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File : Message Sequence Descriptions

- 1 : Supplier trucks deliver new merchandise to the warehouse.
  - 1.1 : The forwarding robots pick up the pallet of merchandise, scan all barcodes and navigate the entire warehouse.
  - 1.2 : The Inventory Management System receive the barcodes and update the inventory.
  - 1.3 : The Inventory Management System then instructs the robots to deposit the merchandise in the sections of the warehouse corresponding to the inventory storage map.
- 2 : Mail trucks bring returns to the warehouse.
  - 2.1 : Returns have to go through the manual inspection before accepted.
  - 2.2 : The returns are entered the warehouse as refurbished products if accepted, labeled with specific barcodes.
  - 2.3 : A refund grant request is then sent to the main Amazon Financial System.
- 3 : The Amazon ordering system notifies the warehouse when an order come and check the availability.
  - 3.1 : The available product then being add and its location by the Inventory Management System to shipping list that contains the address of the customer.

3.2 : The Inventory Management System removes the items from the inventory.

3.3 : The Inventory Management System provides the list of items to shipping robot.

4 : The shipping robot retrieves the physical items and packages them in suitable box.

4.1 : The Inventory Management System then sends the shipping list to the Amazon Financial System.

4.2 : The Amazon Financial System invoices the customer for all the items that have shipped.