

Project Status Report as at 19-03-2013

Project: RHEA

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1. Project Status

Green	Orange	Red
<i>Project expected to deliver agreed scope on time and within budget</i>	<i>Project expected to deliver at least 80% of agreed scope, with less than 10% overrun on time and/or budget</i>	<i>Project in danger of delivering less than 80% of scope, and/or project time or schedule overruns expected to be greater than 10%</i>
		✓

2. Project general update.

- **On going urgent issues:**

- At site
 - Musha
Internet at site was disconnected on the 2nd Feb and has yet to be reconnected. Updates to fix a queue problem identified late last year were installed on the 8th of Feb but could not be tested. **The RHIE has not received any messages from Musha since the updates in Feb.** Currently Musha's system is running in an offline mode. Our team is actively following up daily with the Health Centre staff to report when this service comes back online.
 - Ruhunda
Internet was cut on the 7th of March 2013 due to unpaid bills. Jembi has informed the MoH team of this and they are taking appropriate action. Currently Ruhunda's system is running in an offline mode.
- **To date, we have not logged any messages (notifications) through the HIE originating from RapidSMS.** The first message that RapidSMS attempted to send to the HIE was dated the 22nd of November 2012 and in total 496 messages (notifications) were submitted from RapidSMS to the HIE. Although for each of these notifications the RapidSMS logs show successful responses (HTTP 200 Okay) from the HIE, we cannot find the corresponding transactions in the Interoperability Layer logs or Transaction console (NB. these should have been HTTP 201 Created responses). We have narrowed the problem to a connection issue, with RapidSMS not being able to connect to the NDC Interoperability Layer and are following up with the Support staff in the NDC and MTN data-centres to trouble-shoot.

- A joint Jembi/MoH planning session for developing an implementation plan for the MoH rollout of the ANC OpenMRS/RHIE system to the other health facilities in Rwamagana District is scheduled for the week of the 15th April 2013-03-19.
- Jembi continues to follow up with the MoH technical team regarding the additional training and mentorship methodology that they feel would be most valuable. At present the MoH team have yet to explore the registries in the testing environment and present Jembi with questions and areas in which they need support. Dawn and Gilbert are following up with the MoH tech team. When more information is received it will be shared with the RHEA working group and plans for additional training can be created.

The current up-to-date project plan can be viewed at

<https://dl.dropbox.com/u/63883595/130319%20RHIE%20Project%20Plan%20Track%201/index.html>

3. Progress

3.1. Tasks Completed

- Review of backup and recovery documentation completed and documentation shared with MoH (the Provider Registry Documentation expected to be developed this week by IntraHealth)
- Progress on tasks planned for last week:

Task	Status
Support and monitoring of Ruhunda and Musha	Ongoing
Collaborative testing on OpenMRS modules	Jembi are working with the MoH to secure additional test data. An integration testing meeting is being scheduled for the Jembi and MoH technical team next week to review modules
OpenMRS Patient Search Module Design	Ongoing. There have been some hurdles with the address hierarchy modules and Jembi are reaching out to the original developer of the module for advice
Research into Network and Systems monitoring tool	Jembi as recommended that the NDC provide access to a Nagios Dashboard which they already have setup to monitor the RHEA servers in the NDC. Jembi is also working with Daniel Murenzi to setup Nagios for agent based remote monitoring of the Health Centers.
Development of Documentation for the NDC Server Backup to a remote site and Recovery Testing Process.	Jembi has collated the Registry documentation (except Provider Registry) and shared them with the MoH tech team. The RHEA wiki will be updated within the next two weeks so that this content is shared with the larger RHEA working group.
Develop Generic OpenMRS HIE Component Design	Currently on hold.
OpenMRS Provider Helper Module Design	Ongoing. HPD specification has been developed and currently being validated.

	IntraHealth is also currently leading the evaluation of the DSML gateway implementation.
Implementation handover	MoH infrastructure rollout has been postponed. Weekly management calls between Jembi and MoH continue. Rhonwyn will be travelling to Rwanda in April for a full implementation planning session with MoH.
Mentorship or registries managers	No progress. The MoH tech team were not available for the regular technical Friday call. Dawn is following up with MoH tech team to ensure that they are using the testing environment to become familiar with the registries and develop questions/identify areas where additional training and support are needed.
Work with MoH to develop regular site check-up checklist	First done and shared with MoH. This is a working document which will change over time based on lessons learnt

3.2. Tasks currently underway/planned for the next week

- RACI chart for RHEA is being developed by Rhonwyn, Dawn and Liz and will be shared with the RHEA Working Group as soon as possible
- Support and monitoring of the updates rolled out to Ruhunda and Musha last week
 - Twice weekly site analysis through follow-ups with IT managers.
- OpenMRS Module upgrade to 1.9 - Collaborative Testing (MoH-Jembi). Additional data for testing will be collected at site later this week.
 - Integration and Workflow testing (Joint Jembi and MoH meeting being scheduled for next week)
- OpenMRS Patient Search Module Design (previously Track 2 but critical to Track 1 implementation)
 - Prototype development is 90% complete and initial User Testing planned for early next week.
- Research into Network and System monitoring tools for the NDC Environment as well as monitoring the point of care applications in collaboration with PIH and the MoH.
 - **Point-of-Care Monitoring:** Following discussions with Daniel Murenzi, we plan to setup a test Nagios installation to remotely monitor Ruhunda as a pilot site. While we wait for Daniel to provide access to a dedicated server for the central monitoring server, Jembi will set this up on our In-Country testing server.
 - **NDC Server Monitoring:** Jembi has recommended that the NDC provide as a service under the MoH-NDC contract, access to a Nagios dashboard for monitoring the RHEA Servers as the NDC are already using this tool. Daniel Murenzi is following up with the NDC and will feedback to the group.
- Daniel Murenzi is still working on providing access to a remote backup-server. Currently, all the NDC RHEA servers except the Facility Registry dump backup data to the local servers in the NDC and this need to be stored remotely where the MoH Registry managers will periodically run through the recovery testing process.
- Review existing help desk setup and process with MoH and work with them to define the help desk process for RHEA with an implementation plan.

- Develop Generic OpenMRS HIE Component Design (Track 2)
- OpenMRS Provider Helper Module Design (previously Track 2 but critical to Track 1 implementation)
 - Review of HDP and PWP profiles
 - UI Mockups of Provider Validation Screens
- Work with Gilbert and MoH team to effectively handover implementation activities on track 1 and provide technical support and mentorship
- Mentorship of MoH team regards monitoring and management of the HIE implementation.
- MoH and InSTEDD are in discussion around roles and responsibilities around M&E planning and implementation.

4. Issues

- To date, we have not logged any messages through the HIE originating from RapidSMS. We are currently following up with Pivot to review the server status and transaction logs on both the HIE and RapidSMS systems to determine exactly what the problem is.
- Sites:
 - Ruhunda
The internet connection at Ruhunda has been disconnected by ISPA. The MoH have been informed and are addressing the problem, which appears to be non-payment of the service provider.
 - Musha
- There have been further delays in MoH infrastructure improvements at health facilities due to a lack for necessary hardware. Jembi is working with the MoH to speed up the procurement process