Agreement for Performance of Work

Terms of Reference

This Agreement for Performance of Work (APW) is requested by:

<table>
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<tr>
<th>Initiator:</th>
<th>Ingrid Smith</th>
<th>Reg.#:</th>
<th>2020/1010482</th>
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<tbody>
<tr>
<td>Unit:</td>
<td>Antimicrobial Stewardship and Awareness (ASA)</td>
<td>Cluster / Dpt.:</td>
<td>Global Coordination and Partnership (GCP)</td>
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1. Purpose of the APW

To support the Antimicrobial Stewardship and Awareness (ASA) Unit in the Global Coordination and Partnership on Antimicrobial Resistance (GCP) department in the development of an interactive online adult learning course on antimicrobial stewardship (AMS) in resource limited settings. It will be based on existing training materials developed by the unit to support the implementation of an Integrated AMS policy in human health for national AMS programmes and the WHO practical toolkit for AMS programmes in low-and middle-income countries (LMICs). The key audience for the online learning course is health-care workers in LMICs. The aim of the course is to build country capacity on AMS and facilitate the implementation of effective AMS programmes in LMICs with limited resources.

2. Background

Antimicrobial resistance is a global public health threat, acknowledged through the endorsement of the Global Action Plan on AMR2 by the World Health Assembly (resolution WHA68.7) in May 2015, and the Political Declaration of the high-level meeting of the General Assembly on AMR3 in September 2017. Overuse and misuse of antimicrobials including antibiotics is recognized as a main driver for development of resistance. To slow down further development of resistance, there is a need to optimize the use of currently available antimicrobial agents. AMS promotes optimized use of antimicrobials. AMS was initially applied in hospital settings, but is now also being promoted in primary health-care settings, in animal health, and in food and agriculture sectors. AMS is defined as actions to promote the responsible use of antibiotics4, and an AMS programme is the coordinated implementation of evidence-based interventions to promote the responsible use of antibiotics5.

Globally, many countries have developed and are implementing National Action Plans on AMR, in which AMS is often a key priority. To meet the increasing need for practical guidance on how to establish and implement effective AMS programmes especially in LMICs, a WHO Practical toolkit for AMS programmes in health-care facilities in LMICs6 was published in 2019. In addition an Integrated AMS policy in human health is being developed to ensure a comprehensive approach to AMS for national health authorities.

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5 Dellit TH et al. IDSA/ SHEA Guidelines for developing an institutional program to enhance antimicrobial stewardship. Clin Infect Dis 2007
6 https://apps.who.int/iris/bitstream/handle/10665/329404/9789241515481-eng.pdf
To support the roll out of the WHO AMS toolkit in LMICs, the Integrated AMS Policy and to build capacity on how to plan, perform and assess national and health-care facility AMS programmes, draft training materials have been developed. The purpose of this APW is to develop an interactive online adult learning course on AMS based on the draft WHO AMS training materials (power-point slide deck and trainer guidance notes) to support the implementation of the WHO AMS toolkit and the Integrated AMS Policy.

3. **Planned timelines** (subject to confirmation)
   Start date: 15/05/2020  
   End date: 31/07/2020

4. **Requirements - Work to be performed**
   The contractual partner will work closely with the ASA Unit on the following:

   **Objective 1:** Develop a draft concept for an adult e-learning course including an outline of the learning modules, different learning modalities and the design (look and feel) for input by the ASA unit.

   Output 1.1. To develop an outline for the e-learning course based on the draft training materials incorporating the Integrated AMS Policy and the six components of the WHO AMS toolkit and the existing draft training materials that include the following:
   1. Introduction to AMR and the Global Action Plan
   2. Introduction to the Integrated AMS Policy and the key concepts of AMS
      a. Structures for national AMS programmes
   3. Planning a health-care facility AMS programme:
      a. Structures for health-care facility AMS programmes
      b. Planning a health-care facility AMS programmes
   4. Performing AMS interventions in health-care facilities
   5. Assessing AMS programmes
   6. Importance of education and training

   Output 1.2. Develop a proposal for the different learning modalities that can be used per training module.

   Output 1.3. Develop a proposal for the design (look and feel) for the e-learning course on the WHO AMS toolkit.

   **Objective 2:** Develop a full draft of the modules of the e-learning course on implementing the WHO AMS toolkit for input of the ASA unit.

   Output 2.1: To develop a full-fledged draft e-learning course on AMS with 6-8 modules based on the outline.

   Output 2.2: Based on the input from ASA unit, to develop an updated draft e-learning course ready for piloting through WHO headquarters and regional offices.

   **Objective 3:** To finalize the interactive adult online e-learning and transfer the course to the WHO online platforms.

   Output 3.1. To finalize the AMS online e-learning course based on the input from ASA unit and feedback from the piloting of the draft course.
Output 3.2. To support the ASA unit and WHO headquarters in transferring the AMS e-learning course to the WHO website, WHO Academy and/or OpenWHO (https://openwho.org/).

5. **Requirements – Planning** (to be finalized based on the proposals)

Deliverable 1. Full outline of the AMS online e-learning course including proposed learning modalities per module and the overall design.

Deliverable 2. Full-fledged draft e-learning course on AMS with 6-8 modules based on the outline.

Deliverable 3. Finalized AMS online e-learning course transferred to the WHO website, WHO academy and/or OpenWHO.

6. **Inputs**

Design and development of e-learning modules, different learning modalities, animation, voice recording, computer programming etc.

7. **Activity Coordination & Reporting**

<table>
<thead>
<tr>
<th>Technical Officer:</th>
<th>Ingrid Smith, Technical officer, GCP/ASA</th>
<th>Email: <a href="mailto:ismith@who.int">ismith@who.int</a></th>
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<td></td>
<td>Sarah Paulin, Technical Officer, GCP/IRC</td>
<td><a href="mailto:paulins@who.int">paulins@who.int</a></td>
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For the purpose of: Technical supervision and instructions - Reporting

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<tr>
<th>Administrative Officer:</th>
<th>Aimee Louise Ramos, GCP</th>
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For the purpose of: Contractual and financial management of the contract

8. **Characteristics of the Provider**

**Experience required**

- Extensive experience in the development and delivery of medical and/or public health e-learning courses.
- Experience in antimicrobial stewardship and/or rational use of medicines in low-and middle-income countries.
- Experience in the development and delivery of e-learning courses in low-and middle-income countries.

**Language requirement**

- English – proficient (reading, writing, speaking)

9. **Place of assignment**

Not specified. No travel needed.

10. **Proposals**

No later than 24 April 2020 (17:00 CET), the bidder shall complete and submit by email to WHO (only when this step is completed the bidder is regarded as a prospective bidder):

- Technical proposal
- Financial proposal including number of days and daily rate
- CVs

Email submissions of proposals to whoams@who.int
(use subject: Bid Ref AMR/GCP/2020/5)