

**User guide** Corporate Access – **Test Tool** 



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### 1 Corporate Access Test Tool

Nordea Corporate Access Test Tool is available here Link

The tool uses the Java Web Start application, so you will need at least version 1.5 of the Java Runtime module. If you have issues with starting the tool, please go to chapter 5.1.

#### This User guide may be subject to changes.

### 2 General overview of the Test Tool services

The Corporate Access Test Tool offers companies to test different messages/scenarios, such as:

- ISO20022 XML pain.001.001.03 Message(s), which will via the interface inform about potential syntactical as well as business rule errors
- Compliance check information, i.e. ISO20022 XML pain.002.001.03, either via the interface or by downloading the result to your own server/location
- Business content information, i.e. ISO20022 XML pain.002.001.03, with information about business rule(s) which may be vital to know/correct before entering into production with Corporate Access Payables. This information may viewed via the interface or downloaded as file to your own server/location.
- Debit advice information, i.e. ISO20022 XML camt.054.001.02 Debit Notification, either via the interface or by downloading the result to your own server/location

### **3** User guide for testing ISO20022 XML messages

The Test Tool enables companies to validate their created pain.001.001.03 message(s) as implemented by Corporate Access Payables. When starting the Test Tool, the below screen will be displayed.

Disporate Acce	Corporate Access Payables Test Tool				
File Help					
Message type:	Corporate Access Payables validation				
Message subtype:	PAIN.001.001.03				
File:	up\TEST_03_Valid execution date today_IBAN debtor.url	Browse			
	Validate				

Companies can validate their file by drag-and-drop it to the "*File*." -field. The Tool will validate the file immediately, no need to press the "*Validate*" –button. Other option is to use the "*Browse*" button and choose the file from selected server at the companies computer.

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When selected pain.001.001.03 file added to the Corporate Access Test Tool, companies will receive a popup, with message "*Do you want to save the Compliance and other respective files*"

	Corporate Access Payables Test Tool		0 0 23
	File Help		
	Message type:	Corporate Access Payables validation +	1
Check	×	PAIN.001.001.03	1
<u> </u>	6. (24)/25	top\VML Test Tools\PROD Testfiles\Till Per sepa final.xml	Browse
Do you want to save the Compliance and other n	respective files?	Validate	

The purpose of this popup question is to enable companies to retrieve ISO20022 XML reply files such as pain.002.001.03 message(s) and a Camt054d message. When uploading a file you may get one, two or three reply files depending on the validation of the content of the Pain 001.001.03 file.

"Content business" status report will only apply as a response for Camt055.001.01 cancellation Messages, in case errors found under Group Header or agreement (Creator) level.

If "Yes" option chosen, "Compliance", "Pain.002" (content) and Camt054D files will be saved and companies will be asked for which folder/location at company side the file/message should be stored/saved at. Companies can save the respective file(s)/messages under the "naming" they prefer. Same will occur if camt.055.001.01 used, i.e. a prompt will ask companies "Do you want to save the Compliance and other respective files" and same procedure will apply as for the above response messages created by the tool

**Note:** The tool will automatically use companies file/message name and add either "ComplianceCheck", "PAIN002" or "CAMT054D". In case same file/message used by company several times – then the tool will add an additional sequence number to the file "naming".

Corporate Acces	ss Payables Test Tool	
Message type:	Corporate Access Payables validation	•
Message subtype:	PAIN.001.001.03	•
File:	top\XML Test Tools\PROD Testfiles\Till Per sepa fi	inal.xml Browse
	Validate	Select destination folder  Look in: Checkpain002  Computer  Computer  C: Users k 286400 \Desktop \checkpain002  Open

If pain.001.001.03 message accepted at "compliance" check level then tool will create two or three files. The tool will create one file with accepted "compliance" pain.002.001.03 message and an additional pain.002.001.03 message for "content business" validation response, which may in this case consist of both



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rejected and accepted transactions. You will, if the "content business" validation is positive also get a Camt054d file.

↓ Checkpain002							
Organize 👻 Include in library 👻 Share with 👻 New	folder						
🛠 Favorites	Name	Date modified	Туре	Size			
🧮 Desktop	DK INTC DO 16_ComplianceCheck	3/8/2016 1:37 PM	XML Document	2 KB			
🚺 Downloads	BK INTC DO 16_Pain002	3/8/2016 1:37 PM	XML Document	2 KB			
🖳 Recent Places							

If option "*No*" used – then all validations and results will be present via the interface, incl. compliance and potential content validation errors.

Once the Tool has validated the file/message, a window opens with validated file visible and possible errors or warnings within it.

Validation result						
Text Tree						
1 xml version="1.0" encoding="UTF-8" st</th <th>andalone="no"?&gt;<document xmlns="urn:iso:std:&lt;/th&gt;&lt;th&gt;iso:20022:tech:xsd:pain.001.001.03" xmlns:=""></document></th>	andalone="no"?> <document xmlns="urn:iso:std:&lt;/th&gt;&lt;th&gt;iso:20022:tech:xsd:pain.001.001.03" xmlns:=""></document>					
2 <cstmrcdttrfinitn></cstmrcdttrfinitn>						
3 <grphdr></grphdr>						
4 <msgid>MSGID-UAT4447<th>&gt;</th><th></th></msgid>	>					
5 <credttm>2016-03-30T16:47:0</credttm>	4+02:00					
6 <nboftxs>29</nboftxs>						
7 <initgpty></initgpty>						
8 <id>8</id>						
9 <orgia></orgia>						
	6447/Td>					
12 (10/1634323	644(/10)	-				
() () () () () () () () () () () () () (		•				
Summary Console XML errors Business rule error	s Compliance Check PAIN002					
XML errors	Fatal XML errors	Business rule errors				
1	0	0				
N=						

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The validated file/message can also be viewed in tree format. Choose Tree-tab from the top of the window.

M Validation result			ur 80 53
Test Tree			
Course Cath Rean Course	Nara	Plannageaux UR3	Take
Summary XML errors Dusiness rule errors			
(8, 13) 0T01 - InvalidGete - Invalid dete.			
[35,17] DTD1 - STVeRDete - Investordere. [91,17] RR05 - RegulatoryOnformator/Orvald - Regulatory or Central Serk Reporting Information missing, incomplete (91,17] RR05 - RegulatoryOnformator/Orvald - Regulatory or Central Serk Reporting Information missing. Incomplete (91,17] RR05 - RegulatoryOnformator/Onvald - Regulatory or Central Serk Reporting Information missing. Incomplete (91,17] RR05 - RegulatoryOnformator/Onvald - Regulatory or Central Serk Reporting Information missing. Incomplete (91,17] RR05 - RegulatoryOnformator/Onvald - Regulatory or Central Serk Reporting Information missing.	ete or invelid for crossborder payment. (Please note	a that error is only valid for amounts more than 150 D	00 SIDL and 300 000 MOK)

### 3.1 Errors

Below there are shown possible different kind of errors; XML errors, the Fatal XML errors and Business Rule errors. XML errors refer to XML schema, the ISO20222 standard. If the pain.001.001.03 message does not comply with the ISO XML standard, the schema, then it will be shown as an XML error.

Business rule errors refer to Nordea's rules for payments. Payment file can be according to XML schema but still contain business error, for example invalid customer identification. The error messages are displayed with the ISO20022 Error Codes, for example DT01 – Invalid date. Nordea has added additional text in some cases to be more specific about the nature of the error in question

ſ	🗾 V.	alidatio	n result					_	-	. 0	83
	Tex	t Tree	1								
	1 1 1 1 1 1 1 1	2 3 4 5 5 5 7 7 8 9 9 0 L 2 4 1 1 1 2 2 4 1 1 1 1 1 1 1 1 1 1 1 1	Console	n="1.0" end tTrfInitn> Edr> (MsgId>MSGI (CreDtTm>2C (NbOfTxs>29 (InitgPty> (Id> (0) XML errors	coding="UTF-8" st ID-UAT4447016-03-30T16:47:0 K cgId> c0thr> cId>1854323 cSchmeNm> "" Business rule error	andalone="no"?>   4+02:00644 S Compliance Cheo Fatal XML errors 0	Document xmlns="urn:iso	satd:iso:20022:tech:xa Business rule errors In	d:pain.001.001.03	" xmlnø	* F
	1					v		0	J		

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### 3.2 Warnings

In some cases Corporate Access Test Tool will show "*Warnings*" in the error Tab. These are notifications for customers to help avoid typical mistakes or un-necessary information for certain payment types. These "*Warnings*" may also be a result due to the fact that the Test Tool do not have access to actual production systems in order to perform correct validations, why they merely reflect issues within the file/message that potentially could result in rejection if sent in production environment. All "*Warnings*" are not always to be considered as errors and file is valid if there is only warning, but no errors.

_	
116	<nm>CREDITOR ACCOUNT NAME PS CORE SIT</nm>
117	
118	<rmtinf></rmtinf>
119	<ustrd>Payment type SE: Bankgiro in currency SEK. With an unstructerd message to beneficiary. Today's date</ustrd>
120	
121	
122	
123	
124	
125	
	•
0	NAL Rusinees rule errors
Sum	amary XML errors business rule errors
[6,13]	DT01 - InvalidDate - Invalid date.
[[36.1]	7l DT01 - InvalidDate - Invalid date.
[119,	<ol> <li>Warning - For payment type "Credit Transfer" (Payment to account) for Sweden, maximum 12 characters of Unstructured Remittance Information should be used.</li> </ol>

### 3.3 Compliance check (pain.002.001.03)

If file rejected at <u>compliance check level</u>, it will create separate pain.002 which can be saved in specified location on company side.

File Help		
Message type:	Corporate Access Payables validation	D Validation repult
Message subtype:	PAIN.001.001.03	Text Tree
File:	topiµML Test ToolsiPROD Testfilesi[Till Per sepa fina Validate	<pre>ictml version="1.0" encoding="utf-8"&gt;&gt; 2 &lt;Document xmlns="urn:iso:std:iso:20022:tech:xsd:pain.001.001.03" xmlns:xsi="http://www.w3.org/2001/XML 3 &lt;/pre&gt; <pre> <cstnrcdttrfintn> 4 </cstnrcdttrfintn></pre> <pre> <cstnrcdttrfintn> 5 </cstnrcdttrfintn></pre> <pre> <credttn>2016-02-26T17:00:23</credttn> 7 </pre> <pre> <credttn>2016-02-26T17:00:23</credttn> 9 </pre> <pre> <initgpty> 10 </initgpty></pre> <pre> </pre> <pre> </pre> <pre> </pre> </pre>
		Summary       Console       XML errors       Business rule errors       Compliance Check       Py N002 <grpsta>RJCT</grpsta>

The result will at the same time be shown at the lower part of the tool's two-folded screen, under a separate tab (i.e. "*Compliance check*"). In case of rejection on "compliance" level – then no "content business" validation will be available.



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### **3.4** Content business validation (pain.002.001.03)

If the pain.001.001.03 has passed the "compliance" check, companies can use the tab "*PAIN002*" and receive the result of the "content business" validation, either via the screen or as a separate message/file which can be stored by the company on their own choice of location.

an empirical management carrier	
File Help	TV Validation result
Message type: Corporate Access Payables validation	Text Tree
Message subtype: PAIN.001.001.03	1 cDocument xmlns="urn:iso:std:iso:20022:tech:xsd:psin.001.001.03" xmlns:xsi="http://www.w3.org/2001/XML:~
File: top\VML Test Tools\PROD Testfiles\Till Pe	3 <grpbdr> 4 12DK4</grpbdr>
Validate	5 <credttm>2016-03-07T14:40:47+01:00</credttm> 6 <lbodtxs>1</lbodtxs> 7 <initgpty></initgpty>
	8 <la>           9         <orgid>           10         <othr>           &lt; </othr></orgid></la>
	Summary Console XML errors Business rule errors Compliance Ch ck PAIN002
	<orgnlpmtinfandsts> <orgnlpmtinfid>12DK3</orgnlpmtinfid> <txinfandsts></txinfandsts></orgnlpmtinfandsts>
	<orgnlinstrid>999000000DK4</orgnlinstrid> <orgnlendtoendid>999000000DK4a</orgnlendtoendid> <txsts>ACCP</txsts>

Note: The pain.001.001.03 message and the result, i.e. pain.002.001.03 are shown at the same time.

### **3.5** Debit advice reporting (camt.054.001.02 Debit Notification)

The debit advice reporting offers companies to receive through Corporate Access Test Tool a camt.054.001.02 message out of the uploaded pain.001.001.03. the camt.054 message can either be viewed via the UI – at the same time as the original uploaded pain.001 are shown on the screen. This enables companies to see where different references, identifications, amounts, etc. are reported back in the debit advice by Nordea. This message can also, as described above, be downloaded by companies as a separate file.

Validation result	- 0 ×
Text Tree	
<pre>1 &lt;7xml version="1.0" encoding="UTF-5"?&gt;<document 2<="" :="" th="" xmlns="urn:iso:std:iso:20022:tech:xsd:pain.001.001.03"><th>xmlns:xsi="http://wex.wi = E</th></document></pre>	xmlns:xsi="http://wex.wi = E
4 cMagId>20151106-091426-202 5 <credttm>2016-06-03T09:14:32</credttm> 6 <nb0ftxs>3</nb0ftxs>	
7 cInitgPty> 8 cNm>Visma Software 9 cId>	
10 cOrgId> 11 cOchr>	
Summary Console XML errors Business rule errors Compliance Check PAIN00 CAMT0540	
xml version="1.0" encoding="UTF-8" standalone="no"? <document xmlns="urn:iso:std:iso:20022:tech:xsd:camt.054.001.02"> <bktocstmrdbtcdtntfctn> <grphdr></grphdr></bktocstmrdbtcdtntfctn></document>	
<pre></pre> <dsplit< pre=""> <dsplit< p=""> <dsplit< p=""> <dsplit< p=""> <dsplit< p=""> <dsplit< p=""> <dsplit< p="">  &lt;</dsplit<></dsplit<></dsplit<></dsplit<></dsplit<></dsplit<></dsplit<>	
<orgid> <otbr> <id>NDFATEST</id></otbr></orgid>	
	Pretty-Printed



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The debit advice reporting will also provide details about currency exchange calculations and how Nordea will apply its booking procedures for each selected payment. If no specific instructions used for batch booking in the pain.001 message then Nordea's standard booking principal will apply, which is:

- Domestic payments = Batch booking will apply, if possible
- International (cross-border, incl. SEPA) payments = Single booking will apply

**Note:** Nordea will provide details of bookings, related to the up-loaded pain.001 as closely to real production as possible, however Nordea cannot guarantee that the provided information through Corporate Access Test Tool will in all cases be exactly as produced as when being sent or processed in reality. This due to many different parameters, as set by companies in the uploaded pain.001, such as batch booking request (i.e. "true" or "false"), different payment type handlings which might deviate from country to country due to local settlement or clearing procedures. In addition exchange rate calculations involving all different kind of currencies, charges used by Nordea, etc. etc. will not reflect the accurate rates or charges that Nordea may apply form time to time.

### 3.6 If Corporate Access Test Tool do not respond correctly

In case Corporate Access Test Tool don't respond with either "Compliance" check, pain.002 (content) or camt.054 in accordance with this description, then please try to close down the tool entirely and restart it again. If still not responding as expected, please contact our support at:

Service Support Sweden: Telephone (+46) 771 77 6991 Norway: Telephone (+47) 232 06002 Denmark: Telephone (+45) 70 33 65 00 Finland: Telephone (+358) 200 67210

### 4 Corporate Access Test Tool technical help

If the tool fails to start, please follow the instructions below.

Steps to enable the Test tool:

1. Go to Control Panel and open Java, go to Security sheet.

Windows  $\rightarrow$  Control Panel  $\rightarrow$  Java $\rightarrow$ Security

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General Java Security Advanced
☑ Enable Java content in the browser
Security Level
- Very High
- High (minimum recommended)
- Medium
Java applications identified by a certificate from a trusted authority will be allowed to run.
Applications launched from the sites listed below will be allowed to run after the appropriate security
http://ds http://dsemo https://ism.root4.net/
Restore Security Prompts Manage Certificates
OK Cancel Apply

2. Click "Edit Site List" and then click add. Copy paste the below link in the empty row in the end of the table.

- a. For Corporate Access Test tool https://girolink.plusgirot.se/jnlp/glwsjl33.jnlp
- b. If you are facing trouble with starting the Corporate Access Envelope Validation tool then copy link <u>https://girolink.plusgirot.se/jnlp/glwsjl43.jnlp</u>

Applications launched from the sites listed below will be allowed to run after the appropriate security promots.
Location
http://ds
ttp://dsdemo
https://ism.root4.net/
* HTTP://AP-Calyp1p-a:8081/
https://ism.root4.net/
http://dctm1.root4.net:7002/
http://dctm2.root4.net:7003/
http://wp.root4.net:7001/
http://cc-p-d45-c05-s01.cr.root4.net:7004/
Add Remove will be allowed to run.
EILE and HTTP protocols are considered a security rick
We recommend using HTTPS sites where available.
) run after the appropriate
OK Cancel

- 3. Click OK and close the Control Panel.
- 4. Click the link below to start the Test tool

https://girolink-n.preprod.test.nordea.com/jnlp/glwsjl33.jnlp

### 4.1 If Test tool does not start

If there are technical issues with the test tool, deleting Java cache can help. Steps to delete Java cache:

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- 1. Go to Control Panel and open Java, go to General -sheet.
- 2. Click Settings
- 3. Then Delete Files
- 4. Tick all the boxes and click OK.

General Java Security Advanced	
About	
View version information about Java Control Panel.	
	About
	About
Network Settings	
Network settings are used when making Internet connections. By o settings in your web browser. Only advanced users should modify	lefault, Java will use the network these settings.
	Network Settings
Temporary Internet Files	
Files you use in Java applications are stored in a special folder for o users should delete files or modify these settings.	quick execution later. Only advanced
	Settings View
Java in the browser is enabled.	
See the Security tab	
	OK Cancel Apply

### 5. Click on Delete files

Temporary Files Settings
☑ Keep temporary files on my computer.
Location
Select the location where temporary files are kept:
ers\z139429\AppData\LocalLow\Sun\Java\Deployment\cache
Disk Space Select the compression level for JAR files: None -
Set the amount of disk space for storing temporary files:
32768 - MB
Delete Files Restore Defaults
OK Cancel

6. Tick all boxes and click OK.

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Delete Files and Applications
Delete the following files?
Trace and Log Files
Cached Applications and Applets
Installed Applications and Applets
OK Cancel

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- 7. Close all Control panel windows, Corporate Access Test tool should be ready to use now.
- 8. <u>Link</u> to start the tool.