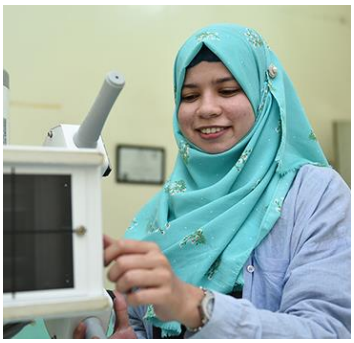

Technical Report | March 2020

Learning & Development Information Management System -Training Database:

Learning Management System Data Transfer Document

USAID's HRH2030/Philippines: Human Resources for Health in 2030 in the Philippines

Cooperative Agreement No. AID-OAA-A-15-00046

Cover photo: Mollent Okech, WISN Consultant (third from left), conducting training with the Department of Health. (Credit: USAIDHRH2030/Philippines)

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DISCLAIMER

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Contents

Acronyms ..... **i**
Executive Summary **2**
Introduction **2**
Data Import Procedure **2**
Data Exchange Format **3**

Acronyms

KMITS	Knowledge Management and Information Technology Service
LDIMS	Learning and Development Information Management System
LMS	Learning Management System
NHFR	National Health Facility Registry
PRC	Professional Regulatory Commission

Executive Summary

The Learning Management System (LMS) Data Exchange Document provides the rationale for developing an interface between e-Learning LMS and LDIMS. All activities that were conducted by USAID's HRH2030/Philippines activity in preparation for the data transfer are also documented to ensure a successful transfer of e-Learning data to LDIMS at the Department of Health. Procedures for the e-Learning LMS data download, the LDIMS data upload, and the file format are also included which will serve as a guide to the administrators of the two information systems.

Introduction

LDIMS will monitor trainings conducted online, specifically the training courses under the DOH Academy e-Learning LMS thus, making e-Learning a component of LDIMS. For these courses to be included in LDIMS, a protocol-driven data transfer between the two information systems was developed. This will enable LDIMS to record and monitor the status and result of the online trainings attended by the health workers.

Data Import Procedure

Transfer of data will only be from LMS to LDIMS and only e-Learning data of learners who completed the whole course will be imported in LDIMS and included in the health workers' file of trainings. It is assumed that there is a tagging mechanism within e-Learning LMS to inform whether it is a module completion or a course completion. There is no data from LDIMS that will be exported back to the e-Learning LMS platform.

Below are the activities that need to be conducted in preparation for the data import.

Activity	e-Learning LMS	LDIMS
1. Implement the minimum data set in their information system	✓	✓
2. Adapt the DOH Facility Code	✓	✓
3. Add e-Learning as an LD Provider in LDIMS		✓
4. Provide the list of courses offered in the e-Learning LMS	✓	
5. Add the e-Learning courses in LDIMS and assign a unique course code. • For new e-Learning courses, add the course to LMS using the LDIMS Training Course Code and Description. • For existing e-Learning courses, update the course code and description using the LDIMS Training Course Code and Description	✓	✓
6. Agree on the identifier for health workers from e-Learning when sharing data from e-Learning LMS to the LDIMS Training Registry	✓	✓
7. Agree on the identifier for health facilities, if LMS is not using the DOH Facility ID.	✓	

To import the e-Learning data:

1. LMS Administrator will extract e-Learning data of learners who completed the whole course for the period specified. The data will be downloaded to the LDIMS file update template to be provided. (Should have a standard file naming convention – with versioning, for tracking purposes).
2. LMS Administrator will inform LDIMS Administrator by e-mail of the availability of the file.
3. LDIMS Administrator will save the file in the assigned LDIMS folder.
4. LDIMS Administrator will log-on to LDIMS and access the Training Course Schedule and import the e-Learning data.

   LDIMS will match the LMS Training Course Code with the LDIMS Training Course Code and upload the learners as participants of the course

   - If Training Course is not in LDIMS, LMS data will not be uploaded in LDIMS. Instead, an e-mail will be sent to LDIMS Administrator to add the Training Course in LDIMS
   - If Health Worker is not in LDIMS, email will be sent to LDIMS Administrator to add the Health Worker in LDIMS.

File Format

#	Data	Constraints
1	Learner ID – Unique identifier	Required-Not Null
2	Profession 1	Required-Not Null
3	Profession 2	Null
4	PRC Number	Required-Not Null
5	Last Name	Required-Not Null
6	First Name	Required-Not Null
7	Middle Name	Required-Not Null
8	Name (Suffix) Inherited	Null
9	Date of Birth	Required-Not Null
10	Sex	Required-Not Null
11	Maiden Name	We do not collect this
12	Email Address 1	Required-Not Null
13	Email Address 2	Required-Not Null
14	Contact Number (Mobile)	Required-Not Null
15	Contact Number (Work)	Optional
16	Employment Status	Null
17	Position	Null
18	Primary Facility Address Region	Required-Not Null (should be PSGC code)
19	Primary Facility Address Province	Required-Not Null (should be PSGC code)
20	Primary Facility Address City/Municipality	Required-Not Null (should be PSGC code)
21	Primary Facility Ownership	Required-Not Null
22	Primary Facility Address Street	Required-Not Null
23	Primary Facility Name	Required-Not Null

#	Data	Constraints
24	Primary Facility ID	Required-Not Null
25	Secondary Facility Address Region	Null
26	Secondary Facility Address Province	Null
27	Secondary Facility Address City/Municipality	Null
28	Secondary Facility Ownership	Required-Not Null
29	Secondary Facility Name	Required-Not Null
30	Secondary Facility ID	Required-Not Null
31	Training Course Code	Required-Not Null
32	Training Name	Required-Not Null
33	Training Date Completion	Required-Not Null
34	Training Completion Status	Required-Not Null

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