

Off air recordings development plan

Workpackage 1: Hardware configuration

This stage comprises the initial platform to be built that will house and support the recording and streaming of Off-air recordings. This comprises the installation of air conditioning in gateway, the building of the rack to house the equipment and finally the installation of the hardware (servers) in both Gateway and Kimberlin, to begin the process of capturing recordings.

Completion March 2009

Gateway House 3.53 DONE

- **Install rack and UPS (we don't have a UPS)**
- **Physically install**
 - **x4500 storage server**
 - **4x Compaq ML370 for video ingest**
 - **Compaq ML570 for database server**
 - **2x 3com gigabit switches**
 - **TV signal splitter (split 1 to 8 feeds)**
 - **build networking cables (6x3)**
 - **build TV signal cables**
- **Install OS, setup disks and install Myth TV related software**
 - **x4500 → Solaris + 16TB ZFS storage**
 - **4x CentOS + MythTV backend server**
 - **CentOS + MythTV backend server + MySQL**
 - **Monitoring systems for high availability (including air con)**

Kimberlin NOT COMPLETE

- **Physically install**
 - **x4500 storage server**
 - **2x 16 core transcoding servers**
- **Install OS, setup disks and software**
 - **x4500 → Solaris + 16TB ZFS storage**
 - **install/compile software for video transcoding**

Workpackage 2: Recording of programmes

Additional programming required to take advantage of Freeview and MythTV to select and record programs for automatic recording to the library servers.

Ingest and storage DONE

- **Setup jobs across 4 ingest servers to copy recorded material to local x4500**
- **Write software for storage and duplication to Kimberlin x4500**

Completion June 2009

Workpackage 3: Streaming

Additional programming to ensure that recorded programmes are available campus wide to staff and students using the university network.

Transcode

- **Write software to create introduction video to each streamed recording stating ERA licence**
- **Write software to transcode recorded material to format suitable for delivery over the university's network**
- **Write software to store packaged material on a web server**

Completion June 2009

Workpackage 4: DVD production

In tandem with streaming provide a DVD production facility for loaning of items off campus.

Transcode

- **Write software to create introduction video to each streamed recording stating ERA licence**
- **Write software to transcode recorded material to format suitable for writing to DVD/s**
- **Write software to push DVDs to DVD publisher**

Workpackage 5: Transferring metadata to the library catalogue

Once the recording process is complete enable the transfer of data to the library management system to ensure that recordings are available for the library catalogue.

Metadata

- **Package metadata of recordings for Database team or for LMS if possible**

Workpackage 6: Selection of programmes

Devise an interface that staff can use to select the recordings required for inclusion in the library's collection. Involve members of Academic services to ensure fit for purpose.

Calvino

- **Re-write current recording form to allow staff to setup recordings themselves**

Workpackage 7: Publicity

At appropriate points promote aspects of the service to the wider university community.

Timescales

WP	Feb 09	Mar 09	Apr 09	May 09	June09	July 09	Aug 09	Sep09
1	■	■						
2			■	■				
3				■	■			
4				■	■			
5				■	■	■		
6					■	■		
7						■		■