

Future internet Workshop – Brussels, June 2010
Services for the Citizen:
The role of Secure Satcom Systems

John Ashworth

22 June 2010

All the space you need



Representative scenarios for Future Internet: e-Government and public service provision

- **Critical infrastructure protection**
 - Hybrid Terrestrial/satellite sensor-based infrastructure
 - Resilience and Security
- **Bridging the Digital Divide**
 - Seamless data transport mechanism
 - Service provision adapted across a range of communications capabilities
 - Service delivery both in Smart Cities and to remote rural communities
- **Pan-European Service Experiments**
 - Use satellite to bridge disparate user communities
 - Varying levels of IT infrastructure
 - Diversity of user sophistication, legal constraints, etc.

Innovative technologies and core platform provisions

- Specific characteristics for e-Government and services to the citizen
 - Security; privacy
 - Reliability and resilience; availability
- Technology implications
 - Policy-based network management
 - Policy-based security interworking
 - Resilient virtualisation: failover, adaptation, ubiquity
- Core platform to offer mix of transport mechanisms and management architectures to support these functions

Experimental environment and Astrium's capabilities

- Environment must explore service offering across a range of user communities:
 - Remote communities with poor communications infrastructure
 - Smart Cities
 - Various legal frameworks
 - Local, regional, national and pan-European service offerings
 - Important to involve Social Science expertise in assessing user experience, socio-legal aspects, economic drivers/constraints, etc.
- EADS Astrium capabilities
 - Satellite-based resilient and secure communications infrastructure provision
 - Both system developer/supplier and service provider
 - Strong links with governmental service-providers and user communities