EACO East African Communications Organisation			FOA				
CFOT (CERTIFIED FIBER OPTIC TECHNICIAN COURSE), BUJUMBURA, BURUNDI, 13th – 17th October 2014							
TIME TABLE							
DURATION – 5 DAYS							
DAY/TIME	**8:30 – 10:30**		**11:00 – 1:00**		**2:00 – 3:30**		**3:45 – 4.30**
MONDAY **13/10/2014**	Arrival and registration. Introduction to optic fiber. History of Fiber Optics.	**B**	Theory of light How fiber works, Fiber specifications (geometry, attenuation, bandwidth). Fiber Optics Safety. Terms and Definitions.	**L**	How fiber optic links work (transmitter, receiver) Fiber Optic communication networks. (Telecom, data, CATV, etc.).	**B**	Fiber optic technology and manufacture of optic fiber cable. Hands-on Session: view samples of fibers and cables.
TUE **14/10/2014**	Frequency spectrum and multiplexing (WDM)	**R**	Preliminary and detailed survey Documentation. - Trenching - Duct and cable laying	**U**	Standards and Code compliance. Reading prints and specs. Planning for the installation.	**R**	Pulling cable (installation hardware, guidelines to pulling, practices.
WED **15/10/2014**	Types of Cables. Cable preparation AND FUSION SPLICING THEORY and demonstrations.	**E**	Connectarization theory and demonstration	**N**	Fusion and mechanical splicing Hardware (patch panels, splice closures, conduit, etc CONNECTORIZTION: Visual Inspection with microscope.	**E**	Hands on: Termination (one type, adhesive or prepolished/splice)
THUR **16/10/2014**	Power budgeting and loss calculations	**A**	Introduction to meters, continuity testing and tracing	**C**	Hands on: Loss with power meter and source.	**A**	Design, FTTX and PON networks
FRI **17/10/2014**	OTDR: Trouble shooting and maintenance.	**K**	**Administering of Exam: Test and Grade written CFOT Exam.**	**H**	**Review conclusion and closing.**	**K**	