**TERMS OF REFERENCE**

**international Consultant for THE INTERGRATED disease surveilance programme**

**DHIS2 e-idsr TRACKER SYSTEM DEVELOPMENT**

**(OPEN TO NON-NAMIBIAN NATIONALS ONLY)**

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| 1. **BACKGROUND** |
| Namibia has recently adopted the third edition of the Integrated Disease Surveillance and Response (IDSR) Technical Guidelines, marking a significant step toward strengthening the country’s public health system. This strategic move aims to enhance the nation’s capacity—across all levels of the health system—to prevent, detect, and respond to disease outbreaks and other public health threats, in alignment with the International Health Regulations (IHR 2005).  A key feature of the updated guidelines is the emphasis on real-time reporting of priority diseases and public health events through digital platforms. In response, the Ministry of Health and Social Services (MoHSS), with support from development partners, is advancing the implementation of an electronic IDSR (eIDSR) system. Initially targeting the public health sector, the system holds potential for future expansion into the private sector.  Currently, Namibia’s reliance on paper-based and non-interoperable systems poses significant barriers to timely data access and early outbreak detection. This reality underscores the urgent need for digital transformation in disease surveillance.  In 2024, the MoHSS conducted a comprehensive feasibility assessment to evaluate the scope and practicality of deploying a national eIDSR system. The findings confirmed that implementation is not only feasible but also achievable through a systematic, phased approach—paving the way for a more responsive and resilient health surveillance infrastructure. |
| 1. **OBJECTIVES AND PURPOSE OF THE CONSULTANCY** |
| The main objective of the consultancy is todevelop a DHIS2 eIDSR tracker system in Namibia, which enables case based reporting and weekly reporting of diseases of public health concern.  Scope of work  The individual consultant will work to carry out the following tasks:   * Review the eIDSR feasibility assessment report, familiarise themselves with findings and implement recommendations as follows:   + Review the existing eIDSR prototype, develop and configure it to conform to current-up-to-date DHIS2 versions and standards.   + Configure DHIS2 environment (server and database) to ensure reliable server and database functionality   + Develop and configure android tracker app to enable offline data capture functionality   + Develop all Case Investigation Forms (CIF) and ensure inclusion of daily and weekly reported diseases according to the IDSR programme requirements   + Develop technical document and data dictionary for the eIDSR tracker   + Develop end-user manual for the eIDSR tracker   + Capacitate technical staff on the development and customization of the eIDSR tracker and ensure full participation of technical staff in each development process   + Develop dashboards as per requirements of the programme   + Develop custom Linelists as per the requirements of the programme   + Coordinate and support end-user trainings during pilot and roll-out phase   + Support the pilot and rollout to specified facilities   + Provide Bi-weekly reports to MoHSS and WHO eIDSR focal points on progress made   Other tasks for consultant   * The consultant shall report and update their direct supervisor, bi-weekly (to track progress made and address challenges encountered during the phase). * At the beginning of the above consultation, all parties (the Consultant, WHO, MoHSS) must have common understanding of project deliverables * Failure to deliver the specified objectives of the project, is considered unsuccessful |
| 1. **Deliverables** |
| **MoHSS expects the consultant to complete and submit the following deliverables by 31 December 2025**   * Online Tracker development *(20% remuneration)*   + Review the existing eIDSR tracker prototype, develop and configure it to conform to current-up-to-date DHIS2 versions and standards, and configure a functional infrastructural environment   + Develop all Case Investigation Forms (CIF) and ensure inclusion of daily and weekly reported diseases according to the IDSR programme requirements * Configure offline app, develop and finalize all documentation (*Technical Document, Data Dictionary, end user manual*), linelists and dashboards - *15% remuneration* * Capacity building and rollout (*40% remuneration*)   + Capacity building of technical staff and end users, and provide detailed reports of all capacity building sessions   + Support piloting and rollout (provide documentation of findings from pilot, implement necessary enhancements from pilot and support rollout) |
| 1. **DURATION OF THE ASSIGNMENT** |
| The duration of the assignment is 5 months, (01 August - 31 December 2025)   * In-country fulltime throughout: 01 August – 31 December 2025) |
| 1. **Qualifications, experience, skills and languages** |
| *Identify the educational qualifications and expertise needed for the terms of reference outlined above.*  ***Educational Qualifications***   * Bachelor of science in informatics/ health information systems, data science, computer science, computational epidemiology, public health informatics.   ***Desirable***   * Advanced university degree (Masters or higher qualification) in informatics/health information systems or other related fields.   ***Experience***   * At least five (5) years' experience in data management or other related fields, and/or knowledge of local public health practices, with a minimum of 3 years inclusive at the international level in low and/or middle-income countries.   ***Desirable***   * A minimum of five (5) years of relevant professional experience in the development, integration, and delivery of scalable multi-country technology solutions related to national and international-level public health surveillance and/or intelligence efforts. At least 2 years must be recent and in an international context.   ***Skills/Knowledge***   * Experience contributing to the technical enhancement of surveillance, including engaging with public health stakeholders at the national, regional, or international levels. * Experience coordinating and managing the development of strategies, processes, and innovative technology solutions for public health across disciplines and sectors. * Demonstrated experience with technology solutions for strengthening public health surveillance and/or intelligence at the subnational through global levels. * Strong Knowledge of the DHIS2 tracker and e-IDSR platform and development of modules in the system * Strong knowledge of the IDSR public health management processes * Demonstrated experience with DHIS2 solutions and approaches. * Knowledge of the work of MoHSS, WHO, and/or UN would be an asset * Proven ability to use standard office software packages, conversant with common IT software including DHIS2 and Epi-info. * Strong knowledge of DHIS2 infrastructure environment   ***Languages and level required***   * Demonstrate expert oral and written communication skills, including presentations in English |
| 1. **Technical Supervision** |
| *Indicate the name and title of the supervisor with email address.*   * *Ms. Maria Shikongo, Strategic Health Information Officer, WHO Namibia.* |
| 1. **Location** |
| *Please specify where the consultant will work: Works in Namibia during the full duration of the consultancy period*  *On site:* ***WCO Namibia******and Ministry of Health and Social Services during*** In-country: ***01 August to 31 December 2025***  *Off site: N/A*  *On site for insurance purposes:* ***WCO & MoHSS Namibia*** *(please indicate location/address). (This is where a duty travel is planned during the course of the consultancy, but the consultant is being hired to work from home)* |
| 1. **Travel -** *If travel is involved, full medical clearance is required* |
| *Please specify any expected travel(s): dates, location and purpose.*   * *Travel to Windhoek, Namibia upon inception of the contract, from 01 August to 31 December 2025*   *A living expense is payable to on-site consultants* |
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