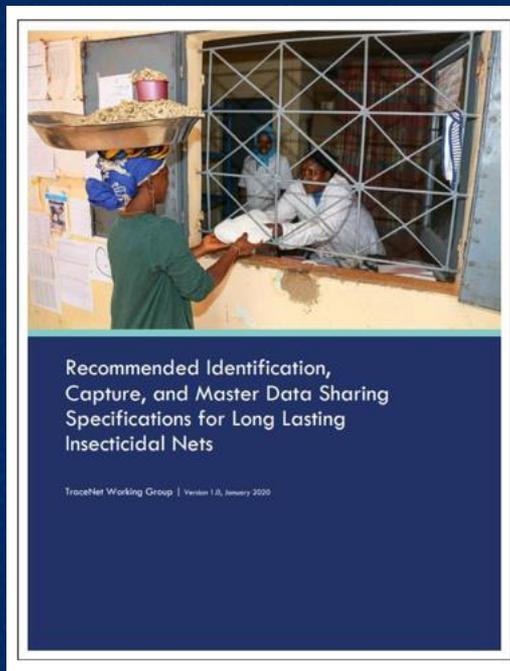


TraceNet: Enabling Digitalization



AMP 2024

U.S. PRESIDENT'S
MALARIA INITIATIVE

LED BY



USAID
FROM THE AMERICAN PEOPLE



Background - 2018

PMI and GFATM co-convoked ITN manufacturers, procurement agents, and implementing partners, including representatives from select donor-funded country programs

Why TraceNet?

Global Data Strategy & Governance

standard identification, labeling, and master data synchronization for health commodities

Health Systems Strengthening

support country governments in developing strategies for global standards and traceability implementations

Strategic Engagement

build consensus and align requirements between donors and their procurement agents

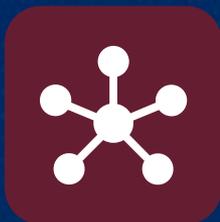
TraceNet Specifications



IDENTIFY



CAPTURE



SHARE

[Brand Name] Long Lasting Insecticide Nets

Manufactured by:

Factory XYZ
Address
Address

Manufactured for:

National Malaria Control Program
Address
Address

SSCC

006141411234567890

GTIN

10857674002017

Batch Number

NYFUL01

Production Date

201231

GLN From

0858939248292

GLN To

0858939007009

Count

50

Sequence

3 of 250



(02)10857674002017(37)50(11)201231(10)NYFUL01



(00)006141411234567890

TraceNet Specifications



IDENTIFY

Manufacturers provide GS1-based identifiers (GTINs and GLNs) that describe key attributes of ITNs



TraceNet Specifications



CAPTURE

Manufacturers convey the product attributes using standard data carriers ○



BALE:
GS1-128 with:
(00) SSCC
(02) GTIN of Items
(37) Count of Items
(10) Batch/Lot Number
(11) Production Date



BAG:
GS1 DataMatrix with:
(01) GTIN
(10) Batch/Lot Number
(11) Production Date



LLIN:
GS1 DataMatrix with:
(01) GTIN
(10) Batch/Lot Number
(11) Production Date
(21) Serial Number



TraceNet Specifications



SHARE



- **GENERAL DESCRIPTIVE INFORMATION:** NAME, DESCRIPTION, COUNTRY OF ORIGIN
- **DIMENSIONS**
- **LOCATION:** BRAND OWNER, MANUFACTURER
- **MATERIAL INFO:** YARN TYPE
- **STORAGE & HANDLING INFORMATION**
- **UNIQUE BALE NUMBERS**
- **UNIQUE INDIVIDUAL ITN NUMBERS**



Outcomes as of Today

Recommendations for ITNs identification, labeling, and data exchange

TraceNet recommendations incorporated into PMI & GFATM contracts

TraceNet outputs leveraged to verify, track, and trace ITNs

Feedback on data carrier quality is becoming available

Use Case Themes

EFFICIENCY



“Automate data capture”

ACCURACY



“Record reconciliation”

DATA EXCHANGE



“Share data with other systems”

USE & MONITORING



“Plan for repurpose & end life”

INVENTORY MANAGEMENT



“Shelf-life management”

LEAKAGE



“Loss of goods”

Efficiency and Accuracy in ITN Programming

What LOE is currently required to answer any of the following:

Is an ITN authentic?

Where are ITNs supposed to be?

Where have ITNs been?

Reaping the benefit from TraceNet

The labels, and the data behind them are powerful, but passive, unless used and used effectively

Verify

Whether the data conveyed on the label has been captured or shared at the country level or not there will be a record, somewhere, linking that unique ITN, if it is authentic, to a particular shipment

The more this data has been captured and shared, and the proximity to when these events occurred, will determine the relative LOE required to verify

Track and Trace

If the data conveyed on the label has never been captured or shared at the country level:

- It requires more effort to determine where it should be (Track)
- It requires more effort to determine where it came from (Trace)

Opportunity

There are opportunities to capture and share information when ITNs change hands from the point of manufacturer through to the point where they are transferred to households

Considerations

Leveraging the enabler is not simply a matter of inserting scanning into existing processes

Will there be an overall lower level of effort to have greater accuracy and accountability?

What changes to material handling practices would be required to leverage the TraceNet-derived data

Next Steps

Next Steps & Actions

Provide all feedback on TraceNet Guideline
Deadline: 11-January



Working Discussion 1
18-January-2024
Working Discussion 2
25-January-2024



Action: Participate in Working Discussions

Draft Document Review
February 2024



Action: Review Changes

Finalize Document
March 2024



Action: Endorse Revised Guidelines

Thank You