

## DRONE INTEGRATION DECISION MAKING TEMPLATE



Name: \_\_\_\_\_

Date: \_\_\_\_\_

Organization & Title: \_\_\_\_\_

Country: \_\_\_\_\_

Date you plan to address with your teams in-country: \_\_\_\_\_

**Introduction:** As we, all think about integrating drones into the existing health sector and supply chain, we will encounter many decision points. This template just helps you think through a few of the main decision points you may encounter. Over the course of the Logistics Session and the African Drone Forum panels, we will touch on many of solution elements, so it is good to start thinking, with other stakeholders in your respective countries, about the decisions that need to be made, who will make those decisions, and how do we move towards a sustainable integrated supply chain system.

Solution Elements	What decisions will government and stakeholders need to make?	Answers	Who are the key decision makers?
<b>Solution</b>	<ul style="list-style-type: none"> <li>• How do you know what form of transport is best for a given situation? What are the best use cases? What factors influence it?</li> <li>• When are drones best suited to help and when do other modes of transportation make sense?</li> <li>• What are the bare minimum requirements for drones to be useful in your context (distance, speed, payload, etc.)?</li> <li>• How does the current system work and what would it take to get drones integrated?</li> </ul>		
<b>Resources</b>	<ul style="list-style-type: none"> <li>• What positions and roles are needed that do not exist in country for an integrated system to work (operational, management, regulatory)?                             <ul style="list-style-type: none"> <li>○ How do those get added?</li> </ul> </li> <li>• What are the existing human resources (nurses, pharmacy personnel, etc.) that might be used for receiving and sending health commodities and how would this affect their existing jobs?</li> <li>• What infrastructure is needed in country to support an integrated system? How would that be added?</li> </ul>		

This document was developed by [VillageReach](#) in collaboration with [FHI 360](#), [InSupply Health](#) and [PATH](#) for the African Drone Forum 2020 Logistics Track. If you have questions or would like assistance on implementing drones operations in your country, contact the [UAV for Payload Delivery Working Group](#) at [info@UPDWG.org](mailto:info@UPDWG.org)

<b>Financial Management</b>	<ul style="list-style-type: none"> <li>• How much would different use cases cost for ongoing implementation? What would be the cost drivers? In what use cases do the benefits potentially outweigh the costs?</li> <li>• What possible public-private partnerships could exist in country to help create a sustainable financing system?</li> <li>• If this partially funded through government, what would it take to get the funding disbursement and financial management in place?</li> </ul>		
<b>Government Strategy</b>	<ul style="list-style-type: none"> <li>• What existing government strategies and priorities would the integration of drones into the health system support?</li> <li>• Do they help solve the problems that are important to the country?</li> <li>•</li> </ul>		
<b>Policy &amp; Regulation</b>	<ul style="list-style-type: none"> <li>• Do the necessary regulatory policies exist in country? If not, what does the country need to do to get there?</li> <li>• Are the people and resources in place to enforce those?</li> </ul>		
<b>Organization</b>	<ul style="list-style-type: none"> <li>• Who would be in charge of the overall management of an integrated system? Where would it sit in the government ministries and ministry departments, since drones can help with crosscutting medical commodities? <ul style="list-style-type: none"> <li>○ Is there a cross-sectoral coordinating body to advocate for and develop regulations?</li> <li>○ Are there any potential champions of a drone delivery system among high-level government members or a central focal point for the respective ministries?</li> </ul> </li> </ul>		

# Integrated Solution Elements



Source: Intrahealth International

## Solution Design

A proven solution including the standard operating procedures, guidelines, tools, templates, job and skill descriptions, needed to manage and operate the solution

## Resource Availability

Financial, human resources and infrastructure such as buildings and equipment needed to transition, operate and maintain a solution

## Financial Management

The government capacity to develop and manage budgets, and estimate and manage costs; capacity to disperse funds in a timely fashion

## Government Strategy

Health sector and related strategies that support solution transition, operation and maintenance

## Policy & Regulation

Laws and regulations that support solution transition, operation and maintenance

## Organization

Managerial roles and responsibilities and management effectiveness; governance including ensuring partner alignment with the approved strategy and solution