

A correlation analysis of projects, methodological options and IVO functions was then carried out and led to the creation of the lists in Appendices 1 to 3, illustrating all of the alternative verification schemes which are applicable to each of the projects within the programs of "Chemical Weapons", "CW Production Facilities" and "Activities not Prohibited".

The next step involved the documentation and formulation of restrictions, including physical restrictions, state-imposed restrictions, and logical arguments indicating inherent flaws in those schemes which could not adequately satisfy the verification requirements of the Convention. The purpose of developing such sets of restrictions was to eliminate unsuitable alternatives, by applying restrictions to each project separately, and to aid in ranking the remaining verification schemes. These identified restrictions were applied to the lists in Appendices 1 to 3. The result was the creation of a series of condensed lists of suitable options for each of the projects under Programs 1 to 3 (see section 3.7).

The "potential solutions" described in section 4.0 indicate practical interpretations of the results of the systems study, i.e., they provide detail and flesh to the skeleton of text, correlating projects with 'best-choice' verification schemes, from section 3.7. It must be emphasized that the solutions presented are not unique solutions, but they are the result of a rational investigation of the various verification tasks. The process applied allowed enumeration of the inspection requirements of a Technical Secretariat.

The program of "Challenge Inspection" (see section 5.0) was not dealt with as part of the systems study of this paper for two reasons. First, because challenge