



*Wyoming's Statewide Public-Safety Interoperable
Radio Communications System*

**Wyoming Department of Transportation
5300 Bishop Blvd, Cheyenne, Wyoming 82009 USA**

MEMO

Date: December 26, 2004
From: Tom Mahon, WyoLink Project Manager
To: WyoLink Mailing List
Subject: WyoLink Status Report

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WyoLink is Wyoming's statewide public safety interoperable radio communications system.

TOPICS IN THIS REPORT:

- 1) FCC Issues Clarification on Narrowband rule

The FCC has posted the following clarification of proposed rules related to the transition to narrowband. This ruling impacts Wyoming Public-safety users in that it is one of the issues pushing the transition to WyoLink.

Please note that decisions and final rule making is still up in the air. However, this transition is going to happen.

I. INTRODUCTION

1. In this Third Memorandum Opinion and Order and Third Further Notice of Proposed Rule Making and Order ("Third MO&O," "Third Further Notice," and "Order," respectively), we address eighteen petitions for reconsideration of the rules adopted in the Second Report and Order in this proceeding to promote migration to narrowband (12.5 kHz) technology in the private land mobile radio (PLMR) services. We also seek comment on a proposal to defer or eliminate the requirement in Section 90.203(j)(5) of our Rules that certain applications for equipment authorizations received on or after January 1, 2005 specify 6.25 kHz capability. In addition, we stay the January 1, 2005 date pending resolution of the issues raised in the Third

Further Notice.

2. The major decisions in the Third MO&O are as follows:

- For licensees in the Industrial/Business Radio Pool operating in the 150-174 MHz and 421-512 MHz bands, we affirm the Second Report and Order's January 1, 2013 deadline for migration to 12.5 kHz technology, or a technology that achieves the narrowband equivalent of one channel per 12.5 kHz of channel bandwidth (voice) or 4800 bits per second per 6.25 kHz (data) if the bandwidth for transmissions specified in the modification application is greater than 12.5 kHz.

- For Public Safety Radio Pool licensees operating PLMR services in the same bands, we also establish a January 1, 2013 deadline for migration to 12.5 kHz technology, or a technology that achieves the narrowband equivalent of one channel per 12.5 kHz of channel bandwidth (voice) or 4800 bits per second per 6.25 kHz (data) if the bandwidth for transmissions specified in the modification application is greater than 12.5 kHz.

- We revise the interim dates established in the Second Report and Order as follows:

- Applications for new operations using 25 kHz channels will be accepted until January 1, 2011. After January 1, 2011, applications for new operations using a bandwidth greater than 12.5 kHz will be accepted only to the extent that the equipment meets the spectrum efficiency standard of one channel per 12.5 kHz of channel bandwidth (voice) or 4800 bits per second per 6.25 kHz (data).

- Applications for modification of operations that expand the authorized contour of an existing station using 25 kHz channels will be accepted until January 1, 2011. After January 1, 2011, applications for modification of operations that expand the authorized contour of an existing station will be accepted only to the extent that the equipment meets the spectrum efficiency standard of one channel per 12.5 kHz of channel bandwidth (voice) or 4800 bits per second per 6.25 kHz (data) if the bandwidth for transmissions specified in the modification application is greater than 12.5 kHz.

- Manufacture and importation of any 150-174 MHz and 421-512 MHz band equipment operating on a channel bandwidth up to 25 kHz will be permitted until January 1, 2011. After January 1, 2011, manufacture and importation of any 150-174 MHz and 421-512 MHz band equipment operating on a channel bandwidth greater than 12.5 kHz will be accepted only to the extent that the equipment meets the spectrum efficiency standard of one channel per 12.5 kHz of channel bandwidth (voice) or 4800 bits per second per 6.25 kHz (data).

- We revise our Rules to permit applications for certification of equipment received on or after January 1, 2005 operating with a 25 kHz bandwidth, to the extent that the equipment meets the spectrum efficiency standard of one channel per 6.25 kHz of channel bandwidth (voice) or 4800 bits per second per 6.25 kHz (data). However, we stay the January 1, 2005 deadline with respect to certification of equipment in the Order, pending resolution of the issues raised in the Third Further Notice.

- We revise our Rules to exempt Part 90 paging-only frequencies from the narrowbanding requirements.

3. For Commission licensees operating in the Federal Government bands 150.05-150.8 MHz, 162.0125-173.2 MHz, and 173.4-174 MHz, we recognize that a separate ongoing proceeding – ET Docket No. 04-243 – is addressing whether different narrowbanding requirements are needed to account for the Federal Government's own narrowbanding plans in those bands. Accordingly, we recognize that the decisions we adopt herein are subject to further modification with respect to those bands and defer decisions with respect to those bands where appropriate.

FULL TEXT IS AVAILABLE AT:

Word format http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-04-292A1.doc

PDF format http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-04-292A1.pdf

Thank you for your continued interest in and support of WyoLink, Wyoming's Statewide, Public Safety, Interoperable, Radio Communications System.

Tom Mahon, WyoLink Project Manager

307-777-3922 (voice)

307-777-3927 (fax)

Tom.Mahon@dot.state.wy.us

<http://WyoLink.state.wy.us>