



## VOLUNTEER REPORT FORMAT

*To be submitted to CRS at the end of volunteer assignment and shared with the Host*

### 1.1 Assignment information

- a) Volunteer Name: Dr. Maurice Eugene Dawson Jr.
- b) State of Origin: Missouri
- c) Host Organization: Buusaa Gonofaa MFI
- d) Assignment: ET 103
- e) Dates of Assignment: December 29, 2017 - January 11, 2018
- f) Number of days worked 13

### 1.2.1 Objective 1 in your SOW High level design of database infrastructure

- a) Progress with the objective Developed a top level design to include providing viable options for the database. Additionally, provided what cryptographic mechanisms should be used to ensure confidentiality and integrity is maintained. Availability is an issue as there is only one telecom provider and the speeds are very low.
- b) Expected impacts/results The expectation is this scalable model is used for the entire enterprise.
- c) Recommendations Create an integrated database using an Open Source Software (OSS) such as PostgreSQL. Adding encryption to data at rest and in transit to include defining how the database scheme is.

### 1.2.2 Objective 2 in your SOW Evaluate 5 year plan.

- a) Progress with the objective Provided templates and guidance on how to properly form a 5 year plan.
- b) Expected impacts/results Create a 5 year plan that captures the organization's 5 year trajectory as it relates to Information Technology (IT).
- c) Recommendations To rework the 5 year plan with creating measurable outcomes.

### 1.2.3 Objective 3 in your SOW Tackle database integration issues.

- a) Progress with the objective Provided a path forward but will require actual work with implementing.
- b) Expected impacts/results Reduce the identifications of errors however another study where only this issue alone is addressed.
- c) Recommendations Develop plan to integrate University of Missouri - Saint Louis (UMSL) and Catholic Relief Services (CRS) further to receive technical support. As of now BGMFI pays a subcontractor approximately \$900 USD an hour to only identify issues and run an application. UMSL could provide two technical volunteers to correct issue and get the database system up and running. It would require a database developer, and a programmer to develop scripts to speed up automation.

1.3 Recommended future volunteer assignment Develop plan to integrate University of Missouri - Saint Louis (UMSL) and Catholic Relief Services (CRS) further to receive technical support. As of now BGMFI pays a subcontractor approximately \$900 USD an hour to only identify issues and run an application. UMSL could provide two technical volunteers to correct issue and get the database system up and running. It would require a database developer, and a programmer to develop scripts to speed up automation.

#### 1.4 Action Plan

Recommendation	Specific Action	Responsible person	By when
1. Identify project with CRS to have two volunteers fix his issues onsite at the main office.	Contact CRS and implement new system while correcting all errors from previous system. Project should be an estimated 20 days in country if junior but if senior volunteers then 15 days is sufficient.	Birhan Gonofaa	April 2018
2. Create a sufficient ICT Strategic Plan.	Plan needs to have performance indicators against objectives. Statements need to be rewritten to address things such as mandatory applications.	Birhan Gonofaa	April 2018
3. Create a detailed hardware and software listing.	It is strongly recommended that the organization creates a detailed hardware and software list. Whenever there is a change then that item is updated. This is an item that needs to be managed by the ITS Manager or a delegate. This list needs to be under strict configuration management. Must include serial number, MAC address, software version, and etc.	Birhan Gonofaa	March 2018
4. Develop a database specifications document.	A document needs to be created that	Birhan Gonofaa	March - April 2018

	outlines the database. A template was provided that shows all the information needed to properly capture all database elements.		
5.			
6.			

### 1.5 Number of people Assisted

- a) Through formal training (Classroom setup)
- b) Through direct hands on practical assistance (Do not double count)
- c) Out of these above, number of host staffs
- d) Training/assistance by field

Category	Total	Males	Females
Members/ owners	0	0	0
Employees	3	2	1
Clients/ Suppliers	0	0	0
Family Members	0	0	0
Total	3	2	1

### 1.6 Gender

- a) What gender roles did you recognize in your host community? Did these roles play a part in your assignment? How? n/a
- b) How might CRS or the host organization improve opportunities for the women in this host or host community? n/a

### 1.6 Value of volunteer contribution in \$78.13 per hour for approximately \$1562 total for man hours.

\*Rate is taken from previous industry role See [https://www.payscale.com/research/US/Job=Senior Principal Engineer/Salary](https://www.payscale.com/research/US/Job=Senior_Principal_Engineer/Salary) while salary is taken from current annual income.

- a. Hours volunteer spent preparing for assignment 20 hrs
- b. Estimated value of all material contributions volunteer contributed to host during assignment \$100

### 1.7 Value of hosts' contribution in \$ (Please consult the host as well)

- a) Meals \$30 USD
- b) Transportation n/a
- c) Lodging n/a
- d) Translation n/a
- e) Other (Specify) n/a



#### 1.8 Host Profile Data:

Did you obtain any data that supplements or corrects the data in the existing host information as detailed in the SOW? Please list it.

1.9 Recommendations for CRS: CRS should be more active in engaging technical projects as these may open opportunities for ICT4D which CRS is a major sponsor for.

#### 1.10 Press Release

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#### **FOR IMMEDIATE RELEASE**

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## **[US City] Farmer [Researcher, etc] Works with Counterparts in [Country]**

### **Farmer-to-Farmer program promotes economic growth and agricultural development in East Africa**

**[DATELINE: City, State, Month, Day, 2016]---** Dr. Maurice Dawson Jr., a Assistant Professor of Information Systems at University of Missouri - Saint Louis who has expertise in cyber security travelled to Ethiopia 2 weeks to share his technical skills and expertise with local farmers. Maurice's assignment is part of Catholic Relief Services' Farmer-to-Farmer program that promotes economic growth, enhanced nutrition through access to healthy food, and agricultural development in East Africa.

**"[Volunteer quote],"** said **[name]**. *[Quote should tell why you were there and how you spent your time, what you were trying to accomplish and how your visit made a difference. Quotes that are short (2 sentences) and paint a picture are strongest.]*

Farmer-to-Farmer matches the technical expertise of U.S. farmers and professionals in agribusinesses, farming cooperatives, and universities with farmers in developing countries to assist them in improving agricultural productivity, accessing new markets, and increasing their incomes. Farmer-to-Farmer is funded by the U.S Agency for International Development (USAID).

In a world where 80% of food is produced by farmers working on small farms or fisheries, the movement to share proven farming and business skills can improve the quality and quantity of the world's food supply. For communities in the developing world who often struggle to produce enough food, this can improve access to a reliable source of food and better nutrition. For the farmers, it can strengthen their path to prosperity.

The goal of **[name's]** assignment was to **[describe goal]**. He/she worked with **[# of and type of beneficiaries]** who **[describe situation/challenge/opportunity]**. Most of **[name's]** time was spent in the **[describe the location/part of the country]** working with **[name the partner]**. **[Optional Statement: What impact do you think your work will have?]**

This is Maurice's (first, second, third, etc.) volunteer assignment with Farmer-to-Farmer and is one of nearly 500 assignments that focus on improving approaches to local agriculture practices, expanding production of quality food crops and nutrition in Ethiopia, Tanzania, Kenya



and Uganda. The program, funded by the U.S. government has been running for nearly 30 years.

CRS is partnering with five U.S. institutions to tap into the rich diversity of the U.S. agriculture community: the National Catholic Rural Life Conference, Foods Resource Bank, National Association of Agricultural Educators, American Agri-Women, and the University of Illinois' College of Agricultural, Consumer and Environmental Sciences.

The volunteers travel to East Africa for anywhere from one to six weeks.

"We are certain that this program will be beneficial not just to the farmers in East Africa but also to the volunteers from America," said Bruce White, CRS' director for the program. "It's going to make the world a little bit smaller and a whole lot better for everyone involved."

For more information, visit [farmertofarmer.crs.org](http://farmertofarmer.crs.org)

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***Catholic Relief Services** is the official international humanitarian agency of the Catholic community in the United States. The agency alleviates suffering and provides assistance to people in need in more than 100 countries, without regard to race, religion or nationality. CRS' relief and development work is accomplished through programs of emergency response, HIV, health, agriculture, education, microfinance and peacebuilding. For more information, visit [www.crs.org](http://www.crs.org) or [www.crsespanol.org](http://www.crsespanol.org) and follow Catholic Relief Services on social media: [Facebook](#), Twitter at [@CatholicRelief](#), [@CRSnews](#) and [@CRSnoticias](#), [Instagram](#), [Pinterest](#) and [YouTube](#).*