GTS Contracting System
Context Diagram

Rejected P.O. and invalid letter

Agency

P.O.

0. Contracting System

Equipment items and Invoice

GTS Contracting System
“Level 0” Diagram

Agency

P.O.

1.0 Enter P.O.

Contract PO DB

2.0 Review P.O.

Contract #, P.O.

Valid PO: PO# outstanding flag
Not Valid PO: Letter

Valid PO: PO# outstanding flag
Not Valid PO: Letter

Inventory DB

Item in/out of stock

3.0 Check Inventory.

Warehouse flag

PO closed flag: Shipping bill: Exception report

Inventory taken

Warehouse flag and P.O. item information

4.0 Ship Items

Invoice

P.O. and invalid letter

PO closed flag: Shipping bill: Exception report

5.0 Close P.O.
GTS Contracting System

1.0 Enter P.O.

Functional Description

Enter CONTRACT NUMBER into the Contract/PO datastore

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2.0 Review P.O.

Functional Description

Determine if PO is valid
   1.1. Review terms and conditions
   1.2. Review expiration date
   1.3. Ensure equipment types are listed on the original contract
   1.4. Ensure that total cost of equipment ordered does not exceed predetermined limit.

If PO Valid,

   Enter PO number and outstanding flag in P.O. contract data store

Else send PO back to agency with reject letter
GTS Contracting System

Depending on the complexity of the subprocesses, there would either be lower level DFDs describing the processes further, or structured english functional descriptions written for these other subprocesses in the Level 0 diagram:

3.0 Check inventory

4.0 Ship Items

5.0 Close P.O.

Each one of these are sufficiently simple that they would probably be written as functional descriptions rather than another DFD.