

## **CWRC WEEKLY MEETING**

**MONDAY 24<sup>TH</sup> JULY 2007**

### **PRESENT**

1. Dr Dorothy Okello
2. Edwin Mugume
3. Miriam Ssanyu Nalule
4. Emmanuel Miyingo
5. Peterson Mwesiga

### **VIA E-MAIL**

1. Alberto Escudero
2. Louise Berthilson
3. Frank Kitumba

### **Proceedings:**

#### **Introduction**

Dr. Dorothy welcomed everyone for the meeting and informed the members as to why the meeting was held on Tuesday and not Monday. She explained that the team needed a break after the car accident over the weekend involving students from the Faculty of Technology, including our own Lillian Olule.

#### **1. Work plan**

The wireless network implementation in Nabweru was successfully done. This was according to the set plan though a few changes were made such as mounting a radio at the new sub-county building rather than at old one as originally planned. Dorothy emphasized the need for being flexible during implementation, but more so to document whatever changes are made. The other issue is to take note of the challenges faced during the implementation process.

Frank provided a revised work plan based on the progress made so far in Lira and Nabweru and the plans for Kabale.

#### **2. IT+46 Support**

Edwin, Frank, and the CWRC team prepared a test bed for Nabweru and shared it with Louise and Alberto by mail. The Nabweru test bed considered advice given by Louise and Alberto on the Lira test bed for example use of more complex passwords.

Frank got feedback from Louise on the issues raised during the exercise with the routing node of the WPP54AG-6C access points. The team has also done some reading on this problem and therefore, it is expected that it will be done successfully this time.

### **3. Nakaseke**

Frank prepared and handed over a report on Nakaseke. Edith Adera, our contact at IDRC, has also recommended that CWRC withdraws from Nakaseke. Therefore, CWRC has pulled out of Nakaseke.

#### ***Action***

1. The CWRC team needs to devise a plan on how to use the Nakaseke equipment in Kabale or any other place for that matter. Frank to take the lead in this matter.

### **4. Ministry of ICT**

Edith Adera recommended that CWRC stays in touch with the ministry. Dr. Dorothy met the acting commissioner for ICT, Dr. David Turahi, and discussed the issue of CWRC maintaining contact with the Ministry. This was encouraged by the commissioner who promised to keep CWRC informed of whatever progress the Ministry would have taken. He noted, however, that implementation at Nakaseke had been delayed by political issues. In light of the above, Eng. Odoi, a Ministry official, will be subscribed to the CWRC mailing list so that the Ministry can be always informed of CWRC activities and plans.

#### ***Action***

1. Dr. Dorothy is to formally welcome Eng. Odoi to the CWRC mailing list.

### **5. Lira Deployment**

The team headed out for on Monday 2<sup>nd</sup> July 2007 as planned. The Lira network was implemented from Tuesday 3<sup>rd</sup> July to Friday 6<sup>th</sup> July 2007. Everything was done successfully and a report has been prepared. An outdoor access point was used at NUSAF since the length of the

RF cable required was more than the 7 m cable planned. The need to have professional mast experts as part of the CWRC team was fully acknowledged.

The Lira deployment was successfully finished on July 6<sup>th</sup> 2007. A public copy of the Lira implementation documentation, in PDF form, was issued out and two comments have been received as per this meeting. The comments mainly point out the issue of IP ranges at the three partner sites.

**Action**

1. Frank to address the issue of IP ranges at the partner sites to Louise and Alberto.
2. The CWRC trainees to find out if there are any security concerns with dynamic addresses as opposed to static addresses and produce a report on this.

**6. Nabweru deployment**

A team of four Industrial trainees, three CWRC staff and two mast experts set out for Nabweru on Tuesday 10<sup>th</sup> July 2007 for implementation as earlier planned. The implementation was successfully carried out leaving three clients connected i.e. the Nabweru Magistrate court, Sub-county-1, and Sub-county-2. However, the initial implementation plan was slightly changed in that the outdoor radio was mounted at Sub-county-2, and Sub-county-1 connected by Ethernet cable as opposed to the initial plan where Subcounty-2 was to be connected by Ethernet cable from Sub-county-1.

The other concern is that Nabweru Telecentre does not have access to Internet service at the moment. One client (Crown High school) was not connected due to the fact that the Headmaster of the school claimed that he had not seen the Service Level Agreement and therefore needed time to consider it with the management of the School.

The issue of no Internet access was followed up and Louise provided Edwin with options of what can be done with the wireless network in the meantime. Edwin shared the information with everyone concerned. In light of the above, Dr.Dorothy suggested that the team comes up with a needs assessment before actually setting up any system.

**Action**

1. Frank to follow up with IT+46 for any comments about the Nabweru report before a public copy is issued.

2. The team to come up with a needs assessment for the case of Nabweru before planning to install a Content Management System there.
3. CWRC staff and trainees to carry out a site survey of Nansana Town council premises after the Kabale deployment.

## **7. Kabale Deployment:**

A CWRC team is to travel to Kabale in approximately two week's time (i.e. first week of August). The two weeks are to give the team ample time to prepare for the deployment as well as allow CWRC staff (notably Edwin and Dorothy) perform most of the administrative work at the office in preparation for Kabale. Dorothy noted that it is likely that the Kabale implementation will be done in two phases. The first phase will also be used to note the necessary requirements, unforeseen expenses, etc so as to prepare well for the second phase.

It was noted that issues concerning Service level Agreement (for Kabale) had been sufficiently sorted out. Edwin noted that there were issues delaying the requisitions put in for the Kabale implementations, for example the University auditor wonders why the per diem rate varies for Nabweru as for Kabale. Edwin also informed the meeting that Adrian had asked whether it was important to re-activate their contract with AFSAT in time for the Implementation. Edwin advised that it was very important. However, Dorothy noted that there were other ISPs (say MTN Broadband) that could be considered by Adrian and that CWRC would only advise.

The Kabale deployment will commence next week and two phases will be done due to the complexity of the network. Edwin verified with Adrian the number of partners to be connected and Edwin informed the meeting that the priority clients will be considered in the first phase.

### ***Action***

1. CWRC staff and trainees to consider the Routing Node problem.
2. Ahead of the Kabale deployment, Edwin is to prepare the Administrative budget and Frank is to prepare a budget for the Technical Requirements.
3. CWRC staff and trainees to set up a test bed for Kabale and share it with Louise and Alberto.
4. Trainees to find out more about "MTN Broadband", Celtel Portal and UTL internet service focusing on the coverage and the data rates if possible. They are to give a detailed report during the next meeting upon which Kabale Telecentre management can be advised.

## **8. September workshop preparation:**

The September workshop, which will include theoretical training and site visits, is scheduled for 3-14<sup>th</sup> September 2007. Louise and Alberto are due to arrive in Uganda on 1<sup>st</sup> September and depart on 15<sup>th</sup> September 2007. The training will require two tower PCs which are to be borrowed from FOT (Faculty of Technology) Computer Laboratory. However, since two ethernet interface ports are necessary, CWRC will buy two-port NICs for each PC. CWRC will look to book a venue at the Faculty of Food Science for theory sessions while the FOT Computer Lab will be booked for practical training.

Dr. Dorothy informed the meeting that Louise and Alberto have managed to sort out the hotel issue and they will be staying at Mamba Point. She also informed the team that Lira and Kabale should be considered among the sites to be visited for practical training. Lira should be chosen because it was not visited during the first workshop and Kabale should be visited because its complexity will offer more opportunities for learning to the participants.

**Action:**

1. CWRC staff and trainees to suggest more topics of interest to be covered in the workshop from their experience with Lira and Nabweru.
2. CWRC is to procure two NICs for the workshop.
3. CWRC trainees to book a venue at the Faculty of Food Science for the workshop.
4. CWRC to agree on which sites to be visited during the workshop.

**9. CWRC Website and Press Release**

The blog on the CWRC website has been sorted out and members are now able to login and post their comments. Dr. Dorothy particularly encouraged CWRC trainees to blog at least once a week.

A CWRC team has also prepared a press release that will be published and/or distributed on various mailing lists at the university. This is to make the general public especially the ICT community aware of CWRC and its activities.

**10. A.O.B:**

Alberto and Louise would like to begin plans for the September workshop. It will include theoretical training and site visits where practical training is to be undertaken. It is due to take

place from 3-14<sup>th</sup> September 2007. Louise also requested for many photos to be taken during implementation.

Dr. Dorothy suggested that after getting a profile for Nabweru, the information could be shared with the partners so as to get similar information from them for the website. This is to be done in Lira as well. Nabweru deployment is tentatively to start on Tuesday 10<sup>th</sup> July.

**Action**

1. Material on Lira telecentre for updating the website has been sent by Juma. Edwin to provide this information to the trainees who will then commence with updating the website.
2. Ivan (manager Nabweru) to help with profiling Nabweru Telecentre.
3. It was noted in Lira that the power supply at CCE is not reliable. After the connection was done as pre-destined, a patch code would be used to power the access point at CCE from NAADS to enable reliable power supply to the access point. Frank and Edwin to take the lead in this issue.

Other possible solutions to the problem of unreliable power supply to the access point that arose from the members included:

- Using a solar panel to power the access point.
- Not using Ethernet to connect any two partners at all in the network so that all partners are independent and are connected directly to the hub.