

Corporate eGateway

Supports a centralised payment and collection factory

Corporate eGateway is Nordea's file based mass payment service for customers demanding one point of entry for bulk payments and collections in the Nordic and Baltic countries, Germany, Russia, the UK and the US (incl. Canada). The service provides a uniform file interface that covers all relevant types of domestic and cross-border payments, including direct debits (e.g. the Nordic area). In Sweden, the service makes it possible to handle both PlusGiro and Bankgiro payments in one file.

One-point-of entry

Corporate eGateway offers a one-point-of entry point to both domestic and international payment systems in the Nordic and Baltic countries, Germany, Russia, the UK and the US, including Canada.

The domestic payment systems differ significantly from country to country. Each country has its own set of rules for communication, security, file layouts, cut-off times, etc. Corporate eGateway is an all-in-one solution that provides one uniform interface. Instead of adjusting to many local standards, your company only needs one file format, one security solution etc.

Centralisation of the payment infrastructure limits the maintenance of system interface to one-point-of entry and one format. The need to adapt to local changes is reduced, and external and internal changes of the IT infrastructure can be made without interfering with one another.

Benefits

- One system interface, one banking partner, one agreement and one support function
- Possibility to build a Shared Service Centre for payments
- Automated reconciliation processes
- Reduced operating and transactional costs
- The same syntax for all countries
- Limited maintenance of system interface
- Reduced need to adapt to local changes
- External and internal IT changes can be made independently

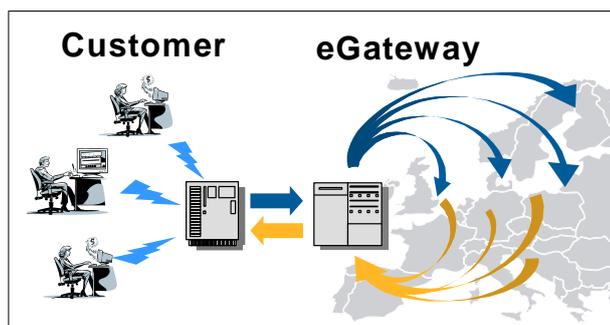
It is possible to mix payment instructions to all countries in the same file. Both outgoing and incoming payments are handled in a way that facilitates straight-through-processing and automatic reconciliation for both the payer and the payee.

In Sweden, the solution covers both the PlusGiro and Bankgiro systems, which makes it possible to substitute all PlusGiro and Bankgiro services with one single file format.

EDI or Message server

Nordea strongly recommends customers who want to centralise the management of incoming and outgoing payments to use an EDI/Message server for file conversion, security and communication instead of implementing EDI/Message solutions directly in the ledger systems. An EDI or Message server has a number of built-in functions, but mainly it provides a stand-alone EDI or Message infrastructure. Changes like addition of new payment types or extension to other countries may be implemented in the EDI/Message server without disturbing internal operations.

The EDI or Message server functions as a gateway towards Nordea as well as other banks and it allows different internal systems and subsidiaries to use the same payment interface. Functions like cancellations of payments or displaying status reports that are not supported by your company's ERP system may be operated directly from the EDI or Message server.



Appendix 1 - Technical description

Formats

Nordea offers worldwide standardized formats, such as ISO20022 XML and EDIFACT Messages which are based on UN/ EDIFACT directory D.96A.

Supported ISO20022 message are payments, (pain.001 / 002), direct debits (pain.007 / 008), debit/credit advices (camt.054), account statements (camt.053), direct debit mandates (pain.009 / 011 / 012) and direct debit cancellations (camt.055 / 029). Supported EDIFACT Messages are PAYMUL, DIRDEB, BANSTA, DEBMUL, CREMUL, FINSTA, AUTHOR, AUTACK and CONTRL. All Corporate eGateway services are offered in EDIFACT format. See the country specific services in Appendix 2.

Data communication

Your company and Corporate eGateway exchange files in EDIFACT or XML formats via FTP/VPN, SFTP, SWIFTNet FileAct, AS2, Web Services or a VANS operator. Corporate eGateway and the local payment systems exchange files in country-specific or SWIFT formats via Nordea's internal network. Corporate eGateway converts between customer chosen format and other local formats.

When receiving a file from your company, Corporate eGateway validates the file security and checks the file content on a syntax level. A CONTRL or pain.002 Message is returned within an hour (normally within 20 minutes). The CONTRL or pain.002 Message indicates either that Nordea rejects the instructions because the content of the received file has an invalid syntax or that Nordea assumes responsibility for further processing of the instructions. In case of a security error, Nordea takes contact directly to your company instead of returning a CONTRL or pain.002 Message.

Security

It is important, for the participants to make sure that payment orders are valid instructions to the bank in order to prevent attempted fraud. This means ensuring that a valid party gives the instructions in such a way that it cannot subsequently be denied that the orders were sent. Furthermore, it must be ensured that the instructions are not changed or manipulated by any other party during the transfer.

To ensure this, the transactions should be covered by integrity, origin authentication and non-repudiation of origin techniques.

An interchange or file transmission to Corporate eGateway is secured with either PGP or an imbedded AUTACK Message (only for EDIFACT format).

The content of the AUTACK Message (the digital signatures) is calculated using a RSA algorithm. Your company is responsible for generating at least a 1024-bit (minimum size) private-public-key-pair in order to be able to produce the digital signatures on company or personal level. Your company has to deliver the generated public keys in binary mode by e-mail (default) to Nordea. For full encryption and/or integrity, Nordea offers PGP security methods (both for EDIFACT and XML format) that are accepted worldwide for file transmissions. WebService connectivity (only for XML format) is based on PKI security method.

Disbursements

Your company sends payment orders in PAYMUL or pain.001 Messages to Corporate eGateway, which converts them to country-specific or SWIFT formats and forwards them to the respective local payment systems.

Statuses for the payment orders on the transmission day, (the day they arrive to the local payment systems), are reported back in BANSTA or pain.002 Messages. Depending on your choice, the status reports include either all payment orders or only the rejected ones.

The local Nordea banks carry out the payment orders on the requested payment days.

Completed transactions are reported either in debit advices, DEBMUL or camt.054, or account statements, i.e. FINSTA or camt.053 Messages.

You assign a unique number to each payment in the PAYMUL or pain.001 Message.

The payment numbers are stored by Nordea and reported back in the status reports BANSTA or pain.002, debit advices, in EDIFACT or camt.054, and account statements, i.e. FINSTA or camt.053 Messages, which facilitate automated checking of outgoing payments.

Appendix 2 - Service description

Payment services

Customer	eGateway
PAYMUL/pain.001	Payment orders →
BANSTA/pain.002	Rejected/accepted locally ←
DEBMUL/camt.054	Debit advices (Nordic) ←
FINSTA/camt.053	Bank statement ←

The following payment types are available via PAYMUL or pain.001 in the different countries:

Cross-border payments (all countries in EDIFACT, Nordic & Baltic countries in XML)

- Ordinary payment
- Cheque payment (money order) (not Baltics & Russia)
- Intercompany payment
- Urgent (Express) payment (not UK, Russia & US)
- EU/SEPA Payment (Baltic countries, Denmark, Finland, Germany, Norway and Sweden)
- Same Day Value payments (not Russia & US)
- Financial payments (not Baltics, Russia & US)

Domestic payments

Denmark (EDIFACT & XML v3)

- Bank transfers (“Easy-account” (NemKonto, same-day-credit transfer, standard, brief and prompt advice)
- Giro payment/transfer form (01,04,15,71, 73 and 75)
- Payment to money order (cheque)
- Salary payment
- Same Day Value payments
- Financial payments
- Intercompany payment

Estonia (EDIFACT & XML v3)

- Ordinary payment to account
- Express payment
- Salary payment
- Pension payment

Finland (EDIFACT & XML v3)

- Payment to account with reference
- Payment to account non-reference
- Salary and pension
- Payment to money order
- Same Day Value payments
- Financial payments
- Intercompany payment

Germany (EDIFACT & XML v3)

- Ordinary payment to account
- Express payment
- Intercompany payment

Latvia (EDIFACT & XML v3)

- Ordinary payment to account
- Express payment
- Pension payment
- Salary payment

Lithuania (EDIFACT & XML v3)

- Ordinary payment to account
- Express payment
- Salary payment

Norway (EDIFACT & XML v3)

- Payment with “KID” or other reference
- Payment with advice
- Salary and pension payments
- Payment to money order
- Express payment
- Same Day Value payments
- Financial payments
- Intercompany

Russia (EDIFACT & XML v3)

- Payment to account
- Salary payment
- Intercompany payment

Sweden (EDIFACT & XML v3)

- Giro and reference payment to PlusGiro
- Giro and reference payment to Bankgirot via PlusGiro
- Payment from PlusGiro to money order
- Deposit to bank account via PlusGiro
- Tax payment via PlusGiro
- Salary and pension payment via PlusGiro
- Giro and reference payment to Bankgirot
- Payment from Bankgirot to money order
- Deposit to bank account via Bankgirot
- Salary payment via Bankgirot
- Tax payment via Bankgirot
- Same Day Value payments (not via Bankgiro)
- Financial payments (not via Bankgiro).

UK (EDIFACT & XML v3)

- CHAPS payment
- BACS payment
- Faster payment
- Payment to cheque
- Intercompany payment

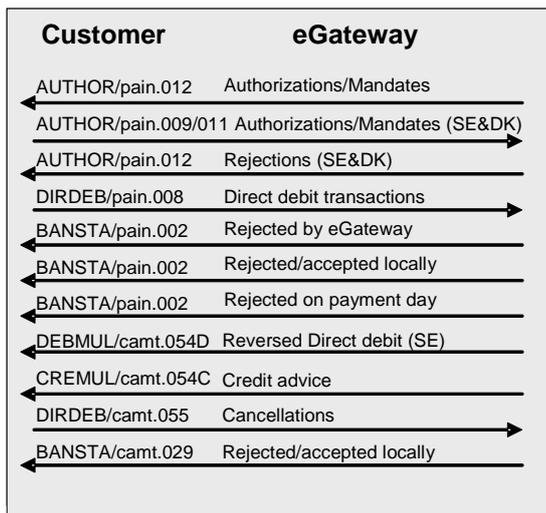
US (incl. Canada) (EDIFACT & XML v3)

- ACH payment (incl. Canada)
- Outsourced check payment
- Wire payments

Payments, status reports and debit advices via account statement are available in EDIFACT and XML format for the Nordic and Baltic countries, Germany, Poland, the UK and the US. Domestic debit advices in EDIFACT (DEBMUL) and XML (camt.054) are only available in the Nordic & Baltic countries.

Account statements are available for all countries.

Direct debits



New/deleted mandates (authorisations) initiated via the local bank are reported from Corporate eGateway in AUTHOR/pain.012 Messages.

New/deleted authorisations initiated via your company are sent to Corporate eGateway in AUTHOR/pain.009 / 011 Messages.

Rejections of new/deleted mandates initiated via your company are reported to you either in AUTHOR or BANSTA / pain.012 Messages.

Your company sends direct debit instructions in DIRDEB / pain.008 Messages to Corporate eGateway which converts them to country-specific formats and forwards them to the respective local payment systems.

Instructions rejected by Corporate eGateway or by the local system are reported back in BANSTA / pain.002 Messages. The debtors' banks carry out the debit instructions on due date. Rejected direct debit transactions are reported in BANSTA / pain.002 Messages. Repayments to debtors are reported in DEBMUL / camt.054 Messages. Direct debit payments credited to your company's account are reported back in CREMUL / camt.054 Messages. You may cancel previously sent direct debit instructions via DIRDEB / cam.055 Messages. Rejected and accepted cancellations are reported back in BANSTA / camt.029 Messages.

The following types of direct debit services are available in the different countries:

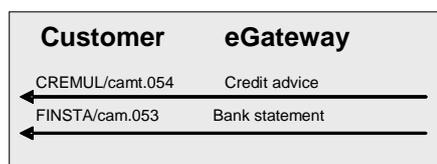
- Denmark** Betalingsservice (BS) - incl. Transfer form (FIK)
LeverandørService (LS)
- Norway** Avtalegiro
- Sweden** Autogiro

Mandates sent from your company in AUTHOR / pain.012 Messages and rejections reported to you in AUTHOR / pain.012 Messages are only used in Sweden and Denmark. DEBMUL/pain.007 for reversed payments to the debtor are only used in Sweden.

Collections

Your company receives information about all collections in the account statement. The local Nordea bank sends account statements in country-specific or SWIFT formats to Corporate eGateway where they are converted into EDIFACT, XML or SWIFT Messages and forwarded to you.

Your company is provided with all possible payment information as well as transaction references, e.g. the invoice number, in a structured format in EDIFACT (CREMUL) and XML (camt054) Messages. . Domestic reference payments, e.g. supplier payments, processed in the local bank or clearing house are often reported as a net sum per payment type and day in account statement and as individual transactions in EDIFACT (CREMUL) and XML (camt054). The Message is used for automatic reconciliation of incoming domestic reference payments and direct debits.



The following types of collections are available via EDIFACT (CREMUL) and XML (camt054) in the different countries:

Denmark

- Reference payments (FIK 71, 75))
- Non-reference payments (FIK 73)
- Account to account non-reference payments
- Direct debit payments (BS Total, BS Basis, LeverandørService)
- Point of Sale (Card transaction)
- International payments

Estonia

- Reference payments
- Non reference payments
- Direct Debit payments
- International payments
- Cash Pool transactions
- Point of Sale (Card transaction)

Finland

- Account to account reference payments
- Account to account non-reference payments
- Domestic/EU SEPA payments
- Direct Debit payments
- Cash Pool transactions
- Corrections of debit transactions
- Point of Sale (Card transactions)
- International payments

Latvia

- Non reference payments
- Reference payments
- Point of Sale (Card transaction)
- Cash Pool transactions
- Direct Debit payments
- International payments

Lithuania

- Non reference payments
- Direct Debit payments
- International payments
- Point of Sale (Card transaction)
- Cash Pool transactions

Norway

- Reference payments (KID)
- Non-reference payments through Nets
- Account to account non-reference payments
- Direct debit payments (Avtalegiro)
- Point of Sale (Card transaction)
- International payments
- Cash Pool transactions

Sweden

- PlusGiro - reference payments (IS, e.g. OCR, TotalIN)
- PlusGiro - non-reference payments (TotalIN)
- PlusGiro – returned money orders
- Bankgiro – all domestic payments (Bg-Inbetalningar)
- Bankgiro – returned money orders
- Bankgiro - direct debit payments
- Point of Sale (Card transaction)
- International payments
- Cash Pool transactions

US

- Lockbox reporting (BAI2 file format)

Note: Incoming domestic & cross-border payments for Germany, Russia and the UK are reported as individual transactions in EDIFACT FINSTA or XML camt.053 and are at present not included in the EDIFACT (CREMUL) and XML (camt054) Message.

Account statements

The EDIFACT FINSTA or XML camt.053 Message is an account statement that contains balance and transaction information. Your company can use the account statement information for automatic reconciliation of account balances, outgoing and incoming payments.

The account statement is available in EDIFACT (FINSTA) and XML (camt.053) for the Nordic and Baltic countries, Germany, Russia, the UK and the US.

eXtensible Markup Language (XML) format

The objective of ISO 20022/UNIFI is to enable communication interoperability between financial institutions, their market infrastructures and their end-user communities using XML messages (Extensible Mark-up Language).

Nordea is an active participant to many of the international forums developing the ISO 20022 messages. Nordea is also committed to offer ISO 20022 compliant services for corporate customers.

To ensure the introduction and success of XML on a global level, the Common Global Implementation (CGI) Working Group was established in 2009, which Nordea has been part of from the start.



The objective of the Common Global Implementation (CGI) initiative is to provide a forum for financial institutions (banks and bank associations) and non-financial institutions (Corporates, corporate associations, vendors and market infrastructures) to progress various corporate-to-bank implementation topics on the use of ISO 20022 messages and to other related activities, in the payments domain.

CGI has completed the definition of a set of implementation rules during 2011-2013 that covers:

- Credit Transfer initiation (pain.001)
- Payment Status Report (pain.002)
- Direct Debit (pain.008)
- Direct debit mandates (pain.009-012)
- Account statement report (camt.053)
- Credit & debit notification reports (camt.054)

Implementation team

In order to ensure successful implementation we have an extensive network of multi-lingual and highly-qualified banking professionals providing a combination of local knowledge and regional expertise to help you meet your strategic business goals.

How to proceed

Contact your local account manager or cash management specialist to get further information and details about Corporate eGateway.