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DEVELOPMENT OF A SUPPORT SYSTEM FOR THE TELEVISION MIGRATION PLAN FROM
ANALOGUE TO DIGITAL IN ANGOLAN TERRITORY

Abstract

Analog television system has less noise immunity, requires a greater spectrum of bandwidth, which implies few open signal television channels, still, it has a high implementation cost to cover all blind areas of a given territory due to the quantity necessary relay ground stations. The development of a support system for the television migration plan from the analogue to the digital system in the Angolan territory has great virtues in terms of greater immunity to noise, which implies the good quality of the received television signal, reduces the requirement to have a higher bandwidth, as digitalization allows the application of data understanding techniques, thus allowing a larger spectrum to transmit many open signal television channels. This support system is characterized by the use of a communication satellite as a relay element that will provide national coverage of the signal and eliminating the probability of having blind areas. Digitization will provide the reuse of the analog television spectrum for other telecommunications services.