

Simple scenario Accounting Schedules MS NAV 2016

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Reason	:	Orientation in the MS Dynamics NAV 2016. Material helping to understand basic discount principles and one basic type of financial reporting (accounting schedules)
For	:	MPH_AOMA, MPH_AOPR, PIS1, PIS2, EPS1 and MPH_RIOP BPH_PIS1 and MPH_RIOP for summer terms 2018
Used database	:	MS Dynamics NAV 2016/17 W1 (British one) – RTS MS Dynamics NAV 2016/17 Czech – RTS
Used abbreviations	:	Q=question, G/L=General Ledger, Simple Scenario = SS, PWP=Power-Point
Accompanying material:		PWP-Accounting Schedules

1. Useful tool to create new financial reports used for financial analysis without programming. This tool complements standard mighty reporting system (hundreds of reports)
2. Basic financial reporting is done by running user defined reports called Account Schedules. This is, beside hundreds of predefined and existing reports, basic tool to access data of vital importance. All these reports use as a resource data General Ledger Entries created automatically by posting various documents (e.g. Sales and Purchase orders) by key F9. You can also calculate different parameters such as **IRR, ROI** and many more.
3. IRR= Internal Rate of Return -> is the discount rate that makes the net present value (NPV) of a project zero. In other words, it is the expected rate of return that will be earned on a project or investment. When calculating IRR, expected cash flows for a project or investment are given, and the NPV equals zero.

$$0 = CF_0 + \frac{CF_1}{(1 + IRR)} + \frac{CF_2}{(1 + IRR)^2} + \frac{CF_3}{(1 + IRR)^3} + \dots + \frac{CF_n}{(1 + IRR)^n}$$

Or

$$0 = NPV = \sum_{n=0}^N \frac{CF_n}{(1 + IRR)^n}$$

Where:

CF_0 = Initial Investment / Outlay

$CF_1, CF_2, CF_3 \dots CF_n$ = Cash flows

n = Each Period

N = Holding Period

NPV = Net Present Value

IRR = Internal Rate of Return

4. Return on Investment (ROI) is a performance measure used to evaluate the efficiency of an investment or compare the efficiency of a number of different investments. ROI tries to directly measure the amount of return on an particular investment, relative to the investment's cost. To calculate ROI, the benefit (or return) of an investment is divided by the cost of the investment. The result is expressed as a percentage or a ratio.

$$\text{ROI} = (\text{Gain from Investment} - \text{Cost of Investment}) / \text{Cost of Investment}$$

5. Go to menu **Financial management ->General Ledger ->Reporting & Analysis ->Analysis & Reporting**. There you can see a list of the **Account Schedules**.

The screenshot shows a software window titled "Edit - Account Schedule Names" for "CRONUS International Ltd.". The window has a ribbon interface with tabs for "HOME", "Process", "Report", "Show Attached", and "Page". The "HOME" tab is active, showing options like "New", "Edit List", "Delete", "Overview...", "Edit Account Schedule", "Edit Column Layout Setup...", "Print...", "OneNote", "Notes", "Links", "Refresh", and "Find". Below the ribbon is a search bar with the text "Type to filter (F3)" and a dropdown menu set to "Name". The main area displays a table of account schedules.

Name	Description	Default Colum...	Analysis View Name
ANALYSIS	Capital Structure		
CAMPAIGN	Campaign Analysis	BUDGANALYS	CAMPAIGN
CA-PROF	Cost Acct. Summary Record DB per CC...		
CASHFLOW	Calculation Of Cash Flow	CASHFLOW	
CA-STAFF	Cost Acct. Personnel Costs		
CA-TRANS	Cost Acct. Transfer		
DEFAULT	Standard Schedule		
DEGREE	Calculation of Cash Flow Ratio	DEGREE	
I_CACYCLE	Data for Cash Cycle Chart	PERIODS	
I_CASHFLOW	Data for Cash Flow Chart	PERIODS	
I_INCEXP	Data for Income & Expense Chart	PERIODS	
I_MINTRIAL	Data for Reduced Trial Balance Info Part	PERIODS	
M-BALANCE	Balance Sheet	M-BALANCE	
M-CASHFLO...	Cash Flow Statement	M-NETCHA...	
M-INCOME	Income Statement	M-NETCHA...	
M-RETAIND	Retained Earnings	M-NETCHA...	
REVENUE	Revenues	BUDGANALYS	REVENUE

6. In the form go to field Name in the header and find Analysis (one of many). There you see a template of the report created by somebody else who already created this Accounting schedule in our demo database. In order to see data go to the icon **Edit Account Schedule** and push this icon. There you see all G/L accounts used in this report. The structure will be explained by tutor. Then you push icon overview in order to see data. The next only possible option there data taken from G/L entries based on initial setup of matrix lines and columns:

Row No.	Description	Totaling Type	Totaling	Row Type	Amount Type	Show Opp...	Show	Bold	Italic
	ACID-TEST ANALYSIS	Posting Acc...		Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
		Posting Acc...		Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
	Current Assets	Posting Acc...		Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
101	Inventory	Total Accou...	2190	Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
102	Accounts Receivable	Total Accou...	2390	Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
103	Securities	Total Accou...	2890	Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
104	Liquid Assets	Total Accou...	2990	Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
105	Current Assets, Total	Formula	101..104	Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
		Posting Acc...		Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
	Short-term Liabilities	Posting Acc...		Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
111	Revolving Credit	Posting Acc...	5310	Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
112	Accounts Payable	Total Accou...	5490	Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
113	VAT	Total Accou...	5790	Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
114	Personnel-related Items	Total Accou...	5890	Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
115	Other Liabilities	Total Accou...	5990	Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
116	Short-term Liabilities, Total	Formula	111..115	Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
		Posting Acc...		Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
	Current Assets minus Short-term Liabili...	Formula	105 116	Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>

Push icon **Overview** and to see real data you can also change periods by related fields (by date, dimension filters such as Department, project or G/L budget filter)

HOME ACTIONS CRONUS International Ltd. ?

New |
 View List |
 Edit List |
 Delete |
 Previous Column |
 Next Column |
 Next Period |
 Previous Period |
 Show as List |
 Show as Chart |
 Refresh |
 Clear Filter |
 Find

New | Manage | Process | View | Page

General

Account Schedule Name: ANALYSIS |
 View by: Day |
 Column Layout Name: DEFAULT |
 Date Filter: 01.01.18..26.06.19

Dimension Filters

Department Filter: |
 G/L Budget Filter: |
 Project Filter:

Show more fields

Row No.	Description	Net Change Debit	Net Change Credit	Balance at Date Debit	Balance at Date Credit
ACID-TEST ANALYSIS					
Current Assets					
101	Inventory	257 394,14		1 172 562,90	
102	Accounts Receivable	57 454,18		946 529,47	
103	Securities			11 860,69	
104	Liquid Assets	248 179,59		256 244,87	
105	Current Assets, Total	563 027,91		2 387 197,93	
Short-term Liabilities					
111	Revolving Credit		426 750,49		1 384 234,38
112	Accounts Payable	154 941,63			419 486,61
113	VAT		79 372,84		172 334,89
114	Personnel-related Items		21 308,94		138 520,65
115	Other Liabilities	10 979,20			34 572,80
116	Short-term Liabilities, Total		361 511,44		2 149 149,33
Current Assets minus Short-term Liabili...		201 516,47		238 048,60	

OK

7. If you change Default **Column layout Name** to BUDGANAL (Budget Analysis) you have to close and open it again by icon **Overview** you will get different report. You have to have some data in Budget matrix (will be presented later in this course)

Row No.	Description	Net Change	Budget	Variance%
ACID-TEST ANALYSIS				
Current Assets				
101	Inventory		6 100,00	-100,00
102	Accounts Receivable	-163 251,88	40 000,00	-508,13
103	Securities			-100,00
104	Liquid Assets	3 023,72		-100,00
105	Current Assets, Total	-160 228,16	46 100,00	-447,57
Short-term Liabilities				
111	Revolving Credit	-34 417,10	3 000,00	-1 247,24
112	Accounts Payable	171 268,79	7 000,00	2 346,70
113	VAT	18,06	13 000,00	-99,86
114	Personnel-related Items		30 000,00	-100,00
115	Other Liabilities			-100,00
116	Short-term Liabilities, Total	136 869,75	53 000,00	158,24
	Current Assets minus Short-term Liabili...	-23 358,41	99 100,00	-123,57

8. Let's create your own analysis!! Go to the Name field and in the list enter **new** analysis name (e.g. TEST) as it is shown below. Description will be for instance TEST VAT (Value Added Tax)

Normally VAT Report stands for document that summarises a company's VAT-eligible transactions over a specified accounting period, helping the company complete their VAT Return. Our report will much more simple.

Account Schedule Names

Type to filter (F3) | Name

No filters applied

Name	Description	Default Colum...	Analysis View Name
TEST	TEST VAT		
ANALYSIS	Capital Structure		
CAMPAIGN	Campaign Analysis		

And enter Default column layout = DEFAULT!!! By use of mouse or the key F4 to see and chose this possibility.

Account Schedule Names

Type to filter (F3) | Name

No filters applied

Name	Description	Default Colum...	Analysis View Name
ANALYSIS	Capital Structure	DEFAULT	

9. With the help of the key F4 from the field Default column layout (see above) and by used of **Advanced** option you will get this form after creation of new line by **Ctrl-N** or icon=**NEW** :

Select - Column Layout Names

HOME ACTIONS CRONUS Internati...

New View List Edit List Delete Edit Column Layout Setup... View Show Attached Page

Column Layout Names

Type to filter (F3) | Name

Name	Description	Analysis View Name
TEST	TEST VAT	
ACT/BUD	Actual / Budget Comparison	
BUDGANALYS	Budget Analysis	
CASHFLOW	Comparison month - year	
DEFAULT	Standard Column Layout	
DEGREE	Key Cash Flow Ratio	
M-BALANCE	Balance	
M-NETCHA...	Net Change	
PERIODS	Periods Definition for Mini Charts	

Next you have to Create Analysis View Name. Use F4 and Advanced button and the New. Enter **VAT** accounts From-To (5600-5790), which are G/L account used for VAT posting, dimensions (Area and Department) and use icon Update. This will create subset of data, which will be used in our just created Accounting schedule. The last entry numbers are visible in the form below. First picture is before Update and the second one after.

CRONUS International Ltd.

HOME

View Edit New Delete Manage

Update Enable Update on Posting Disable Update on Posting Update

Filter Analysis OneNote Notes Links Show Attached

TEST · TEST

General

Code: TEST Last Date Updated:

Name: TEST Last Entry No.:

Account Source: G/L Account Last Budget Entry No.:

Account Filter: 5600..5790 Update on Posting:

Date Compression: Day Include Budgets:

Starting Date: 01.01.2018 Blocked:

Dimensions

Dimension 1 Code: AREA Dimension 3 Code:

Dimension 2 Code: DEPARTMENT Dimension 4 Code:

OK

CRONUS International Ltd.

HOME

View Edit New Delete Manage

Update Enable Update on Posting Disable Update on Posting Update

Filter Analysis OneNote Notes Links Show Attached

TEST · TEST

General

Code: TEST Last Date Updated: 26.06.2017

Name: TEST Last Entry No.: 2817

Account Source: G/L Account Last Budget Entry No.: 0

Account Filter: 5600..5790 Update on Posting:

Date Compression: Day Include Budgets:

Starting Date: 01.01.2018 Blocked:

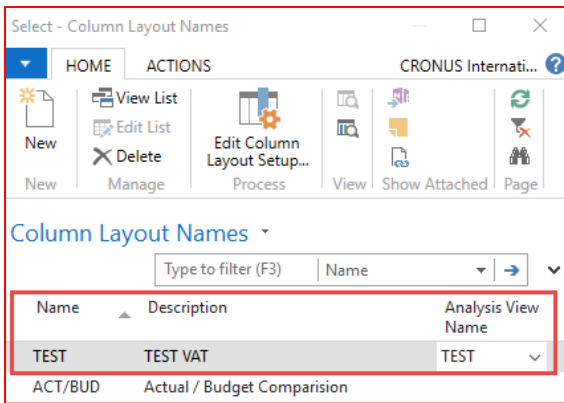
Dimensions

Dimension 1 Code: AREA Dimension 3 Code:

Dimension 2 Code: DEPARTMENT Dimension 4 Code:

OK

Finally you will get this and use layout of column=Default. Anyhow, this was already presented.



Go to Account Schedule Names, chose TEST and **Edit Account Schedule** icon. Then use icon create and enter two **VAT** account for purchase and two for sales and formulas as shown in the next form (use G/L account icon) and modify manually first column to chosen variable names IN 10, IN 25....). These are in fact variables which may be used in calculation.

To enter new lines with description use right click and New line!!!

Row No.	Description	Totaling Type	Totaling	Row Type	Amount Type	Show Opp...	Show	Bold	Italic
	VAT report	Posting Acc...		Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
	Sales VAT	Posting Acc...		Net Change	Net Amount	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	<input type="checkbox"/>
OUT25	Sales VAT 25 %	Posting Acc...	5610	Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
OUT10	Sales VAT 10 %	Posting Acc...	5611	Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
TO	Total Out	Formula	OUT25+OUT10	Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
	Purchase VAT	Posting Acc...		Net Change	Net Amount	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	<input type="checkbox"/>
IN25	Purchase VAT 25 %	Posting Acc...	5630	Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
IN10	Purchase VAT 10 %	Posting Acc...	5631	Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
TI	Total In	Formula	IN25+IN10	Net Change	Net Amount	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
	Difference	Formula	TI TO	Net Change	Net Amount	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

And you will get (after us of icon **Overview**)

General					
Account Schedule Name:	TEST	View by:	Month		
Column Layout Name:	DEFAULT	Date Filter:	01.01.19..31.01.19		
Dimension Filters					
Area Filter:		G/L Budget Filter:			
Department Filter:		Show more fields			
Row No.	Description	Net Change Debit	Net Change Credit	Balance at Date Debit	Balance at Date Credit
	VAT report				
	Sales VAT				
OUT25	Sales VAT 25 %		2 631,02		403 743,53
OUT10	Sales VAT 10 %		1 923,05		6 846,06
TO	Total Out		4 554,07		410 589,59
	Purchase VAT				
IN25	Purchase VAT 25 %	10 598,14		245 147,35	
IN10	Purchase VAT 10 %	11,05		555,91	
TI	Total In	10 609,19		245 703,26	
	Difference	6 055,12			164 886,33