

# MODERN PROGRESS OF BROADCASTING TECHNOLOGIES

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A generalized analysis of the current progress of television, sound and multimedia broadcasting technologies is presented. The picture of progress of television systems, audio production systems and multimedia broadcast applications is presented. The analysis of the current state and technical progress of the DVB, ATSC, ISDB and DTMB television broadcasting systems, sound broadcasting systems and multimedia broadcast technologies based on broadcasting on mobile terminals is given. The analysis of the current state and possible trends in the progress of image and sound compression systems used in broadcasting applications is given. The estimation of the current state of planning and construction of broadcasting systems and networks is given. The generalized description of the requirements for receiving equipment of broadcasting networks is given. The estimation of a modern status and progress of systems of estimation and management broadcasting quality is given.

**Keywords:** broadcast technologies, television broadcasting, sound broadcasting, multimedia broadcasting, image and sound compression, broadcast planning, broadcasting quality estimation, broadcast quality management