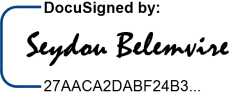


## TERMS OF REFERENCE FOR INTERNATIONAL CONSULTANCY

<b>International consultancy for the analysis of models for integration of drones in the health supply chain</b>	
Hiring Office:	UNFPA Benin
Purpose of consultancy:	<p>The COVID-19 pandemic is challenging public health systems, triggering unprecedented action by governments around the world, including the massive use of new technologies in the healthcare system. The impact of COVID-19 in hard-to-reach settings with insufficiently funded health systems is likely to be substantial. In addition, if health systems redirect resources to sexual and reproductive health services, women's access to family planning, prenatal care, childbirth, postnatal care and other critical services could suffer from it.</p> <p>Safe pregnancies and deliveries depend on a functioning health systems and strong patient adherence to infection prevention and control measures; but also the availability of Family Planning and emergency obstetric care products, including blood. It is therefore of the utmost importance to use the right means, including technology, to ensure that health facilities continue to operate and that women have uninterrupted access to essential maternal health services, especially obstetric and newborn care emergency (EmonC) to avoid excess maternal and neonatal morbidity and mortality.</p> <p>To innovate and reach the last mile in ensuring the continuity of maternal, newborn and child health services; a prototyping of a solution for the use of remotely piloted aircraft (drones) for the transport and delivery of Family Planning and EmonC products, including blood, was carried out. This made it possible to prove the feasibility of the concept and its integration into the Benin health system.</p> <p>However, the choice and adoption of the model for integrating drones in support of the supply chain of health products in Benin to reach the last mile remains a question. These terms of reference are drawn up to allow the recruitment of a consultant responsible for carrying out, on the basis of the prototype produced, an in-depth analysis of existing models in Africa and beyond; and to propose suitable models for Benin.</p>
Scope of work:  <i>(Description of services, activities, or outputs)</i>	<p>In view of the nature of the assignment, the consultant will be expected to provide a synthesis of the document developed that can be used for similar undertakings, knowledge sharing and capacity building that the Sèmè City Development Agency and UNFPA will carry forward in other target countries in the future</p> <p>Specifically, the consultant is mainly expected to focus on:</p> <ul style="list-style-type: none"> <li>• The consultant will carry out a documentary review of the prototype of the use of drones in transporting health products carried out, in its various phases and will meet with the key players involved to gain insight and collect the necessary information.</li> </ul>

	<ul style="list-style-type: none"> <li>• The consultant will make a significant sampling of already existing systems in other countries such as Rwanda, Ghana, Botswana and will do an analysis (financial, regulatory, socio-cultural) in order to propose adoptable systems in the context of Benin.</li> <li>• The consultant, on the basis of the initial review and analysis, will propose at least two business models for the use of drones in Benin in support of the supply chain in the health sector</li> <li>• The consultant will participate in the Design Thinking workshop on the choice of the model for integrating drones into the supply chain of health products in Benin. For him / her it will be a question of presenting the main axes of his / her analysis and of guiding in the choice of model while taking into account the cost-benefit factors, of internal regulation of the use of drones and the social impact. -cultural.</li> <li>• The consultant will write a final report, with integration of the final business model for Benin including advantages and disadvantages and highlighting institutional and regulatory aspects, partnerships and financial costs, as well as a roadmap for its implementation.</li> </ul>
Duration and working schedule:	21 working days in the period of the third quarter of 2021
Place where services are to be delivered:	Home based plus possible travel to Cotonou (Benin)
Delivery dates and how work will be delivered (e.g. electronic, hard copy etc.):	<ul style="list-style-type: none"> <li>• A work methodology, including a work schedule,</li> <li>• A detailed report firstly highlighting the analysis of initiatives in Rwanda, Ghana, Botswana including institutional / regulatory, socio-cultural and financial aspects; and secondly, line up a proposal of at least two business models for Benin taking into account the same type of analysis (institutional / regulatory, socio-cultural and financial)</li> <li>• The report of the work of the workshop,</li> <li>• The final report, with integration of the final business model for Benin including advantages and disadvantages and highlighting the institutional and regulatory aspects, partnerships and financial costs, as well as a roadmap for its implementation.</li> </ul>
Monitoring and progress control, including reporting requirements, periodicity format and deadline:	<ul style="list-style-type: none"> <li>• A submission and validation of a methodology of work, including a work schedule, <b>(2 working days)</b>,</li> <li>• A detailed report firstly highlighting the analysis of initiatives in Rwanda, Ghana, Botswana including institutional / regulatory, socio-cultural and financial aspects; and secondly, line up a proposal of at least two business models for Benin taking into account the same type of analysis (institutional / regulatory, socio-cultural and financial) <b>(10 working days)</b></li> <li>• The report of the work of the workshop <b>(3 working days)</b>,</li> <li>• The draft of final report, with integration of the final business model for Benin including advantages and disadvantages and highlighting the institutional and regulatory aspects, partnerships and financial costs, as well as a roadmap for its implementation <b>(6 working days)</b>.</li> </ul>

	The final report will be validated in a meeting (virtual) by UNFPA and the Sèmè City Development Agency after incorporating any amendments from the sponsors and will be in <i>Word, Time New Roman or Calibri , font size 12</i>
Supervisory arrangements:	The Consultant will work under the general supervision of the Head of Innovation and Technology at UNFPA and under the supervision of the Program Officers at UNFPA and Sèmè City Development Agency.
Expected travel:	Possible
Required expertise, qualifications and competencies, including language requirements:	<p>The Consultant must have the following skills and qualifications:</p> <ul style="list-style-type: none"> <li>• Higher university education (minimum Bac + 5 in transport / logistics, pharmacy, economics, management and business administration, public health or equivalent);</li> <li>• At least 4 years of professional experience in the field of management and business administration;</li> <li>• Excellent communication, synthesis and drafting skills in English and French (ability to draft and present quality documents);</li> <li>• Skills in innovation and / or supply chain technology, particularly in the use of drones in healthcare would be an asset;</li> <li>• Having carried out similar missions (ecosystem analysis, business model analysis) over the past 5 years would be an asset;</li> </ul>
Inputs / services to be provided by UNFPA or implementing partner (e.g support services, office space, equipment), if applicable:	UNFPA will provide the consultant with the necessary logistics to carry out his work.
Other relevant information or special conditions, if any:	None
<p>Signature of Requesting Officer in Hiring Office:  27AACA2DABF24B3...</p> <p>Date : 23-Jun-2021</p>	