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National Arms Control and Disarmament Authority (ANCAD) framework for implementing the Treaty

The present summary is a small contribution of the National Authority for Arms Control and Disarmament (ANCAD) to the Comprehensive Nuclear-Test-Ban Treaty Organization (CTBTO) Science and Technology Conference. This work is intended to be the beginning of the development of ANCAD research in the area of monitoring technologies linked to CTBTO. Within the scope of the Comprehensive Nuclear-Test-Ban Treaty (CTBT), the work includes monitoring seismology data (seismic profile of Angola), recent events and ANCAD's experience in installing the National Data Centre (NDC) in Angola. We believe that this work will promote global security and contribute to the implementation of confidence building measures recommended by the Treaty. In this paper, we present a case study of event detection, classification and interpretation of data obtained at the National Data Center. In this work, we present initial results of the detection and localization of seismic analysis of seismic waves recently obtained at the NDC. We believe that this work will provide a greater understanding of the implementation status of the CTBT and reinforce the existing measures for the implementation of the same Treaty taken by ANCAD.

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