

Business Radio

FCS Regional Meeting, Manchester
9th March 2011

Kevin Delaney

Items for discussion

- Providing spectrum for 6¼kHz PMR equipment
- Investigation into analogue/digital sharing
 - CTCSS tones
- Increase in applications for 25kHz spectrum

Providing spectrum for 6¼kHz PMR equipment

- Spectrum available in Mid band, UHF1, UHF2
- Create four channels from 25kHz channel
 - Original channel still available
 - Assigned on a Technically Assigned/Area Defined basis
- MASTS system will cater for both when considering potential assignments
- Potential new spectrum around 467MHz
 - On board ship communication channels, 25kHz simplex
 - Primarily to be used for onsite assignments, maximum two watts
- Create 6¼ channel plans from 25 and 12½ channel plans

6¼ spectrum cont. licence applications forms

- Not yet published
- Change to Technically Assigned and Area Defined forms
- Addition of checkbox for 6¼kHz
- Optional box for indicating whether system is analogue or digital
 - If digital is it FDMA or TDMA
- Feedback please

Investigation into analogue/digital sharing

- Can digital radios be set to be more analogue friendly?
 - Aggressive capture of channel
- Should CTCSS tones block digital signal
- Does this affect TDMA and FDMA
- Major implications for Ofcom if dedicated digital spectrum required

Increase in applications for 25kHz spectrum

- Simplex use
- DGPS and Asset Tracking
- Maritime use
 - tracking vessels and wind farm installations
- Limited supply but currently we can meet demand