AirSpace Power

“A complex of Aerospatial Capabilities for Homeland Defence, Security and to safeguard National Interests”

AP and JISR

“DO MORE WITH LESS”

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AGENDA

– A new Scenario
– Strategic vs tactical Intelligence
– Air/Space Power Peculiarities
– Constrains vs opportunities
– Conclusions
VISION/MISSION

INSTABILITY

NEED OF INFOS CUSTOMIZED FOR POLITICAL AND MILITARY DECISION MAKERS AND WARFIGTERS

ISR

Airspace Power BEST FULLFILL ISR RQMTS

BEST VALUE FOR MONEY PRACTICES

UNCLASS
AP and JISR
A new scenario

4° & 5° generation conflicts
Intelligence Intense scenario
**Airspace Power and ISR**

**WHY we need an ISR / Persistent ISR**

1. Rapidly provide decision makers with fused intelligence for updated clear strategy

2. Rapidly provide Warfighters “actionable” fused intelligence they can act on

........Rather than proliferating a multitude of systems that may only bury users in data (BIG DATA).
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**Surveillance & Reconnaissance** = an answer to the what, where and when.

**Intelligence** = the fusion of different intel. Discipline to answer the how and why.

Info sharing superiority

Cyber OPS

Information superiority, enabled by enhanced command-and-control, fused all-source intelligence, and dominant battlespace awareness will provide improved targeting information directly to the most effective weapon system.
SMART ISR = EFFICIENT ISR

• AMATEURS ISR: CONCENTRATE ON ISR COLLECTION

• PROFESSIONALS ISR: CONCENTRATE ON PROCESSING, EXPLOITATION DISSEMINATION (PED) AND FUSION TO MAKE SENSE OF BIG RAW DATA
Airspace HARD POWER vs airspace SMART POWER
«the enterprise advantage»

The inexorable growth in access rates

**HARD POWER (legacy tec.)**
- speed
- agility
- maneuverability
- sustainability
- no involvement

**SMART POWER (new tec)**
- Low observability/stealth
- Big data collection/analysis/diffusion
- capacity processing
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**Constrains**

- Inter-agency, Joint/Common strategy and doctrine
- Central planning decentralized execution
- Better «industry-warfighter» team work (operational requirement meets the technology enablers) = savings money and time;
- Technology readiness levels (TRL) lower than 9 (save money/time… 90% on time is better than late 100 %)
- OTE system prototype in an operational environment
- COTS equipment…decrease cost and improves interoperability
- Joint/interoperability among system…same standard/protocols…..training
- Robust and cyber resilient common “Info-sharing” Infrastructure
- Common Share Data-servers
- Inter-agency /Alley /Joint contributions/Smart Defence

**Opportunities**

- Inter-agency, Joint/Common strategy and doctrine
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DOMANDE/QUESTIONS ???