

Space Policy Issues

- Talking Points -

15 June, 2010

Space Policy Issues - 1

- **Satellite Keep-Out Zones**
- **Most Threatening Regions of Space / Space Choke Points**
- **Space Weapon Definition and Verification**
- **Space Weapon Use Verification (Natural or Intentional?)**
- **Space Weapon Country of Origin Verification**
- **Linkage of Space Weapon Use and Terrestrial Military Actions**
 - **Can Pre-Conflict Maneuver of Space Weapons Predict / Prevent Terrestrial Conflicts?**
 - **Red Country Use of Space Weapons Causes Blue Country Terrestrial Retaliatory Attacks / Embargos**

Space Policy Issues - 2

- **Space Weapons Causing Space Debris**
- **Temporary Satellite Disablement vs. Permanent Destruction**
- **Red Use of Neutral Satellites (i.e. INTELSAT Consortium)**
- **Red Use of Blue Satellites (i.e. GPS)**
- **Grand Strategy for Military Warfare in Space**
- **Allied Involvement with Blue Use of Space Weapons**
- **Space Escalation Ladder Control**
- **Space Principles of War**

Space Policy Issues - 3

- **Measuring the Value of Space and the Implications of Its Loss**
- **National and Military Objectives of Space Warfare and How to Measure Their Success**
- **Is There Political Will to Conduct Space Warfare?**
- **Covert vs. Overt Use of Space Weapons**
- **Balance of Offense vs. Defense in Space Warfare**
- **Attacking Only Space-Related Terrestrial Targets vs. Space Targets**
- **Ground-to-Space Weapons vs. Space-to-Space Weapons**

Space Policy Issues - 4

- **Are We Setting the Time, Place and Terms of the Space Battle?**
- **Are Space Weapons Use Synchronized With Terrestrial Battles?**
- **Maximize Blue Freedom of Action in Space While Minimizing Red Freedom of Action**
- **Country Does Not Have Adequate and Detailed Space Warfare Doctrine**
- **Deterrence Value of Known Space Weapons**
- **Space Rules of Engagement**
- **Need for Space Warfare Alliances / Mutual Defense Treaties**

Space Policy Issues - 5

- **State Department Involvement with Preliminary Space Weapons Conceptualization, Design and Implementation**
- **Individual Military Branches Roles and Responsibilities In Space Warfare**
- **Degree of the Need to Destroy Red Space Infrastructure During Conflicts to Delay His Ability to Re-Attack Sooner than Later**
- **Use of Space Embargos (Similar to Sea Embargos?)**
 - **Deny Red Ability to Launch New Satellites**
 - **Deny Red Ability to Control / Access Current Satellites (Jamming, Cyber Attacks?)**
 - **Fix Red Space Assets Into Quiescent State Until Satellite Attack Country of Origin Is Verified**

Space Policy Issues - 6

- **Demonstration Attacks**
 - **Destroy Derelict Space System To Show Real Space Control Capability & Willingness To Use It**
 - **Covert Space Control Capability Can Actually Be Used To Cover for Weak Overt Capability**
- **Balance of Denying Red Use of Space Assets vs. Blue Requirements to Collect Intelligence on Those Very Same Assets vs. Precise Space Weapons Use to Force Info Along Selected, More Easily Monitored, Paths**
- **Cyber Warfare Use In Space Warfare (Both Terrestrial Space Assets and Satellites)**
- **Use of Subtle Space Control Weapons Pre-Conflict That Decrease Red Confidence In Their Satellites' Capabilities**

Space Policy Issues - 7

- **Use of Space Control Weapons Pre-Conflict to Show Resolve and Prevent Terrestrial War**
- **The Hidden Nature of Space Warfare**
 - **Major Space Warfare Can be Conducted Without Public Knowledge**
 - **Provides Additional, More Subtle Rungs on Conflict Escalation Ladders**
- **Subtle, Non-Attribution Disruption of Gray Space Assets During Conflict to Send a Message to Gray to Not Allow Red to Use Their Systems, Or More Severe Attacks Will Follow**
- **Surgical Nature of Space Weapons to Deny Red Use of the Same Assets That Blue and Gray May be Using (i.e. International Communications Satellites)**

Space Policy Issues - 8

- **Defense of Key Launch Corridors and Orbits Critical to Blue Conduct of War (Space Centers Of Gravity)**
- **Prepositioning Blue Space Weapons to Maximize Their Effectiveness at the Start of the Conflict While Dispersing Those Blue Space Assets that May be Vulnerable**
- **All-Out First Attack (Shock and Awe) or Gradual Escalation (Conflict Escalation Ladder Control) of Space Attacks**
- **Country's Ability to Prevent Surprise Attacks in Space (Space Situational Awareness)**
- **Space Control Useful Pre-Conflict (Pre-ATO) to Confuse Red, Warn Gray and Show Resolve Without Affecting Public Emotions**