

needed (a non-trivial task, in some cases). Any monitoring system must safeguard intellectual property, must be carefully designed and chosen, must be properly installed and checked-out, and must be properly maintained and calibrated. Trained professional inspection teams will be needed to perform this wide variety of functions. In addition, the development of qualifications for the inspectors and an appropriate training curriculum needs to be developed if the verification system is to become effective. Substantial work remains to develop such verification systems so that they have the proper combination of features to protect sensitive or proprietary information, collect data needed to assure compliance with the Convention, can be operated reliably by the Technical Secretariat, and are inexpensive enough to be procured in the quantities needed. At best, it will probably take several years to identify necessary technologies and develop specialized hardware for an effective monitoring system for all recognized sites. The proper combination of inspectors and instruments needs to be fully explored for maximum effectiveness of the verification system. That work should take into account many factors or dimensions--some of which are enumerated in this paper.