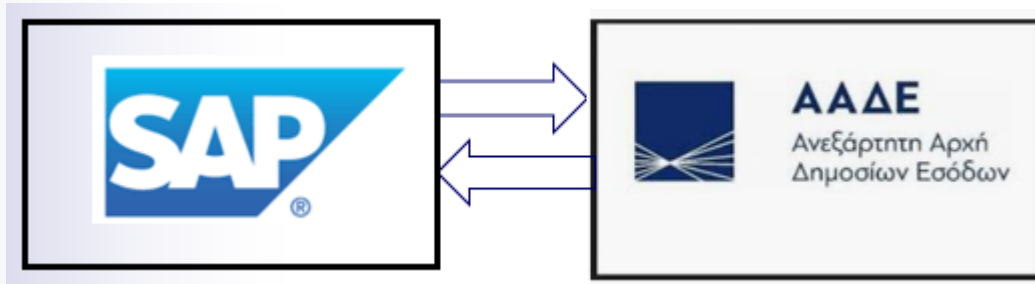
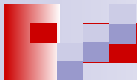
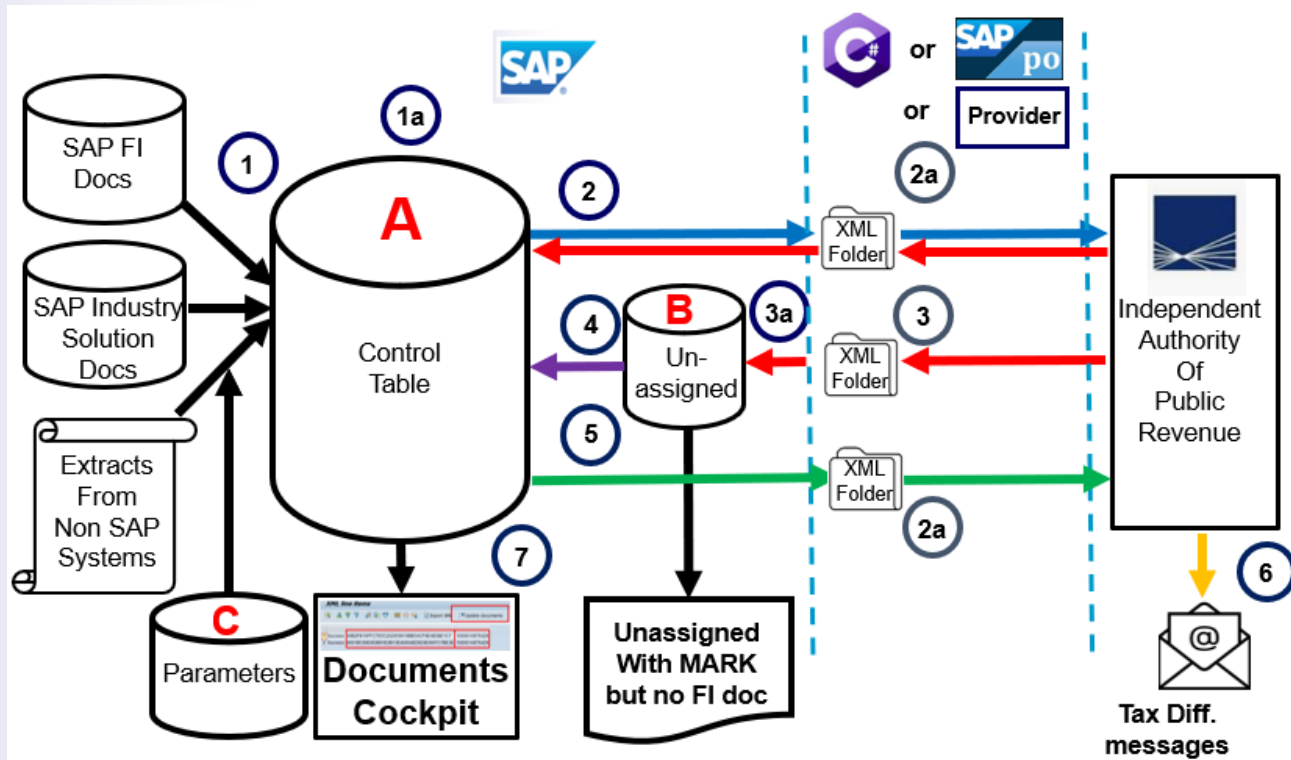


AADE e-books update from SAP ERP (SAP and AADE e-books demo)

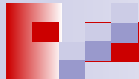


Agile SA e-books solution comprises SAP tables and ABAP programs that create XML files that are sent to AADE using communication programs and read the response xml files received by AADE, monitoring and comparing SAP and AADE tax calculations





Agile SA solution comprise a **SAP part** (tables and ABAP programs) and a **middleware part** (communication c# program) and a **set of folders**





GET RequestInvoices

GET RequestIssuerInvoices

POST
SendExpensesClassification

POST
SendIncomeClassification

POST SendInvoices

This is an example of the final format in AADE's system.

ΒΙΒΛΙΟ ΣΥΝΟΠΤΙΚΗΣ ΑΠΕΙΚΟΝΙΣΗΣ

AADE
Ανεξάρτητη Αρχή
Αντιστοίχων Εσόδων

Tax Year 2018

Name - Surname / Entity Name: _____
Entity Tax Number: _____

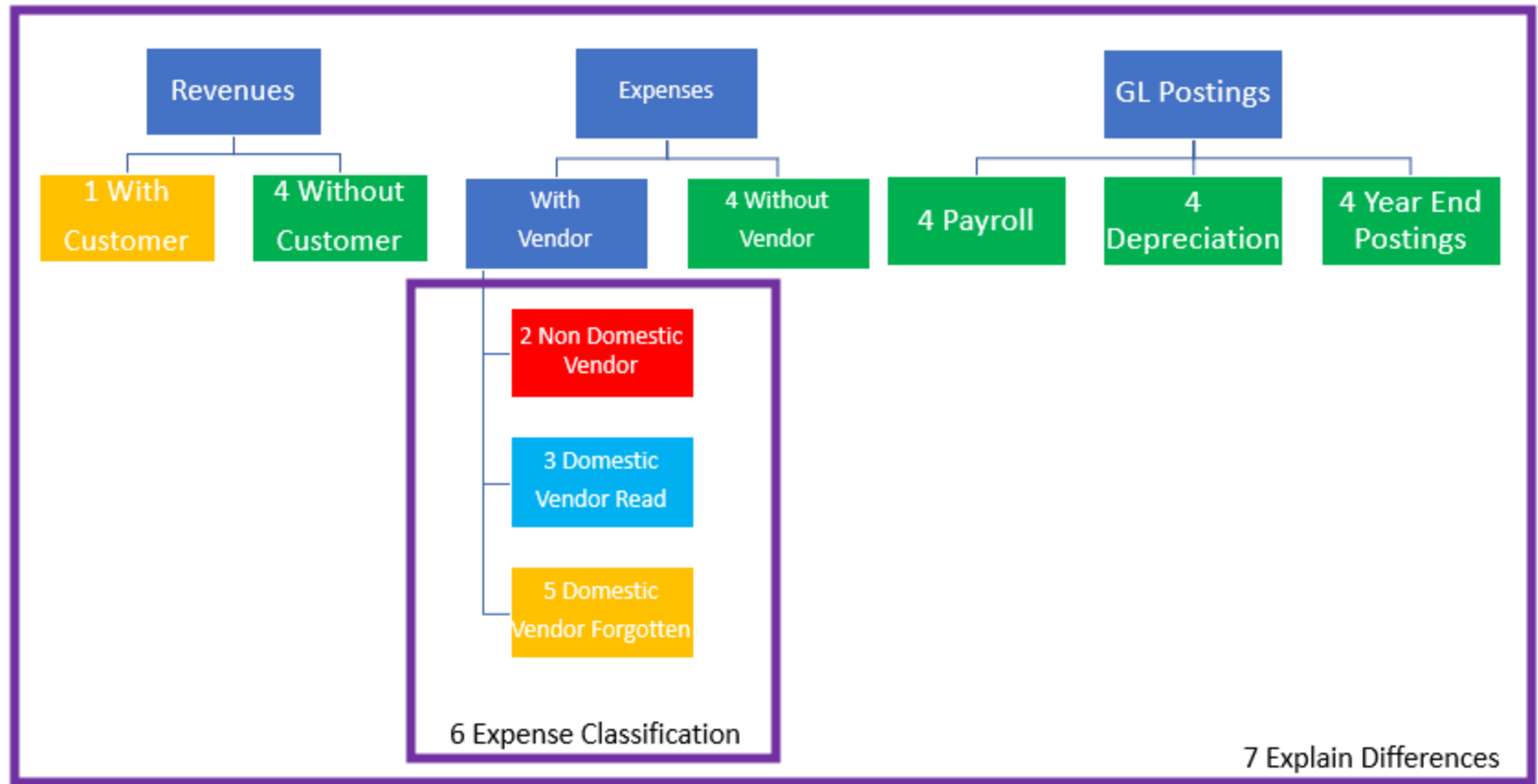
System Date: _____
System Time: _____

Previous Tax Year

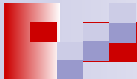
Month	Type of Transaction	Net Value of Transaction	Balance incomes - Expenses (+/-)	Income Tax(+/-)	VAT Outflow/ Inflow	Payment of VAT (+/-)	Withholding Taxes	Other Taxes	Stamp fees	Fees	Deductions
01-Jan	Income	1,000.00	600.00		240.00	144.00		40.00	36.00	15.00	
01-Jan	Expense	400.00			96.00						10.00
02-Feb	Income	600.00			144.00	48.00		200.00			10.00
02-Feb	Expense	1,000.00	-400.00		240.00						10.00
03-Mar	Income	1,000.00	600.00		240.00	144.00		40.00	36.00	15.00	
03-Mar	Expense	400.00			96.00						10.00
04-Apr	Income	1,000.00	600.00		240.00	144.00		40.00	36.00	15.00	
04-Apr	Expense	400.00			96.00						10.00
05-May	Income	600.00			144.00	48.00		200.00			10.00
05-May	Expense	1,000.00	-400.00		240.00						10.00
06-Jun	Income	1,000.00	600.00		240.00	144.00		40.00	36.00	15.00	
06-Jun	Expense	400.00			96.00						10.00
07-Jul	Income	1,000.00	600.00		240.00	144.00		40.00	36.00	15.00	
07-Jul	Expense	400.00			96.00						10.00
08-Aug	Income	600.00			144.00	48.00		200.00			10.00
08-Aug	Expense	1,000.00	-400.00		240.00						10.00
09-Sept	Income	1,000.00	600.00		240.00	144.00		40.00	36.00	15.00	
09-Sept	Expense	400.00			96.00						10.00
10-Oct	Income	1,000.00	600.00		240.00	144.00		40.00	36.00	15.00	
10-Oct	Expense	400.00			96.00						10.00
11-Nov	Income	1,000.00	600.00		240.00	144.00		40.00	36.00	15.00	
11-Nov	Expense	400.00			96.00						10.00
12-Dec	Income	1,000.00	600.00		240.00	144.00		40.00	36.00	15.00	
12-Dec	Expense	400.00			96.00						10.00
Total Incomes		10,800.00			262.00	2,592.00	1,296.00	0.00	0.00	0.00	180.00
Total Expenses		4,600.00	4,200.00		0.00	1,504.00	0.00	1,320.00	430.00	432.00	0.00
Total Tax to be paid					262.00	600.00	1,320.00	400.00	0.00	180.00	0.00
Remaining Tax to be paid					0.00	-259.00	0.00	-50.00	-432.00	0.00	0.00
Entity Segmentation	Inconsistency		Consistency	Consistency	Temporary Inconsistency	Consistency	Inconsistency	Consistency	Consistency	Consistency	Consistency

Retrieve Book Data Output format in PDF Output format in Excel Print Next Tax Year

XML files are sent to AADE using 5 APIs (3 POST and 2 GET) and posted in IAPR cloud platform maintaining 2 e-books (analytical and Summary) for each company in order to cross check tax obligations shown in Summary Book

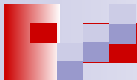


Data are exchanged using XML files that are stored in a set of folders



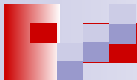


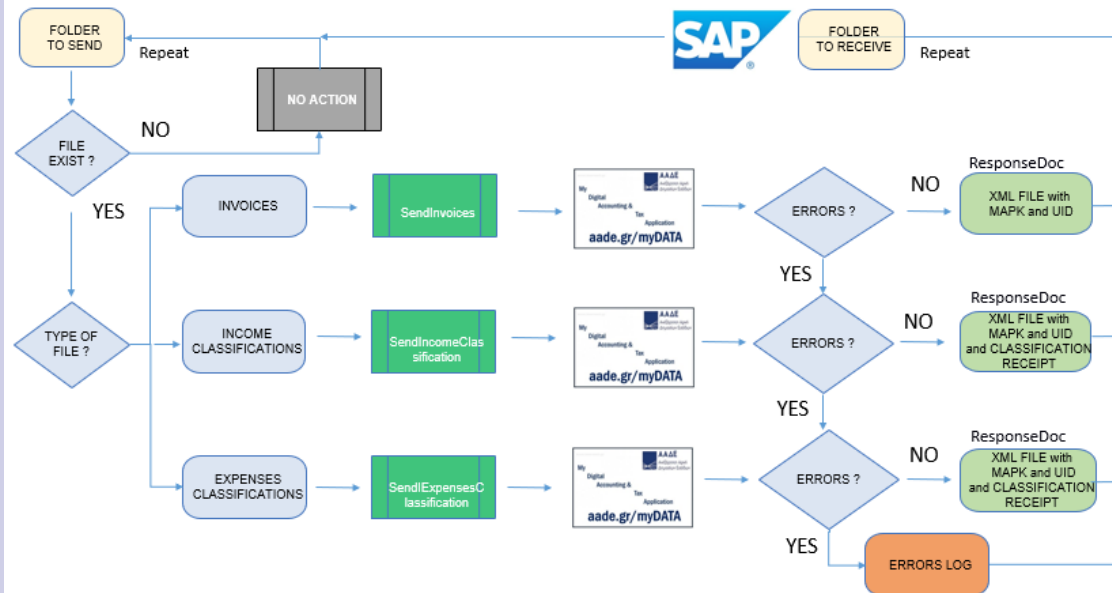
- **Revenue with Customer** (Sales Invoices are posted to Control table reading FI doc, create XML file, sent to AADE including revenue classification, receiving response with MARK and UID)
- **Non Domestic Vendor Expenses** (Purchases Invoice posted to Control table reading FI doc, create XML file sent to AADE including expense classification receiving response with MARK and UID)





- **Domestic Vendor Expenses** (Purchases Invoice posted to Control table reading FI doc, request XML file from AADE, post to unassigned table, assign to control table, create XML file for expense classification and send to AADE receiving response with classification MARK)
- **Non Mirror Revenue without Customer** (FI GL documents posted summarized to Control table, create XML file sent to AADE including revenue classification, receiving response with MARK)



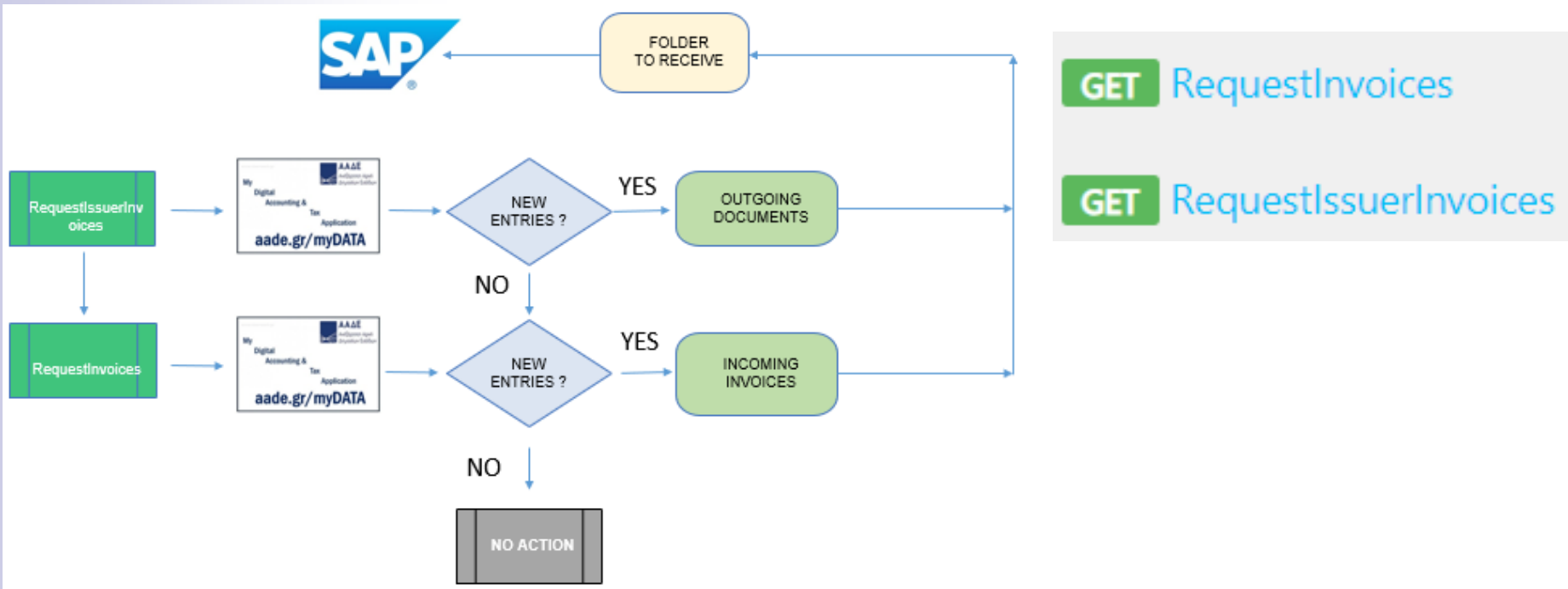


POST
SendExpensesClassification

POST
SendIncomeClassification

POST SendInvoices

Agile SA Communication programs recognize XML files collected in “Folder to Send” by company, type etc and send them to AADE platform and stores responses properly to “Folder to Receive” to be read by ABAP programs



Agile SA Communication programs recognize XML response files received and save them properly in “Folder to Receive” in order to be read by company, type etc. by ABAP programs



C:\Users\dxgiannakis\Desktop\C#11_SendInvoices_success.xml

Tree View XSL Output

- xml
 - InvoicesDoc
 - xmlns
 - xmlns:n1
 - xmlns:n2
 - invoice
 - issuer
 - counterpart
 - vatNumber: 094126653
 - country: GR
 - branch: 0
 - address
 - invoiceHeader
 - series: 10
 - aa: 747
 - issueDate: 2020-04-30
 - invoiceType: 1.1
 - currency: EUR
 - paymentMethods
 - invoiceDetails
 - lineNumber: 001
 - measurementUnit: 1
 - netValue: 9438.00
 - vatCategory: 1
 - vatAmount: 2265.12
 - incomeClassification
 - n2:classificationType: E3_561_001
 - n2:classificationCategory: category1_2
 - n2:amount: 9438.00
 - n2:id: 1
 - invoiceDetails
 - invoiceSummary
 - invoice
 - invoice
 - invoice
 - invoice

```

version="1.0" encoding="UTF-8"

http://www.aade.gr/myDATA/invoice/v1.0
https://www.aade.gr/myDATA/expensesClassificaton/v1.0
https://www.aade.gr/myDATA/incomeClassificaton/v1.0

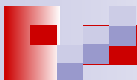
094126653
GR
0

10
747
2020-04-30
1.1
EUR

001
1
9438.00
1
2265.12

E3_561_001
category1_2
9438.00
1
    
```

Sales Invoice mainly posted to FI from SD. XML file may have more than one invoices. One Income Classification is assigned to each line





The screenshot displays an XML editor interface. The left pane shows a tree view of an XML document. The right pane shows the XSL Output for the selected 'expensesClassification' node. The output is as follows:

```

version="1.0" encoding="UTF-
http://www.aade.gr/myDATA/ir
https://www.aade.gr/myDATA/ε
https://www.aade.gr/myDATA/ε

IT100386209
IT
0
GUALA CLOSURES S.p.A.

2
280000.000
1
measurementUnit
6496.00
7
0.00
3
-----
E3_302_003
category2_2
6496.00
2
-----
VAT_364
category2_2
6496.00
2

```

Purchases Invoice mainly posted to FI from MM. XML file may have more than invoices. Two Expenses Classification (for account and VAT) are assigned to each line. If accepted the response file comprises MARK and UID



File Edit View Insert Window Help

C:\Users\ldxgiannakis\Desktop\C#12_GR02_20200901_131433_Req

Tree View XSL Output

- RequestedDoc
 - xmlns:icls
 - xmlns:ecls
 - xmlns
 - invoicesDoc
 - invoice
 - uid
 - mark
 - issuer
 - vatNumber
 - country
 - branch
 - counterpart
 - vatNumber
 - country
 - branch
 - address
 - invoiceHeader
 - paymentMethods
 - invoiceDetails
 - lineNumber
 - measurementUnit
 - netValue
 - vatCategory
 - vatAmount
 - incomeClassification
 - invoiceSummary
 - invoice
 - invoice

```

version="1.0" encoding="utf-8"

https://www.aade.gr/myDATA/incomeClassifi
https://www.aade.gr/myDATA/expensesClassi
http://www.aade.gr/myDATA/invoice/v1.0

48F67BB5F8086FFBC340CB24FA59101A520D75AD
400000019695230

160458882
GR
0

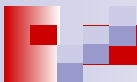
148671186
GR
0

1
1
14
1
3.36
    
```

Domestic Purchases Invoice mainly posted to FI from MM. XML file may have more than one invoices. It has Vendor's income Classification per each line



Domestic Purchases determined by its MARK, need 2 Classification for each line (account and VAT)





File Edit View Insert Window Help

C:\Users\dxgiannakis\Desktop\C#15_lianiko_esodo.xml

Tree View XSL Output

- InvoicesDoc
 - xmlns
 - xmlns:xsi
 - xmlns:N1
 - xsi:schemaLocation
 - invoice
 - issuer
 - vatNumber
 - country
 - branch
 - invoiceHeader
 - paymentMethods
 - invoiceDetails
 - lineNumber
 - netValue
 - vatCategory
 - vatAmount
 - incomeClassification
 - invoiceSummary
 - totalNetValue
 - totalVatAmount
 - totalWithheldAmount
 - totalFeesAmount
 - totalStampDutyAmount
 - totalOtherTaxesAmount
 - totalDeductionsAmount
 - totalGrossValue
 - incomeClassification
 - N1:classificationType
 - N1:classificationCategor
 - N1:amount

http://www.aade.gr/myDATA/invoice

122690229

GR

0

1

100.00

1

24.00

100.00

24.00

0.00

0.00

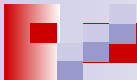
124.00

E3_561_003

category1_1

100.00

Non Mirror documents do not have counterpart and, need 1 Classification for each line for revenues and 2 Classification for each line for expenses. They are posted summarized





C:\Users\dxgiannakis\Desktop\C#11_SendInvoices_success_Response

```

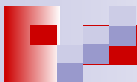
version="1.0" encoding="utf-8"
http://www.w3.org/2001/XMLSchema-instance
http://www.w3.org/2001/XMLSchema
-----
1
7322E4762BD70C5BF956E70C93B4814D5CE16468
400000017770208
Success
    
```

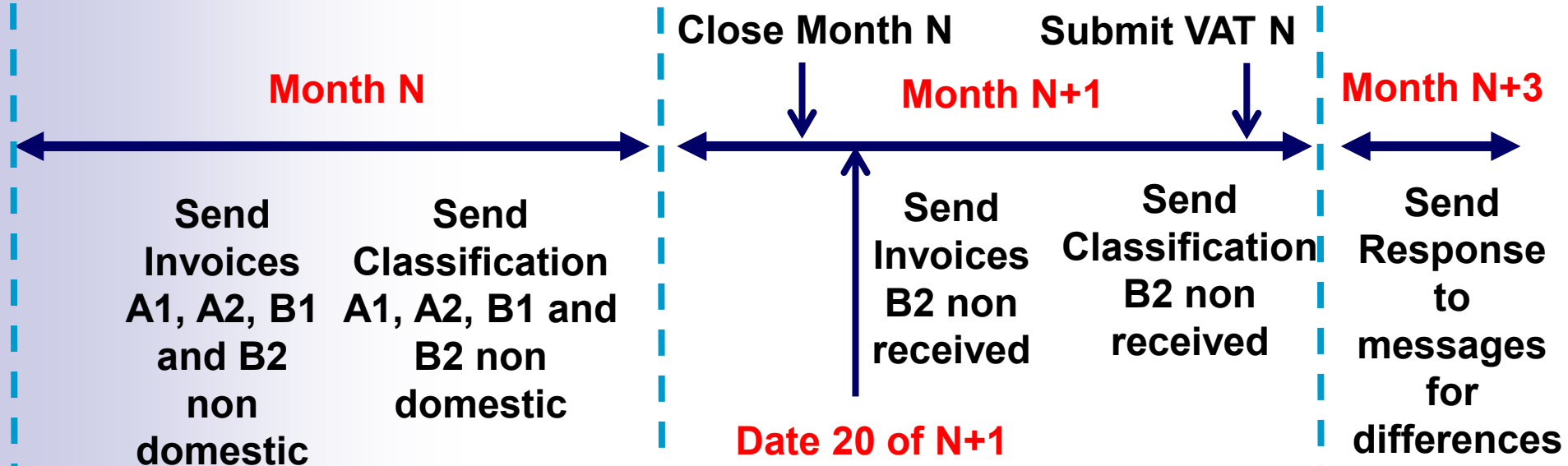
C:\Users\dxgiannakis\Desktop\C#14_GR02_202009

```

version="1.0" encoding="utf-8"
http://www.w3.org/2001/XMLSchema
http://www.w3.org/2001/XMLSchema
-----
1
400000019698018
Success
    
```

If data delivered to AADE using the sendinvoices or method are accepted the response file gives Invoice MARK and UID. The method sendexpensesclassification also gives a Classification MARK



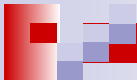


Financial calendar related to XML files to be sent to IAPR has **4 sub-periods**: 1) **Current month** for sending all documents issued A1, A2 and received from non domestic Vendors. 2) **Month end** for payroll (c) 3) **After 20 next month** to send non received domestic invoices 4) **Messages after VAT**



The Accounting Department will post data as usual

- Programs scheduled to run at night prepare the XML files send them to AADE and receive response XML files updating the control table
- Every morning users should check the data sent and received correct errors and send again.
- Every 21 of each month should identify the local vendors invoices to be sent
- Every 31 of each month should identify the reasons for differences (unassigned and control data entries in different periods)





SAP Easy Access Greek e-books area menu



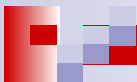
SAP Easy Access Greek e-books area menu



- Favorites
- ▼ SAP Menu
 - ▶ 1. Fill and edit control table
 - ▶ 2. Send to AADE and return response (update statuses)
 - ▶ 3. Read from AADE (request invoices)
 - ▶ 4. Assigned, update (control), delete (unassigned)
 - ▶ 5. Classification of incoming
 - ▶ 6. Handle and explain tax differences
 - ▶ 7. Reconcile control table with AADE documents
 - ▶ 8. Customizing
 - ▶ 9. Tools
 - ▶ 10. Reports

Initial Menu for e-books.

There are 10 folders 1-7 with processes and 8-10 for Customizing, Tools and Reporting



*Greek e-books fill control table programs*

Revenues

Revenues

With Customer

Without Customer

Expenses

With Domestic Vendor

With Non Domestic Vendor

Without Vendor

G/L Postings

Payroll



Depreciation

Year End


The fill and send program comprising the **3** **types of data to be sent to AADE**: Revenues (with customer – mirrored, without Customer non mirrored e.g. retail). Expenses and GL postings








Greek e-books Upload Incoming Invoices to Control Table


 

Document Selection

Company Code	<input type="text"/>	
Fiscal Year	<input type="text"/>	
Document Number	<input type="text"/>	to <input type="text"/>
Document Type	<input type="text"/>	to <input type="text"/>
Posting Date	<input type="text"/>	to <input type="text"/>
Document Date	<input type="text"/>	to <input type="text"/>
Entry Date	<input type="text"/>	to <input type="text"/>

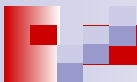






Partner Selection

Vendor	<input type="text"/>	to <input type="text"/>	
--------	----------------------	-------------------------	---

Test Run

Program for **uploading Vendor Invoices** (mirrored) to the Control Table, wait to be matched and create the XML file to be sent to AADE





The screenshot shows a web application interface with a toolbar at the top containing various icons for navigation and actions. The main content area has a title bar that reads "Greek e-books Request Domestic Incoming Invoices". Below the title bar, there is a section for "Company Code Selection" which includes a text input field labeled "Company Code" and a yellow button with a document icon. At the bottom left of the form, there is a checked checkbox labeled "No Display".

Program for **requesting Domestic Vendor Invoices** (mirrored) from AADE and store to unassigned and match to the Control Table.

