Introduction

- History of work in Radio and TV
- FOSS Free Open Source Software.
- "Radio Station in a Box"
- Emergency Broadcasting
- CRTC and Industry Canada
- Exemption Orders

Experience

- Rural Tagish Yukon
- IT Manager for large Yukon First Nation
- Built communications networks across the north
- Yukon College instructor
- Commercial Broadcaster
- Comes from an inventive family

Block Diagram for Transmitter

Radio and TV Station Setup

Source Material

- Power Supply
- Limiter
- Exciter
- Transmitter
- Transmission Line
- Antenna

Hardware

- Low Cost PCs running Ubuntu
- Linux Servers
- Barix audio boxes
- Crown Transmitters
- Tranzeo\ Ubiquiti STL

Media Formats

Proprietary Formats
- Real
- WMA
- MP3

Copyright Free Formats
- Ogg
- FLAC
- WebM

Software Tools

- Audacity
- Kino
- Gimp
- VLC
- Icecast and DarkIce

OpenBroadcaster

- Web based Radio and TV management
- Music and Video Library
- Manages Play Lists and Shows
- Scheduler
- Logging
- Emergency Broadcasting

Yukon Radio

- CJUC FM Whitehorse

- CFET Radio Tagish

- Carmacks TV

User Stories

- Matt P Experience

- Eesti Pop

- John Fabian and DYR

CRTC Exemption Orders

- Public Notice CRTC 1998-62

- No other stations in operating area

- Not of a religious nature

- Complies with Industry Canada

- Would normally be allowed

Resources

- National Campus and Community Radio Association

- National Campus Community Radio Conference (NCRC)

- CACTUS Canadian Association of Community Television User Groups and Stations.

- www.communityradiofund.org

- www.radioworld.com

Future

- Convergence
- Networked Multimedia
- IPTV
- Video on Demand
- Digital Display Signage

The next steps

Get on Air

- Determine location
- Develop a budget
- Select Equipment
- Train users

Summary

- No license required for some FN
- Involve community with last mile delivery
- Utilize existing radios and infrastructure

Thank-you!

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