eFaktura ERP service

User guide

Version 1.0

1. Changelog

Version	Description	Author	Date
0.1	Created document	Morten Gjestad	23.08.2016
0.2	Added 4.6 and 4.7	Morten Gjestad	30.08.2016
0.3	Added 3.5	Morten Gjestad	26.09.2016
0.4	Added getEfakturaIdentifiers, addInvoices and getInvoiceStatus	Morten Gjestad	16.11.2016
1.0	Performed QA	Morten Gjestad/Marius Grav	21.11.2016

2. Introduction

2.1. Intent of this document

The eFaktura ERP Service – documents the online web service that is provided to ERP in the eFaktura solution. The document describes all function calls and parameters that will necessary to use the solution.

This document and the eFaktura ERP WSDL will be the needed to implement this service.

2.2. Target Audience

Technical staff in ERP companies that is implement support for the eFaktura solution.

2.3. Other documentation

WSDL
HTML version of WSDL

2.4. External resources

XML standard : www.w3.org
SOAP   : ws.apache.org/soap/

3. Function overview

3.1. Method calls

The following method calls are available in the service.

Function	Service
createIssuer	ERP service
addBrandAgreementRule	ERP service
deleteBrandAgreementRule	ERP service
deleteIssuer	ERP service
getIssuer	ERP service
getEfakturaIdentifiers	ERP service
getInvoiceStatus	ERP service
addInvoices	ERP service
getConsignmentStatus	ERP service
addAgreement	B2C agreement service
getReceiverList	B2C agreement service
updateReceiverStatus	B2C agreement service

3.2. Common parameteres for all functions

Parameter	Explanation
AuditInformationType	Audit information consists of a MessageIdentifier. This is a string that is used for auditing and logging. It must be between 5 and 50 characters. The ERP provider is free to add the content of the MessageIdentifier, but it is recommended to make it unique for future reference.
UsernameToken	The username token is a part of the WSSE security which is a part of the SOAP header. It must be added for all calls with the username and password that is provided by Nets. If not provided no access will be granted to the service.

3.3. Other errors

If the username and password supplied in the UsernameToken tag in the header is incorrect a ServerFault will be thrown.

3.4 Connection information

Production environment

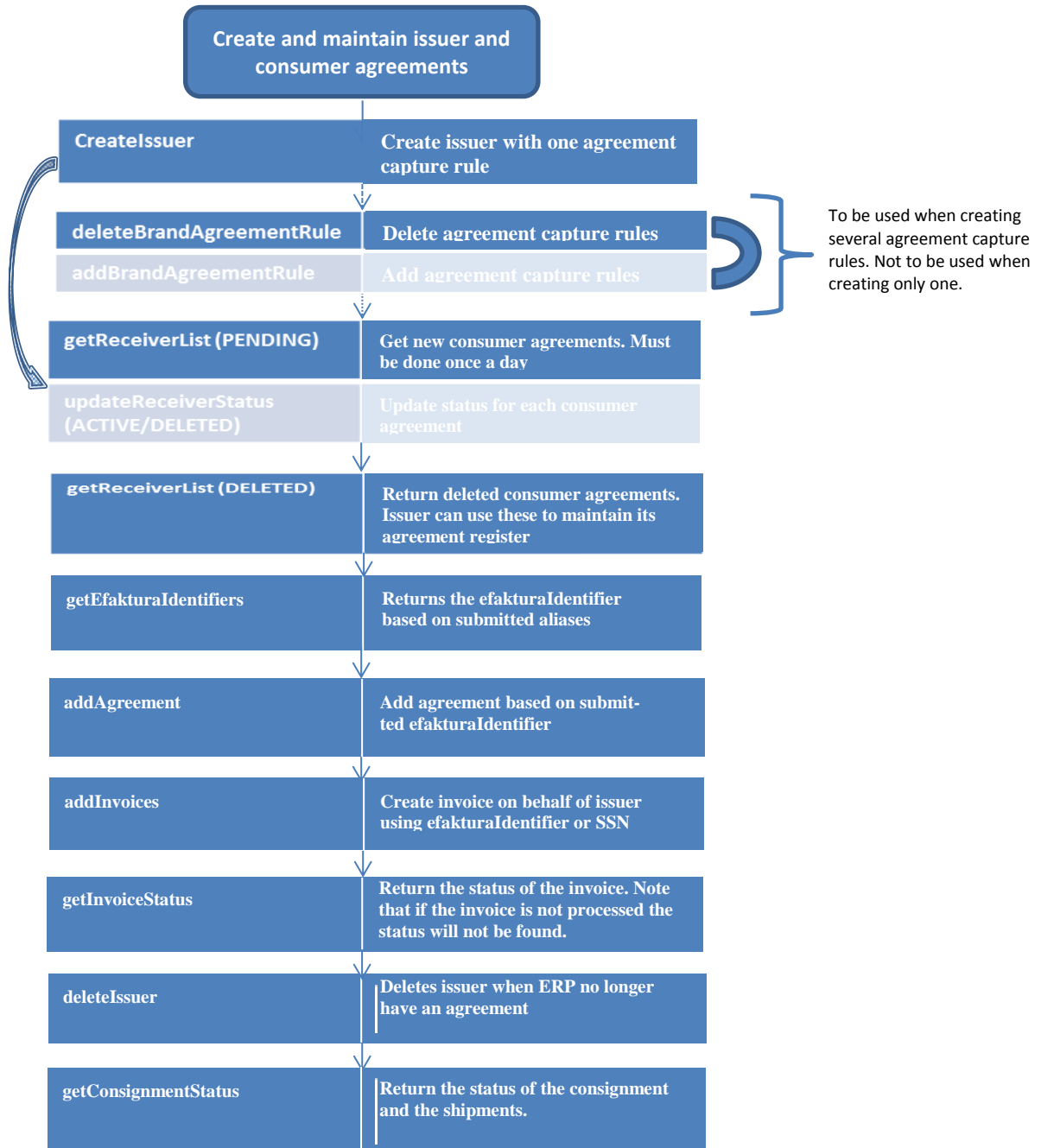https://efaktura-services.nets.no/invoicing-erp/v1/

https://efaktura-services.nets.no/b2c-online-agreement/v1/

Test environment

https://efaktura-services-test.nets.no/invoicing-erp/v1/

https://efaktura-services-test.nets.no/b2c-online-agreement/v1/

3.5 Usecase

Create and maintain issuer and consumer agreements

CreateIssuer	Create issuer with one agreement capture rule
deleteBrandAgreementRule	Delete agreement capture rules
addBrandAgreementRule	Add agreement capture rules
getReceiverList (PENDING)	Get new consumer agreements. Must be done once a day
updateReceiverStatus (ACTIVE/DELETED)	Update status for each consumer agreement
getReceiverList (DELETED)	Return deleted consumer agreements. Issuer can use these to maintain its agreement register
getEfakturaIdentifiers	Returns the efakturaIdentifier based on submitted aliases
addAgreement	Add agreement based on submitted efakturaIdentifier
addInvoices	Create invoice on behalf of issuer using efakturaIdentifier or SSN
getInvoiceStatus	Return the status of the invoice. Note that if the invoice is not processed the status will not be found.
deleteIssuer	Deletes issuer when ERP no longer have an agreement
getConsignmentStatus	Return the status of the consignment and the shipments.

To be used when creating several agreement capture rules. Not to be used when creating only one.

4. Implemeting the ERP service functions

4.1. Creating an issuer

Before an invoice can be sent an issuer agreement must be created if one does not already exists. The ERP provider does this using the createIssuer call. If the issuer agreement already exists the old agreement will be deleted and a new one created for this provider. Please view the WSDL for details on the parameters.

Description	Function call
Creates an issuer based on the given parameters.	createIssuer

4.2. Delete an issuer

If the ERP provider no longer has an agreement with the issuer the provider must delete the issuer. The ERP provider will no longer be able to act on behalf of the issuer and no function calls will be allowed.

Description	Function call
Deletes an issuer.	deleteIssuer

4.3. Get information about an issuer

This method is used to fetch information about an issuer. The input parameter is organization number.

Description	Function call
Fetch information about an issuer bases on the given parameter.	GetIssuer

4.4. Add a consumer agreement

This method is used to add an consumer agreement on behalf of the consumer. The consumer agreement is used b the issuer to identify the consumer.

Description	Function call
Adding a consumer agreement.	AddAgreement

4.5. Add agreement capture rule

This method is used to add an agreement capture rule that enables a consumer to get suggestion to receive eFaktura from an issuer in the Online Bank. To be able to use agreement capture rule, the issuer needs to use KID.

Description	Function call
Adding an agreement capture rule.	AddBrandAgreementRule

4.6. Change agreement capture rule

Used when issuer change KID or account number.

Description	Function call
Deleting an agreement capture rule	deleteBrandAgreementRule

4.7. getReceiverList

Returns a list of consumer agreements (receiverListResponse) from an issuer. One consumer can have the following status: 'PENDING', 'DELETED', 'ACTIVE', 'INACTIVE'. Should be used once a day to retrieve PENDING and DELETED agreements.

Description	Function call
Returns a list receivers for a given issuer.	getReceiverList

4.8. updateReceiverStatus

Used to update consumer agreements. All pending agreements must be activated or refused.

Description	Function call
Update the given receiver with the given status.	updateReceiverStatus

4.9. Get consumers eFakturaidentifier

Using alias to identify the consumer.

Description	Function call
When the ERP provider have the consumers alias, lookup the efakturaIdentifier	getEfakturaIdentifiers

4.10. Add invoice on behalf of issuer

Create invoice on behalf of issuer.

Description	Function call
Create invoices on behalf of issuer using efakturaIdentifier for identifying the consumer	addInvoices

4.11. Getting status on an invoice

When adding invoices a consignment id and an invoice id must be provided. Based on these ids and the issuer a status the invoice may be retrieved.

Description	Function call
Return the invoice status. Note that if the invoice is not processed the status will not be found.	getInvoiceStatus

4.12. Get a consumers eFakturaidentifier

Using alias to identify the consumer.

Description	Function call
When the ERP provider have the consumers alias, lookup the efakturaIdentifier	getEfakturaIdentifiers

4.13. getConsignmentStatus

When adding invoices a consignment id must be provided. Based on the consignment id and the issuer a status on each invoice may be retrieved.

Description	Function call
Return the status of the consignment and the shipments. Note that if the consignment is not processed the status will be not found.	getConsignmentStatus