

"New" Repeater Refurbishment Project, revised 15-FEB-2007

Evaluate

Clean / Inspect
Verify Operation on Current Frequency
Change from Simplex to Duplex
Verify Duplex Operation

Convert To 147.120

Modify Channel Elements for New Frequencies
Install Equipment in Larger Cabinet
Install Reworked Elements
Tune / Align
Integrate Controller
Basic Controller Programming
Test Operation of Integrated Repeater / Controller

Controller Programming

Review Controller Capabilities
Decide on Capabilities to be Used
Program Those Capabilities
Test Operation of Repeater / Controller
Document Operational Procedures for Control Operators
Trustee Communicate New Procedures to Control Operators

Control of Controller

In-Band (VHF) Control Testing
 Verify Operational Procedures Behave as Expected
Out-Of-Band (UHF) Control Testing
 DECISION: Do We Get a UHF Radio for Out-Of-Band Control?
 Integrate UHF radio
 Verify Operational Procedures Behave as Expected

Installation at Mountain Site

Schedule 147.120 Downtime
Disconnect "Old" Repeater
Connect "New" Repeater
Test Repeater Operation
Test In-Band Controller Manipulation
Test Out-Of-Band Controller Manipulation
Return 147.200 to Service

"Old" Repeater Refurbishment Project

Plan New Project to Refurbish "Old" Repeater

Fund Plan

Execute that Project