

BPMN Extensions for ebBP

This is an initial proposal for a few BPMN extensions to represent the choreography of business collaborations. Here is an example (Process PO collaboration).

In this proposal, we show:

- Connect a private process to the collaboration notation. This shows the collaboration and private views where the small circle on each side of the BTA represents an endpoint. The private process connects to these end points (which is not fully represented here).
- The double line activity represents a business transaction.
- The dashed line represents the direction (initiating to responder), the response flow is not indicating. When two flows cross the activity (e.g. Cancel) it means that both parties can initiate that transaction.
- Optionally, we can represent the message flow (PO / Ack PO).
- A gateway can represent, for example, forks and joins. It can also enable activities such as the Change and Cancel PO, until a timeout occurs. That gateway does not exist in the private process. Note, that the semantic of a fork gateway in a collaboration means that the BTA is enabled, not that it is necessarily executed.

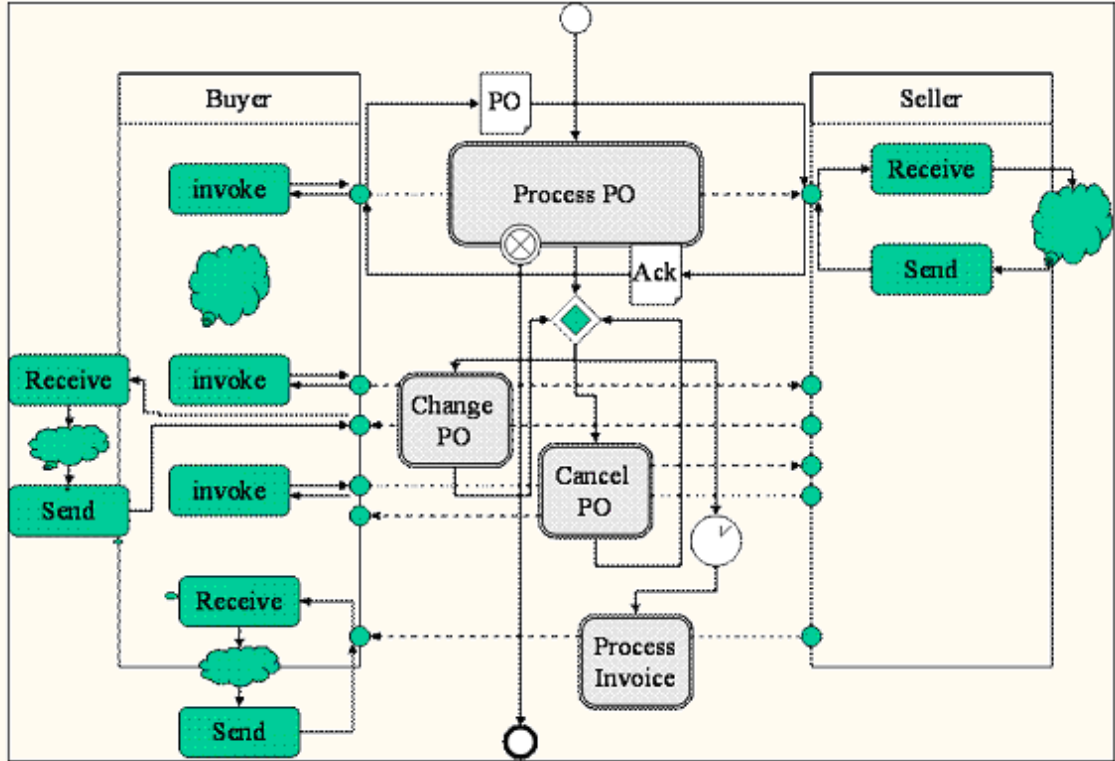
Future considerations/work:

- How this notation could represent fully specified business collaborations, such as adding symbols that designate BTA or business transaction patterns
- How this notation could effectively create a unified display that represents several emerging business process standards, such as ebBP, WS-CDL and WS-BPEL

Notes:

- The mapping between the Business Service Interface and private processes is likely implicit in this visualization.
- This diagram only provides a brief example (is not complete).
- Signals are not shown but are important to the business collaboration.

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credits: Jean-Jacques Dubray, Attachmate, August 2004