Changes to Report Writing Capability in ADempiere

Adaxa has extended ADempiere reporting in two areas:

- Financial Report Writer, and
- List Report Writer

Financial Report Writer Changes

Report 1 - "List Sources" selected

Adaxa logo in the Header print format	Adaxa P&L Test 1HQ GardenWorld Period:2015-08 Currency:US Dollar	Header Print Format (the Report Parameter context variables and in the header	Page 1 of using rs as picked up	: 2
Name	Description	2015-08 Mth 2 to	015-08 Year date (label wrap example)	column headings will wrap based on defined column width
41000 automatic indent	Trade Revenue	101.241	102,145	
43000 of detail lines when	Sideline Revenue	5.100	5,100	
49700 selected	Charge revenue	120	8,800	overlines inserted when
SALES		106,461	116,045	List Sources selected
new option for insert blan	nk line (ignore " . " now fixed)			
51100	Product CoGs	126	115,554	
51400	Inventory Clearing	0	7,794	
56300	Inventory Adjustment	-2,678	-2,678	
58100	Invoice price variance		1,827	
58200	Purchase price variance	150	150	
58300	Purchase price variance Offset	-150	-150	
58600	Rate Variance	-72	-72	
COGS		-2,625	122,425	
				overline and underline
MARGIN		109,086	-6,379	insered when selected ReportLine
•				
60910	Staff Gifts & Perks	1,200	1,200	
61300	Other Occupancy Costs		-45	
66100	Data Processing Supplies		-1	
OPERATING EXPENSES		1,200	1,154	
83100	Labor (Absorbed)		-1,665	
EXPENSES ABSORBED			-1,665	
75100	Education Course Fees	500	50	
78100	Bad Debts Write-off	10	10	
79600	Charge expense	2,000	22,148	0
/-EXPENSES		2,510	22,208	
TOTAL NON FINANCE EXPENSE	8	3,710	21,697	19
OTHER INCOME				
OTHER EXPENSE				
NET OTHER INCOME/EXPENSE		0	0	Field display logic
EXPENSES TOTAL		3,710	21,697	can be used to(say) suppress zeroes
RESULT BEFORE TAX		105.376	-28.076	13

note that when List Sources is selected each account or element adding up to the total is displayed (indented), the total is then displayed with a 'line above' in the number columns to highlight that it is a total.

Adaxa	Adaxa P&L Tes 1HQ GardenWorld Period:2015-08 Currency:US Dollar	st	Page 1 of 1
Name	Description	2015-08 Mth	2015-08 Year to date (label wrap example)
SALES		106,461	116,045
COGS		-2,625	122,425
MARGIN	-	109.086	-6.379
	=		
		1 200	
OPERATING EXPENSES		1,200	1,154
EXPENSES ABSORBED		2.510	-1,005
7-EXPENSES		2,510	22,208
TOTAL NON FINANCE EXPENSE		3,710	21,697
OTHER INCOME			
OTHER EXPENSE			
NET OTHER INCOME/EXPENSE		0	0
EXPENSES TOTAL		3,710	21,697
* Contractor and the second			
RESULT BEFORE TAX		105,376	-28,076
TAX			
RESULT AFTER TAX		105,376	-28,076

Note that when List Sources is de-selected only the total for the accounts/elements is displayed and the 'line above' is not printed. 'Line Above' and 'Line Below' are printed where these options are ticked in the Report Line definition.

please ignore the ". " printed on the blank rows, the screen shots came from a beta version of the code

Details of Improvements Added to the Financial Report Writer....

Control of what gets printed in the Header and Footer of the Report.....

A Header Print Format is added which picks up report parameters as context variables and allows addition of other text field, logos etc.

me Financial Report	×	
0 📑 🗐 🐱 🗙		
		1
<u>Client</u> *	GardenWorld	-
Accounting Schema*	GardenWorld US/A/US Dollar	•
Name*	Adaxa P&L Test	
Description		
	✓ Active	
Report Line Set*	Adaxa P&L	•
<u>Report Column Set</u> *	Adaxa P&L: Mth and YTD	-
Report Cube	Org+Account	-
Jasper Process		-
	✓ List Sources	
Header Print Format	Financial Report Header GW	•

Printable context variable items in Header Print Format are:

ome 🛛 Financial Report 🗙	Print Format 🗙		
0) 🕫 🔳 🔕 候	• • • • • • • • •
Print Format	Sequence¢	Name 🌩	Print Text 💠 P
Display Order	10	@Logo@	
Sort Order	20	@Name@	Adaxa P&L Test
Format Item	30	@Organization@	1HQ
Item Translation	40	@Client@	GardenWorld
	50	@City@	Portland
	60	@Business Partner@	
	70	@Period@	Period:2015-08
	80	@Currency@	Currency:US Dollar
	90	Report	
	100	page count	@Page@ @*Page@ @of@ @*PageCount@

line 90 prints the standard Report Writer print format.

Column Headings that wrap to column width....

Column Heading labels can be forced to wrap by setting a tick-box on the 'Print Table Format' used in the included Print Format which contains the actual Financial Report ... set the "Multi Line Header" to Y in the 'Print Table Format'. [this also works in normal list reports]

Home Financial	Report X Print Table Format X			
900) 🗟 🗙 🗔 😂 🔍 🛛 🕫	•	* * *	♥ 👱 🗏 🛢 🖴
Clinet*		_	Quere la Mart	*
<u>Client</u> *	GardenWorld	<u> </u>	Organisation*	*
Name*	Default Report in GW			
Description	With Lines; Default Colors and Fonts			
	Active			🖉 Default
Header Row Color	Blue black		Header Row BG Color	Gray white
Header Row Font	SansSerif bold 9	•	(Multi Line Header
	Paint Header Lines			
	Paint Vertical Lines			Paint Horizontal Lines
	Paint Boundary Lines		Line Color	Gray light

Extra control of what gets printed and how it looks

in the included print format for the lines you can set

- display logic eg #,<fieldname># ! 0 to suppress zeroes
- Format Pattern

e Print Format 🗙		
0	🗔 🔁 🍳 🛛 🕫 💿 🖉 🍯 暮	♠ 🛃 👱
Print Format	Client* GardenWorld	 Organisat
Display Order	Print Format* Adaxa P&L Test	•
Sort Order	Sequence* 30	
Format Item	Name [*] 2015-08 Mth	
Item Translation	Print Text 2015-08 Mth	
	C Active	
	Suppress Null	
	Display Logic	
	Format Type* Field	▼ <u>Colui</u>
	Format Pattern #,###	
1		Darcada T

Displaying Blank Rows to Improve the Layout of the Report ...

in the Report Line Set you can specify that you want a blank line to separate sections of the report

Financial Report 🗙	Report Line	Set 🗙			
0	. 🗌 🔁 🍳	. 0 🕫 🎟 🔕 🧔 🕏	*	🗣 👱 [
Report Line Set	Client*	GardenWorld	•	Organisation*	*
Report Line	Report Line Set*	Adaxa P&L	-		
Report Source	Name*	•			
	Description				
		Active			Printed
	Sequence*	20			
	Line Type*	Blank	-		
	Overline Stroke Type	Blank Calculation Segment Value	U	nderline Stroke Type	
		T			

Printing Lines Above and Below Totals

in the Report Line Set you can select that a report line will have an overline and/or an underline stroke type..

Report Line Set	(
) 🗐 🗊 🔂 🗙		0 🕫 🖬 🚫	< À 🛧	* * = = 4	🙊 🍡 🐼 🔳 🚸
Report Line Set	<u>Client</u> *	GardenWorld	.	Organisation* *	
Report Line	Report Line Set*	Adaxa P&L			
Report Source	Name*	MARGIN			
	Description				
		Active		Printed	
	Sequence*	50			
	Line Type*	Calculation			
	Calculation	Subtract (Op1-Op2)			
	Operand 1	SALES		Operand 2 COGS	v
	Overline Stroke Type	Solid	U	Inderline Stroke Type	

choices are:	·		
Overline Stroke	Solid	Ŧ	Unc
туре	Dashed Dotted Double Dashed Double Dotted Double Solid Solid		

Filtering Report Columns to create Cross Tab type reports.....

The same filtering that works in Report Lines is now added to Report Columns. This example shows printing only the values for the Cost Centre of Marketing. Costs Centre is implemented using 'User List1' element

Report Column Set	×		
) 📑 🗊 🔂 🗙 [
Report Column Set	Client*	GardenWorld	Orga
Report Column	Report Column	Marketing 🚬	
Report Source	Description		
<u> </u>		Active	
	Type*	User List 1]
	Account Element	SM-Sales/Mark	

Combination extended to use UserList1 and UserList2

In the Report Source, if you select a Combination you can now use User List1 (CCentre below) and UserList2 in the Combination .. for some reason they were not made usable in the initial addition of the Combination functionality.

Report Line Set 🗙		
) 📑 🗊 🔂 🗙		
Report Line Set	<u>Client</u> *	Garden World Orga
Report Line	Report Line	temp test 🚬
Report Source	Description	
		Active
	Type*	Combination
	Organization	•
	Trx Organization	
	Account Element*	4-Sales
	<u>Business Partner</u>	
	<u>Product</u>	•
	Address	E.
	Project	
	Sales Region	•
	Activity	•
	<u>Campaign</u>	•
	CCentre	AD-Admin
	<u>User List 2</u>	▼

The report below shows column filtering in a report. Below, column 1 picks up all the Marketing Cost Centre costs, column 2 the Admin Cost Centre etc

ADempiere		Income Statement with Cost Centre	9			Page 1 of :
Parameter:						
Period	= 2015-08					
Details/So	ource First = Yes					
Report Cu	ube = Org+Account+CC			\frown		
Name	Description		Marketing	Admin	Balance	Total
41000	Trade Revenue		\square		102,145.49	102,145.49
43000	Sideline Revenue		5,000		100.00	5,100.00
49700	Charge revenue				8,800.00	8,800.00
SALES			5,000		111,045.49	116,045.49
					0.00	
51100	Product CoGs				115,554.31	115,554.31
51400	Inventory Clearing				7,793.76	7,793.76
56300	Inventory Adjustment				-2,678.50	-2,678.50
58100	Invoice price variance				1,827.35	1,827.35
58200	Purchase price variance				149.93	149.93
58300	Purchase price variance Offset				-149.93	-149.93
58600	Rate Variance				-72.00	-72.00
COGS					122,424.92	122,424.92
15					0.00	
MARGIN			5,000	0	-11,379.43	-6,379.43
					0.00	0.000.000.0
60910	Staff Gifts & Perks				1,200.00	1,200.00
61300	Other Occupancy Costs				-45.00	-45.00
66100	Data Processing Supplies				-1.00	-1.00
OPERATING EXPENSES					1,154.00	1,154.00
83100	Labor (Absorbed)				-1,665.13	-1,665.13
EXPENSES ABSORBED		8			-1,665.13	-1,665.13
75100	Education Course Fees				50.00	50.00
78100	Bad Debts Write-off				10.00	10.00
79600	Charge expense		9,998	9,999	2,151.00	22,148.00
7-EXPENSES			9,998	9,999	2,211.00	22,208.00

This filtering was done by adding the same filtering to Report Columns as was already available in Report Lines. Note the "Report Source" tab now added to Report Column Set window.

Relative Period columns extended....

Report Column tab is extended by the addition of a "Relative Period To" which allows you to specify a column to display (say) the last 3 months by setting.

Note that the format for entering the months is "From -3 ... To -1" NOT from -1 to -3.

Report Column Set	×		
) 📄 🗊 📷 🗙 (0 🕫 📼 🚫 🧔 🔶 🖀 🐣	* * = = =
Report Column Set	<u>Client</u> *	GardenWorld	Organisation* 1HQ
Report Column	Report Column Set*	Columns with CC filter	
Report Source	Name*	Marketing	
	Description		
		✓ Active	Printed
	Sequence*	10	
	PostingType*	Actual	
	Amount Type	Balance (expected sign)	Period Type Year
	Column Type*	Relative Period	
	Relative Period	0.0	Relative Period To
	Under Line Size	0	
	Format Pattern	#,###	Factor

The new Report Source tab

works the same way as in the the Report Line Set and allows a column to be filtered to show the required subset of information.

Report Column Set	×	
0	- 2 0 0 = 0 0 0 7	▲ ₹ ±
Report Column Set	Client* GardenWorld	 Organisa
Report Column	Report Column Marketing	-
Report Source	Description	
	Active	
	Type [*] User List 1	•
	Account Element SM-Sales/Mark	•
	AD-Admin SM-Sales/Mark	

Automatic selection of Report Period

SQL used to "find the month we are in today and subtract 1 month" since we are probably reporting on the just-finished month 90% of time.

If you print a report during September 2015 then 'August 2015' is defaulted into 'Period'.

Create Report		
Create Financial Rep	ort	
The default period is th restrictions. You can se	e current period. You can optionally enter other lect an alternative Reporting Hierarchy.	
Period	2015-08	
Organization	~	
Business Partner	•	

Set a Default Logic value as shown below.

Report Process 🗙		
)		
Report & Process	<u>Client</u> *	System 💌
Report Translation	Process*	FinReport_Create Report
Report Access	Name*	Period
Parameter	Description	Period of the Calendar
Parameter Translation	Comment/Help	The Period indicates an exclusive range of dates for a cale
		Active
	Entity Type*	Dictionary
	Sequence*	10
	DB Column Name*	C_Period_ID
	<u>Reference</u> *	Table 💌
	Value Format	
	Length*	0
		Mandatory
	Default Logic	@SQL=(SELECT p.C_Period_ID AS DefaultValue FROM
	Min. Value	

@SQL=(SELECT p.C_Period_ID AS DefaultValue FROM C_Period p JOIN C_Year y ON y.C_Year_ID=p.C_Year_ID WHERE p.StartDate <= now() - interval '1 month' AND p.EndDate >= now() - interval '1 month' AND y.C_Calendar_ID=@C_Calendar_ID@)

Trial Balance Report for GardenWorld

The following shows a way to create a Trial Balance Report in ADempiere Financial Report Writer.

Report line set ... note the Period Types set as "Natural" .. this is critical.

Name 🍦	Descri	Active	Printed	Sequie	Line Type 🛛 🔅	Calculation 🔶	Operand 1 🛛 🗍	Operand 2	P	B	Amount Type	Period Type 🕸
Balance Sheet Accounts		4	4	10	Segment Value						Balance (accounted sign)	Natural
Prior Year not tfrd to Ret Earnings		4	4	20	Calculation	Subtract (Op1- Op2)	Total P&L all years	P&L Items Current Year				
Total Balance Sheet Accounts		4	4	20	Calculation	Add (Op1+Op2)	Balance Sheet Accounts	Prior Year not tfrd to Ret Earnings				
		1	4	30	Blank	Add (Op1+Op2)						
P&L Items Current Year		s.	ø	100	Segment Value						Balance (accounted sign)	Natural
Total P&L all years		×.		110	Segment Value						Balance (accounted sign)	Total

Report Source for Balance Sheet Accounts

\$ Active	Type 🌲	Organ	Incluid	Trx	Inclû	Account Element 🛛 🔶	Include N B
	Account					1-Assets	
1	Account					2-Liabilities	
ø	Account					3-Owner's Equity/Net Worth	

Report Source for P&L Items Current Year

\$ Active	Type 🌲	Organ	Incluid	Trx	Inclû	Account Element 🛛 🔶	Include
×.	Account					4-Sales	
×.	Account					5-Cost of Goods Sold	
1	Account					6-Expenses	
1	Account					7-7-Expenses	
1	Account					80-Other Income	
1	Account					82-Other Expense	
A.	Account					83-Expense (Absorbed)	
1	Account					89-Income Tax & Summary	

Report Source for P&L All Years

÷.	Active	Type 🌲	Organ	Includ	Trx	Inclû	Account Element 🛛 🔶	Include
	×.	Account					5-Cost of Goods Sold	
	×.	Account					4-Sales	
		Account					6-Expenses	
		Account					7-7-Expenses	
		Account					80-Other Income	
		Account					82-Other Expense	
		Account					83-Expense (Absorbed)	
	1	Account					89-Income Tax & Summary	

Report Column - note that the "Period Type" of "Total" is overwritten by the equiv in the lines. Note the use of "Amount Type" must be "Balance (accounted sign)"

Report Column Set	Client*	GardenWorld 🗾	Organisation* *
Report Column	<u>Report Column Set</u> *	Trial Balance 💌	
Report Source	Name*	Total	
	Description		
		Active	🖉 Printed
	Sequence*	50	
	PostingType*	Actual 💌	
	Amount Type	Balance (accounted sign)	Period Type <mark>Total</mark>
	Column Type*	Relative Period	
	Relative Period	0.0	Relative Period To
	Under Line Size	0	
	Format Pattern		Factor

How it works

'Balance Sheet accounts' gets all the account starting with 1, 2 and 3.

As the Amount Type is 'Balance (accounted sign)' the credits are negative so these accounts can just be totalled.

As the Period Type is Natural for balance sheet accounts it will grab the 'Total' cumulative value for all periods.

The P&L Items 'Current year' does the same for P&L accounts and as the Period Type is Natural it grabs the 'Year' values not the 'Total'.

An unprinted column then does the same calc but using the 'Total' for all years. If there is a difference between 'P&L items for all years' and 'P&L items for the current year' then the difference appears in the row "Prior Year Not Transferred"

so

- + Balance Sheet accounts
- + (P&L for all periods P&L for this fin year)
- = Shareholders funds

= P&L Accounts for this fin year

report looks like...

Auto		That balance	Fage 1 of
Parameter:	Report Cube	= Ora+Account	
	Period	= 2015-12	
	Details/Source First	= Yes	
Name		Description	Tota
11100		Checking Account	6,211.6
11110		Checking In-Transfer	3,234.0
11130		Checking Unallocated Receipts	-3,290.0
11200		Checking Account 2	1.00
11900		Petty Cash	0.3
11910		Petty Cash In-Transfer	0.0
12110		Accounts Receivable - Trade	143,624.1
12420		Loans Receivable Owners/Shareholders	1,000.0
12800		Intercompany Due From	144.00
14120		Product asset	-16,662.80
17690		Asset Additions	600.00
21100		Accounts Payable Trade	-65,874.6
21101		Tree Farm Payable	-4,217.50
21190		Not involced receipts	-57,297.8-
21300		Payment selection	0.0
21505		Unearned revenue	-24,066.63
21510		Customer Prepayments	-4,533.6
21610		Tax due	-104.4
21622		Tax suspense for Consolidation	70.00
21800		Intercompany Due To	-144.00
22900		Accrued Expenses Others	-100.00
31000		Capital/Common Stock	-1,000.00
32900		Retained Earnings	-499.9
Balance She	et Accounts		-22,906.30
Prior Year ne	ot tfrd to Ret Earnings		-2,000.00
Total Balanc	e Sheet Accounts		-24,906.30
41000		Trade Revenue	-105,316.4
43000		Sideline Revenue	-5,100.0
49700		Charge revenue	-8,800.0
51100		Product CoGs	115,554.3
51400		Inventory Clearing	7,793.7
56300		Inventory Adjustment	-2,678.5
58100		Involce price variance	1,827.3
58200		Purchase price variance	149.9
58300		Purchase price variance Offset	-149.9
58600		Rate Variance	-72.00
60910		Staff Gifts & Perks	1,200.00
61300		Other Occupancy Costs	-45.00
66100		Data Processing Supplies	-1.0
75100		Education Course Fees	50.0
78100		Bad Debts Write-off	10.0
79600		Charge expense	22,149.0
Dempiere®	SuperU	iser@GerdenWorld.1HQ [0.0.0.0[localhost-edempiere-adempiere}]	16/09/2015 7:00:04 P
Adaxa		Trial Balance	Page 2 of
Name		Description	Tota
83100		Labor (Absorbed)	-1,665.1

You could add a Report Line for 'Total Balance Sheet Accounts - P&L Items in Current Year' to print a zero balance at the end of the report.

Changes to the List Report Writer

List Report Writer Modifications

The List Report Writer has been modified to support Header/Content/Footer more generally. This allows better looking reports to be created more easily.

Example:

Inventory Valuation Report with Header and Footer

Warehouse: HQ Warehouse Currency: USD	tory varuation	Price List Version: Purchase 2013 Valuation Date: 30/09/2015		
Product	On Hand Qty	Standard Cost	StdCostValue	
Azalea Bush - Azalea Bush	100	15.00	1,500.00	
Elm - Elm Tree	100	7.00	700.00	
Fertilizer#50 - Fertilizer #50	-96	0.001	10	
Fertilizer#50 - Fertilizer #50	4	18.00	72.00	
Fertilizer#50v2 - Fertilizer #50 v2	113	25.00	2,825.00	
Fertilizer#70 - Fertilizer #70	100	30.00	3,000.00	
Grass - Grass Seed Container	100	48.00	4,800.00	
Hoe - Hoe 4 ft	100	12.75	1,275.00	
Holly Bush - Holly Bush	100	24.00	2,400.00	
Mulch - Mulch 10#	78	2.70	210.60	
Nitrogen - Nitrogen	50	0.001	04	

<snip>

			40 519 42
zzzzz12mth - xxxxxx12 mth revenue recognition	-1	0.001	00
Weeder - Weeder	100	2.55	255.00
TShirt-RL - TShirt - Red Large	100	1.10	110.00
I Shirt-GL - I Shirt - Green Large	100	1.10	110.00

1/1

Using Header and Footer in standard reports....

untick "Standard Header/Footer" and "Print Parameters"

Print Format 🗙						
) 🔲 🗊 🔂 🔆		0 🕫 🖬 🔕	• • •		2 2 4 2	🔊 🔳 •
Print Format	Client*	GardenWorld	-	Organisation*	1HQ	-
Display Order	Name*	Inventory Valuation F	Report			
Sort Order	Description					
Format Item		Active			Default	
Item Translation	<u>Table</u> *	T_InventoryValue	•	Report View	RV_T_InventoryValue	•
		E Form			Table Based	
	<u>Print Paper</u> *	A4 Portrait	•		Standard Header/Footer	
		Print Parameters				
	<u>Print Table</u> <u>Format</u>		•	Printer Name		
	Header Margin*	60		Footer Margin*	36	
	Print Font*	SansSerif 9	•	Print Color*	Black	-
	Jasper Process		•			
	Classname					

Select the area that the Print Format Item is to appear in.

Print Format 🗙			
) 📑 🗊 🔂 🗙] 🕫 🗃 🌒 🌲 著 🛧 🝷	2 3 8 6 6
Print Format	<u>Client</u> *	Garden World	Organisation* 1HQ
Display Order	Print Format*	Inventory Valuation Report	
Sort Order	Sequence*	5	
Format Item	Name*	logo	
Item Translation	Print Text	Active	Cont.
		Suppress Null	Cent
	Display Logic]
	Format Type*	Image 💌	
		Image Field	
		Image attached	
	Area*	Header	1
		Footer	🗆 Set I
			Next
	Below Column	0	

example of header field #1

Print Format 🗙								
) 🔲 🗊 🔂 🗙		0 🕫 🗉 🛇 🧔 📦	* *	♣	*		🍐 🔍 🍡 🐼	
Print Format	Client*	GardenWorld		-	Organ	isation*	1HQ	
Display Order	Print Format*	Inventory Valuation Report		-				
Sort Order	Sequence*	10						
Format Item	Name*	Inventory Valuation						
Item Translation	Print Text	Inventory Valuation						
		✓ Active					Centrally maintaine	d
		Suppress Null						
	Display Logic							
	Format Type*	Text		•				
	Area*	Header		•				
		Relative Position					Set NL Position	

example of header field #2

) 📄 🗊 🔂 🗙		0 🕫 🎫 🔕 🌲 春 🏠	•	½ 🗉 🖬 🗁 🔍 ➡: 🐼 🔳 ↔
Print Format	Client*	GardenWorld		Organisation* 1HQ
Display Order	Print Format*	Inventory Valuation Report	-	
Sort Order	Sequence*	20		
Format Item	Name*	Warehouse		
Item Translation	Print Text	Warehouse:		
	Print Label Suffix			
		Active		Centrally maintained
		Suppress Null		Suppress Repeats
	Display Logic			
	Format Type*	Field	-	Column* M_Warehouse_ID_Warehouse
	Format Pattern			
	Area*	Header	-	Barcode Type

1

example of content field #1

Print Format X							
) 📑 🗊 🔂 🔆		0 🕫 🗐 🖉 🔹	*	曑	<u></u>	ا 🐼 📲 🔊 ا	
Print Format	<u>Client</u> *	GardenWorld		-	Organisation*	1HQ	
Display Order	<u>Print Format*</u>	Inventory Valuation Report		-			
Sort Order	Sequence*	60					
Format Item	Name*	Product					
Item Translation	Print Text	Product					
		Active				Centrally maintained	
		Suppress Null				Suppress Repeats	
	Display Logic						
	Format Type*	Field		-	<u>Column</u> *	M_Product_ID_Product	
	Format Pattern						
	Area*	Content		-	Barcode Type		
		Next Line				Next Page	