

LHBS/Radio Broadgreen Disaster Recovery Plan

History.

Radio Broadgreen is a hospital radio broadcasting service; part of the registered charity Liverpool Hospital Broadcasting Service, based in Liverpool. It commenced broadcasting in October 1983 from single storey premises near the front entrance of Broadgreen Hospital, Thomas Drive, Liverpool, L14 3LB. Due to site redevelopment during 1996, the radio station moved into the old gate keepers' lodge, Warmington Lodge, a two storey building of brick situated on South Road near to Warmington Road.

The building consists of two broadcast studios and a production/music library with unisex WC on the second floor. The first floor consists of a hallway and storage room (NHS Trust use only), a reception area and kitchen area.

The radio service is hardwired to the Alexandra Wing of Broadgreen Hospital (RLBUHT NHS Trust). There is a UHF radio link from the Alexandra Wing to the new building. It is planned that Radio Broadgreen will extend its service to other parts of the hospital via a low powered AM broadcast transmitter and through to other similar institutions in the Liverpool/Merseyside area via STL/ADSL link.

Radio Broadgreen uses a computer play-out system Myriad, with data and audio files stored onto a NAS Server.

Disaster Plan

Although the Myriad system uses the NAS Server, this is backed up onto an external hard-drive on a weekly basis. In the event of a NAS hard-disk failure, the NAS Server is setup in a RAID/JBOD array and is expected to continue. In the event of total NAS failure, the external hard-drive back-up should be used.

Studio Failure

In the event of studio failure, the on-air operator is expected to broadcast from the second studio. Contact station engineer.

Myriad Failure

In the event of Myriad failure, check the Myriad in the second/spare studio. Contact station engineer.

Myriad Main Server Failure

In the event that no Myriad PC will work, contact the station engineer. The station engineer should be able to put Myriad into a back-up recovery status.

Mains Power Failure

Warmington Lodge is fed via the Hospital Trust's mains electrical system. In the event of loss of power, the backup generator should automatically start and replace power until the utility company restores power. Important items of equipment should be covered by UPS units offering a short span of backup power until the generator set kicks in. Please note NOT all electrical items have a UPS backup system at Warmington Lodge.

Warmington Lodge Evacuation

If instructed to do so, put the on-air studio Myriad system onto AUTO and vacate the building. Inform the Chairman and/or Station Engineer of the situation.

Total loss of Warmington Lodge Studios'

In the event of Warmington Lodge becoming unusable, either through fire destruction or other major incident, attempts will be made to enable a PC to run Myriad in disaster mode and feed this to the Broadgreen Hospital site (and on to other transmission areas). Temporary housing may have to be sort, and this will have to be fitted out with temporary studio equipment and a Myriad PC (linked to the hospital). Staff should contact the Chairman/Programme Controller for updated information.

Technical Information

The central transmission point is located near to the 100 volt line amplifier at the Alexandra Wing of Broadgreen Hospital (service cupboard level 2). This audio insert point also feeds the UHF link (roof-space service area).

The Myriad operating program is on a data disk stored at Warmington Lodge. A copy should be kept with the station engineer. In the event of an emergency, the program can also be downloaded from the PSquared website. Copies of the Myriad licences should be kept with the station engineer .An external regularly updated backup of Myriad data/files should be kept off-site.

P Watters [July 2012]