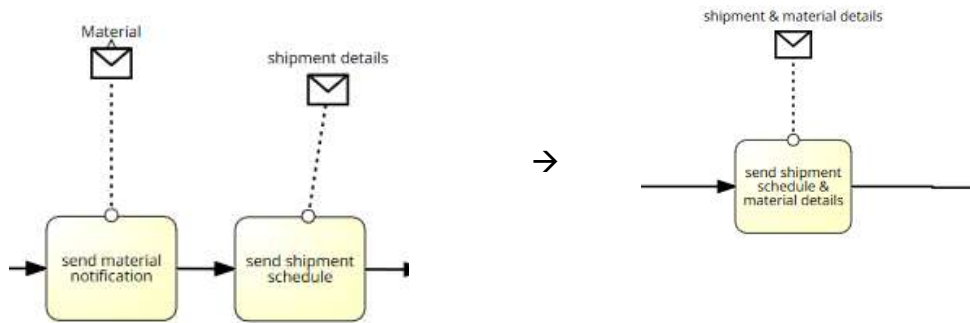


Private goal: Reduce administration 20%

1. Reorganize first batch of shipment and material notification:

- Private process:



Now the supplier hasn't check twice his materials, first for producing materials and second for shipment schedule for the first batch. Therefore the supplier hasn't to contact the manufacturer twice. The supplier verifies once which materials he has and which materials have to be produced. If the supplier verified all materials needs he sends the manufacturer a notification about the shipment schedule includes the first batch and the material details.

This change has an influence to both manufacturer and in the end to the assembler.

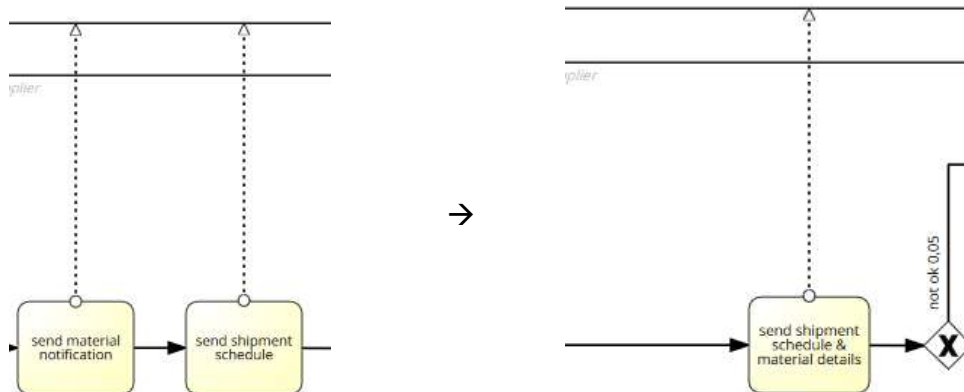
Advantages for manufacturer:

In the case that nothing happen, he gets just one notification for one order. Therefore, he knows all details about when each shipment arrives and how much prune aluminium have to be produced.

Advantages for supplier:

He just verifies one time the required materials and send only one Message to the manufacturer.

- Public process:

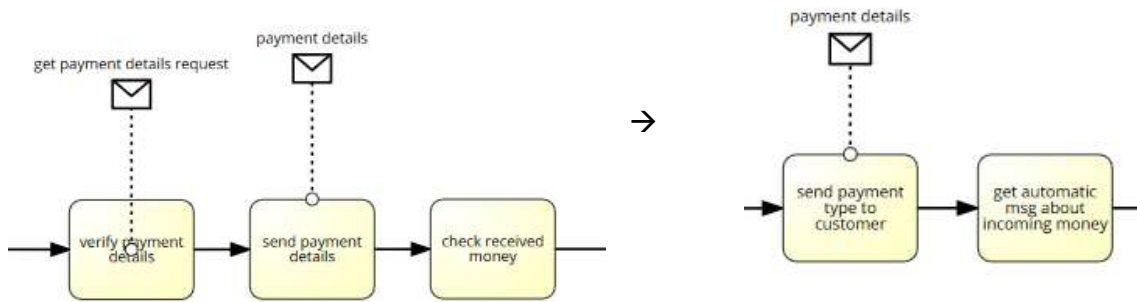


The public process changed to delete one task ("send material notification") and replace another one ("send shipment schedule") with a task called "send shipment schedule & material details".

- Objective functions → Excel

## 2. Reorganize payment strategy

- Private process



Now the customer isn't allowed to send the supplier a payment request to ask if his payment variant is ok or not. The supplier only informs the manufacturer about the kind of the payment and the manufacturer has to pay in this way. If the payment or a deposit is incoming, a worker receives a notification from the bank system and then the supplier informs the customer about the materials and the shipment schedule. Therefore, a worker hasn't to check if the money is on the bank account or not.

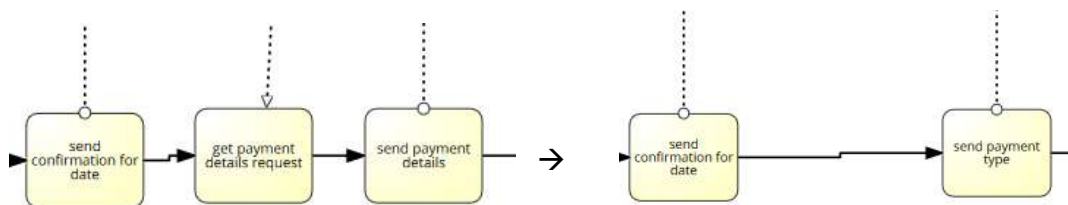
Advantages for manufacturer:

No advantage

Advantages for supplier:

Have only his payment type, which reduces the administration effort.

- Public process

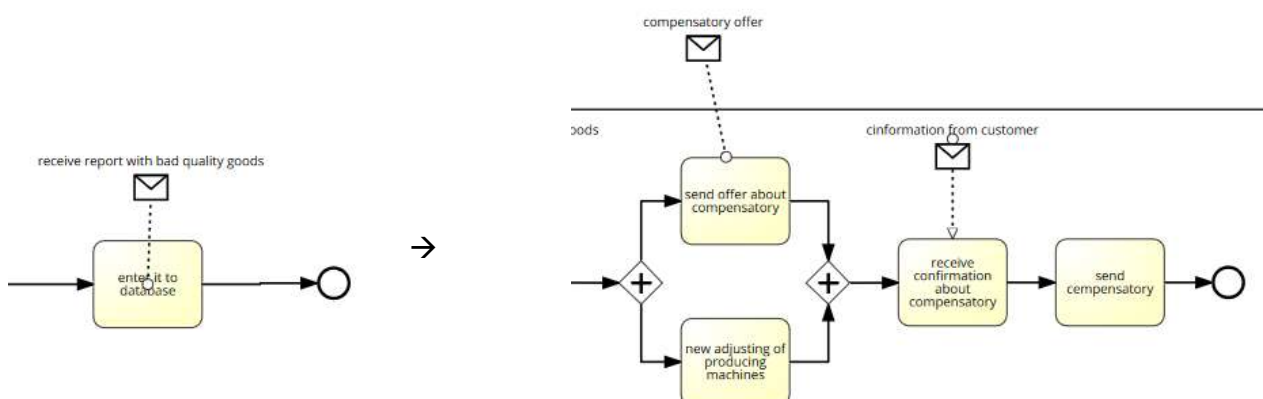


Supplier doesn't receive a Message about the payment details from a customer. So this task is removed.

- Objective functions → Excel

## 3. Reorganize process to offer customer a compensatory

- Private Process



If the delivered goods are not in the appropriate quality the supplier doesn't want to lose the customer. Therefore, the supplier has an incentive to offer any kind of a compensatory. During sending the offer, a worker checks the producing machine and readjusts them to avoid bad quality. Assumption: The customer accepts every time the compensatory from the supplier. Before the reorganize the customer receives anything.

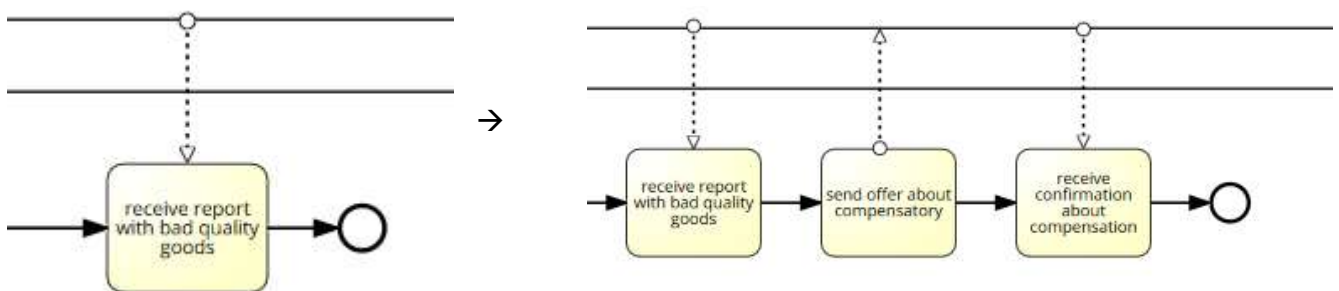
After the confirmation the supplier send the monetary compensation to the customer.

This change has an influence to both manufacturer and in the end to the assembler.

Advantage Manufacturer: Receives a compensation

Advantage Supplier: Don't lose the customer (manufacturer)

- Public process

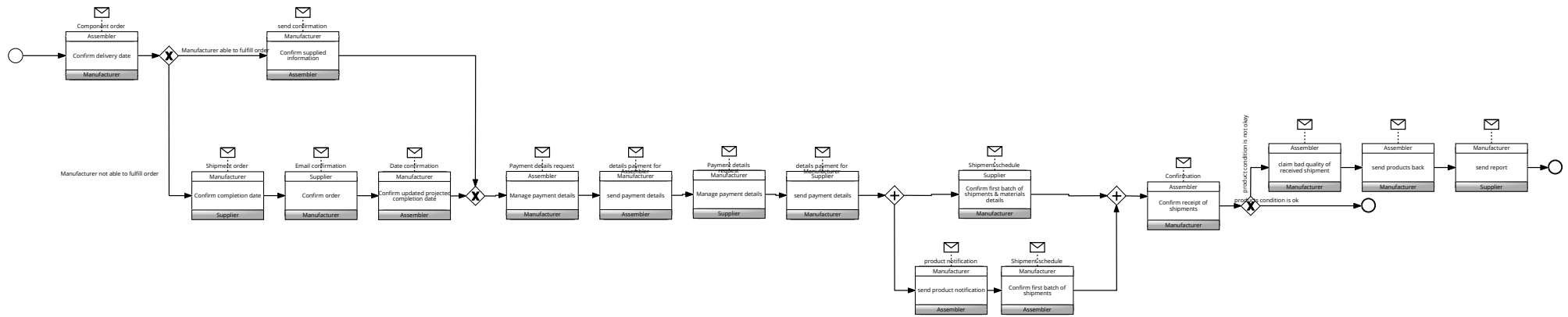


Adding two tasks to handle the compensation with the customer.

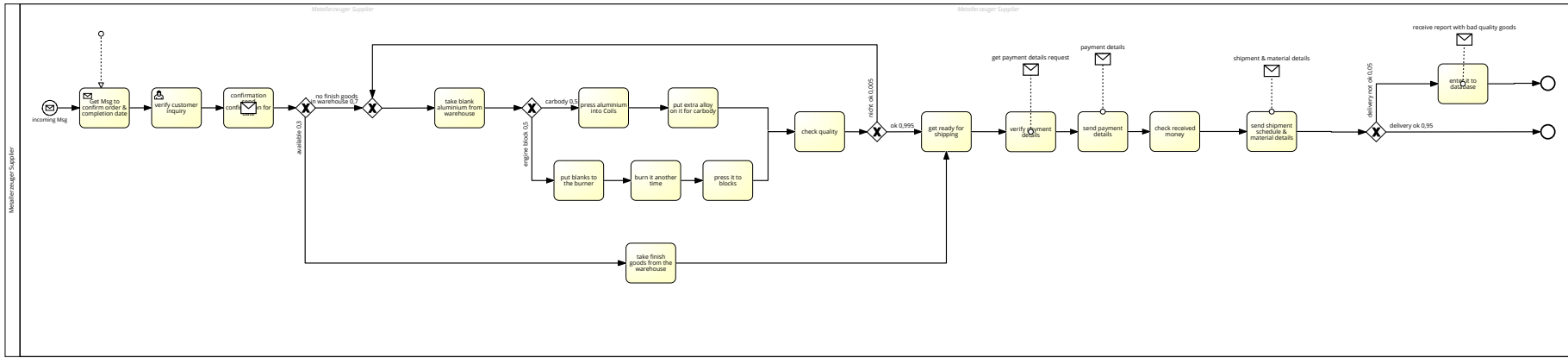
- Objective functions → Excel

The choreographies, private and public models from each change are attached.

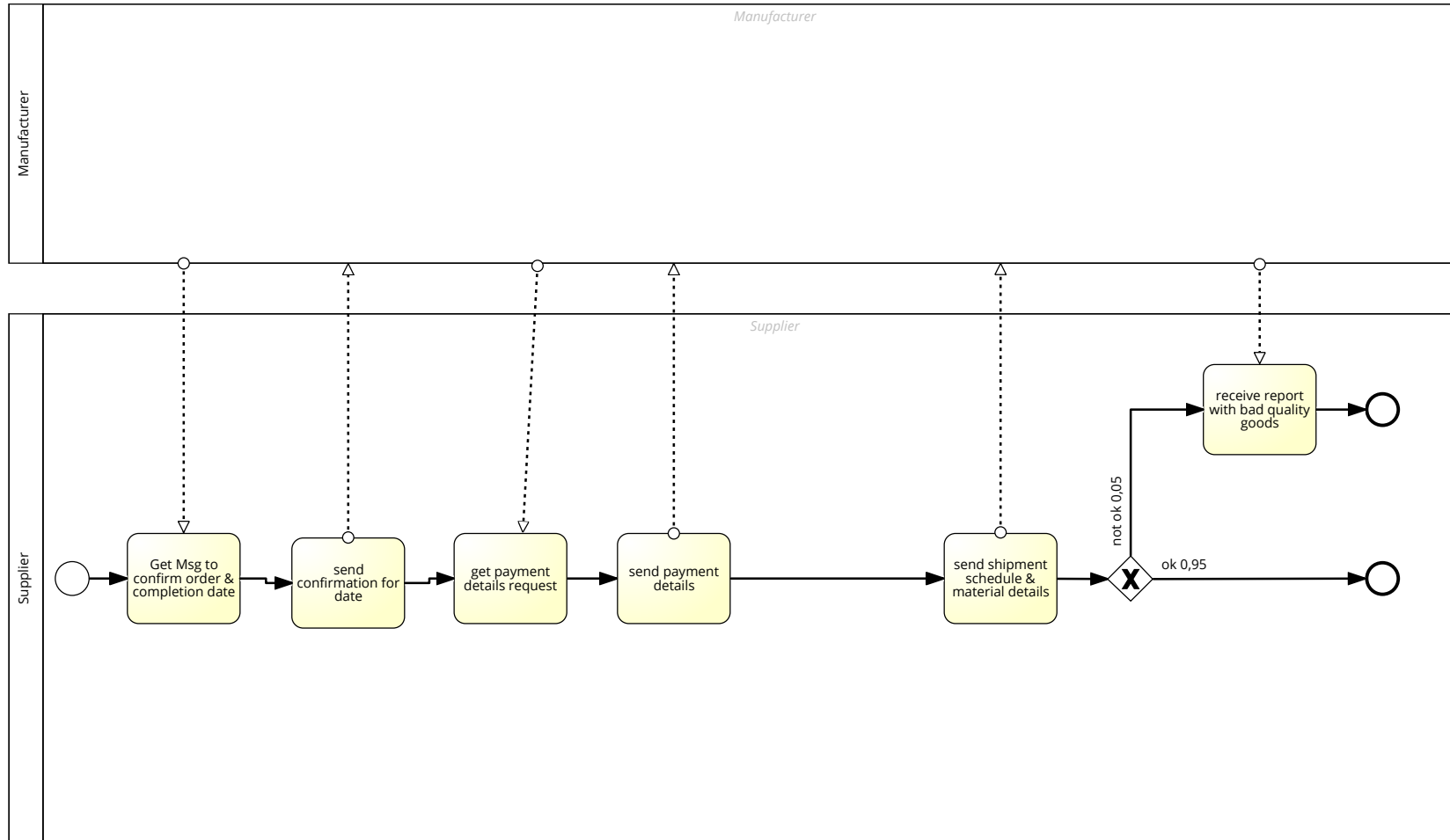
# Interoperabilität\_material notification



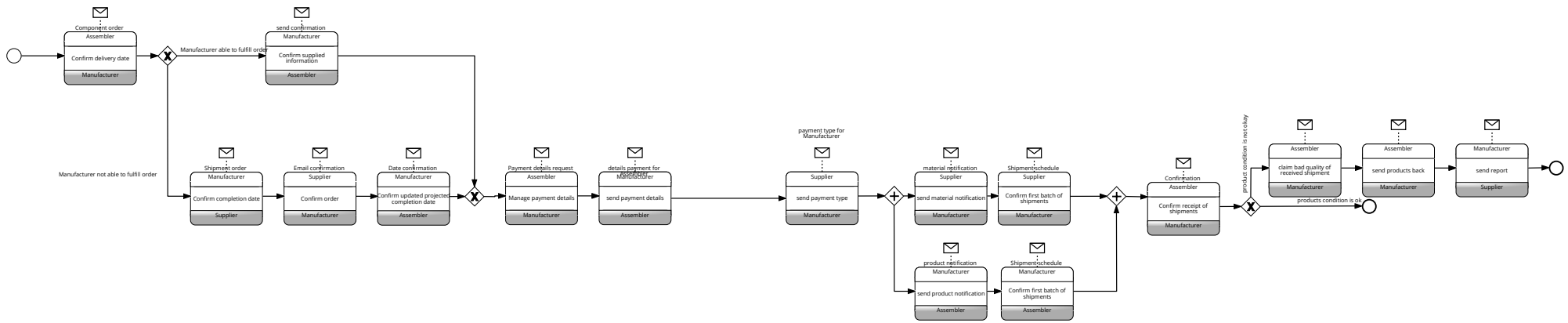
# PrivateProcess material notification



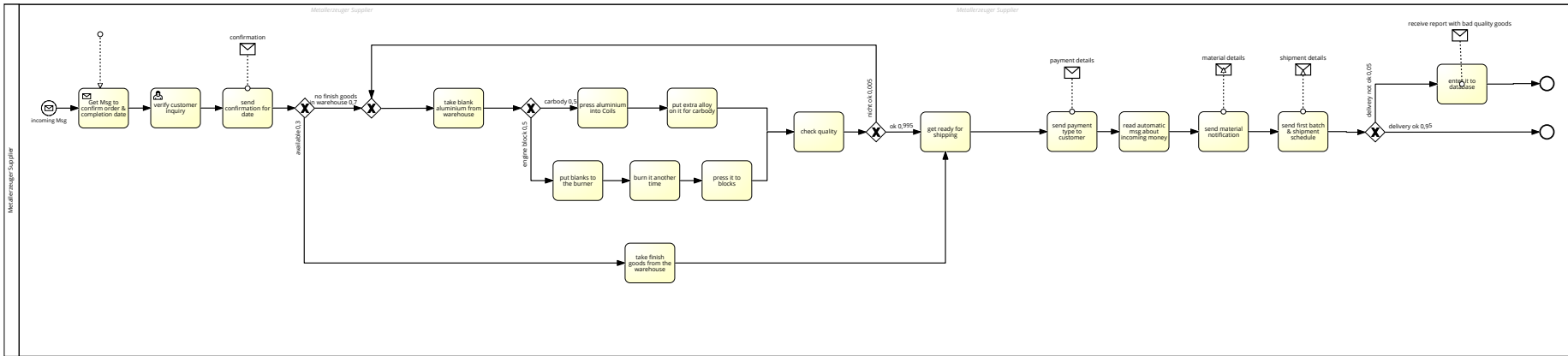
# PublicProcess material notification



# Choreographien Beazhlen

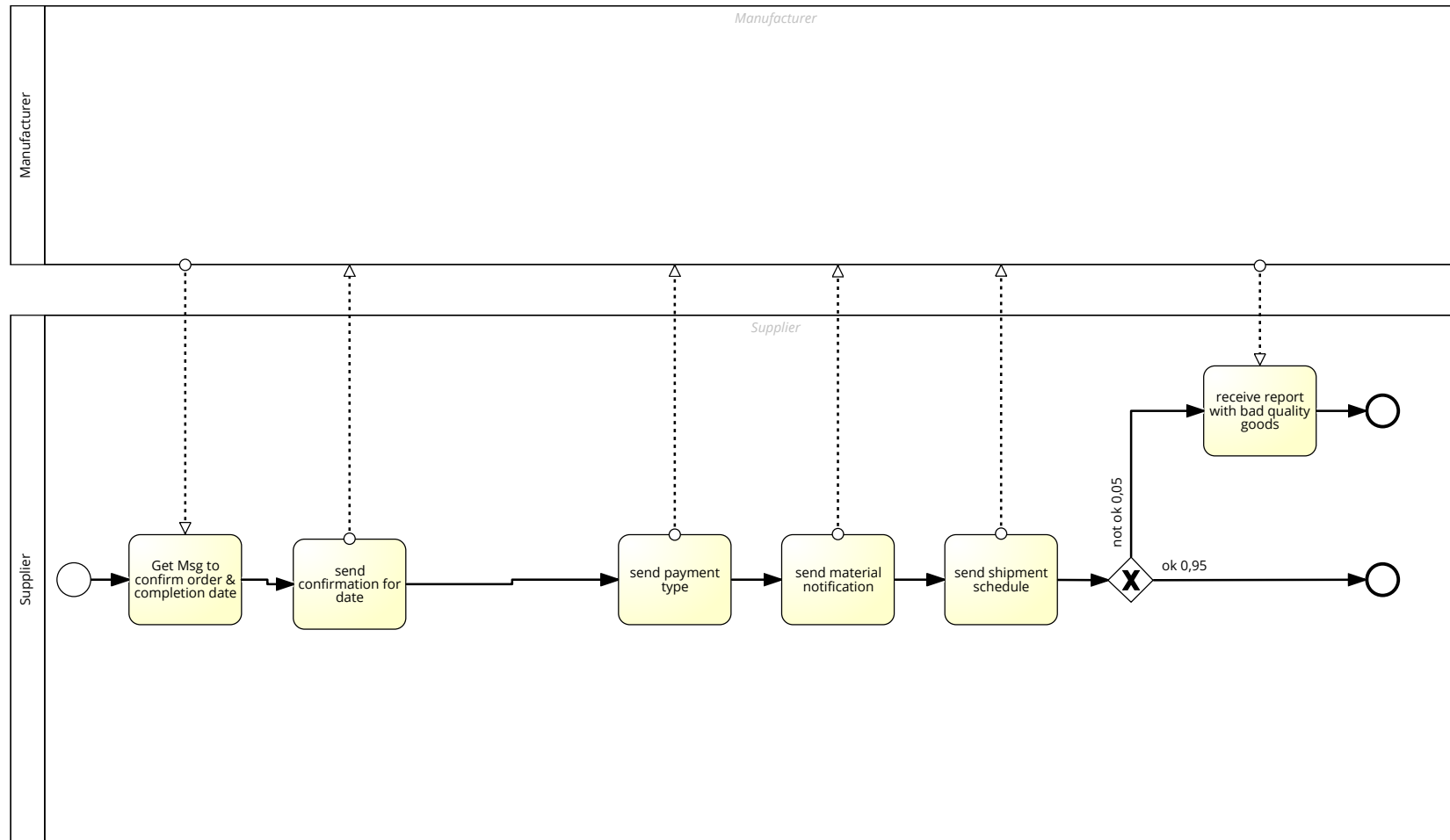


# PrivateProcess Bezahlung

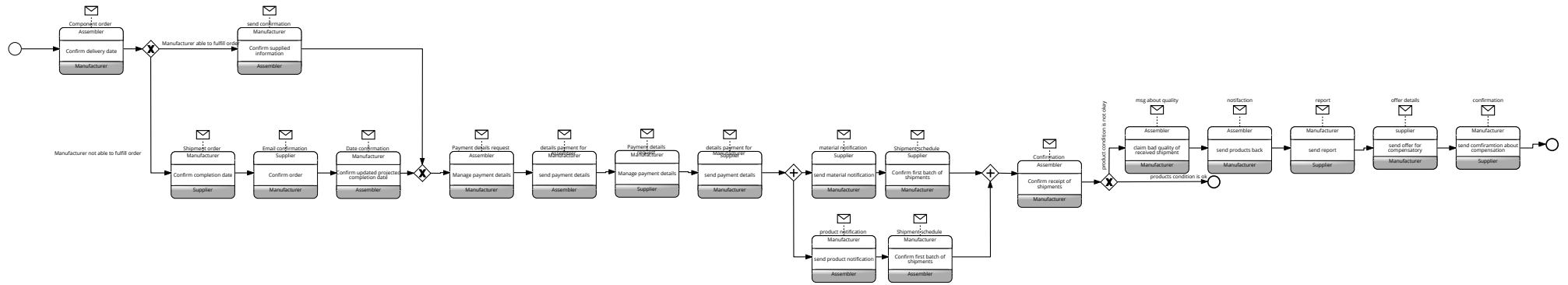




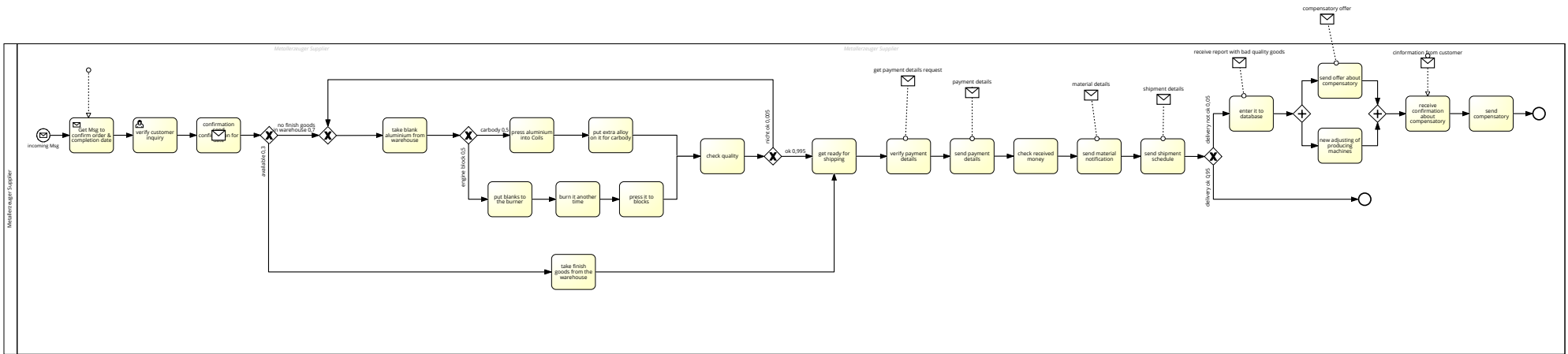
# PublicProcess original Bezahlung



# Choreographien Compensation



# PrivateProcess compensatory



# PublicProcess compensatory

