

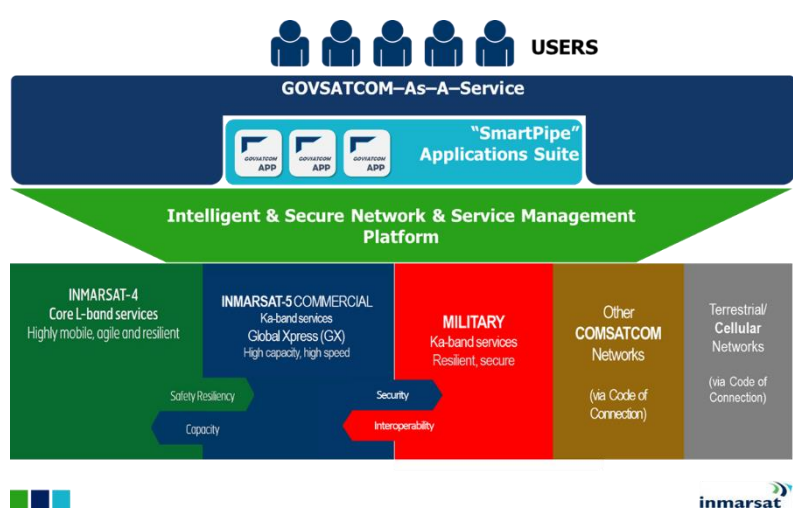


Key features

1. An innovative approach to service provision via the GOVSATCOM Managed Services Platform – a combination of technologies, processes and resources to implement dynamic “pooling & sharing” of SATCOM services.
2. A certifiable security architecture and overlay to support secure communications on a global basis.
3. An integrated access Point-of-Presence (PoP) intended to be located at one or more sites in each EU member state to provide autonomy and secure access to the platform.
4. SATCOM terminal solutions to connect remote sites and users to the core service supplier networks allied with access to secure applications and services for end-user missions.
5. Private “smart” networks capable of cross-connecting different global commercial and national space assets, terrestrial networks and different user communities across national boundaries.
6. Satellite coverage with options of services and hardware in a variety of SATCOM frequency bands.
7. Future proofing to include new networks and satellites via standardised common interfaces.

PACIS-6 GOVSATCOM Precursor

As part of the *European Space Agency* GOVSATCOM Precursor Programme an Inmarsat-led consortium, comprising partners CGI UK, AnsuR of Norway, Teamnet WPS of Romania, and other third party SATCOM operators, is developing and demonstrating an intelligent, secure end-to-end network management and service platform. Its prime function will be to federate available SATCOM services and applications, including those provided by third-party suppliers, to meet extended mission communications requirements of EU institutional users throughout a global coverage area.



Overlaying the intelligent and secure network and service management platform will be an implementation of the **“SmartPipe” Applications and Services Suite**. It provides access to third-party value-added services for end user/mission organisations. These applications can be general such as a content management systems, or specific to a market vertical such as UAV surveillance imagery processing or crisis management planning and operational tools.

Application integration options are tailored to the application and desired level of information security and sovereignty. The SmartPipe Suite provides an opportunity for third party providers to offer their applications and services into the GOVSATCOM marketplace via a secure delivery platform.

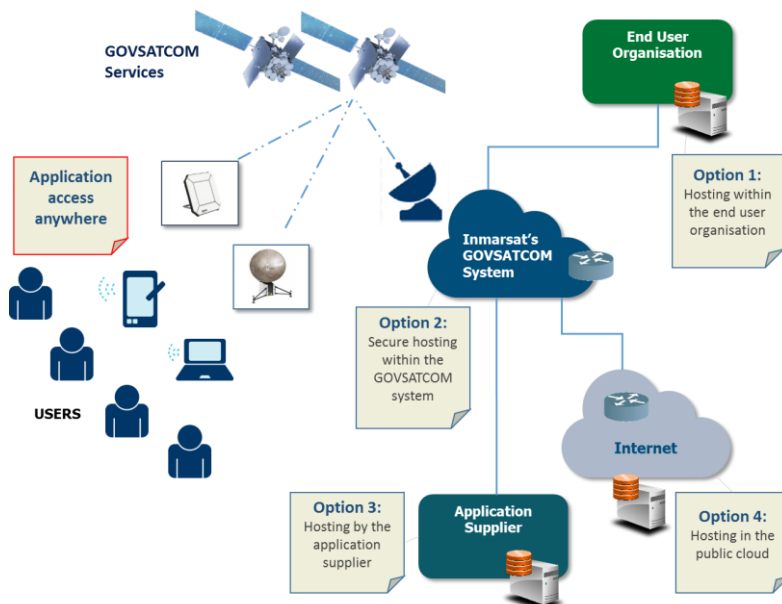


Opportunities for Applications Integration

As well as providing the secure satellite communication capability needed to enable application services for our users, the system allows for various hosting options for services and downloads, for example:

- ▶ **Option 1:** Application service hosting within the end user/mission organisation network. The end user organisation retains control of their data if this is important to them.
- ▶ **Option 2:** Secure hosting of application services and app downloads within our platform. The service and security is assured by our service organisation.
- ▶ **Option 3:** Hosting of application services by the supplier.
- ▶ **Option 4:** Hosting of application services within the public cloud, access to cloud services.

The option chosen for a given application service hosting will depend upon factors such as its architecture, level of assurance needed for the service and its security, also the protection and sovereignty required by the end users for data at rest.



How to get involved

- ▶ The PACIS-6 project is running an initial set of **Sprinter Demonstrations** during 2018 and potentially in 2019. These demonstrations will follow mission scenarios for government SATCOMs to showcase how SATCOM services may be pooled and shared to the benefit of end-user/mission organisations and how applications and services may be delivered via the service delivery platform to support end-user missions.
- ▶ During 2020 Inmarsat will roll-out a prototype GOVSATCOM precursor service infrastructure and execute a series of **Mission Demonstrations** aimed at showcasing the delivery of federated SATCOM services and associated applications /services. Applications provided by third parties may take advantage of the service provision infrastructure in an integrated manner.
- ▶ Interested applications providers can engage with the PACIS-6 project at Inmarsat to determine how their applications/services can be demonstrated as part of the Sprinter and/or Mission Demonstrators, potentially taking advantage of the opportunities presented by federated, pooled & shared SATCOM services.
- ▶ **Sprinter Demonstrations** can be implemented in a simulated context and/or may take advantage of over-the-air SATCOM services for those applications that could require "in-the-field" demonstration. The prime areas of focus at present, extendable in future depending on potential demand from application providers, are:
 - Applications Delivery Platform
 - SATCOMs in Air Operations
 - Video/Photo Imagery from UAV Platforms
 - Crisis Management & Civil Protection

Find out more

Inmarsat will be making available Sprinter Demonstration opportunities during 2018/2019 and Mission Demonstration opportunities during 2019/2020. Please contact our GOVSATCOM PACIS-6 team for further information about how you can get involved with the PACIS-6 programme of work:

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