

# CERCETĂRI ȘI CONTRIBUȚII PRIVIND STANDARDELE DAB DE TRANSMISIUNE RADIO, GESTIUNEA MULTIPLEXULUI ȘI EFECTELE REGLEMENTĂRILOR ÎN DOMENIU

## RESEARCH AND CONTRIBUTIONS ON THE DAB RADIO BROADCASTING STANDARDS, MULTIPLEX MANAGEMENT AND REGULATORY EFFECTS

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**Abstract:** The DAB family of standards is the most globalized of all digital radio systems. Exclusive trust in DAB for the digitization of analog audio transmission has raised a number of important issues with the provision of digital radio services. Although there are various sources of market fragmentation, part of the problem lies in the fact that there is no cost-effective solution to cover the areas. This article shows why broadcasters, equipment manufacturers and consumers have so far failed to adopt this new cost-effective, consumer-friendly and easy-to-use technology after analyzing how the standard has been implemented in several countries. The complete migration of analogue services to digital radio, if ever, would probably still be a long and tedious journey, due to the risks and uncertainties imposed by other content platforms. The objective to be pursued for the regulatory and control institutions in the field and the digital radio industry is to shorten and straighten the road. In fact, the radio needs much longer digitization than television, and in some EU states the digital radio has not yet passed the test stage. Of course, there are several reasons for this, maybe one key is the relative economic scale of the radio compared to richer platforms such as television, mobile telephony and the Internet. If market failure prevents market players from converting to a better standard, there are regulatory possibilities. Governments however have not contributed much to these political debates

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