STEP 2.0 Zipline Workshop

Technical timeout sessions with links to readings

All participants, coaches and facilitators are requested to read the technical timeouts (TT) at least 1 day prior to the due workshop day.

The STEP 2.0 Workshop includes "Technical Timeouts." These are short sessions that explore a technical application of multimodal supply chains. Each day, you will be assigned a pre-read exercise that provides background on the topic that will be discussed the following day.

Day 1 Technical Material To be Read:

Session 3, Module 2 Technical Timeout: What is in Multimodal Supply Chain (MMSC) SOPs?

- Watch the video *What is an SOP?* pay close attention to the key benefits of an SOP.
- Read the article *What Are the Advantages of Using Standard Operating Procedures?*, paying close attention to the tips that stood out for you, if it is currently part of your existing SOP/ or not, and if it will be beneficial to incorporate going forward.
- Read the Case Scenario of a partnership with an SLA: *Public–Private Partnership for Essential Medicines Delivery and Cash Collection*, make a note of key facts, objectives, and challenges.

Session 4, Module 2 TT: Putting MMSC SOPs into Practice: Decision-Making in Real-Time Between Zipline and State Teams

- Watch the videos *How to Write an SOP*, and *How To Write Standard Operating Procedures*
- Read the Supportive Supervision SOPs in Bayelsa and Cross River

Day 2 Technical Material To be Read:

Session 7, Module 1. TT: Managing a MMSC – What data is used, where is the data found and what does it mean?

- Watch the video *How to Use Data to be a Better Manager*
- Read the Pre-Read Document - Managing a Multimodal Supply Chain (MMSC)_ What Data is Used, Where is the Data Found and What Does it Mean

Day 3 Technical Material To be Read:

Session 10, Module 3. TT: Managing a MMSC – Cost implications for mode selection

Read the article *The Essential Guide to Implementing Drone Delivery in Healthcare*, and the STEP Training on Supply Chain Optimization, paying close attention to the tips it provides for logistics cost savings and related benefits and/or challenges. Consider which of the tips provided in the article you will try to incorporate into your transportation mode selection SOPs.

Session 12, Module 3. TT: MMSC Case study – Use in emergencies

- Watch the video *Drones Deliver Covid-19 Vaccines in Africa*, pay close attention to **some of merits** that the drone delivery provides to Ghana during the outbreak.

- Read the article *Last Mile Delivery in Disaster Relief Operations* paying close attention to the tips it provides for **challenges encountered** during emergency responsiveness and **solutions proffered**. Consider which of the **tips** provided in the article you will try to incorporate into the **plan and think about why it's important to you.**
- Read the Case Study: Strengthening Emergency Response with Multimodal Logistics

Day 4 Technical Material To be Read:

Session 14, Module 1. TT: MMSC Case study – Zipline data for forecasting

- Read the Case Study on Data Harmonization
- Read the Case Study – Real-Time Data for Medical Product Forecasting and Distribution

Session 15, Module 1. TT: MMSC Case study – PPP-Led Drug Revolving Fund

- *Commodity Security: The Role of Drug Revolving Fund Scheme in Low- and Middle-Income Countries*
- *Rwanda Social Security Program*
- *Understanding the Key Maker principle in rural public utilities*

Day 5 Technical Material To be Read:

Session 18, Module 2. TT: MMSC Case study – Reducing vaccine wastage

- Read Pages 2-3 and 24-26 of the article Monitoring Vaccine Wastage at Country Level: Guidelines for Programme Managers, paying close attention to the wastage types and influencing factors (logistics, practice).
- Read how Zipline's prior work supports the small-lot, high-frequency (SLHF) demand model to cut vaccine wastage: Replicable Impact of On-Demand Supply for Improved Vaccination Outcomes for tips on using on-demand supply to reduce wastage; consider which of these you could apply.