UNICEF Barcoding Project
Overview
Tracking & Tracing of Vaccines via Barcodes

**UNICEF supported Barcoding Initiatives**

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<td>Improve inventory management at country level; enhance track &amp; trace</td>
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<td>SSCC Codes</td>
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Tracking & Tracing of Vaccines via Barcodes

**UNICEF supported Barcoding Initiatives**

**VPPAG Subgroup**
- Improve inventory management at country level; enhance track & trace

**UNICEF Barcoding**
- Automate recording of goods receipt by partners and UNICEF CO's using mobile technology

**VAR**
- Automate process of reporting of conditions of vaccines at arrival using mobile technology

**Key Barcode Data Elements**
- **GS1 Standard**: Global Trade Item Number (GTIN), Serial #, Lot #, Exp. Date
- **Phase 1 Pilot**: UNICEF PO #, Item #, Material #, Quantity, Lot #, Mfg Date, Exp Date.
- **Being Explored**: SSCC Codes
- **GS1 Standard**: Lot #, Expiry Date

**Labelling Levels**
- Tertiary Package / Pallet
- Secondary Package / Case
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Decision to embrace a new technology is ever challenged by the financial, technological, cultural barriers

UNICEF challenges of using bar code standards:

- Material master: standardization requires potential fundamental changes in UNICEF SAP/VISION material master and its management
- IPSAS Compliance: Update of inventory for IPSAS compliance requires PO, item number and material number as mandatory attributes for goods receipt
- UNICEF kits or assorted items: Kits contain materials from different POs and vary in box configurations, quantities or item colors by vendor
Way Forward

• UNICEF SD continues support to the different initiatives, documenting lessons learnt along with proposed changes and impact if any to processes and partner agreements, before recommending integration

• UNICEF will pilot the SSCC for recording of goods receipt for vaccines using the mobile application

• Scope of GS1 Global Standards in Humanitarian Delivery currently coordinated by UNHCR is being defined and analysed (similar to UNICEF) is undertaken by all the other Humanitarian agencies
  – To likely result in a road map established for a global humanitarian wide adoption of GS1 barcode standards.

• At a suitable time going forward, all these efforts be consolidated to inform a viable global standardization mechanism.