

## Frequency Spectrum Changes

ACMA, the Federal Government authority for radio communications, has mandated that 400 MHz band radio channel licences be narrow banded by 31st December 2012 in high-density areas and 2015 for medium and low-density areas.

Narrow banding is the process of changing licence conditions and the physical operating bandwidth of radio equipment from 25 KHz channels to 12.5 KHz channels.

These legislated changes to the radio spectrum can cause confusion for radio system owners and users alike.

Industry and end users must meet legislated changes including technical upgrades, physical change and user cultural change to the timetable that the legislating body stipulates. Lack of compliance will place other spectrum users at risk and the system owner can suffer severe penalties by non-compliance.

Many users and system owners often find it difficult understand the technical and legislative requirements of radio licensing, much less the technical language that the government use in communicating of spectrum changes. Confusing the issue even more is the inclusion of multiple timeframes for different regions, user groups and technologies as part of spectrum changes.

The industry, and end users in particular, are faced with changes to their system and how they use their equipment as a result of spectrum changes. This can have a positive affect as it can trigger an opportunity to make long needed upgrades of equipment, band plans and the like.

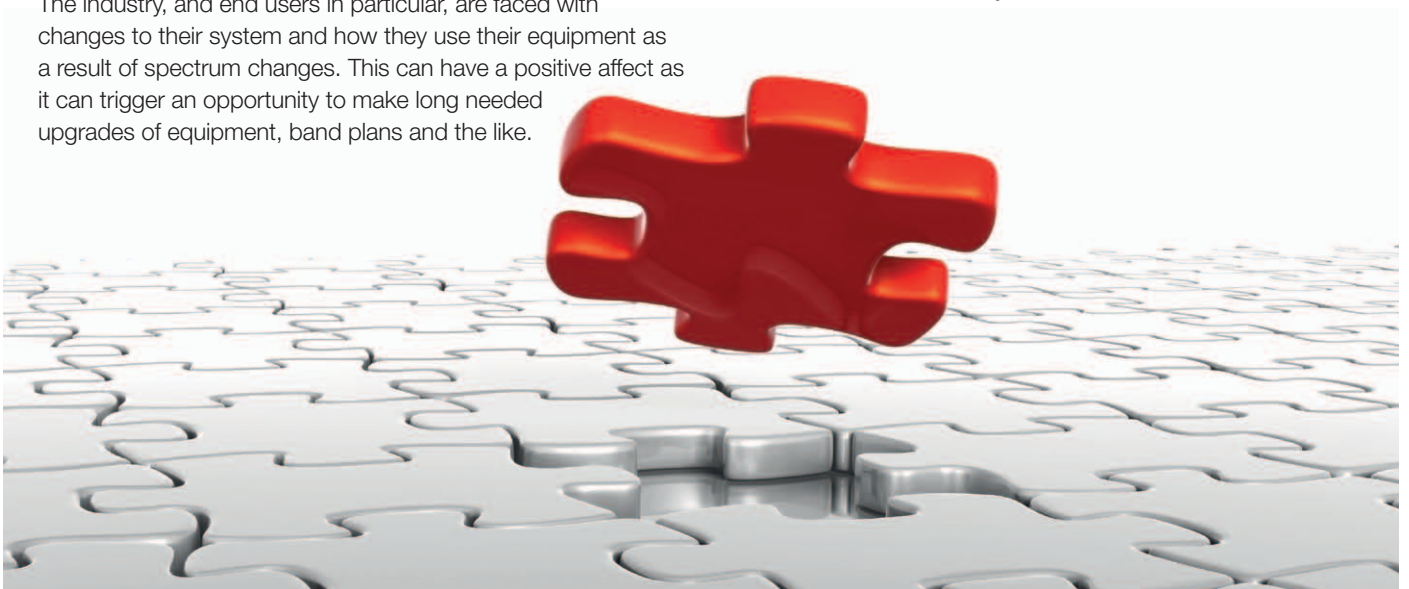
AA Radio has over 40 years of experience in vertical markets including mining, international systems, government users, heavy industrial and safety of life organisations and understand the differences in these users and the resultant varying effects that spectrum changes have on them.

Members of the AA Radio team have worked for the government authority and are qualified and experienced in understanding the 'real' requirements of the changes and are able to simplify the issue for the end users.

By the end of 2011, AA Radio would have successfully completed several narrow banding projects with additional projects pre booked for early 2012.

AA Radio maintains process driven project and engineering management regimes tailored exclusively for each project we deliver. We work closely with our customers to understand their operational and business requirements.

AA Radio, design, measure, report, manage and deliver Frequency Spectrum Change Projects by applying our guiding core values to all that we do. We deliver quality outcomes in a professional and caring manner. Our progressive and creative approach to our business ensures AA Radio continues to deliver excellence in radio systems solutions.



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