

Anti-proliferation—a term coined by Dr. Brad Roberts—combines political, economic and military elements into an integrated strategy that includes diplomatic and military responses to the reality of a world in which proliferation is slowly progressing. It emphasizes co-operative approaches to international security problems associated with proliferation.

Proliferation is the diffusion of weapons, associated knowledge, or expertise that produces an adverse effect on local, regional or global stability and security. In many analyses, *proliferation* of weapons refers to the adverse diffusion of nuclear, chemical, biological and advanced conventional weapons and the advanced delivery systems for such weapons, such as ballistic missiles, cruise missiles and modern aircraft.

Synergies are the multiplier effects associated with the combination of separate elements; when combined, the total effect is greater than the sum of the effects taken independently. This study analyses the synergies among arms control verification, confidence-building measures and peace operations, and concludes that the appropriate combination of methods, techniques, regimes and organizations associated with these processes will produce an effect greater than that of the processes taken independently.

In the context of arms control verification, confidence-building measures and peace operations, **transparency** is the voluntary or involuntary, formal or informal sharing of information that makes an event, activity or pattern of behaviour more clear, open and predictable.

Verification is the establishment of the truth or correctness of an assertion, data, situation, etc., by examination or demonstration. Arms control verification can include the determination of compliance with existing agreements; policy decisions about what constitutes adequate or effective verification; the design and negotiation of regimes to meet security requirements; the implementation of verification provisions of

completed agreements; and the determination of appropriate responses to ambiguous situations or to clear-cut non-compliance with specific provisions of the agreement. Verification measures include NTM, ITM, MTM and NIM, data exchanges, notifications, and on-the-ground and / or aerial inspections. With the exception of NTM and NIM, co-operation of the parties participating in arms control verification regimes is essential for the success of the agreement.

