Two-Action PIDX Invoice

Two-Action PIDX Invoice-Invoice Response Partner Interface Process

Documents Involved:
PIDX Invoice (from Version? And upwards)
PIDX Receipt Acknowledgement
PIDX Invoice Response (from Version? And upwards)
PIDX Receipt Acknowledgement Exception

The Process
The steps for this two action PIP are as follows:

- The Supplier initiates the process by generating a PIDX invoice XML
- The Supplier queues and transmits the invoice XML asynchronously to the Buyer and waits for the Buyer to send back a receipt acknowledgement
- The Buyer validates the structure of the received invoice and if valid, returns a receipt acknowledgement XML (Synchronous).
- If the invoice is not valid, the Buyer invokes an exception workflow which may be configured to generate and send back a receipt acknowledgement exception (Synchronous).
- The Supplier waits for a PIDX invoice response if it receives a receipt acknowledgement. Otherwise it invokes an exception workflow
- The Buyer, upon receiving a valid invoice, processes the invoice, creates a PIDX invoice response, queues it and sends it back to the Supplier (Asynchronous). The correlation ID of the invoice response MUST match the correlation ID of the invoice
- The Supplier receives the invoice response, validates its structure, and if valid, returns a receipt acknowledgement (Synchronous) and closes the conversation with a success status. If the invoice response is not valid, a receipt acknowledgment exception may be generated and send back through an exception workflow (Synchronous).
- The Buyer system receives a receipt acknowledgement and closes the conversation at its end. Otherwise, the Buyer system invokes an exception workflow.

For two-action PIPS through a marketplace, the Buyer and the Supplier will have separate conversations with the marketplace. However, the correlation ID in both conversations will be the same.
Process Diagram

The diagram below illustrates the two-action PIDX invoice-invoice response PIP:

**PIDX Two-Action Invoice-Invoice Response (Asynchronous)**

![Process Diagram](image-url)
Open Questions:
1. Is the Receipt ack exception a mandatory requirement in invoice-invoice response PIP?
2. What is the suggested time-out duration?