



4<sup>th</sup> of March 2022

## T24 – Induction training “Accounting”

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## General remarks

### **PLEASE NOTE:**

- The screenshots in this manual have been taken from the T24 model bank. This is the initial set up of T24.
- If your T24 system is already customized than the screens and menus in T24 may look different.
- The basic functionality explained in the manual will be anyway the same as in your T24 system.

**01 Learning objectives**

02 Basic information and type of accounting entries

03 Consolidation / grouping

04 Financial reports



## Learning objectives

- Background information of financial accounting and reporting
- Understanding of the basic accounting tables
- Understanding of the consolidation / grouping of accounting entries and their impact for the financial reports
- Understanding of the set up and generation of financial reports

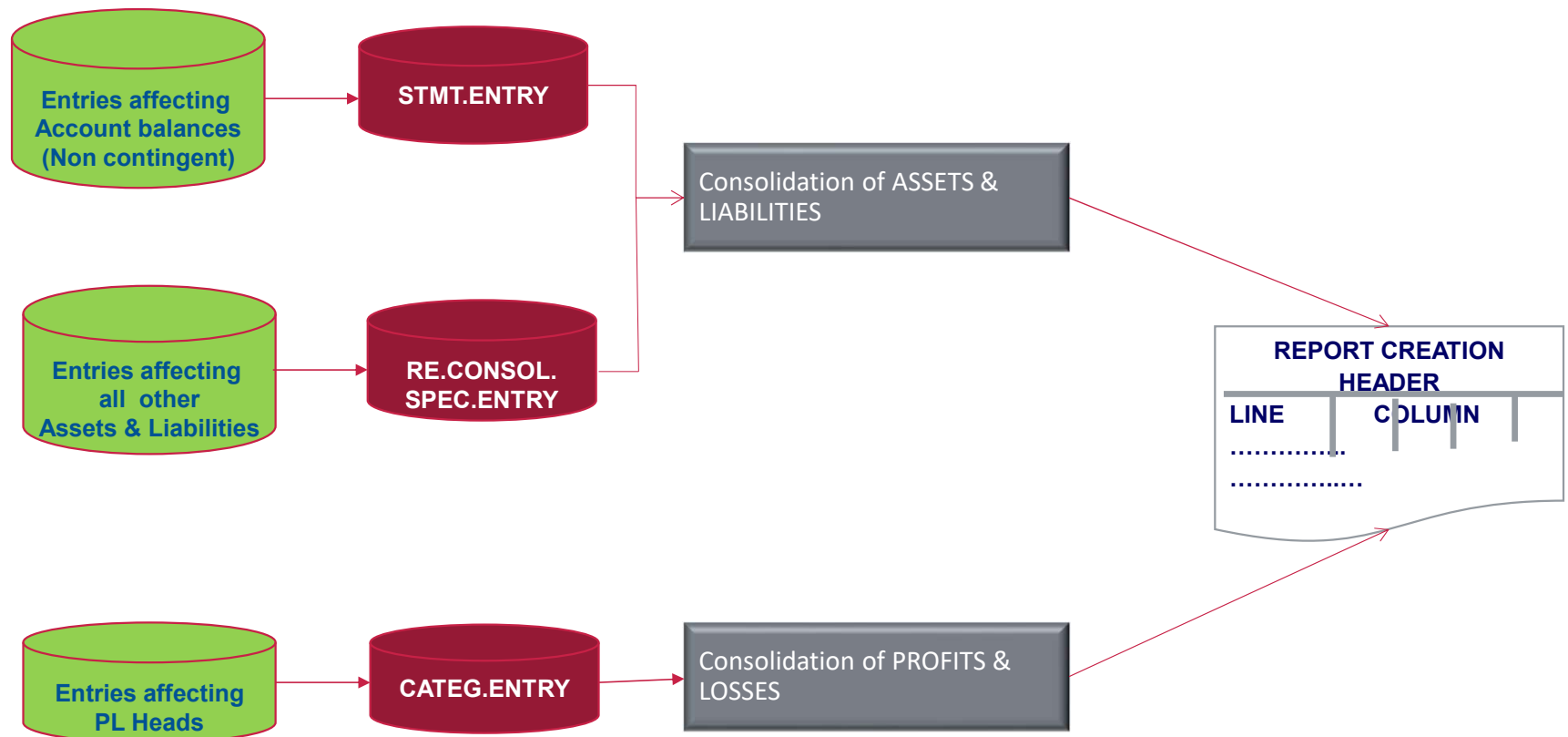
- 01 Learning objectives
- 02 Basic information and type of accounting entries**
- 03 Consolidation / grouping
- 04 Financial reports



# Concept of financial accounting & reporting – very high level

**This overview contains the whole financial accounting and reporting process**

At the moment the slide is difficult to understand – we will cover each component in the training



## Accounting – basic wordings (1)

- **Transaction**

- Any business activity expressed in terms of money – like a disbursement of a loan or effecting a payment
- What a business receives and what it pays – but NOT i.e. the generation of messages

- **Double Entry Book-keeping**

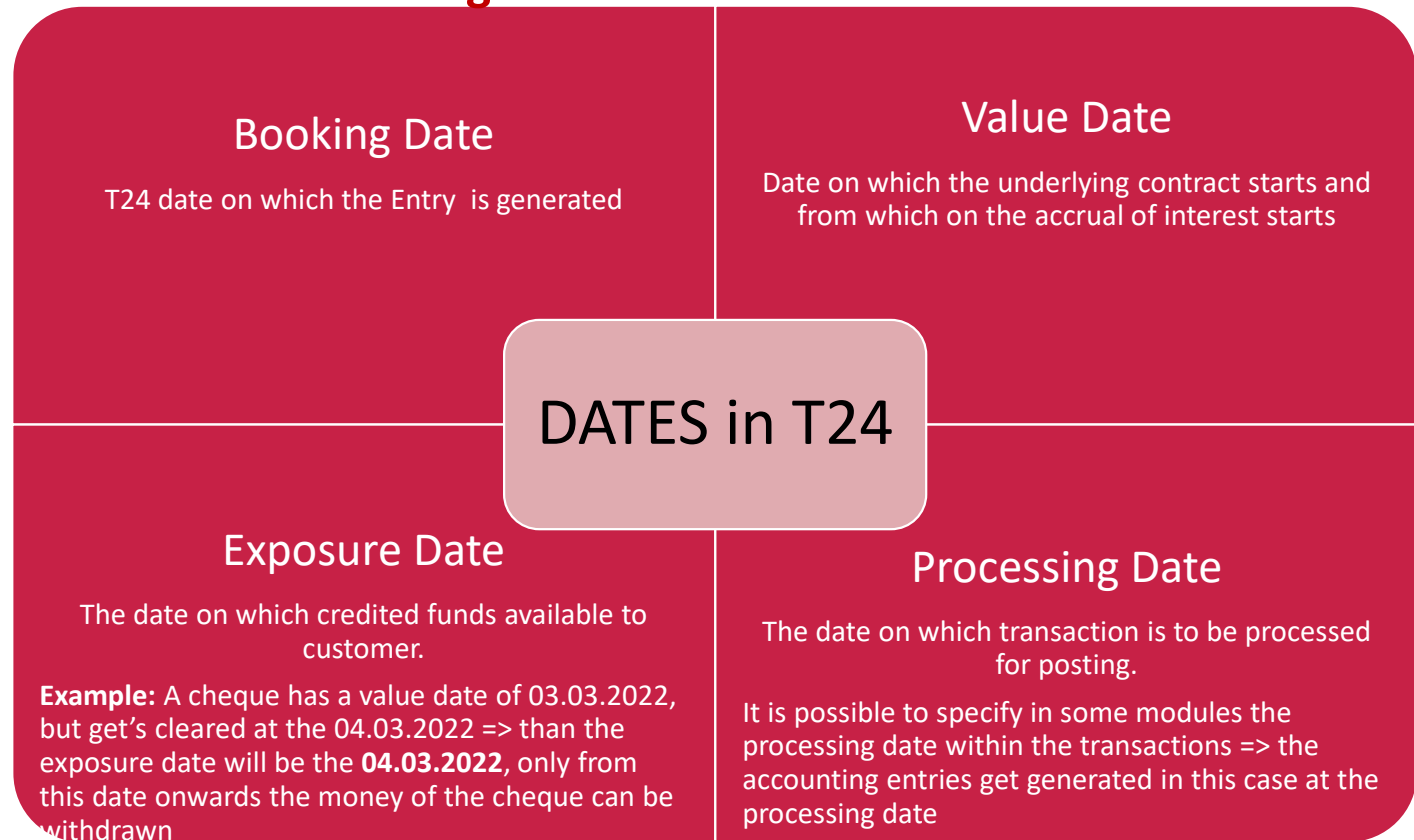
- Each party in a business transaction will receive something and give something in return
- In other words – the net effect of a transaction will be 0.
- I.e. for this disbursement of a loan we have the **credit** entry for the customers account and the **debit** entry for us.

- **Accounting Entry**

- Systematic manner of recording a transaction => generated for each financial movement
- In T24 – Updates balance as a result of a transaction.

## Accounting – basic wordings (2)

### Dates in the accounting entries





## Accounting – basic wordings (3)

- ***Non contingent entries***

The money get's directly debited or credited

- ***Contingent entries***

It is assumed that money shall flow, but is not flown yet

- **Example**

A payment of 100 EUR is inputted and authorized in T24 **today** (= 03.03), but the account shall be debited **two working days later** (value date is the 05.03)

Then the following entries are generated for this debit

- ✓ At the **03.03** a *contingent* debit entry (assumption: the money will flow at the 05.03)
- ✓ At the **05.03** the *contingent* debit entry get's reversed and will be substituted by a *non contingent debit* entry (the money is now flown)

## Trade dated accounting versus value dated accounting

- **Trade dated accounting** – can be chosen only for the “Accounts” (AC and AA)”, “Payments”-, “Teller”-, “Data capture”- and “Securities”-module  
Directly at the trade date (= deal agreement date) the non contingent entries are generated
- **Value dated accounting** – the only choice for all other modules then the ones mentioned above
  - If the trade date is *equal* to the value date = the same as in trade dated accounting happens
  - If the value date is *later* than the trade date: On the trade date a contingent entry get’s generated, on the value date it will get reversed and substituted by the non contingent entry

## Intro – accounting entries at the value date of a Money market loan

### The following “Money market” loan has been created and authorized

- **1.000.000 EUR** for customer **800270** and charges of **88.89 EUR**, value date is **17.04.2020**, the account for debiting the charges and crediting with the disbursed amount is **92053**
- The accounting entries generated at the 17.04.2020 are displayed at the next slide

The screenshot displays the T24 Money Market Loan creation interface. The main form is titled "MM Placement/Loan - Fixed Maturity" and includes tabs for "Payment/Settlement", "Rollover", "Charge/Broker", "Delivery", and "IFF". The loan details are as follows:

Field	Value
Product Category	21077
Deal Date	17 APR 2020
Dealer Desk	00
Counterparty	800270
Currency	EUR
Start Date	17 APR 2020
Limit Reference	
Interest Type	<input type="radio"/> [None] <input checked="" type="radio"/> 1 <input type="radio"/> 3 <input type="radio"/> 9
Interest Rate(Fixed)	2.00
Amount	1,000,000.00
Maturity Date	17 APR 2021
Interest Basis	B
Pi Int Type	

The "Charge Details" section is also visible, showing the charge debit account and code:

Field	Value
Charge Debit Acct	92053
Charge Code.1	ACCTCLOSE
Charge Amount.1	88.89

The "MM Placement/Loan - Fixed Maturity" details on the right side of the screen are as follows:

Field	Value
Counterparty Reference	
Credit Account	92053
Counterparty Corres Bank.1	
C'party Corres Addr.1	
Counterparty Corres Bank.2	
Ben Acct.1	
Bank to Bank Info.1	
Send SWIFT message?	<input type="radio"/> [None] <input type="radio"/>
Principal Liq Acct	92053
Interest Liq Acct	92053

## Intro – accounting entries at the value date of a Money market loan





### For the “Money market” loan the following accounting entries have been generated

- 1. **STMT.ENTRY** for *debiting* the customer 800270 with the charges of 88,89 EUR
- 2. **STMT.ENTRY** for *crediting* the customer 800270 with the loan amount of 1.000.000,00 EUR
- 3. **CATEG.ENTRY** for *crediting* us with the charges of 88,89 EUR
- 4. **RE.CONSOL.SPEC.ENTRY** for *debiting* us with the loan amount of 1.000.000,00 EUR

### Assets and liabilities

**STMT.ENTRY** = table of all *non contingent* movements on accounts = table for all entries, where an account gets **directly** debited or credited

**RE.CONSOL.SPEC.ENTRY** = table of all other movements for assets and liabilities – includes all *contingent* movements and the *non contingent* movements, which are not held in STMT.ENTRY => for us most non contingent movements are held in RE.CONSOL.SPEC.ENTRY

1.	17 APR 2020	92053	800270	BNK	17 APR 2020	17 APR 2020	EUR	-88.89	-100.00	
2.	17 APR 2020	92053	800270	BNK	17 APR 2020	17 APR 2020	EUR	1,000,000.00	1,124,939.00	
3.	17 APR 2020	PL52001	800270	BNK	17 APR 2020	17 APR 2020	EUR	88.89	100.00	
4.	17 APR 2020	LIVE PRINCIPAL	800270	BNK	17 APR 2020	17 APR 2020	EUR	-1,000,000.00	-1,124,939.00	

### Profits and losses

**CATEG.ENTRY** = table of all profit- and losses for *our side* – resulting i.e. out of charges received and interest accrued

# Intro – accounting entries at the value date of a Money market loan

## The accounting entries in detail

**STMT.ENTRY** for debiting the customer 800270 with the charges of 88,89 EUR

Back to: <a href="#">List Of Entries</a> >		
STMT.ENTRY 197861063551680.040002 (Model Bank)		
Account Number	92053	
Company Code	GB-001-0001	Model B
Amount Lcy	-100.00	
Transaction Code	961	Commis:
Customer Id	800270	Thomas
Account Officer	1	Implem:
Product Category	1-001	Current A
Value Date	17 APR 2020	17 APR:
Currency	EUR	Euro
Amount Fcy	-88.89	
Exchange Rate	1.124939000	
Position Type	TR	TRADING
Our Reference	MM2010800068	
Currency Market	1	Currency
Department Code	1	Implem:
Trans Reference	MM2010800068;1	
System Id	MM	MONEY M.
Booking Date	17 APR 2020	17 APR:
Stmt No.1	197861063551680.04	
Stmt No.2	1-4	
Stmt No.3	1	
Override.1	Overdraft on Account 92053 for EUR 45205.16	

**STMT.ENTRY** for crediting the customer 800270 with the loan amount of 1.000.000,00 EUR

Back to: <a href="#">List Of Entries</a> >		
STMT.ENTRY 197861063551680.040001 (Model Bank)		
Account Number	92053	
Company Code	GB-001-0001	
Amount Lcy	1,124,939.00	
Transaction Code	403	
Customer Id	800270	
Account Officer	1	
Product Category	1-001	
Value Date	17 APR 2020	
Currency	EUR	
Amount Fcy	1,000,000.00	
Exchange Rate	1.124939000	
Position Type	TR	
Our Reference	MM2010800068	
Exposure Date	17 APR 2020	
Currency Market	1	
Department Code	1	
Trans Reference	MM2010800068	
System Id	MM	
Booking Date	17 APR 2020	

**CATEG.ENTRY** for crediting us with the charges of 88,89 EUR => It is credited the Profit and loss category 52001

Back to: <a href="#">List Of Entries</a> >		
CATEG.ENTRY 197861063551680.040001 (Model Bank)		
Company Code	GB-001-0001	Model Bank
Amount Lcy	100.00	
Transaction Code	962	Commission Re
Pl Category	52-001	Account Closur
Customer Id	800270	Thomas Voigt
Account Officer	1	Implementation
Product Category	21-077	Loans to Banks (
Value Date	17 APR 2020	17 APR 2020
Currency	EUR	Euro
Amount Fcy	88.89	
Exchange Rate	1.124939000	
Position Type	TR	TRADING POSITI
Our Reference	MM2010800068	
Currency Market	1	Currency Market
Department Code	1	Implementation
Trans Reference	MM2010800068;1	
System Id	MM	MONEY MARKET
Booking Date	17 APR 2020	17 APR 2020

**RE.CONSOL.SPEC.ENTRY** for debiting us with the loan amount of 1.000.000,00 EUR

Back to: <a href="#">List Of Entries</a> >		
RE.CONSOL.SPEC.ENTRY 197861063551680.040001		
Deal Number	MM2010800068	
Company Code	GB-001-0001	
Amount Lcy	-1,124,939.00	
Transaction Code	LNW	
Consol Key Type	MM.1.TR.EUR.21077.1001.DE	
Narrative.1	20210417	
Customer Id	800270	
Account Officer	1	
Product Category	21-077	
Value Date	17 APR 2020	
Currency	EUR	
Amount Fcy	-1,000,000.00	
Exchange Rate	1.124939000	
Position Type	TR	
Our Reference	MM2010800068	
Currency Market	1	
Department Code	1	
Trans Reference	MM2010800068	
System Id	MM	
Booking Date	17 APR 2020	

## Type of accounting entries - summary

### STMT.ENTRY

- Non contingent entries posted to Accounts
- These entries appear in the account statement
- Both customer and Internal Accounts

### CATEG.ENTRY

- Entries affecting Profit and Loss heads
- Both contingent and non-contingent

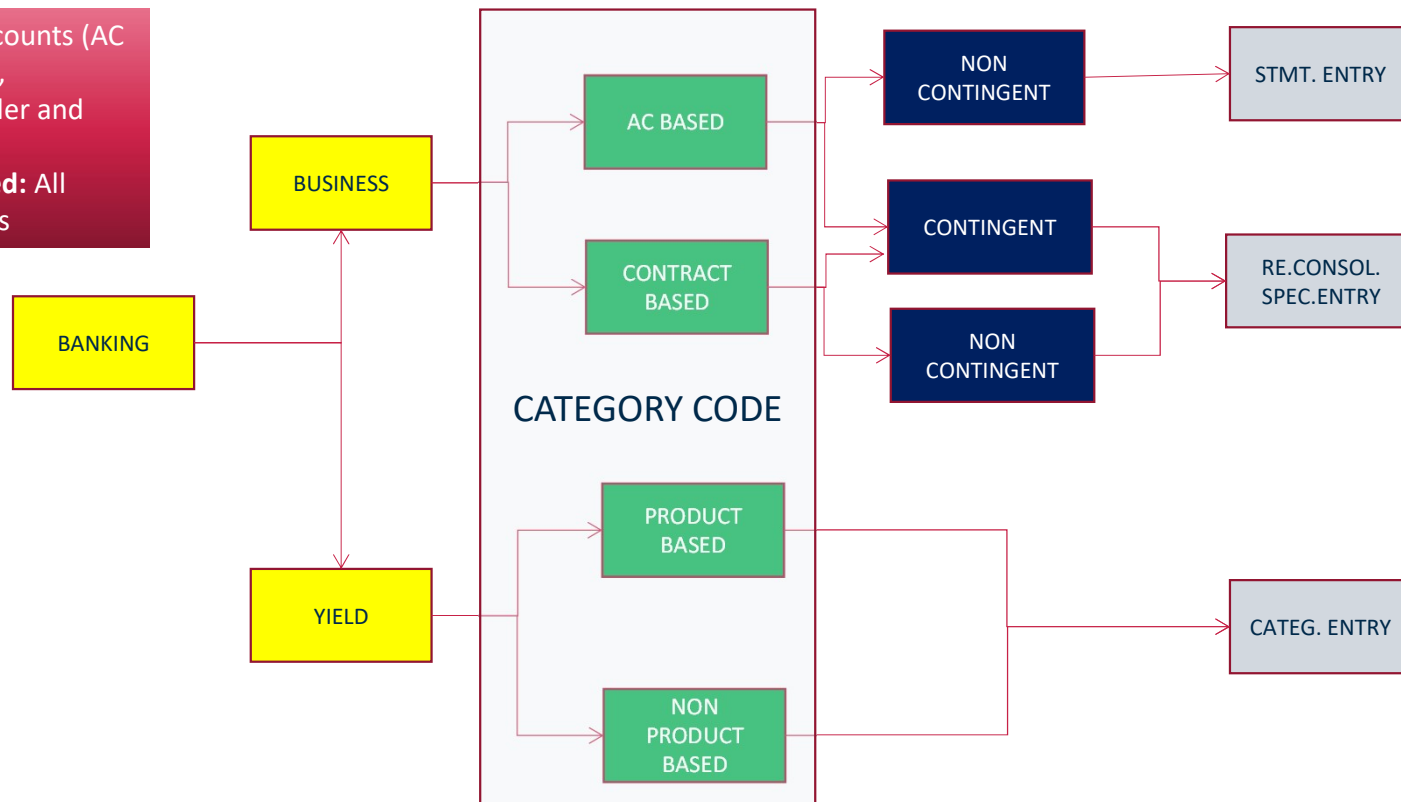
### RE.CONSOLE. SPEC.ENTRY

- Contract entries – Contingent and Non contingent
- Contingent entries of Accounts
- Accruals, Revaluation and Movements

## Summary – accounting entries generation

Any financial transaction in bank rest in the “Assets and liabilities (A/L)” &/or the “Profits and losses” (PL)

- **AC based:** Accounts (AC as well as AA), payments, teller and data capture
- **Contract based:** All other modules



## Workshop 1 “Create a fixed term deposit”

### Workshop



- Use *User Menu > Treasury Operations > Forex & Money Market Trader > Front Office > Money Market Trader > MM Takings/Deposit > Fixed Maturity Contracts*
  - Input a 1 month deposit of 100.000 EUR for your individual customer
  - **Very important:** Deal date and start date shall be both “today”
  - Maturity date shall be one year later
  - The interest rate shall be a fixed rate of 1%
  - Validate the records and observe the defaulted settlement accounts in the tab “Payment/ Settlement”. If no accounts have been defaulted, ask the trainer for help
  - Take charges => specify for this in the field “Charge Code” in the “Charges/broker” section the value “ACCTCLOSE” => the charge will be calculated as the equivalent amount of 100 USD
  - Commit the record and accept the override messages



# Workshop 1 - solution

## Workshop

1

- ▲ User Menu
  - ▷ Customer Relationship
  - ▷ Customer
  - ▷ CRM
  - ▷ Account
  - ▷ Mandate Management
  - ▷ DD Management
  - Product Catalog
  - ▷ Retail Operations
  - ▷ Origination
  - ▷ Islamic Operations
  - ▷ Risk Management
  - ▷ Corporate Operations
  - ▲ Treasury Operations
    - ▲ Forex & Money Market Trader
      - ▷ Position Management Enquiries
      - ▷ Nostro Management
    - ▲ Front Office
      - ▷ Forex Trader
      - ▷ Forex Enquiries
    - ▲ Money Market Trader
      - ▷ MM Placements/Loans
      - ▲ MM Takings/Deposit
        - Call/Notice Contracts
        - Amend/Mature Call/Notice Contracts
        - Fixed Maturity Contracts
        - Rollover/Amend Fixed Period Contracts

2

Money Market	Payment/Settlement	Rollover	Charge/Broker	Delivery	IFRS Details	Audit
Product Category	21032					
Deal Date	17 APR 2020			17 APR 2020		
Dealer Desk	00		ALL			
Counterparty	800270		Thomas Voigt			
Currency	EUR				Amount	100,000.00
Start Date	17 APR 2020		17 APR 2020		Maturity Date	17 APR 2021
Interest Type	<input type="radio"/> [None] <input checked="" type="radio"/> 1 <input type="radio"/> 3 <input type="radio"/> 9		FIXED		Interest Basis	B
Interest Rate (Fixed)	1.00				PI Int Type	
Interest Key (Floating)					Interest Spread	
Negative Interest?	<input type="radio"/> [None] <input checked="" type="radio"/> No <input type="radio"/> Yes				Total Interest	1,013.89
Interest Accrual Method	FIRST				Capitalise Interest?	<input type="radio"/> [None] <input checked="" type="radio"/> N <input type="radio"/> O
Interest Schedule Date					Interest End	17 APR 2021
Interest Start	17 APR 2020		17 APR 2020		Rounding Rule	NATURAL
Mature at Start of Day?	<input type="radio"/> [None] <input checked="" type="radio"/> No <input type="radio"/> Yes					

## Workshop 1 - solution

Workshop

3

Money Market	Payment/Settlement
Debit Account	92053
Principal Liq Acct	92053
Counterparty Corres Bank.1	
Counterparty Corres Addr.1	
Counterparty Corres Bank.2	
Beneficiary Acct.1	
Interest Liq Acct	92053
Int Bene Bank.1	
Int Bene Bank.2	
Int Address.1	
Bank to Bank Info.1	

4

Money Market	Payment/Settlement	Rollover	Charge/Broker	Delivery	IFRS Details
Charge Details					
Charge Debit Acct	92053	Thomas Voigt			
Charge Code.1	ACCTCLOSE	Charge Amount.1	88.89		

## Workshop 2 “Authorize the fixed term deposit”

### Workshop



- **Use *User Menu > Treasury Operations > Forex & Money Market Trader > Back Office > Money Market > Authorise/Delete MM Transactions > Authorise/Delete MM Transactions***
  - Login with a different USER or ask your neighbour
  - Authorize your deal

# Workshop 2 - solution

## Workshop

1

User Menu  
 ▶ Customer Relationship  
 ▶ Customer  
 ▶ CRM  
 ▶ Account  
 ▶ Mandate Management  
 ▶ DD Management  
 ▶ Product Catalog  
 ▶ Retail Operations  
 ▶ Origination  
 ▶ Islamic Operations  
 ▶ Risk Management  
 ▶ Corporate Operations  
 ▶ Treasury Operations  
 ▶ Forex & Money Market Trader  
 ▶ Position Management Enquiries  
 ▶ Nostro Management  
 ▶ Front Office  
 ▶ Back Office  
 ▶ Forex  
 ▶ Money Market  
 ▶ MM Settlement Instructions  
 ▶ Authorise/Delete MM Transactions

2

Unauthorised MM Transactions

Transaction Ref	Product	Counterparty	Ccy	Principal	Value Date	Maturity Date	Status
MM2010800014	Call/NotPlcBnks	Canadian Imperial Bank of Commerce	USD	92,000.00	17 APR 2020	0	INAU
MM2010800016	Call1 / Notice1	Bank Of New York	USD	2,600,000.00	30 APR 2020	0	INAU
MM2010800017	LoansBnks(MM)	Citigroup	USD	230,000.00	17 APR 2020	18 MAY 2020	INAU
MM2010800029	Reverse Repo	Bank Of New York	USD	362,166.60	17 APR 2020	17 NOV 2020	INAU
MM2010800032	Repo	Bank Of New York	USD	411,552.95	17 APR 2020	17 JUN 2020	INAU
MM2010800036	LoansBnks(MM)	Citigroup	USD	1,000,000.00	17 APR 2020	27 APR 2020	INAU
MM2010800052	Deposits(IntBg)	Bank Of New York	USD	1,000,000.00	17 APR 2020	3	INAU
MM2010800053	Deposits(IntBg)	Bank Of Tokyo	GBP	2,000,000.00	17 APR 2020	18 JAN 2021	INAU
MM2010800063	Call/NotPlcBnks	American Express Singapore	GBP	1,000,000.00	21 APR 2020	2	INAU
MM2010800069	DepsBnks(MM)	Thomas Voigt	EUR	100,000.00	17 APR 2020	17 APR 2021	INAU

3

Money Market Deals MM/20108/00069 (Model Bank)

MM Deal Basic Details

Deal Date	17 APR 2020	17 APR
CounterParty	800270	Thoma
Category	21-032	Depositi
Currency	EUR	Euro
Principal Amount	100,000.00	
Start Date	17 APR 2020	17 APR
Maturity Date	17 APR 2021	17 APR

## Workshop 3 “Checking of the generated accounting entries”

### Workshop



- Use *User Menu > Treasury Operations > Forex & Money Market Trader > Back Office > Accounting Enquiries > View Transaction Entries*
  - Check the accounting entries generated for your deal
  - You should see:
    - 2 debit entries for your customer for the charges and the principal in STMT.ENTRY
    - A credit entry for us for the charges in CATEG.ENTRY
    - A credit entry for us for the principal in RE.CONSOLE.SPEC.ENTRY
  - Drill down to the details of each entry

**Please note:** If you don't see any accounting entries, the start date in your deal was quite likely later than “today”

## Workshop 3 - solution

### Workshop

1



2

The screenshot shows a search form titled 'List Of Entries'. It has a 'Find' button and a 'More Options' link. The search criteria are:

- Transaction Ref equals MM2010800069
- Sort by Booking Date equals
- Application equals

You may ignore the first two lines: They are generated for the *position accounting for foreign currency positions* => here: the deal was in **EUR**, but the base currency of the model bank is **USD**

3

Transaction Ref : MM2010800069

Date	Account	Customer	Company Code	Value Date	Processing Date	Currency	FCY Amount	LCY Amount	
17 APR 2020	USDEUR1401600010001	BNK		17 APR 2020	17 APR 2020	USD	0	-100.00	
17 APR 2020	EURUSD1401600010001	BNK		17 APR 2020	17 APR 2020	EUR	88.89	100.00	
17 APR 2020	92053	800270	BNK	17 APR 2020	17 APR 2020	EUR	-100,000.00	-112,493.90	
17 APR 2020	92053	800270	BNK	17 APR 2020	17 APR 2020	EUR	-88.89	-100.00	
17 APR 2020	PL52001	800270	BNK	17 APR 2020	17 APR 2020	EUR	88.89	100.00	
17 APR 2020	LIVE PRINCIPAL	800270	BNK	17 APR 2020	17 APR 2020	EUR	100,000.00	112,493.90	

## Workshop 3 - solution

### Workshop

4a

Back to: [List Of Entries >](#)

STMT.ENTRY 197867486257777.000002 (Model Bank)

Account Number	92053	
Company Code	GB-001-0001	Model
Amount Lcy	-112,493.90	
Transaction Code	401	New Di
Customer Id	800270	Thoma
Account Officer	1	Impleme
Product Category	1-001	Current ,
Value Date	17 APR 2020	17 APf
Currency	EUR	Euro
Amount Fcy	-100,000.00	
Exchange Rate	1.124939000	
Position Type	TR	TRADING
Our Reference	MM2010800069	
Currency Market	1	Currenc
Department Code	1	Implem
Trans Reference	MM2010800069	
System Id	MM	MONEY
Booking Date	17 APR 2020	17 APf

4b

Back to: [List Of Entries >](#)

STMT.ENTRY 197867486257777.000001 (Model Bank)

Account Number	92053	
Company Code	GB-001-0001	Mode
Amount Lcy	-100.00	
Transaction Code	961	Comm
Customer Id	800270	Thom
Account Officer	1	Implem
Product Category	1-001	Current
Value Date	17 APR 2020	17 APf
Currency	EUR	Euro
Amount Fcy	-88.89	
Exchange Rate	1.124939000	
Position Type	TR	TRADING
Our Reference	MM2010800069	
Currency Market	1	Currenc
Department Code	1	Implem
Trans Reference	MM2010800069;1	
System Id	MM	MONEY
Booking Date	17 APR 2020	17 APf



## Workshop 3 - solution

Workshop

4c

CATEG.ENTRY 197867486257777.000001 (Model Bank)		
Company Code	GB-001-0001	Model Bank
Amount Lcy	100.00	
Transaction Code	962	Commission Received
Pl Category	52-001	Account Closure Comm
Customer Id	800270	Thomas Voigt
Account Officer	1	Implementation
Product Category	21-032	Deposits from Banks(MM)
Value Date	17 APR 2020	17 APR 2020
Currency	EUR	Euro
Amount Fcy	88.89	
Exchange Rate	1.124939000	
Position Type	TR	TRADING POSITION
Our Reference	MM2010800069	
Currency Market	1	Currency Market
Department Code	1	Implementation
Trans Reference	MM2010800069;1	
System Id	MM	MONEY MARKET
Booking Date	17 APR 2020	17 APR 2020
Stmt No.1	197867486257777.00	

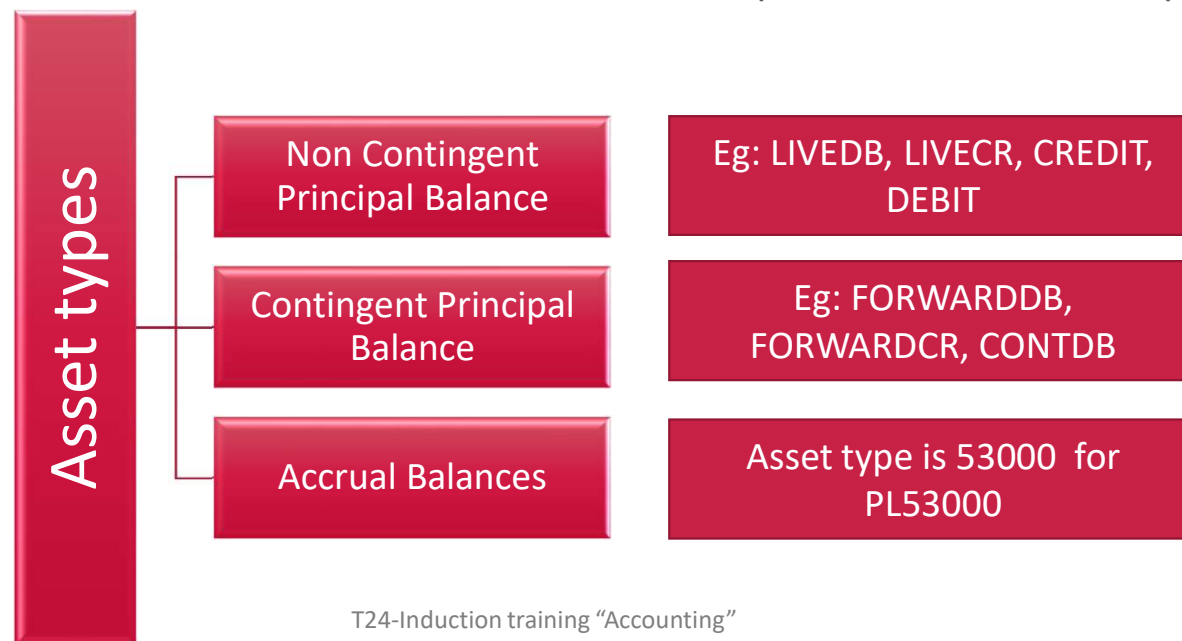
4d

RE.CONSOLE.SPEC.ENTRY 197867486257777.000001 (Model Bank)		
Deal Number	MM2010800069	
Company Code	GB-001-0001	Model Bank
Amount Lcy	112,493.90	
Transaction Code	LNW	LIVE PRINCIPAL
Consol Key Type	MM.1.TR.EUR.21032.1001.DE.5Y.....1000.....GB0010001.LIV	
Narrative.1	20210417	
Customer Id	800270	Thomas Voigt
Account Officer	1	Implementation
Product Category	21-032	Deposits from Banks(MM)
Value Date	17 APR 2020	17 APR 2020
Currency	EUR	Euro
Amount Fcy	100,000.00	
Exchange Rate	1.124939000	
Position Type	TR	TRADING POSITION
Our Reference	MM2010800069	



## Asset types in T24

- Balances are grouped according to different nature of Assets / Liabilities
- Asset types are hardcoded in T24 – except the AA-module and the IFRS-module
- The asset type is part of each consolidation key in CATEG.ENTRY and RE.CONSOLE.SPEC.ENTRY. The consolidation is explained in the next chapter



## Checking of values in asset types for trades

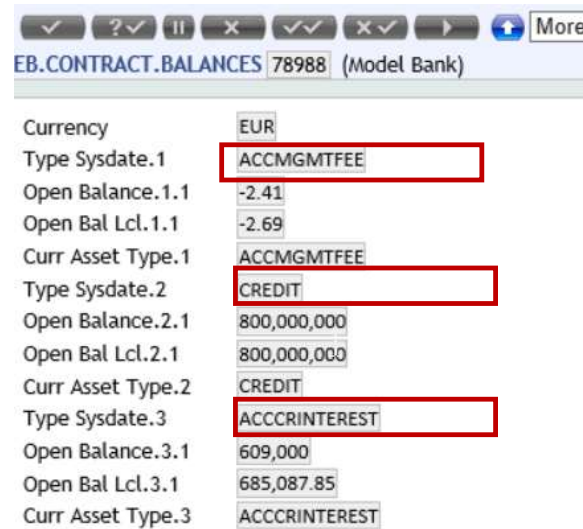
The actual situation and amounts can be checked in detail in the EB.CONTRACT.BALANCES table. Here you can check per account / deal the details.

In the sample on the right the record for the AA account **78988** is displayed. For AA the asset types are defined manually

The different asset types are marked in **red**.

For this account we see the balances for the asset types:

- **ACCMGMTFEE**: Accrued management fee
- **CREDIT**: Balance of the account
- **ACCCRINTEREST**: Accrued credit interest



EB.CONTRACT.BALANCES 78988 (Model Bank)	
Currency	EUR
Type Sysdate.1	ACCMGMTFEE
Open Balance.1.1	-2.41
Open Bal Lcl.1.1	-2.69
Curr Asset Type.1	ACCMGMTFEE
Type Sysdate.2	CREDIT
Open Balance.2.1	800,000,000
Open Bal Lcl.2.1	800,000,000
Curr Asset Type.2	CREDIT
Type Sysdate.3	ACCCRINTEREST
Open Balance.3.1	609,000
Open Bal Lcl.3.1	685,087.85
Curr Asset Type.3	ACCCRINTEREST

## Workshop 4 “Checking of the balances in a contract”

### Workshop



- Specify in the command line the command ***EB.CONTRACT.BALANCES***
  - In the now opened screen check the balance of you deposit from workshop 1.
  - For doing so: Specify the contract Id for your Money market deposit

## Workshop 4 - solution

### Workshop

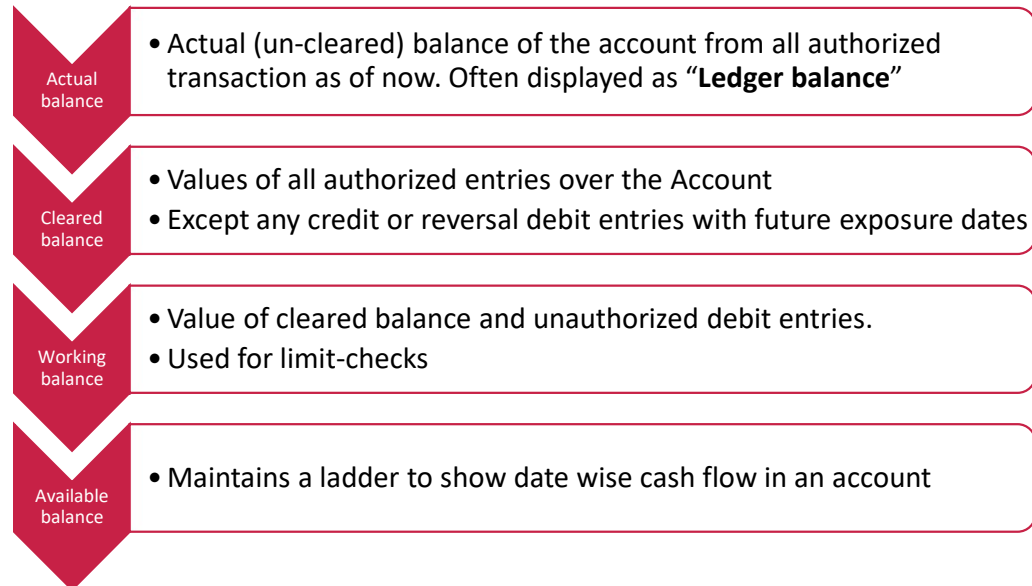
1

2

3   (Model Bank)

Currency	EUR	
Type Sysdate.1	LIVECR-20200417	
Mat Date.1.1	17 APR 2021	17 APR 2021
Credit Mvmt.1.1	100,000	
Cr Mvmt Lcl.1.1	112,493.9	
Curr Asset Type.1	LIVECR	
Consol Key	MM.1.TR.EUR.21032.1001.DE.5Y.....1000.....GB0010001	
Co Code	GB0010001	Model Bank
Application	MM.MONEY.MARKET	
Product	MM	
Date Last Update	17 APR 2020	17 APR 2020
Customer	800270	

## Account Balances in T24



Sample for the balances held in an AA account

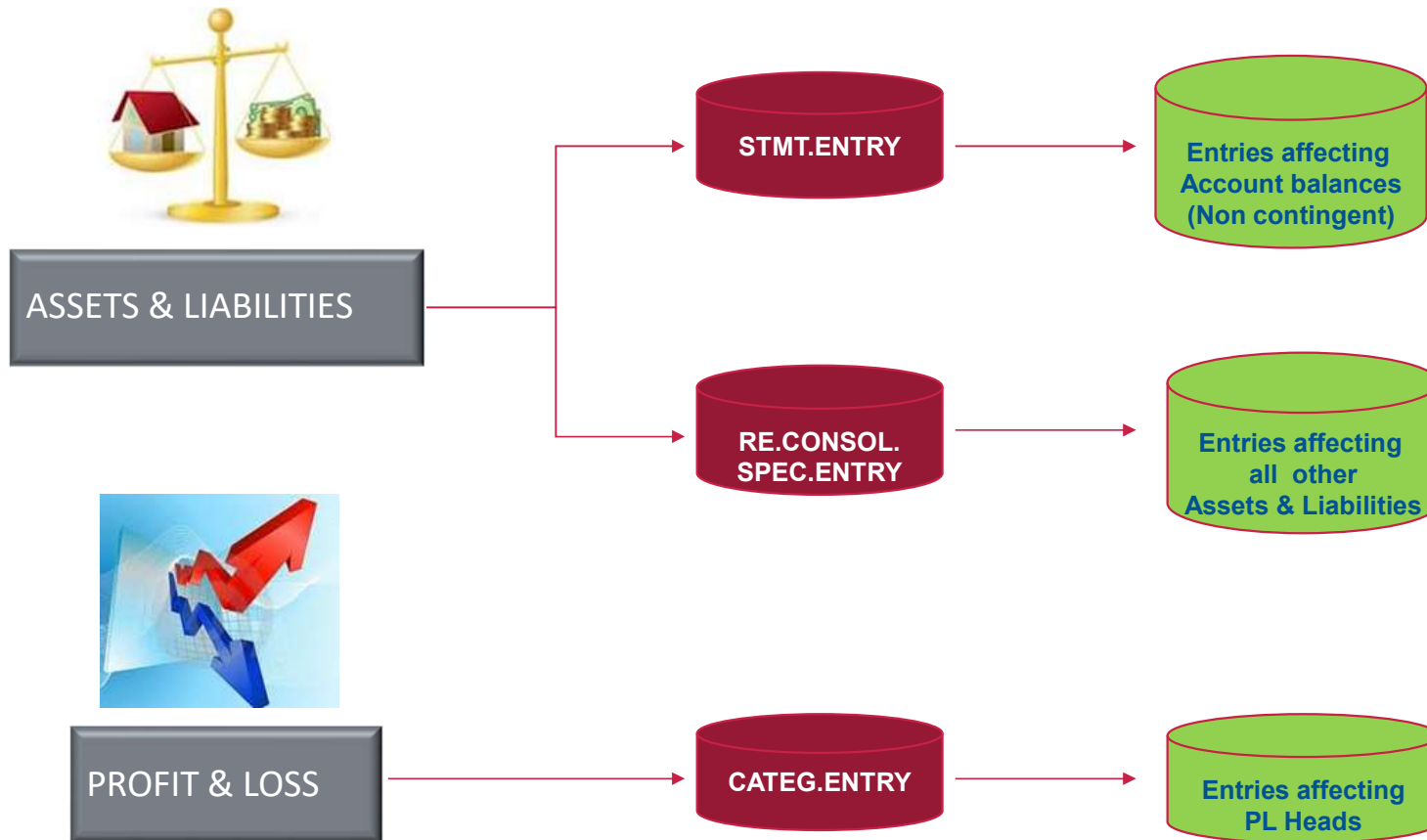
### Balances

Ledger	Cleared	Working	Locked	Available
8,011,649.56	8,011,649.56	8,009,305.28	0.00	8,009,305.28

- 01 Learning objectives
- 02 Basic information and type of accounting entries
- 03 Consolidation / grouping**
- 04 Financial reports



## Repetition: Main tables for accounting entries



# Virtual accounting

For the creation of the financial reports no physical accounts need to be defined

Instead “virtual” accounts will be used, which will be automatically filled with the correct information from the underlying STMT.ENTRYs, RE.CONSOLE.SPEC.ENTRYs and the CATEG.ENTRYs

General Ledger  
with definable  
groupings



Elements for GL heads  
definable

GL Heads auto formed



Auto Regrouping when  
grouping element changed

Maintains opening & closing  
balances and debit & credit  
movements

Reporting  
Requirements

Metropolitan Arts & Crafts  
Balance Sheet  
As of 12/31

		As of 12/31
<b>Assets</b>		
<b>Current Assets</b>		
<b>Cash</b>		
1001 - Petty Cash		50.00
1005 - Operating Account - Chicago		1,304.85
<b>Total Cash</b>		<b>1,354.85</b>
<b>Accounts Receivable</b>		
1500 - Accounts Receivable		8,664.56
<b>Total Accounts Receivable</b>		<b>8,664.56</b>
<b>Other Current Assets</b>		
1015 - Merchandise Inventory		27,738.50
<b>Total Other Current Assets</b>		<b>27,738.50</b>
<b>Total Current Assets</b>		<b>37,787.91</b>
<b>Fixed Assets</b>		
1600 - Delivery Van		35,000.00
<b>Total Fixed Assets</b>		<b>35,000.00</b>
<b>Total Assets</b>		<b>72,787.91</b>



## Connection of accounting & reporting – high level

Until now we have seen the basic accounting tables STMT.ENTRY, RE.CONSOL.SPEC.ENTRY and CATEG.ENTRY

To produce meaningful financial reports, the accounting entries need to be consolidated by free definable criterias.

**Please note:** “Consolidation” means nothing else then grouping

**Example:**

- A bank would like to report in a single line all disbursements of Money market loans in EUR for german individual customers
- Then the following grouping criteria for the consolidation need to be defined:

➡ “Table, asset type, CATEGORY of the deals, SECTOR and RESIDENCE of the underlying CUSTOMERs”

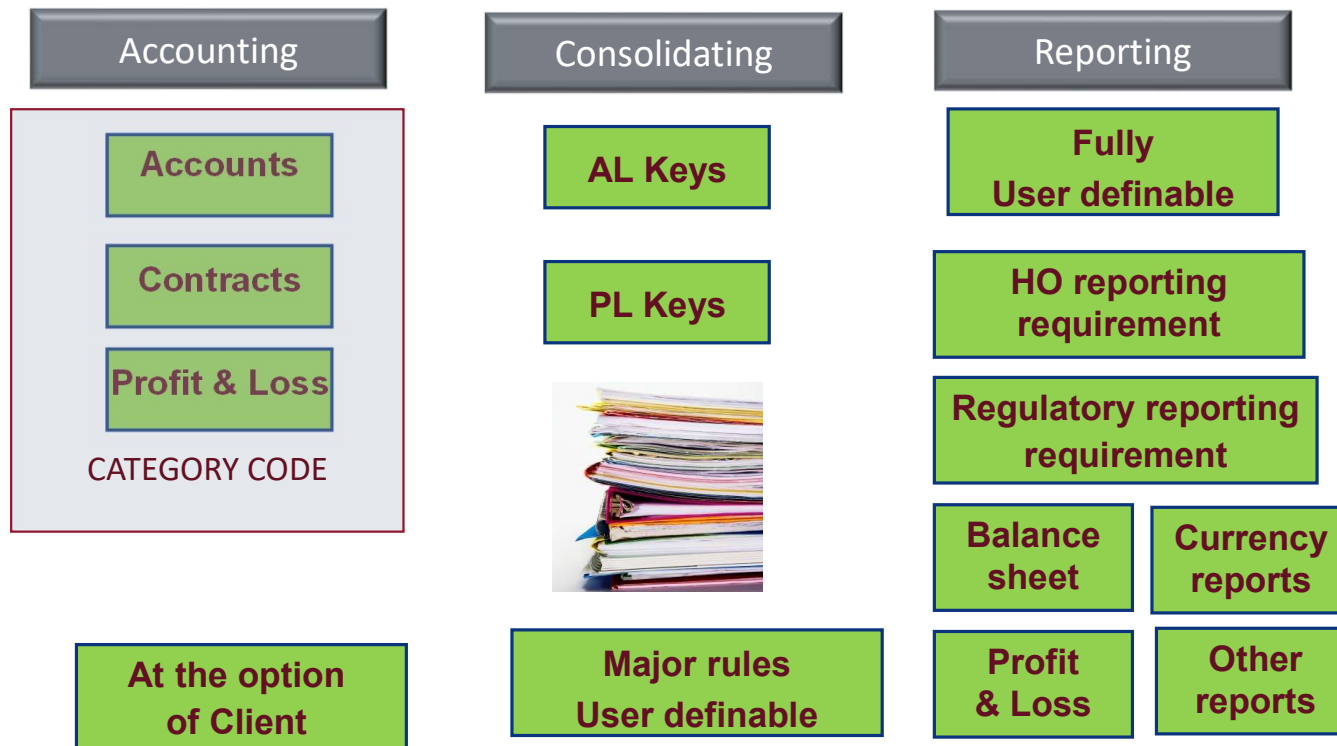
Now you may have 5 RE.CONSOL.SPEC.ENTRYs, which fit into the above mentioned criterias.

➡ Then all the amounts in those RE.CONSOL.SPEC.ENTRYs for the correct asset type (here: LIVEDB) will be added and the sum get’s displayed in the respective line in the report

**Please note:** For the definition of the financial reports T24 will evaluate the consolidated accounting records. How they are built, will now be explained

## Connection of accounting & reporting – high level

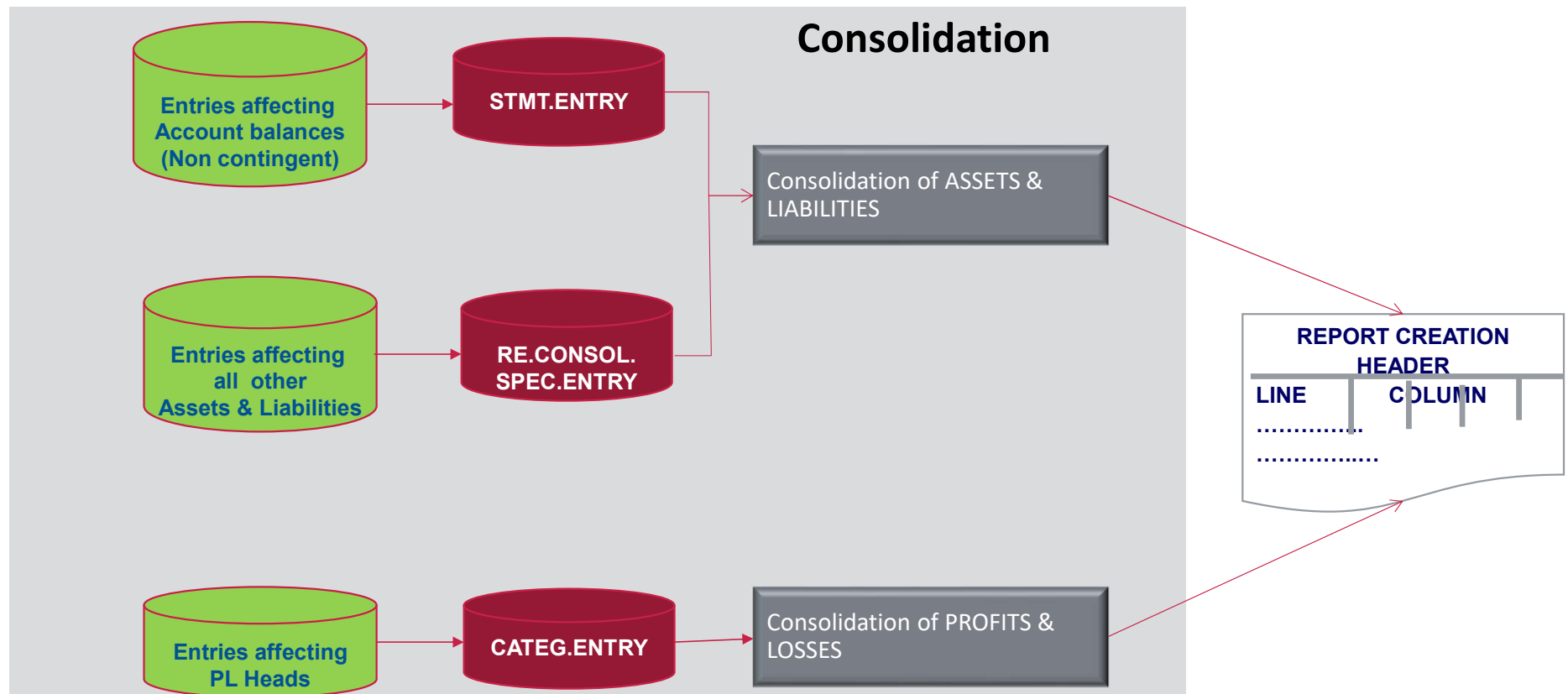
Financial accounting and reporting is very flexible



## Connection of accounting & reporting – high level

**This overview you may remember from the beginning of the course...**

The focus in this chapter is on the consolidation part (the grey marked area). In the next chapter the report creation is explained



## Definition of consolidation criteria

First the grouping criteria must be defined, how the accounting entries should be group / consolidated

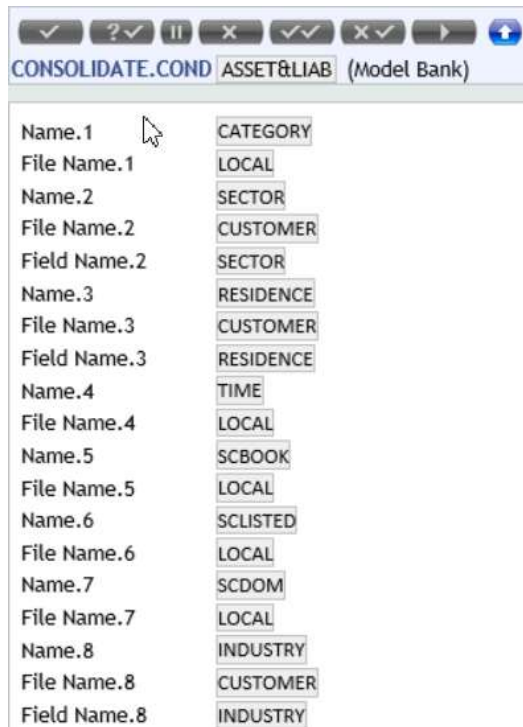
This is done in the **CONSOLIDATE.COND** table. In this table two records are available under hard coded Id's

- The record used for the consolidation of the *assets and liabilities* is "**ASSET&LIAB**"
- The record used for the consolidation of the *profit and losses* is "**PROFIT&LOSS**"

The two records are shown and explained in detail in the next two slides.

**Please note:** During the life cycle of a project those criterias will normally be amended – but **only by T24 experts**

## Consolidation criteria for assets and liabilities in the model bank



Name.1	CATEGORY
File Name.1	LOCAL
Name.2	SECTOR
File Name.2	CUSTOMER
Field Name.2	SECTOR
Name.3	RESIDENCE
File Name.3	CUSTOMER
Field Name.3	RESIDENCE
Name.4	TIME
File Name.4	LOCAL
Name.5	SCBOOK
File Name.5	LOCAL
Name.6	SCLISTED
File Name.6	LOCAL
Name.7	SCDOM
File Name.7	LOCAL
Name.8	INDUSTRY
File Name.8	CUSTOMER
Field Name.8	INDUSTRY

**Four criteria are hardcoded and not displayed in the screen.**

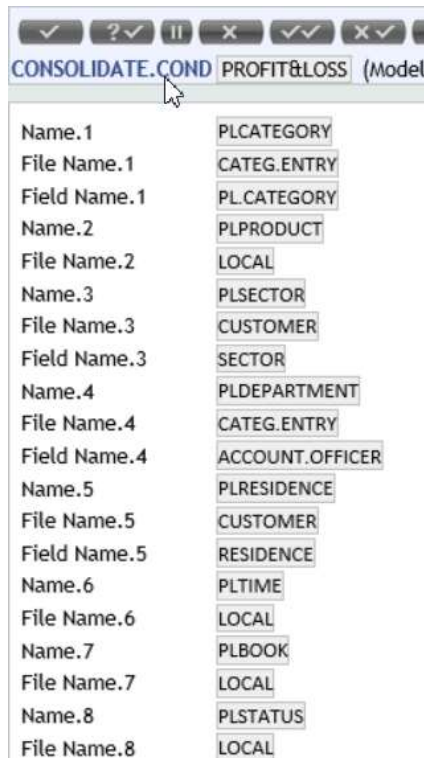
They are the **module**, the **currency**, the **type of accounting entry** and the **currency market**

**It can be defined up to 12 additional criteria**

In the model bank the following 8 criteria are added

- Field “**Name.1**”: CATEGORY = type of underlying account or product
- Field “**Name.2**”: SECTOR of customer = type of underlying customer – i.e. individual customer
- Field “**Name.3**”: RESIDENCE of customer = country of residence of underlying customer
- Field “**Name.4**”: TIME = remaining time until maturity of contracts – i.e. for loans
- Field “**Name.5**”: SCBOOK (ONLY for securities): Id of the underlying own book portfolio
- Field “**Name.6**”: SCLISTED = Security is quoted or listed; for other modules: overdue status of contracts
- Field “**Name.7**”: SCDOM (ONLY for securities) = Domicile of the traded security
- Field “**Name.8**”: INDUSTRY of customer = sub type of underlying customer – i.e. “Engaged in tobacco industry”

## Consolidation criteria for assets and liabilities in the model bank



Name.1	PLCATEGORY
File Name.1	CATEG.ENTRY
Field Name.1	PL.CATEGORY
Name.2	PLPRODUCT
File Name.2	LOCAL
Name.3	PLSECTOR
File Name.3	CUSTOMER
Field Name.3	SECTOR
Name.4	PLDEPARTMENT
File Name.4	CATEG.ENTRY
Field Name.4	ACCOUNT.OFFICER
Name.5	PLRESIDENCE
File Name.5	CUSTOMER
Field Name.5	RESIDENCE
Name.6	PLTIME
File Name.6	LOCAL
Name.7	PLBOOK
File Name.7	LOCAL
Name.8	PLSTATUS
File Name.8	LOCAL

### One criteria is hardcoded and not displayed in the screen.

It is the Profit and loss CATEGORY = mostly “PL”, other values like “PLIF” for P/Ls calculates in the IFRS accounting are allowed

### It can be defined up to 12 additional criteria

In the model bank the following 8 criteria are added

- Field “**Name.1**”: PLCATEGORY = type of P/L – i.e. “51001” = “Interest income” for us
- Field “**Name.2**”: PLPRODUCT = type of underlying account or product for the P/L made
- Field “**Name.3**”: PLSECTOR of customer = type of underlying customer – i.e. individual customer
- Field “**Name.4**”: PLDEPARTMENT = responsible RM for the PL – fetched from the DEPT.ACCT.OFFICER table
- Field “**Name.5**”: PLRESIDENCE of customer = country of residence of underlying customer
- Field “**Name.6**”: PLTIME = remaining time until maturity of contracts – i.e. for loans
- Field “**Name.7**”: PLBOOK (ONLY for securities): Id of the underlying own book portfolio
- Field “**Name.8**”: PLSTATUS = Security is quoted or listed; for other modules: overdue status of contracts

## Consolidation in the COB

Based on the criteria defined in the CONSOLIDATE.COND table in the COB of each day the accounting entries in the tables STMT.ENTRY, RE.CONSOL.SPEC.ENTRY and CATEG.ENTRY get grouped / consolidated in the following two tables:

- CONSOLIDATE.ASST.LIAB = “**CAL keys**” = consolidated entries for assets and liabilities
- CONSOLIDATE.PRFT.LOSS = “**CPL keys**” = consolidated entries for profits and losses

Each RE.CONSOL.SPEC.ENTRY and CATEG.ENTRY record contains the so called “**Consol key**”: This is nothing else then the information, which CAL- or CPL-key shall be updated by the entry

An example on the for this dependency is shown on the next slides

## Samples for consolidation keys

Here the **Consol keys** for the CATEG.ENTRY and the RE.CONSOLE.SPEC.ENTRY for the deal performed in workshop 1 are highlighted

CATEG.ENTRY 197861063551680.040001 (Model Bank)		
Transaction Code	962	Commission Received
PI Category	52-001	Account Closure Comm
Customer Id	800270	Thomas Voigt
Account Officer	1	Implementation
Product Category	21-077	Loans to Banks (MM)
Value Date	17 APR 2020	17 APR 2020
Currency	EUR	Euro
Amount Fcy	88.89	
Exchange Rate	1.124939000	
Position Type	TR	TRADING POSITION
Our Reference	MM2010800068	
Currency Market	1	Currency Market
Department Code	1	Implementation
Trans Reference	MM2010800068;1	
System Id	MM	MONEY MARKET
Booking Date	17 APR 2020	17 APR 2020
Stmnt No.1	197861063551680.04	
Stmnt No.2	1-4	
Stmnt No.3	1	
Curr No	1	
Inputter.1	177_INPUTTER_OFS_BROWSERTC	
Date Time.1	03 MAR 22 14:21	03 MAR 22 14:21
Authoriser	177_INPUTTER	
Crf Prod Cat	21-077	Loans to Banks (MM)
Dealer Desk	00	
Counterparty	800270	Thomas Voigt
Liquidation Mode	AUTOMATIC	
Repayment Date	17 APR 2020	17 APR 2020
Repayment Type.1	CH	Charge Amount
Repayment Amt.1	-88.89	
Outstanding Bal	-1,000,000.00	
Contract Int Rate	2.00	
Consol Key	PL 52001.21077.1001.1.DE.5Y.....GB0010001	

### Meaning CAL key shown on the right:

**Money market deal in EUR of CATEGORY 21077** (= "Loans to Banks (MM)") granted to an individual customer (SECTOR = **1001**), who is a "Private Person (Name => INDUSTRY = **1000**)" and who has the residence **Germany**. The deal will mature within the next 5 years (value "**5Y**"). The deal was performed in the GB model bank (**GB0010001**)  
The **ASSET.TYPE** is "**LIVEDB**" = Debit with the principal

RE.CONSOLE.SPEC.ENTRY 197861063551680.040001 (Model Bank)		
Deal Number	MM2010800068	
Company Code	GB-001-0001	Model Bank
Amount Lcy	-1,124,939.00	
Transaction Code	LNW	LIVE PRINCIPAL
Consol Key Type	MM.1.TR.EUR.21077.1001.DE.5Y.....1000.....GB0010001.LIVEDB	
Narrative.1	20210417	
Customer Id	800270	Thomas Voigt
Account Officer	1	Implementation
Product Category	21-077	Loans to Banks (MM)
	2020	17 APR 2020
	000.00	Euro

### Meaning CPL key shown on the left:

Profit in CATEGORY **52001** (= Account Closure Comm) in a deal of CATEGORY **21077** (= "Loans to Banks (MM)") granted to an individual customer (SECTOR = **1001**) with residence in **Germany**. For the deal the account officer "**1**" is responsible, the deal will mature within the next 5 years (value "**5Y**"). The deal was performed in the GB model bank (**GB0010001**)  
The **ASSET.TYPE** is the PL category itself = **52001**



## CAL- and CPL-records (2)

Here the CAL- and CPL-records are displayed, which get's updated with the balances of the two CATEG.ENTRY and the RE.CONSOLE.SPEC.ENTRY records from the previous slide.

T24 does know, which CAL- and CPL-record to update because of the **Consol keys** in those records

- The RE.CONSOLE.SPEC.ENTRY record from the previous slide would update a CAL record which has the Id **MM.1.TR.EUR.21077.1001.DE.5Y....1000.....GB0010001**
- The CATEG.ENTRY record from the previous slide would update a CPL record which has the Id **PL.52001..1001.1.DE.....GB0010001.**

Samples of CAL and CPL-records are shown at the next slide

**Please note:** There is a bug in the model bank system. Because of this the screenshots are taken from another system. So that are NOT the screenshots for the CAL and CPL records above

## CAL- and CPL-records (2)

### Sample CAL-record

CONSOLIDATE.ASST.LIAB MM.1.TR.EUR.21077..2001.....LU0010001	
Applic Id	MM
Currency Market	1 Currency Market
Position Type	TR TRADING POSITION
Currency	EUR EUROS
Category	21077
Sector	2001
Date Last Update	03/03/2022 03/03/2022
Type.1	51001
Debit Movement.1	-55.56
Mat Date.1.1	03/03/2023 03/03/2023
Schd Amount.1.1	-55.56
Type.2	LIVEDB
Debit Movement.2	-1,000,000.00
Mat Date.2.1	03/03/2023 03/03/2023
Schd Amount.2.1	-1,000,000.00

### Sample CPL-record

Back to: CONSOLIDATE.PRFT.LOSS - Default List >	
CONSOLIDATE.PRFT.LOSS PL.50001.1001.2001.....LU0010001	
Applic Id	PL
Plcategory	50001
Plprodl	1001
Plsector	2001
Date Last Update	03/03/2022 03/03/2022
Currency.1	TRY TURKISH LIRA (NEW)
Balance.1	-0.02
Debit Movement.1	-0.01
Ccy Balance.1	-0.11
Ccy Debit Mve.1	-0.05
Balance Ytd.1	-0.33
Ccy Balance Ytd.1	-3.19

## Workshop 5 “Checking of the Consol keys”

### Workshop



- **Use *User Menu > Treasury Operations > Forex & Money Market Trader > Back Office > Accounting Enquiries > View Transaction Entries***
  - Check again the accounting entries generated for your deal done in workshop 1
  - Just check the CATEG.ENTRY- and the RE.CONSOL.SPEC.ENTRY- records for their Consol keys and try to understand, how the Id's of those are built

## Workshop 5 - solution

### Workshop

1



2

The screenshot shows the 'List Of Entries' search form. The 'Transaction Ref' field is set to 'equals' and the value 'MM2010800069' is entered. The 'Sort by Booking Date' is set to 'equals'. The 'Application' is set to 'equals'. The 'Find' button is highlighted with a red box.

The last two lines contain the CATEG.ENTRY- and the RE.CONSOLE.SPEC.ENTRY-record

3

Transaction Ref : MM2010800069

Date	Account	Customer	Company Code	Value Date	Processing Date	Currency	FCY Amount	LCY Amount	
17 APR 2020	USDEUR1401600010001	BNK		17 APR 2020	17 APR 2020	USD	0	-100.00	
17 APR 2020	EURUSD1401600010001	BNK		17 APR 2020	17 APR 2020	EUR	88.89	100.00	
17 APR 2020	92053	800270	BNK	17 APR 2020	17 APR 2020	EUR	-100,000.00	-112,493.90	
17 APR 2020	92053	800270	BNK	17 APR 2020	17 APR 2020	EUR	-88.89	-100.00	
17 APR 2020	PL52001	800270	BNK	17 APR 2020	17 APR 2020	EUR	88.89	100.00	
17 APR 2020	LIVE PRINCIPAL	800270	BNK	17 APR 2020	17 APR 2020	EUR	100,000.00	112,493.90	

## Workshop 5 - solution

### Workshop

4a

CATEG.ENTRY 197861063551680.040001 (Model Bank)		
Transaction Code	962	Commission Received
Pl Category	52-001	Account Closure Comm
Customer Id	800270	Thomas Voigt
Account Officer	1	Implementation
Product Category	21-077	Loans to Banks (MM)
Value Date	17 APR 2020	17 APR 2020
Currency	EUR	Euro
Amount Fcy	88.89	
Exchange Rate	1.124939000	
Position Type	TR	TRADING POSITION
Our Reference	MM2010800068	
Currency Market	1	Currency Market
Department Code	1	Implementation
Trans Reference	MM2010800068;1	
System Id	MM	MONEY MARKET
Booking Date	17 APR 2020	17 APR 2020
Stmnt No.1	197861063551680.04	
Stmnt No.2	1-4	
Stmnt No.3	1	
Curr No	1	
Inputter.1	177_INPUTTER_OFS_BROWSERTC	
Date Time.1	03 MAR 22 14:21	03 MAR 22 14:21
Authoriser	177_INPUTTER	
Crf Prod Cat	21-077	Loans to Banks (MM)
Dealer Desk	00	
Counterparty	800270	Thomas Voigt
Liquidation Mode	AUTOMATIC	
Repayment Date	17 APR 2020	17 APR 2020
Repayment Type.1	CH	Charge Amount
Repayment Amt.1	-88.89	
Outstanding Bal	-1,000,000.00	
Contract Int Rate	2.00	
Consol Key	PL52001.21077.1001.1.DE.5Y.....GB0010001	
Processing Date	20200417	

4b

RE.CONSOLE.SPEC.ENTRY 197861063551680.040001 (Model Bank)		
Deal Number	MM2010800068	
Company Code	GB-001-0001	Model Bank
Amount Lcy	-1,124,939.00	
Transaction Code	LNW	LIVE PRINCIPAL
Consol Key Type	MM.1.TR.EUR.21077.1001.DE.5Y....1000.....GB0010001.LIVEDB	
Narrative.1	20210417	
Customer Id	800270	Thomas Voigt
Account Officer	1	Implementation
Product Category	21-077	Loans to Banks (MM)
Value Date	17 APR 2020	17 APR 2020
Currency	EUR	Euro
Amount Fcy	-1,000,000.00	
Exchange Rate	1.124939000	
Position Type	TR	TRADING POSITION
Our Reference	MM2010800068	

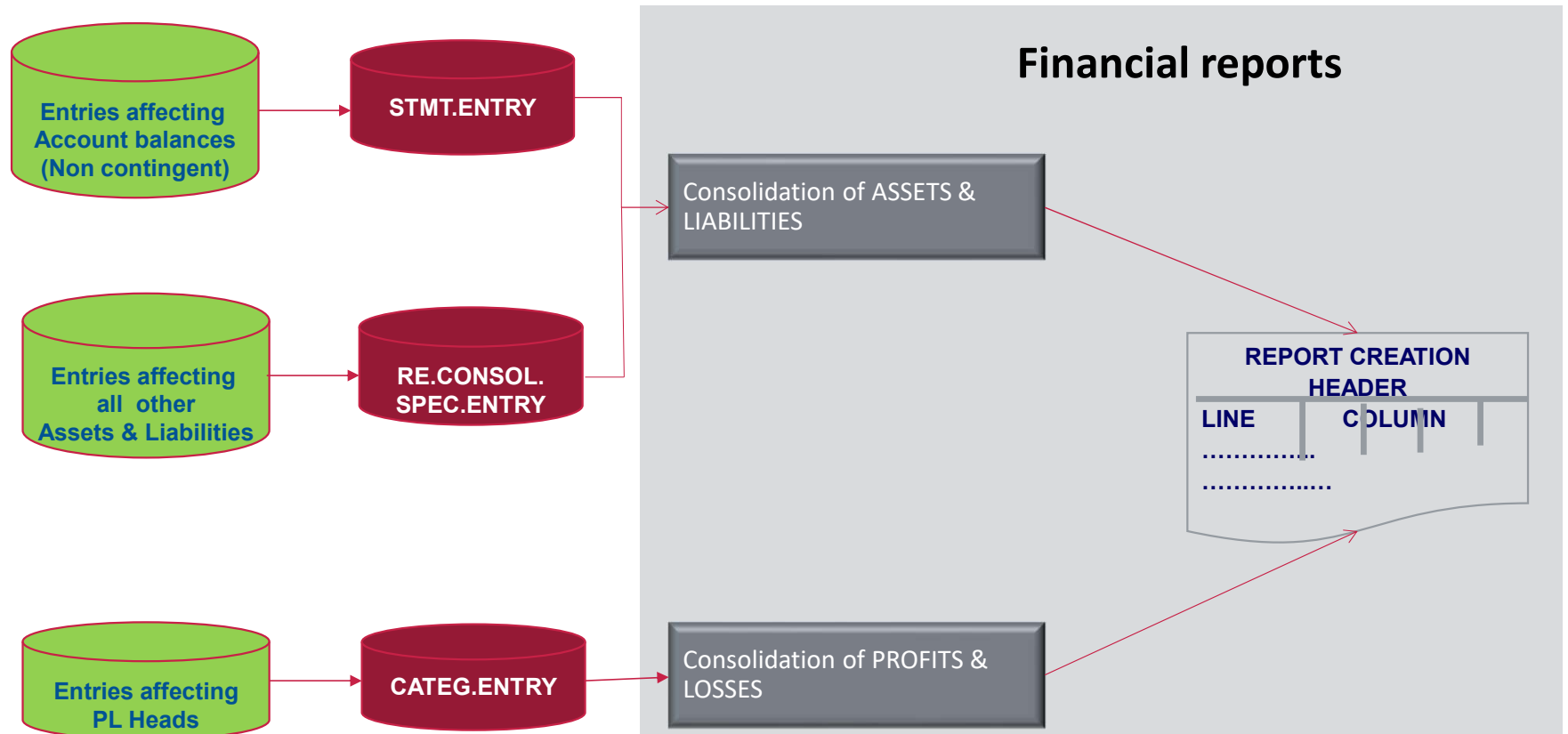
- 01 Learning objectives
- 02 Basic information and type of accounting entries
- 03 Consolidation / grouping
- 04 **Financial reports**



## Connection of accounting & reporting – high level

**Again the overview from the beginning of this training**

The focus in this chapter is on the report creation



# Definition of financial reports

## Reports are built by the header-, column- and line-definitions

What for CAL- or CPL-keys shall be evaluated for a line in the report, is the mayor part of the **line definition**



- Deposits
- Loans

HEADER			
LINE - 1			
LINE - 2			
LINE - 3			
	I C O L U M N	II C O L U M N	III C O L U M N
Central Reporting Base – CAL and CPL Keys Select additional information from Account and Contract Balances			

- opening balance
- closing balance
- total credit
- transactions
- total



## Line definition for assets and liabilities

When defining such a line for a report, you specify which **CAL-key(s)** shall be evaluated

### Example:

You want to have one line in the “General ledger” report, which evaluates the following assets and liabilities-position:

**Principal amounts of money market** deals in **EUR** of CATEGORY **21077** (= “Loans to Banks (MM)”) granted to an individual customer (SECTOR = **1001**), who is a “Private Person (Name => INDUSTRY = **1000**)” and who has the residence **Germany**. The deal will mature within the next 5 years (value “**5Y**”). The deal was performed in the GB model bank (**GB0010001**) The **ASSET.TYPE** is “**LIVEDB**” = **Debit with principal**



**This means in T24 language:** you want to get reported the CAL-record with the Id mentioned below

Consol Key Type	MM.1.TR.EUR.21077.1001.DE.5Y.....1000.....GB0010001.LIVEDB
-----------------	--

How this line must be defined, is shown on the next slide

## Line definition for assets and liabilities

Lines are defined in the table **RE.STAT.REP.LINE**

Each part of the Consol key (except the company GB0010001) is a part in the line definition

Consol Key Type    MM.1.TR.EUR.21077.1001.DE.5Y.....1000.....GB0010001.LIVEDB

The line definition shown here will be the line “100” in the financial report with the internal name “**MBGL**” (= Model bank general ledger-report)

Report Line MBGL.100 (Model Bank)

AL Details    PL Details    Link to Re Stat Name

Asset Applic Id.1    Mm

Asset Ccy Mkt.1    ✓

Asset Pos Type.1    ✓

Asset Currency.1    EUR

Category.1    21077

Sector.1    1001

Residence.1    DE

Time.1    5Y

Sc Book.1   

Sc Listed.1   

Sc Dom.1   

Industry.1   

Asset Type.1    LIVEDB

## Line definition for profits and losses

When defining such a line for a report, you specify which **CPL-key(s)** shall be evaluated

### Example:

You want to have one line in the “General ledger” report, which evaluates the following profit and losses-position:

Profits in CATEGORY **52001** (= Account Closure Comm) in a deal of CATEGORY **21077** (= “Loans to Banks (MM)”) granted to an individual customer (SECTOR = **1001**) with residence in **Germany**. For the deal the account officer “**1**” is responsible, the deal will mature within the next 5 years (value “**5Y**”). The deal was performed in the GB model bank (**GB0010001**)  
The **ASSET.TYPE** is the PL category itself = **52001**



**This means in T24 language:** you want to get reported the CPL-record with the Id mentioned below

Consol Key

PL.52001.21077.1001.1.DE.5Y.....GB0010001

How this line must be defined, is shown on the next slide

## Line definition for profits and losses

Lines are defined in the table **RE.STAT.REP.LINE**

Each part of the Consol key (except the company GB0010001 is a part in the line definition

Consol Key PL.52001.21077.1001.1.DE.5Y.....GB0010001

The line definition shown here will be the line “200” in the financial report with the internal name “**PMBGL**” (= Model bank general ledger-report for profit and losses)

Report Line **PMBGL.200**

AL Details | **PL Details** | Link to Re

Profit Applic Id.1  PI

Category.1 52001

Product.1 21077

Sector.1 1001

Department.1 1

Residence.1 DE

Time.1

Book.1

Status.1

Profit Currency.1 **EUR**

The “EUR” was added, because our deal in workshop 1 was in EUR => The CPL keys contain the amounts currency wise

## Generation of the financial reports

The financial reports get generated in the COB

You may check the reports generated via the enquiry REPORT.LIST, which you must run from *command line*.

In the example below the “**MBGL**” report (= Model bank general ledger-report) shall be checked, which was generated at the **19.07.2020** (calendar date)

4 –the financial report MBGL

The line **MBGL.100** will be only included after the next COB

1

2 

REPORT.LIST [More Options](#) [Clear Selection](#)

REPORT.NAME contains MBGL

@ID equals

3 

BNK	CRF.MBGL	19 JUL 2020	11:07	Yes	19194276064004900
-----	----------	-------------	-------	-----	-------------------

RE000010 MODEL BANK.		MB GENERAL LEDGER
AREA NAME		
TO:		( IN FULL A
LINE	DESCRIPTION	CLOSING BALANCE'
----	-----	-----
0030	- Cash	-94,877,750.02
0120	- Commercial Bills	1,557,820.97
0170	- Foreign Checks for Coll	-20,919.77
0180	- Exp Bill Paid Under Reserve	0.00
0230	. Due from Banks Nostro	-429,267,101.15
0240	. Due from Banks Vostro	-100,221,619.23
0260	. Due from Banks Call	-6,203,000.00
0270	. Due from Banks Notice	-2,252,656.00
0320	. Upto 6 months	-23,813,144.23
0330	. Upto 1 year	-80,000.00
0470	3.7 - Reverse Repos	-1,636,417.86
0485	. Derivatives held in Trading	-2,660,707.57
0530	- Overdrafts	-93,574,840.77
0620	. Due frm Clients Call/Notice	-300,000.00
0750	Loans Interest bearing	-735,000.00
0760	- Annuity Loan	-2,029,272.05
0770	- Bridge Loan	-1,120,695.89
0820	- Project Loan	-105,001,337.63
0830	- Construction Loan	-575,000.00



**Thank you**

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