



Profile 5
Basic Billing

Version 2.0



NES PROFILE

Basic Billing

1	profile ID	2
2	context	2
3	summary	2
4	description	2
5	profile scenarios	3
6	business requirements	3
7	business benefits	4
8	use case diagram	4
9	actors involved in the process	5
10	process parameters	5
11	activity diagram	7
12	activity description	8
13	scenario 1	10
13.1	scenario 1 activity diagram	10
13.2	scenario 1 runtime business rules	10
13.3	scenario 1 post-conditions	10
14	scenario 2	11
14.1	scenario 2 activity diagram	11
14.2	scenario 2 runtime business rules	12
14.3	scenario 2 post-conditions	12
15	scenario 3	13
15.1	scenario 3 activity diagram	13
15.2	scenario 3 runtime business rules	14
15.3	scenario 3 post-conditions	14
16	scenario 4	15
16.1	scenario 4 activity diagram	15
16.2	scenario 4 runtime business rules	16
16.3	scenario 4 post-conditions	16



NES PROFILE

Basic Billing

1 profile ID

urn:www.nesubl.eu:profiles:profile5:ver2.0

2 context

This profile applies to:

- all NES countries
- Customer and Supplier organisations of all sizes
- Customer and Supplier organisations in all sectors, public and private
- all types of goods and services

3 summary

Subject:

- Invoicing and Crediting
- Invoice acceptance and error notification
- Rectification of Invoice errors by supplementary Invoice and/or Credit Note
- in the profile title, 'Basic' indicates that the document content is a profile specific NES subset (see NES Profile Overview, section 2)

Exclusions:

- Invoice acceptance and notification of Invoice errors are external (manual)

Requirements:

- the Invoice and Credit Note must comply with the commercial and fiscal requirements of the country where the Supplier is registered
- Credit Notes must refer to Invoices

Aims:

- systemised Invoice and Credit Note processing
- reduced manual intervention and errors

4 description

This profile describes a process comprising an electronic Invoice and, potentially, an electronic Credit note. It is intended for situations where invoicing is electronic but where matching of the Invoice to other electronic documents may not be practicable. The Invoice and Credit Note are self-contained documents with



NES PROFILE

Basic Billing

respect to commercial and fiscal requirements.

Billing anomalies are resolved by the issuing of a Credit Note and/or a subsequent Invoice.

It is not a primary objective of this profile to facilitate automatic Order matching and/or cost allocation; the profile assumes limited or no procurement data content and limited or no aligned and synchronized identifiers in the system to match the transaction.

Large parts of the Invoice may be expressed as text rather than identifiers and codes e.g. the Invoice may contain Items (goods or services) with Item identifiers and Items with free text description.

This profile can be used with no or little integration to ERP systems. It may be introduced with minimal advance exchange agreement if coding schemes are not used.

This profile may cover Invoice factoring arrangements.

Documents included in this profile:

- Invoice (basic)
- Credit Note (basic)

5 profile scenarios

1. accepted Invoice
2. Invoice overcharge
3. Invoice undercharge
4. Invoice contains wrong information

6 business requirements

1. the Supplier sends an electronic Invoice and, potentially, an electronic Credit Note that can be received and processed by the Customer
2. the Invoice and Credit Note must comply with the commercial and fiscal requirements of the country where the Supplier is registered
3. the Invoice and Credit Note content enables the Customer's system to route the document to a specific person, department or unit within the organisation; this may be required for authorisation etc.
4. the Invoice and Credit Note content facilitates automatic validation of legal and tax values, tax accounting and

NES PROFILE Basic Billing

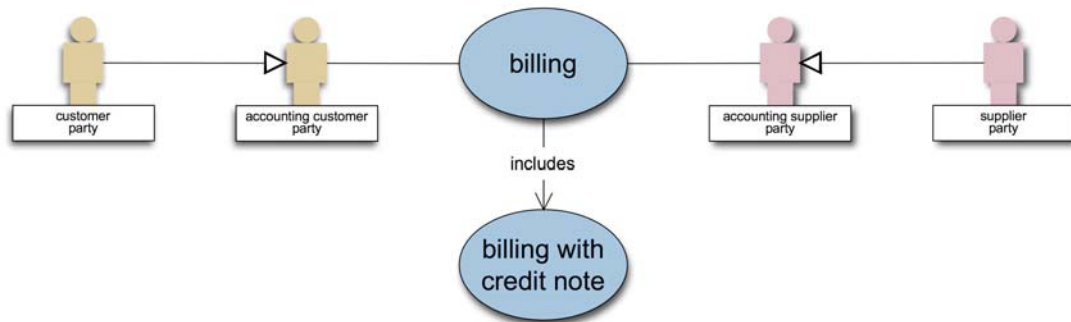
payment

5. Credit Notes refer to associated Invoices

7 business benefits

aspect	beneficiary	benefit
automated Invoice transfer	Supplier	<ul style="list-style-type: none"> • faster Invoice transfers • acknowledgement of Invoice receipt (at technical level) • potential for shortened payment cycle and improved cash flow
automated Invoice processing	Customer	<ul style="list-style-type: none"> • reduced requirement for manual intervention leads to fewer human keying errors • automatic Invoice validation • potential for systematic Invoice processing • resource redeployment

8 use case diagram





NES PROFILE

Basic Billing

9 actors involved in the process

party	role	comments
Supplier	Accounting	<p>The Party that claims the payment and is responsible for resolving billing issues and arranging settlement.</p> <p>The Party that sends the Invoice and the Credit Note.</p> <p>Also known as Invoice Issuer, Accounts Receivable, Creditor.</p>
Customer	Accounting	<p>The Party responsible for making settlement relating to a purchase.</p> <p>The Party that receives the Invoice and the Credit Note.</p> <p>Also known as Invoicee, Accounts Payable, Debtor.</p>

10 process parameters

business rules

- document level
1. an Invoice represents a claim for payment for specific goods and services or for the provision of goods and services over a defined period of time
 2. a Credit Note must refer to an original Invoice
 3. reference to a contract or framework agreement may only be made at document level
 4. Payment Means and Terms stated at document level must apply to all Invoice or Credit Note Lines
 5. accounting details stated at document level must apply to all Invoice or Credit Note Lines
 6. tax information stated at document level must apply to all Invoice or Credit Note Lines
 7. periodic Invoices including returns may result in a negative total
 8. stated pre-payments must apply to the Invoice as a whole
 9. Invoice acceptance applies to the entire Invoice



NES PROFILE

Basic Billing

- line level
1. an Invoice Line may contain an identified Item or an Item with a free text description
 2. line level tax coding is mandatory in some countries

exceptions

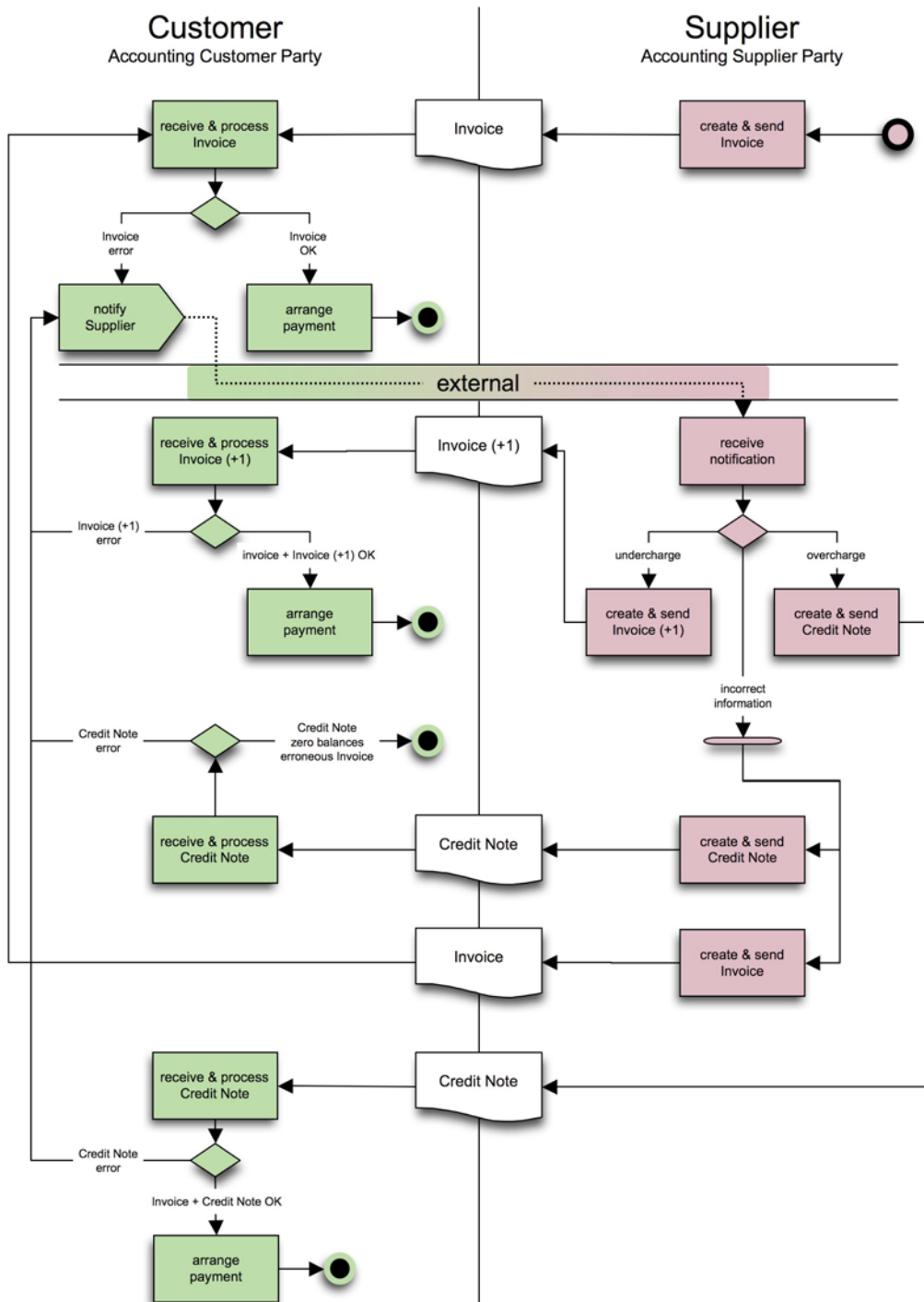
1. the notification of Invoice errors is handled externally

pre-conditions

1. the Customer and the Supplier have identified each other and a contract between the two or an Order exists
2. the Customer has agreed to accept electronic Invoices and Credit Notes that use the profile

NES PROFILE Basic Billing

11 activity diagram



NES PROFILE

Basic Billing

12 activity description

role/party	activity	description
Accounting Supplier	create and send Invoice	Accounting Supplier creates and sends an Invoice to Accounting Customer.
Accounting Customer	receive and process Invoice	Accounting Customer receives and processes the Invoice.
Accounting Customer	accept or reject Invoice	Accounting Customer accepts or rejects Invoice in full. Acceptance of the Invoice (external) initiates a payment process. Rejection leads to Accounting Customer's notifying Accounting Supplier of the discrepancy (external).
<i>Accounting Customer</i>	<i>accept Invoice – arrange payment</i>	<i>In accepting the Invoice, Accounting Customer Party initiates a payment process (external).</i>
<i>Accounting Customer</i>	<i>reject Invoice – notify Accounting Supplier</i>	<i>In rejecting the Invoice, Accounting Customer Party notifies Accounting Supplier Party (external).</i>
Accounting Supplier	receive and process (external) notification	Accounting Supplier receives and processes the manual notification from Accounting Customer. Note: this profile does not preclude the Accounting Supplier from noticing an error and taking corrective action independently.
<i>Accounting Supplier</i>	<i>create and send Invoice (+1)</i>	<i>If the notification has (correctly) identified an undercharge, Accounting Supplier creates and sends a second Invoice to Accounting Customer.</i>
<i>Accounting Supplier</i>	<i>create and send Credit Note</i>	<i>If the notification has (correctly) identified an overcharge, Accounting Supplier creates and sends a Credit Note to Accounting Customer.</i>
<i>Accounting Supplier</i>	<i>create and send Credit Note and</i>	<i>If the notification has (correctly) identified an Invoice containing wrong information (other than monetary amounts), Accounting Supplier creates</i>

NES PROFILE Basic Billing

12 activity description

role/party	activity	description
	<i>'replacement' Invoice</i>	<i>and sends a Credit Note (zero balancing the Invoice) and a replacement Invoice to Accounting Customer.</i>
<i>Accounting Customer</i>	<i>receive and process Invoice (+1)</i>	<i>Accounting Customer receives and processes Invoice (+1). If Invoice + Invoice (+1) equals the correct amount, payment is initiated.</i>
<i>Accounting Customer</i>	<i>receive and process Credit Note</i>	<i>Accounting Customer receives and processes the Credit Note. If Invoice + Credit Note equals the correct amount, payment is initiated.</i>
<i>Accounting Customer</i>	<i>receive and process Credit Note and 'replacement' Invoice</i>	<i>Accounting Customer receives and processes the Credit Note and the 'replacement' Invoice (new process). If the Credit Note zero balances the Invoice, the Credit Note processing ends; if not, the Customer notifies the Supplier (external).</i>

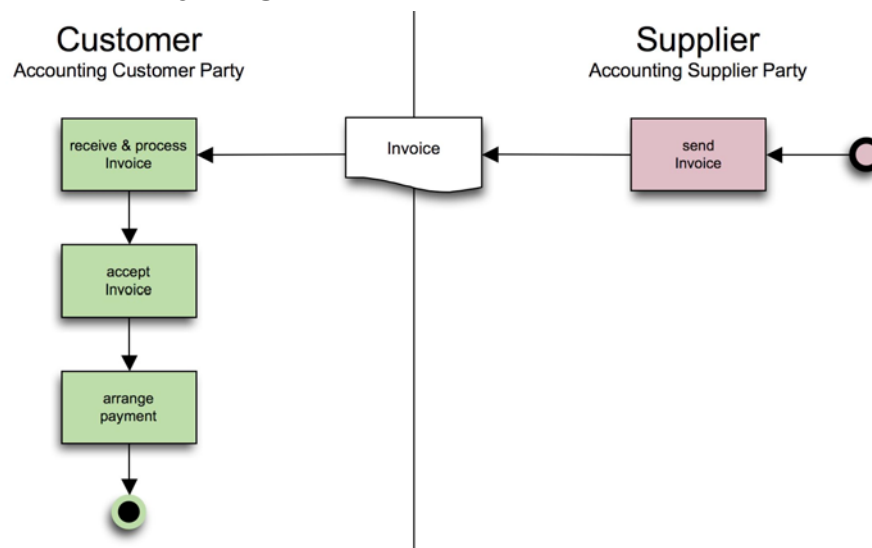
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13 scenario 1

name accepted Invoice

description In this scenario the Customer accepts the Invoice.

13.1 scenario 1 activity diagram



13.2 scenario 1 runtime business rules

1. the Customer accepts the Invoice in full

13.3 scenario 1 post-conditions

1. based on the accepted Invoice, the Customer arranges payment of the agreed amount, by an agreed means and in accordance with the agreed terms

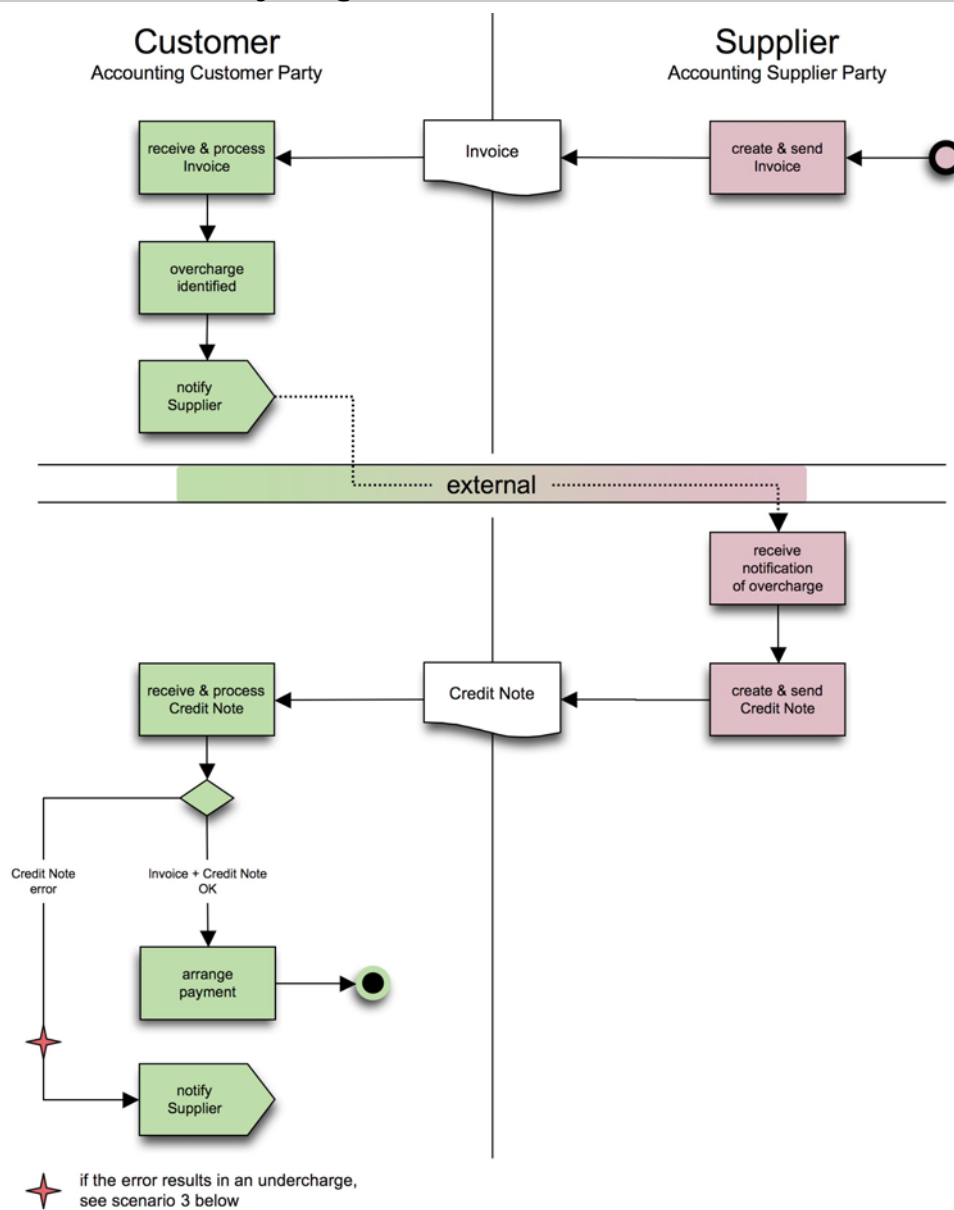
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14 scenario 2

name Invoice overcharge

description In this scenario the Invoice value is too high and is resolved by the Supplier's sending a Credit Note.

14.1 scenario 2 activity diagram



NES PROFILE

Basic Billing

14.2 scenario 2 runtime business rules

1. the Customer processes the Invoice and identifies an overcharge
2. the Customer notifies the Supplier (external)
3. the Supplier (in agreement) sends a Credit Note to the Customer
4. the Customer processes the Credit Note. If correct i.e. Invoice + Credit Note equals the correct amount, payment is initiated
5. if incorrect, the Customer notifies the Supplier (external). The Supplier may issue another document (Invoice or Credit Note) depending on agreement and on the nature of the error

14.3 scenario 2 post-conditions

1. the amounts due from the Customer to the Supplier are resolved and payment is arranged, or
2. the amounts due from the Customer to the Supplier are not resolved and the Supplier is further notified

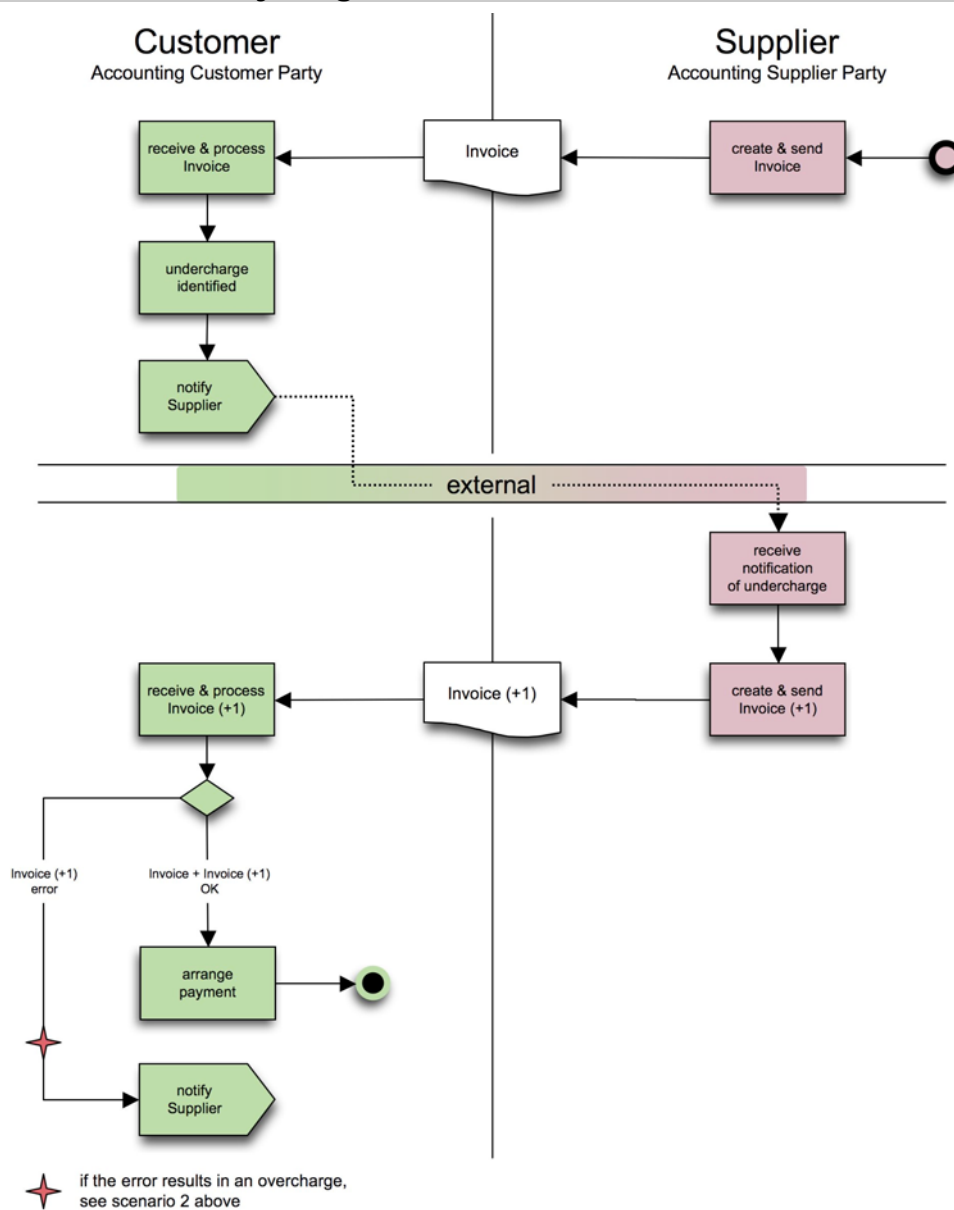
NES PROFILE Basic Billing

15 scenario 3

name Invoice undercharge

description In this scenario the Invoice value is too low and is resolved by the Supplier's sending a supplementary Invoice.

15.1 scenario 3 activity diagram





NES PROFILE

Basic Billing

15.2 scenario 3 runtime business rules

1. the Customer processes the Invoice and identifies an undercharge
2. the Customer notifies the Supplier (external)
3. the Supplier (in agreement) sends a supplementary Invoice to the Customer
4. the Customer processes the supplementary Invoice. If correct i.e. Invoice + Invoice (+1) equals the correct amount, payment is initiated
5. if incorrect, the Customer notifies the Supplier (external). The Supplier may issue another document (Invoice or Credit Note) depending on agreement and on the nature of the error

15.3 scenario 3 post-conditions

1. the amounts due from the Customer to the Supplier are resolved and payment is arranged, or
2. the amounts due from the Customer to the Supplier are not resolved and the Supplier is further notified

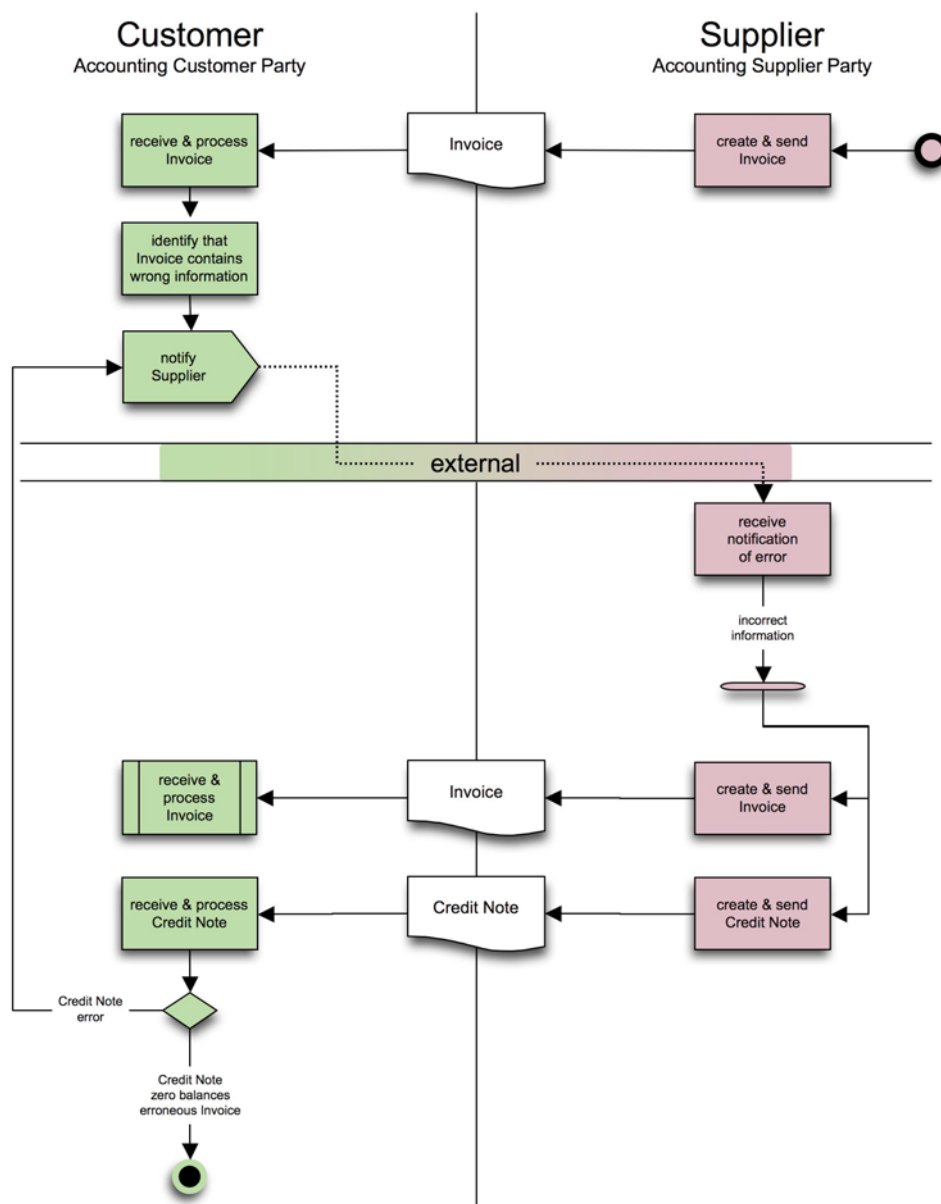
NES PROFILE Basic Billing

16 scenario 4

name Invoice contains wrong information

description In this scenario the Invoice contains wrong information that prevents it's being processed through to payment e.g. the Invoice describes wrong Items or references.

16.1 scenario 4 activity diagram



NES PROFILE

Basic Billing

16.2 scenario 4 runtime business rules

1. the Customer processes the Invoice and identifies an error (other than an error in amounts)
2. the Customer notifies the Supplier (external)
3. the Supplier (in agreement) sends a Credit Note zero balancing the erroneous Invoice and a 'replacement' Invoice to the Customer
4. the Customer processes the Credit Note. If the Credit Note zero balances the Invoice, the Credit Note processing ends; if not, the Customer notifies the Supplier
5. the Customer processes the 'replacement' Invoice (new process)

16.3 scenario 4 post-conditions

1. the Credit Note zero balances the original Invoice and the 'replacement' Invoice is processed
2. the Credit Note does not zero balance the original Invoice, the Supplier is notified and the 'replacement' Invoice is processed