

## Findings and Recommendations on SelfBilling in eSM 2.0.3

Please consider another important finding about Self Billing, we just recently identified in our productive operations.

### Invoice ID & Purchase Order Number with Self Billing:

The latest eSM CpML 2.0.3 specification says:

- For InvoiceID: "If 'ProcessInformation/SenderRole' is set to "ShadowDocumentIssuer" and 'InvoiceData/Selfbilling is set to "True", then this field is mandatory."  
*Source: Pages 14-15 of CpML*
- For ProcessInformation: „In case of selfbilling, the official document issuer is the customer, in other cases it is the supplier.“  
*Source: Page 10 of CpML*

This means the following cases apply (shown in first table). However, no matter if a Self Billing applies or not, in case of an Invoice (as it is a legal document), the sender should and must always be the OfficialDocumentIssuer (as shown in second table).

### Cases based on as-is specification in eSM CpML (pages 10 and 14-15):

Case	Document Type	~Self-billing	SenderRole	Role	InvoiceID	InvoiceDate	PurchaseOrderNumber
1	PurchaseOrder	TRUE	Official-Document-Issuer	Customer			X
2	Invoice	FALSE	Official-Document-Issuer	Supplier	X	X	
3	Invoice	TRUE	Shadow-Document-Issuer	Supplier	X	X	
4	PurchaseOrder	FALSE	Shadow-Document-Issuer	Customer			X

### How correct table should look like:

Case	Document Type	~Self-billing	SenderRole	Role	InvoiceID	InvoiceDate	PurchaseOrderNumber
1	PurchaseOrder	TRUE	Official-Document-Issuer	Customer			X
2	Invoice	FALSE	Official-Document-Issuer	Supplier	X	X	
3	Invoice	TRUE	Official-Document-Issuer	Customer	X	X	
4	PurchaseOrder	FALSE	Shadow-Document-Issuer	Customer			X