

<b>IAA Study Group 5.10—CHAPTER OUTLINE</b>		
<b>CHAPTERS</b>	<b>AUTHORS</b>	<b>NOTES</b>
<b>Chapter 1-Background</b>	<b>Coord: C. Mathieu/C. Bonnal</b>	
a) The orbital debris problem and why active debris removal (ADR) will help	<i>C. Mathieu, C. Bonnal</i>	
b) On-orbit servicing (OOS) and its relationship to space debris and ADR	<i>MYS Prasad</i>	
c) Limits of ADR for remediation; role of collision avoidance	<i>D. McKnight</i>	
d) Space sustainability as an important goal	<i>C.Mathieu/ R. Williamson</i>	
e) Short summary of technical proposals and issues (viz. summary of Debris Remediation Study – Study Group 5.5	<i>H. Klinkrad</i>	
<b>Chapter 2--Today's Approaches &amp; Outlook</b>	<b>Coord:</b>	
a) Current approaches to debris remediation		
b)		
c) Study scenarios as a basis for analysis	<i>D. McKnight</i>	
<b>Chapter 3--Political/Policy Issues</b>	<b>Coord: R. Williamson</b>	
a) Summary of Issues		
1. Countries see outer space technology as source of technological development	<i>M. Simpson</i>	
2. ADR & OOS can be used as dual use technologies		
3. Great reluctance to limit freedom of maneuver in space	<i>R. Williamson</i>	
b) Relationship of current space sustainability efforts to ADR/OOS	<i>B. Weeden?</i>	
c) Building transparency & confidence building measures for ADR	<i>B. Weeden?</i>	
d) Potential contributions by less developed countries	<i>R. Williamson</i>	
<b>Chapter 4: Legal issues</b>	<b>Coord: J. Smith/</b>	
a) Introduction		
1. Definitional issues	<i>F. von der Dunk</i>	
2. Value of codes, informal agreements		
3. Legal differentiation between ADR vs. OOS		
5. Possible analogies to other legal regimes.	<i>S. Hobe</i>	

4. Question of salvage	<i>M. Simpson</i>	
a)		
b) Property rights	L-J. Smith	
c) Insurance/legal issues		
d) What new laws/ agreements (international/domestic) might be needed?	Ram Jakhu	
<b>Chapter 5: Economic Issues</b>	<b><i>Coord: ??</i></b>	
a) Introduction		
1. Little economic incentive to remove debris		
2. Economics of OOS and ADR	T. Yasaka	
3. Role of private sector in tackling the debris issue through ADR		
b) Questions of risk vs. costs		
c) Insurance issues; 3rd party liability		
d) OOS as means to ease economic hurdles of ADR	T. Yasaka	
e) Economic/policy/legal approaches	<i>C. Bonnal</i>	
<b>Chapter 6: Conclusions and Recommendations</b>		
a) Conclusions		
b) Practical options for consideration		
c) Other categories?		