Deliverable 1 PIP Identification

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1. Account Setup and Maintain

- PIP 1A1: Request Account Setup
    - o MedEq outsources manufacturing to two contract manufacturers: FlexMan and SoleMan and employs two shippers: FedUp and UpFed. Thus, MedEq needs to share information, such as locations and contacts, with these four companies.
- PIP 1A2: Maintain Account
    - o If MedEq or one of its business partners (FlexMan, SoleMan, FedUp, and UpFed) need to change their information, they can use this PIP for sending change requests.

2. Order Management

- PIP 3A1: Request Quote
    - o This PIP allows Customer to send their requirements to MedEq.
- PIP 3A2: Request Price and Availability
    - o This PIP allows Customer to request the price and availability of the submitted requirements.
- PIP 3A4: Request Purchase Order
    - o If MedEq and Customer agree on the price and requirements, the Customer can request a purchase order
- PIP 3A5: Query Order Status
    - o Customer can query the status of the fulfillment of the order
- PIP 3A7: Notify of Purchase Order Update
    - o MedEq can notify the customer whether he accepts or rejects the order change
- PIP 3A8: Request Purchase Order Change
    - o Customer can change the order requirements based on the negotiated price of the order
- PIP 3A9: Request Purchase Order Cancellation
    - o If Customer does not agree on the price, he can cancel it.
- PIP 3A10: Notify of Quote Acknowledgement
    - o Customer can notify MedEq that he accepts or rejects the order based on the price

3. Shipment Management

- PIP 3B1: Distribute Transportation Projection
    - o MedEq can request a shipment from FedUp and UpFed

- PIP 3B2: Notify of Advance Shipment
  - This allows FedUp or UpFed to notify MedEq that a shipment has been assigned.
- PIP 3B3: Distribute Shipment Status
  - This PIP enables FedUp or UpFed to report the status of a shipment while it is intransit to custumer.
- PIP 3B4: Query Shipment Status
  - Customer can query shipment status
- PIP 3B5: Request Shipment Change
  - This enables MedEq to change the shipment request
- PIP 3B6: Notify of Shipments Tendered
  - This enables MedEq to send a manifest to customers to confirm that a shipment has been tendered.
- PIP 3B11: Notify of Shipping Order
  - This enables MedEq to notify FedUp or UpFed to ship order
- PIP 3B12: Request Shipping Order
  - This enables MedEq to notify FedUp or UpFed to ship order and FedUp or UpFed to confirm the shipment has been received.
- PIP 3B13: Notify of Shipping Order Confirmation
  - This enables FedUp or UpFed to confirm the shipment has been received.
- PIP 3B14: Request Shipping Order Cancellation
  - This enables MedEq to cancel a shipment order received by FedUp or UpFed
- PIP 3B18: Notify of Shipment Documentation
  - This enables MedEq communicates information that FedUp or UpFed must incorporate in the documentation to accompany a shipment.
- PIP 3B19: Notify of Shipping Order Request
  - This enables the communication from MedEq to FedUp or UpFed for requesting a shipment order
- PIP 3B20: Notify of Shipping Order Confirmation
  - This enables FedUp or UpFed to notify MedEq that the shipment order is received
- PIP 3B21: Notify of Shipping Order Cancellation Request
  - This enables the communication from MedEq to FedUp or UpFed for cancelling a shipment order
- PIP 3B22: Notify of Shipping Order Cancellation Confirmation
  - This enables FedUp or UpFed to notify MedEq that the shipment order cancellation is confirmed

4. Stock Management

- PIP 4B2: Notify of Shipment Receipt
  - This enables a consignee, such as customer and MedEq, to report the status of a received shipment to another interested party, such as MedEq, FedUp, or UpFed.
- PIP 4B3: Notify of Consumption
  - This enables MedEq to communicate the material information with contract manufacturers
- PIP 4D1: Notify of Material Release
  - This enables MedEq to trigger a stock replenishment

5. Manufacturing

- PIP 7B1: Distribute Work in Process
  - This enables the contract manufacturers (FlexMan, SoleMan) to notify MedEq the configuration status of the manufacturing of equipment
- PIP 7B2: Query Work in Process
  - This enables MedEq to query the status of the manufacturing equipments from the contract manufacturers (FlexMan, SoleMan)
- PIP 7B5: Notify Of Manufacturing Work Order
  - This enables MedEq to request an order of equipment from the contract manufacturers (FlexMan, SoleMan)
- PIP 7B6: Notify of Manufacturing Work Order Reply
  - This allows FlexMan and SoleMan to reply for the previous manufacturing order from MedEq
- PIP 7C6: Distribute Product Quality Event Data
  - This enables the contract manufacturers (FlexMan, SoleMan) to share data related to the quality of services provided for improving the manufacturing equipment.

6. Return and Finance

- PIP 3C1: Return Product
  - This PIP enables customer to submit a request to return the equipment if it does not meet the requirements
- PIP 3C2: Request Financing Approval
  - This PIP enables MedEq to request financial approval for the customer
- PIP 3C3: Notify of Invoice
  - This PIP enables MedEq to issue an invoice notification to customer for validating the invoice
- PIP 3C4: Notify of Invoice Reject
  - This PIP enables customer to send a request to reject an invoice
- PIP 3C5: Notify of Billing Statement
  - This PIP enables MedEq to send a bill to customer
- PIP 3C6: Notify of Remittance Advice
  - This PIP enables customer to send a remittance advice notification to MedEq
- PIP 3C7: Notify of Self-Billing Invoice
  - This PIP enables customer to send an invoice notification for MedEq to validate
- PIP 3C8: Notify of Return Product Request
  - This PIP enables customer to request the return of an equipment
- PIP 3C9: Notify of Return Product Confirmation
  - This PIP enables MedEq to confirm the return of the equipment