



**WIS Implementation Workshop RA1  
Pretoria, South Africa 22-26 September 2014**

**Agenda Item [4]**

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**24 September 2014**

## **1 Status on implementation and operation of the GTS**

### **1.1. Implementation of circuits**

(i) The status on implementation and operation of the MTN is shown in the table below:

		<b>Present status</b>		<b>Current plans for upgrade and/or introducing/use of TCP/IP</b>	
		<b>Connection Type</b>	<b>Procedure</b>	<b>Capacity</b>	<b>Procedure</b>
Nairobi	Offenbach	VPN -Internet	TCP/IP FTP	10 Mbps VPN internet	TCP/IP

(iii) The status on implementation and operation of the main regional and regional circuits is indicated in the table below:

		Present status		Current plans for upgrade and/or introducing/use of TCP/IP	
		Connection Type	Procedure	Capacity	Procedure
Nairobi	Dakar	Not Implemented		Internet VPN or RMCDN	TCP/IP
Nairobi	Cairo	Not implemented		Internet VPN	TCP/IP
Nairobi	Pretoria	Internet	WMO Socket	1Mbps MPLS	TCP/IP

		Present status		Current plans for upgrade and/or introducing/use of TCP/IP	
		Connection Type	Procedure	Capacity	Procedure
Nairobi	Seychelles	Internet FTP	TCP/IP		
Nairobi	Mauritius	Internet VPN	TCP/IP		
Nairobi	Dar ESalaam	MPLS 512Mbps	TCP/IP		
Nairobi	Entebbe	email		Internet VPN	IP
Nairobi	Ethiopia	email		Internet VPN	IP
Nairobi	Kigali	Internet FTP	TCP/IP		
Nairobi	Bujumbura	email		Internet VPN	IP
Nairobi	Djibouti	email		Internet VPN	IP

## 2 Status on implementation and operation of WIS in Eastern Africa

A request was sent to the National focal points for the countries in the region but only Rwanda and Ethiopia responded. From the responses it that were received it seems these countries have challenges in the WIS implementation.

## **2.1 Status of WIS implementation Kenya**

- Implementation Plan for WIS has been developed and its implementation has started;
- Supporting infrastructure has been procured/upgraded - , Server room, CIPS & CDMS;
- AMSS to be upgraded before end of 2014;
- Tender WIS DCPC & NC has been awarded to MFI-to be installed by June 2015;
- Internet to be upgraded to 20 Mbps;
- VPN connection to Pretoria to be upgraded to 2Mbps by end June 2015;
- Proposes to host WIS Regional workshop for Eastern Africa in October/November 2015;

## **3 WIS Implementation challenges in Eastern Africa**

- Lack of understanding of WIS concept and its benefits;
- Lack or poor national telecommunications infrastructure operated by NMHSs
- Most NMHSs still perform most of the operations manually including collection and dissemination of data.
- Budgetary constraints – NMHSs are allocated insufficient funds for development and mostly Meteorological services are given low priority;
- Lack of staff with technical skills/competencies;

## **4 Recommendations for WIS Implementation in Eastern Africa**

- Capacity building and training in WIS for the technical staff at NMHSs and users - to be done with support of WMO secretariat and sub-regional associations;
- WIS DCPCs should be encouraged to offer technical expertise/support to assist those within their area of responsibility eg management of metadata ;
- Encourage NMHSs to embrace new technologies to improve weather services and provide efficient delivery of its products to user communities;
- RMTCs should be encouraged to offer short courses to address issue of WIS training and competencies;
- The NHMSs through their WIS national nominated focal points should be encouraged to participate in WIS activities/meetings and other WMO programmes that impact on WIS.