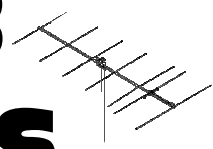




CHANNEL 8 TECH NOTES



Frederick R. Vobbe, VP/Chief Operator—WLIO Lima OH fvvobbe@wlio.com Issue 3

WLIO DT Transmissions

In July 2008, WLIO will be building a new Master Control Room. What this will mean to technicians is that our signals will be interrupted at times, (mostly at night), as we phase out the old equipment and install the new. We expect to be completed by July 30th or 31st. Starting August 8th, NBC will again broadcast the Olympics.

One change we intend to make is that our transmissions will be in 720P. The NBC transmission will always be 16:9 format. We will also be passing Active Format Description (AFD). Two things will change with our transmissions. When we broadcast non-network SD content, we will center cut the transmission and then place graduated backgrounds on the sides with a logo. When we broadcast NBC Network content, NBC will set the correct aspect ratio depending on the show. If you carry our HD signal, or center cut the digital for 4:3 analog retransmission, you should be aware of this.

The following is a list of cable head-end equipment manufacturers that have announced support for AFD. Included are model numbers that each manufacturer has stated will include HD to SD downconversion under the control of AFD. Release schedules of the AFD feature varies by manufacturer, but all will support firmware upgrades for units deployed in the field. Manufacturer's should be contacted for specific details.

Blonder Tongue	AQD-Plus #6244 - ATSC/QAM Demodulator Plus
DTV Exchange	RX-1000, RX-2000
Harris	DDM-840 ATSC Receiver/Demodulator
Ktech	DVM-150E DTV Professional Receiver/Decoder
Miranda	IRD-3801 HD/SD MPEG Receiver/Decoder - ASI+GigE In
	IRD-3811-VQ HD/SD MPEG Receiver/Decoder - ASI and 8VSB/QAM In
Motorola	DSR-6010 Digital Satellite Receiver/Transcoder
RL Drake	DAD860 Decoder
Scientific Atlanta	D9887 HDTV Modular Receiver
Scopus	IRP-3910 Multi-channel HD Downconverter
Sencore	Atlas MRD3187A Modular Receiver Decoder
	Atlas Gear AG-3801 8-VSB/ASI to ASI/SDI Receiver/Decoder Card
	Atlas Gear AG-3802 ASI to ASI/SDI Receiver/Decoder Card
	Atlas Gear AG-3803 8-VSB/ASI to ASI/Composite Receiver/Decoder Card
Tandberg Television	RX8320 ATSC Broadcast Receiver
Wegener	Unity 6000 Professional IRD



I'm will be updating our WLIO.NET web page with new information as we start to make changes.

As the sign indicates, we're less than a year away from WLIO channel 35 going off the air for good. WLIO will still feed Time-Warner Cable a down-converted NTSC signal out of our master control, as well as the ASI stream from our MUX. All other transmissions will be off the air using WLIO-DT channel 8. (183.0000 MHz).