Purchasing process documentation

The purpose of a purchasing process is to acquire goods efficiently and effectively for bicycle manufacturing from external vendors. This process is critical for ensuring that Bike GmbH obtains the necessary inputs to carry out its operations.

The process has two starting points. The first one being a message event triggered by the order management process. It provides the needed goods for the manufacturing of a bike via message. The other start entry is a manual trigger which makes the purchasing clerk enter their purchase requisition in a form. As soon as the inputs are complete the purchasing manager needs to approve the requisition. If the manager declines the clerk must modify the purchasing requisition and the approval starts again. If the manager approves a decision on a vendor is done via DMN. Based on this the Purchasing Order is done by the clerk. Afterwards the order is sent to the vendor via email. If no response is sent from the vendor, the order is declined, and an error notification is sent to order management. If the vendor confirms the order and the goods are available, the robot needs to store the goods in the storage. When the step is completed a quality control is performed. If the quality is not good enough the goods are taken out of the storage again and a message of purchasing partly completed is sent to order management. Is the quality good, the database is updated, and a payment process is carried out. The process ends with a message to order management purchasing completed.

Notes:

Order management needs to compare demand to storage again and if needed trigger the process again after partly completed.

For each step in sorting in goods and performing quality insurance.