

# Capabilities



## In Progress

Rather than a maturity model framework, we intend to document **capabilities** that systems can have for connections between health and supply chain.

- ☐ Product identification
  - ☐ Has a definition of a [Commodity/Product](#)
  - ☐ Differentiates between [Commodity/Product](#) and [Items](#)
  - ☐ Has a definition of a [Lot/Batch](#)
  - ☐ Defines Lot/Batch in terms of Items
  - ☐ Items may have [GTIN](#)
  - ☐ Items define which Commodity/Product systems they belong to
  - ☐ Items may belong to many Commodity/Product systems
  - ☐ Has a definition for Item serial #
  - ☐ [Orderable Commodities/Products](#) define just enough attributes in addition to the Commodity classification that give them use in two parties carrying out a re-supply request and fulfillment cycle. This allows a store that needs more of a commodity, to order that commodity, and gives the fulfilling store choice in which items will be used to fulfill for that ordered commodity.
- ☐ Product Alignment
  - ☐ Master data follows standard definitions (e.g. GS1 GDD)
  - ☐ Classification of Item into Commodity/Product
  - ☐ Fulfills For and Fulfilled By relationships
- ☐ Inventory
  - ☐ Transactions / movements are part of a ledger (as credits / debits)
  - ☐ Stock events/movements may be recorded
    - ☐ By Location (Facility, Store room, Refrigerator, etc)
    - ☐ By source & destination Location
    - ☐ By Program - you know how many bandages you have accepted by the Malaria program as opposed to how many were accepted by the EPI program
    - ☐ By Commodity
    - ☐ By Item
      - ☐ By Lot
      - ☐ With Serial #
    - ☐ By expiration date (without knowing Lot)
    - ☐ By date the physical event occurred
    - ☐ By date-time of entering record into system
    - ☐ Define Stock Adjustment Reasons for an event occurring (e.g. stock was received, stock was lost due to cold chain failure, etc)
    - ☐ Stock Adjustment Reasons may be grouped into larger semantics (e.g. these 3 debit reasons together define Open Vial Wastage, and these other two define Closed Vial Wastage).
  - ☐ Stock on Hand may be reported:
    - ☐ By Commodity / Product
    - ☐ By Item
      - ☐ By Lot
    - ☐ In aggregate for Commodity with all Items
    - ☐ As of a date
    - ☐ As of a date as reported by the system on a historical date-time
- ☐ Location Alignment
  - ☐ Locations are nest-able (a storeroom within a building of a hospital)

- ☐ Locations may designate an Organization responsible
- ☐ Locations may be a part of one or more administrative areas (supervision structure, supply line, health catchment, geopolitical, etc)
- ☐ Location also identifiable by GS1's GLN (e.g. through OID)
- ☐ Resupply
  - ☐ Order / Purchase Order
  - ☐ Invoice
  - ☐ Shipping notice (e.g. ASN, GS1 Despatch Advice)
  - ☐ Receiving notice (e.g. POD, Receive Advice)
  - ☐ Shipment identifier (e.g. GS1 SSCC)
  - ☐ Transport identifier (e.g. GS1 )