholdet i MovementOfGoods

Kl 09:50 Pause

Kl 10:00 Vi fortsetter gjennomgangen av MovementOfGoods

Kl 11:15 Lunsj

Kl 12:00 Gjennomgang av innholdet i MovementTypeTable og PhysicalStock i Masterfiles

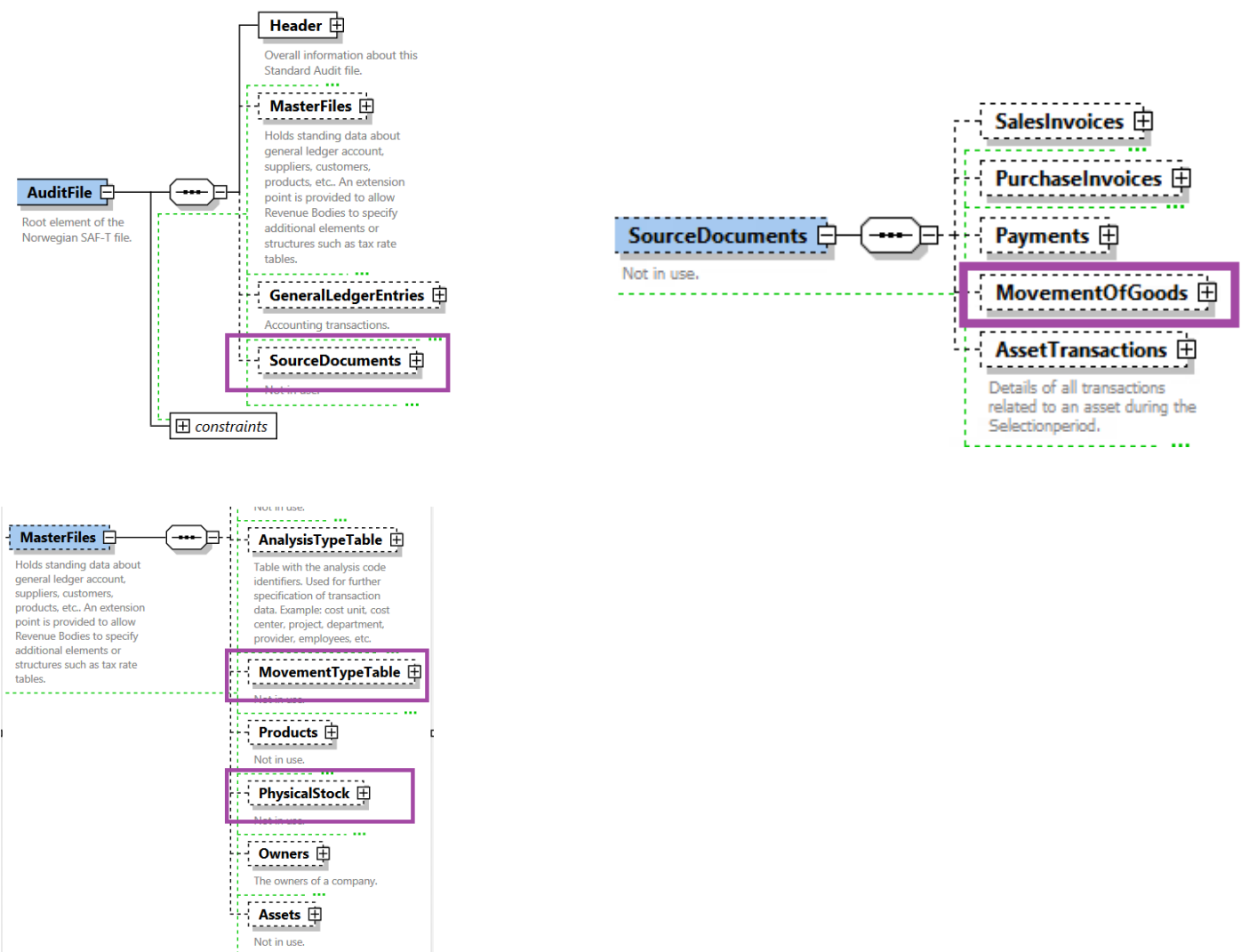
Kl 13:00 Pause

Kl 13:10 Vi fortsetter gjennomgangen av MovementTypeTable og PhysicalStock

Kl 13:45 Momenter til diskusjon

Kl 14.30 Vi avslutter workshopen

Utklippene under viser plasseringen av MovementOfGoods i SAF-T Financial.



## Oversikt over fargebruk i tabellene:

XML Element	Description	Type	Req/Rep.		Example
<Element name>	A normal element.	<Element type>	O	0..1	
<Element name>	A new element added to the Norwegian version of the audit file.	<Element type>	O	0..1	
<Structure name>	<i>A structure of elements. Definition of the structure is listed elsewhere in this document.</i>	<Structure type>	O	0..1	
<Element name>	<i>Not in use. This element is included in the original audit file, but are not currently in use in the Norwegian version.</i>	<Element type>	0	0..1	
<Element name>	An element changed from the original SAF-T file. Typically, this change is the requirement, e.g. changed from optional to mandatory.	<Element type>	M	1..1	

## Simple Types (gjeldende datatyper)

Name	Description	Type	Example
SAFmonetaryType	Monetary amount. 18 digits max, of which 2 can be fractional digits.	xs:decimal	1000.00
SAFlongmonetaryType	Monetary amount. 38 digits max, of which 18 can be fractional digits.	xs:decimal	1234.56789101
SAFexchangerateType	NOT IN USE	xs:decimal	
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

## SourceDocuments:

### MovementOfGoods

*Optional. Repetitions: 0..1*

*Sequence. Mandatory. Repetitions: 1..1*

XML Element	Description	Type	Req/Rep.		Example
NumberOfMovementLines	Number of movementlines in selected period	xs:nonNegativeInteger	M	1..1	1
TotalQuantityReceived	Quantity of goods received	SAFquantityType	M	1..1	500.00
TotalQuantityIssued	Quantity of goods issued in selected period	SAFquantityType	M	1..1	450.00
<i>StockMovement</i>			<i>M</i>	<i>1..U</i>	

## StockMovement

*Mandatory. Repetitions: 1..U*

XML Element	Description	Type	Req/Rep.		Example
MovementReference	Unique reference to the movement	Endres fra SAFmiddle1textType til SAFlongtextType	M	1..1	REF20241029
MovementDate	Document date	xs:date	M	1..1	2024-10-29
MovementPostingDate	Date of posting of the movement if different to MovementDate	xs:date	O	0..1	2024-10-31
MovementPostingTime	Time of posting of the movement	xs:time	O	0..1	09:30:00
TaxPointDate	Date of supply of goods	xs:date	O	0..1	2024-10-15
MovementType	The movementtype expresses the type of the process for the underlying lines. E.g. production, sales, purchase. Prescribed TABLE is possible.	SAFcodeType	M	1..1	Purchase
SourceID	Details of person or application that entered the transaction	SAFmiddle1text Type	O	0..1	SCR123
SystemID	Unique number created by the system for the document	SAFmiddle1textType	O	0..1	SYSTEM2024
DocumentReference			O	0..1	
Line			M	1..U	

## DocumentReference

*Optional. Repetitions: 0..1*

*Sequence. Mandatory. Repetitions: 1..1*

XML Element	Description	Type	Req/Rep.		Example
DocumentType	Type of document	Endres fra SAFshorttextType til SAFlongtextType	M	1..1	Invoice
DocumentNumber	Reference number of the document	SAFmiddle1textType	M	1..1	INV20241029
DocumentLine	Line number of the document	SAFshorttextType	O	0..1	1

## Line (StockMovement)

Mandatory. Repetitions: 1..U

XML Element	Description	Type	Req/Rep.		Example
LineNumber	Number of the movementline	SAFshorttextType	M	1..1	1
AccountID	General Ledger Account code. Can be including sub-account id.	SAFmiddle2textType	O	0..1	3000 1500 2400
TransactionID	Cross-reference to GL posting	SAFmiddle2textType	O	0..1	TXN20241029001
CustomerID	Unique code for the customer. Must not be used in conjunction with SupplierID.	SAFmiddle1textType	O	0..1	CUST001
SupplierID	Unique code for the supplier. Must not be used in conjunction with CustomerID.	SAFmiddle1textType	O	0..1	SUP001
ShipTo	Ship to details	ShippingPointStructure	O	0..1	
ShipFrom	Ship from details	ShippingPointStructure	O	0..1	
ProductCode	Product code	SAFmiddle2textType	M	1..1	PROD001
StockAccountNo	Stock batch, lot, serial identification. Not used when there is exactly 1 PhysicalStock entry per ProductCode	SAFmiddle2textType	O	0..1	ACC123
Quantity	Quantity of goods	SAFquantityType	M	1..1	50
UnitOfMeasure	Quantity unit of measure e.g. pack of 12. Must be used if element <UOMToUOMPhysicalStockConversionFactor> is used	Endres fra SAFcodeType til SAFshorttextType	M	1..1	KG
UOMToUOMPhysicalStockConversionFactor	Conversion factor of the UOM to UOM Physical Stock. Must be used if element <UnitOfMeasure> is used	xs:decimal	M	1..1	1.0
BookValue	Value of the transaction line as registered in the general ledger in the header's default currency.	SAFmonetaryType	O	0..1	1500.00
MovementSubType	Identify the type of the movement on line/article level. A movement(type) production contains e.g. use of components, getting finished product, efficiency loss as movement subtypes. Pre-described TABLE is possible.	SAFcodeType	M	1..1	Incoming
MovementComments	A reason for the movement	SAFlongtextType	O	0..1	Received goods from supplier
TaxInformation		TaxInformationStructure	O	0..U	

## Eksempel:

```
<MovementOfGoods>
  <NumberOfMovementLines>1</NumberOfMovementLines>
  <TotalQuantityReceived>500.00</TotalQuantityReceived>
  <TotalQuantityIssued>450.00</TotalQuantityIssued>
  <StockMovement>
    <MovementReference>REF20241029</MovementReference>
    <MovementDate>2024-10-29</MovementDate>
    <MovementPostingDate>2024-10-31</MovementPostingDate>
    <MovementPostingTime>09:30:00</MovementPostingTime>
    <TaxPointDate>2024-10-29</TaxPointDate>
    <MovementType>Purchase</MovementType>
    <SourceID>SCR123</SourceID>
    <SystemID>SYSTEM2024</SystemID>
    <DocumentReference>
      <DocumentType>Invoice</DocumentType>
      <DocumentNumber>INV20241029</DocumentNumber>
      <DocumentLine>1</DocumentLine>
    </DocumentReference>
  </Line>
  <Line>
    <LineNumber>1</LineNumber>
    <AccountID>3000</AccountID>
    <TransactionID>TXN20241029001</TransactionID>
    <CustomerID>CUST001</CustomerID>
    <ShipTo>
      <DeliveryID>DEL123</DeliveryID>
      <DeliveryDate>2024-10-30</DeliveryDate>
      <WarehouseID>WH001</WarehouseID>
      <LocationID>LOC001</LocationID>
```

```
<UCR>UCR123456</UCR>
<Address>
  <StreetName>Main Street</StreetName>
  <Number>10</Number>
  <AdditionalAddressDetail>Building A</AdditionalAddressDetail>
  <Building>Warehouse Building</Building>
  <City>Oslo</City>
  <PostalCode>0123</PostalCode>
  <Region>Oslo</Region>
  <Country>NO</Country>
  <AddressType>DeliveryAddress</AddressType>
</Address>
</ShipTo>
<ShipFrom>
  <DeliveryID>DEL124</DeliveryID>
  <DeliveryDate>2024-10-28</DeliveryDate>
  <WarehouseID>WH002</WarehouseID>
  <LocationID>LOC002</LocationID>
  <UCR>UCR654321</UCR>
  <Address>
    <StreetName>Supply Road</StreetName>
    <Number>20</Number>
    <AdditionalAddressDetail>Building B</AdditionalAddressDetail>
    <Building>Supplier Facility</Building>
    <City>Bergen</City>
    <PostalCode>4567</PostalCode>
    <Region>Vestland</Region>
    <Country>NO</Country>
    <AddressType>ShippingAddress</AddressType>
  </Address>
</ShipFrom>
```



<ProductCode>PROD001</ProductCode>  
<StockAccountNo>ACC123</StockAccountNo>  
<Quantity>50</Quantity>  
<UnitOfMeasure>kg</UnitOfMeasure>  
<UOMToUOMPhysicalStockConversionFactor>1.0</UOMToUOMPhysicalStockConversionFactor>  
<BookValue>1500.00</BookValue>  
<MovementSubType>Incoming</MovementSubType>  
<MovementComments>Received goods from supplier</MovementComments>  
<TaxInformation>  
  <TaxType>VAT</TaxType>  
  <TaxCode>VAT25</TaxCode>  
  <TaxPercentage>25.00</TaxPercentage>  
  <Country>NO</Country>  
  <TaxBase>1500.00</TaxBase>  
  <TaxBaseDescription>Standard Tax</TaxBaseDescription>  
  <CreditTaxAmount>  
    <Amount>375.00</Amount>  
    <CurrencyCode>NOK</CurrencyCode>  
    <CurrencyAmount>375.00</CurrencyAmount>  
    <ExchangeRate>1.0</ExchangeRate>  
  </CreditTaxAmount>  
  <TaxExemptionReason>Not Applicable</TaxExemptionReason>  
  <TaxDeclarationPeriod>2024-10</TaxDeclarationPeriod>  
</TaxInformation>  
</Line>  
</StockMovement>  
</MovementOfGoods>

## Masterfiles:

### MovementTypeTable og PhysicalStock:

#### MovementTypeTable

*Optional. Repetitions: 0..1*

*Element: MovementTypeTableEntry. Mandatory. Repetitions: 1..U*

XML Element	Description	Type	Req/Rep.		Example
MovementType	Identify kind of movement or movement line. E.g. sale, purchase, adjustment, etc. Or efficiency loss, use of components in production, etc. Pre-described TABLE is possible.	SAFcodeType	M	1..1	SALE PURCHASE ADJUSTMENT PRODUCTION USE
Description	Description of the movement(sub)type	SAFlongtextType	M	1..1	Sale of goods Purchase of goods Stock adjustment Use of components in production

#### Eksempel:

```
<MovementTypeTable>
  <MovementTypeTableEntry>
    <MovementType>SALE</MovementType>
    <Description> Sale of goods</Description>
  </MovementTypeTableEntry>
  <MovementTypeTableEntry>
    <MovementType>PURCHASE</MovementType>
    <Description>Purchase of goods</Description>
  </MovementTypeTableEntry>
  <MovementTypeTableEntry>
    <MovementType>ADJUSTMENT</MovementType>
```

```

    <Description>Stock adjustment</Description>
  </MovementTypeTableEntry>
  <MovementTypeTableEntry>
    <MovementType>PRODUCTION_USE</MovementType>
    <Description>Use of components in production</Description>
  </MovementTypeTableEntry>
</MovementTypeTable>

```

## PhysicalStock

*Optional. Repetitions: 0..1*

*Element: PhysicalStockEntry. Mandatory. Repetitions: 1..U*

XML Element	Description	Type	Req/Rep.		Example
WarehouseID	Warehouse where goods held - possible also to identify work-in-progress, or stock-in-transit	SAFmiddle1textType	O	0..1	WH123
LocationID	Location of goods in warehouse	SAFshorttextType	O	0..1	LOC456
ProductCode	Product code	SAFmiddle2textType	M	1..1	PROD789
StockAccountNo	Stock batch, lot, serial identification. Not used when there is exactly 1 PhysicalStock entry per ProductCode	SAFmiddle2textType	O	0..1	SA12345
ProductType	To determine whether the product/stockaccount is raw material, work-in-progress, finished good, merchandise for resale, etc.	SAFshorttextType	O	0..1	FinishedGoods
ProductStatus	To determine whether the product/stockaccount is discontinued, damaged, obsolete, active, etc.	SAFshorttextType	O	0..1	Active
StockAccountCommodityCode	Classification for import / export	SAFmiddle1textType	O	0..1	COM123
OwnerID	Reference to the owner Master File	SAFmiddle1textType	O	0..1	OWN678
	This sequence is not needed when UOMPhysicalStock equals UOMBase:		O	0..1	
UOMPhysicalStock	Unit of Measurement for this Physical Stock position. Not needed when UOMPhysicalStock equals UOMBase	Endres fra SAFcodeType til SAFshorttextType	M	1..1	PCS
UOMToUOMBaseConversionFactor	Conversion factor of the UOM to UOM Base. Not needed when UOMPhysicalStock equals UOMBase	xs:decimal	M	1..1	1.0

UnitPrice	Base Unit price for this stock account in the header's default currency.	SAFmonetaryType	O	0..1	100.00
OpeningStockQuantity	In UOM Physical Stock for selection period	SAFquantityType	M	1..1	500
OpeningStockValue	Opening stock value in the header's currency code for selection period	SAFmonetaryType	O	0..1	50000.00
ClosingStockQuantity	In UOM Physical Stock for selection period	SAFquantityType	M	1..1	450
ClosingStockValue	Closing stock value in the header's default currency for selection period	SAFmonetaryType	O	0..1	45000.00
<i>StockCharacteristics</i>			O	0..1	

## StockCharacteristics

*Optional. Repetitions: 0..1*

*Sequence. Mandatory. Repetitions: 1..U*

XML Element	Description	Type	Req/Rep.		Example
StockCharacteristic	User definable characteristics of the goods. Pre-described TABLE is possible.	SAFshorttextType	M	1..1	Colour Weight
StockCharacteristicValue	The weight, pack size, colour etc.	SAFmiddle1textType	M	1..1	Red 1kg

## Eksempel:

```
<PhysicalStock>
  <PhysicalStockEntry>
    <WarehouseID>WH123</WarehouseID>
    <LocationID>LOC456</LocationID>
    <ProductCode>PROD789</ProductCode>
    <StockAccountNo>SA12345</StockAccountNo>
    <ProductType>FinishedGood</ProductType>
    <ProductStatus>Active</ProductStatus>
    <StockAccountCommodityCode>COM123</StockAccountCommodityCode>
    <OwnerID>OWN678</OwnerID>
    <UOMPhysicalStock>PCS</UOMPhysicalStock>
    <UOMToUOMBaseConversionFactor>1.0</UOMToUOMBaseConversionFactor>
    <UnitPrice>100.00</UnitPrice>
    <OpeningStockQuantity>500</OpeningStockQuantity>
    <OpeningStockValue>50000.00</OpeningStockValue>
    <ClosingStockQuantity>450</ClosingStockQuantity>
    <ClosingStockValue>45000.00</ClosingStockValue>
    <StockCharacteristics>
      <StockCharacteristic>Colour</StockCharacteristic>
      <StockCharacteristicValue>Red</StockCharacteristicValue>
      <StockCharacteristic>Weight</StockCharacteristic>
      <StockCharacteristicValue>1kg</StockCharacteristicValue>
    </StockCharacteristics>
  </PhysicalStockEntry>
</PhysicalStock>
```

## **Momenter til diskusjon (vil i all hovedsak bli tatt underveis i gjennomgangen):**

### **MovementOfGoods:**

1. Når er det aktuelt å bruke MovementPostingTime (StockMovement)? Kan elementet fjernes?
2. Er elementet TaxPointDate relevant? Særavgifter (StockMovement)? Kan elementet fjernes?
3. Hva med «value»-elementet i Line. Kan f.eks. «BookValue» være negativ? Vil det være naturlig å ha debit og credit for dette elementet? Dersom BookValue kan være negativ, hva da med elementet Quantity? Kan antallet også være negativt?
4. Vi vurderer å endre elementet AccountID i Line fra optional til mandatory, da dette er en nøkkel (Line). Kommentarer?
5. Vi vurderer å endre elementet TransactionID i Line fra optional til mandatory, da dette er en nøkkel (Line). Kommentarer?
6. Kan det være en ide å ha en sekvens som er optional men et valg mellom CustomerID og SupplierID, hvor det kun kan velges ett alternativ dersom sekvensen tas i bruk? Dette for å hindre at begge elementer kommer på hver linje, selv om bare ett av elementene inneholder informasjon.

### **MovementTypeTable:**

7. Brukes det standard kodelister for MovementType pr i dag?

### **PhysicalStock:**

8. Er elementet OwnerID relevant i PhysicalStock? Kan elementet fjernes?
9. Hva med «value»-elementer. Kan f.eks. «OpeningStockValue» eller «ClosingStockValue» være negativ? Vil det være naturlig å ha debit og credit for disse elementene?

### **Generelt:**

10. Er det elementer som er overflødige eller som bør legges til i noen av strukturene i MovementsOfGoods, PhysicalStock eller MovementTypeTable?
11. Bruken av lister vurderes der det er mulig i hele SAF-T Financial. Er det spesifikke elementer i MovementOfGoods, MovementTypeTable eller PhysicalStock som fremstår som aktuelle for å innføre lister?

12. Vi har foreslått endring i måten å forklare strukturene på overskriftene. Tidligere har vi sett at dette kan misforstås. Overskriften står som Optional, men er angitt med repetitions 1..U. Eksempel:

Gjeldende overskrift:

GeneralLedgerAccounts

The general ledger accounts of a company.

*Optional. Element: Account. Repetitions: 1..U*

Foreslås endret til:

GeneralLedgerAccounts

The general ledger accounts of a company.

*Optional. Repetitions: 0..1*

*Element: Account. Repetitions: 1..U*

13. Andre innspill?