

Contents

	<i>Page</i>
Summary.....	1
Points of General Agreement.....	1
Points of Disagreement.....	4
Topics for Further Research.....	5
Opening Statement by Senator Larry Pressler.....	7
Overview.....	9
Organizing Discussion.....	9
Discussion Focuses.....	9
Residual ASAT Capability.....	10
Comparison of U.S. and U.S.S.R. ASAT Weapons.....	10
Military Role in Space.....	11
ASAT Attack Scenarios and Potential for Escalation.....	12
Connections Between ASAT and Ballistic Missile Defense.....	13
Prospects for Verification.....	13
“Rules of the Road”.....	13
Present Technology.....	14
Descriptions, Pros, and Cons of Possible Agreements.....	15
Focuses and Philosophies.....	15
Philosophical Differences.....	16
ASAT Limitation Treaties.....	16
ASAT Arms Control Pro Arguments.....	17
ASAT Arms Control Con Arguments.....	18
ASAT Weapon: Pro Arguments.....	19
“Rules of the Road”.....	20
General Discussion.....	22
Grandfathering Existing Systems.....	22
U.S. ASAT Requirement.....	22
Limitations of ASAT Accords on BMD Development.....	23
Urgency.....	23
Soviet Attitudes and Efforts.....	25
Military Efforts.....	25
Past Development and Present Status.....	25
Speculation on Future Developments.....	25
Diplomatic and Political.....	26
Soviet Perceptions.....	26
Possible Policy.....	26
U.S. Attitudes and Efforts.....	29
Background.....	29
Dependence on Space Systems.....	29
Anti-Satellite Systems and Negotiations.....	29
Present Policy.....	29
ASAT Arms Control.....	30
Arms Control in General.....	30
ASAT, BMD, and the 1972 ABM Treaty.....	33
Review of 1972 ABM Treaty.....	33
Purpose.....	33
Definitions.....	33
Major Provisions.....	34

Contents—Continued

	Page
Connections Between ASAT, BMD, and the ABM Treaty	35
Technologies	35
Roles	36
Perceptions	36
Draft ASAT Treaties.	36
Treaty Wording	37
Verification Issues.	39
Caveats	39
Goals	39
Levels of Verifiability.	39
Factors in Verification of ASAT Arms Control	40
Complications	40
Simplifications	41
Verification Particulars.	42
Direct Interception.	42
“Space Mines”	43
Directed Energy Weapons	43
Spoofing, Jamming, or Otherwise Interfering With the Operation of Systems Using Satellites	44
Cooperative Verification Measures	44
Appendix A-Survivability of Space Capability	49
Appendix B-Compliance With the 1972 ABM Treaty	51
Appendix C-ABM Treaty and Related Documents	53