

## 1.7 Wireless and Special Services [L.34.1.7]

The offeror shall describe the means by which the requirements for the mandatory Wireless and Special Services specified in Section C.2 Technical Requirements will be satisfied.

***Agencies receive a comprehensive services portfolio through AT&T's partnerships with industry leaders in Wireless and Special Services. As a single-point of contact, AT&T frees the Agencies from the complexities associated with Special Services.***

Mobility service provides the Agency personnel with the ability to remain connected when remote. To more effectively complete their missions, Agency personnel will be asked to work away from the office. Mobility and remote access services increasingly will become the preferred communication path through the duration of the Networx contract.

Broadband wireless access will become the preferred solution demanded by Agency personnel for mobile Internet and virtual private network (VPN) connections and integrated data, voice, and video services. Through a broadband wireless network, Agency mobile telecommuters and non-office personnel will connect directly to the Agency's VPN and leverage critical applications and converged services in pursuit of the Agency's mission. An Agency can become more citizen-centric by leveraging broadband wireless technology to widely distribute critical services in real-time to their customer's Internet protocol (IP)-enabled devices. Broadband wireless will become the crucial access technology for the Agency to provide converged services and applications.

Some Agency applications are best addressed with satellite and radio communications. Satellite is a natural fit for remote training and broadcast communications, while land mobile radio (LMR) is designed to support the mobility required by emergency personnel. Mobile satellite is the only

communication solution when Agency personnel travel to locations without cellular/personal communications service (PCS) or wireline infrastructures. Fixed satellite might be the only option for dedicated connectivity to Agency locations that have limited or no wireline access service.

Continuity of operations (COOP) has become critical to an Agency with the increased threat of terrorism and other potential emergency situations. Fixed wireline is the primary network architecture for most Agencies' communications services. If an Agency's communications system is impacted by an emergency situation, it will require telecom services from diverse network architectures to continue its mission. Satellite, LMR, and other wireless services provide a diverse architecture from wireline services that support COOP for an Agency.

Unanticipated traffic and traffic overflows can also hinder Agencies' ability to perform their mission. Satellite and wireless services can divert their transport capacity to support the unanticipated traffic, providing a cost-effective solution. Once the traffic surge has passed, the satellite and wireless services can be returned to the designated applications. The dual role of satellite and wireless services follows the principles of Federal Enterprise Architecture (FEA) by offering flexible communications solutions that allow Agencies to address critical situations by reusing purchased services.

### **1.7.a AT&T's Special Services**

AT&T provides Agencies a comprehensive portfolio of Special Services that addresses mobility, convergence, global reach, emergency preparedness, quality, and reliability. Agencies will receive the following benefits from AT&T's Special Services portfolio:

- Global System for Mobile Communications (GSM)-based PCS offering cellular/personal communications services (CPCS) with global coverage through a partnership with Cingular. With more than

██████████ Cingular has the largest digital voice and data network in North America. Outside North America, Cingular provides service roaming in more than 160 countries.

- Expansion of enhanced data-rates for GSM evolution (EDGE), 2.5G data networking capabilities, and providing a migration path to 3G services such as universal mobile telecommunications system (UMTS) and high-speed downlink packet access (HSDPA) technologies.
- Standards-based (802.11) multimode wireless local area network (LAN) service with global coverage ██████████ hotspots worldwide.
- Secure wireless access to Agencies' VPN and the Internet through AT&T's ██████████ global client.
- Comprehensive Mobile Satellite Services (MSS) offering that includes all four MSS systems through a partnership with Telenor.
- Flexible Fixed Satellite Services (FSS) designed to meet the Agencies' requirements. A partnership with Globecom Systems provides design, implementation, and support of earth station systems, while a partnership with Intelsat General Corporation provides satellite transponder capacity.
- Customized land mobile radio systems that are designed, built, implemented, and supported according to an Agency's specifications. Through partnership with Northrop Grumman and ISS, AT&T will provide Agencies' emergency response personnel with a reliable, scalable radio system.

The Special Services section presents AT&T's compliant solution for providing cellular/PCS, multimode wireless LAN, mobile satellite, fixed satellite, and land mobile radio, as summarized in **Table 1.7-1**.



SECTION	DESCRIPTION
<b>Section 1.7.1 Cellular/PCS</b>	Describes AT&T Cellular/PCS that is offered through partnership with Cingular. <ul style="list-style-type: none"> <li>• GSM Voice Services with Global Roaming</li> <li>• EDGE and UTMS-base Data Services</li> <li>• Short Messaging Service (SMS) and Multimedia Messaging Service (MMS)</li> </ul>
<b>Section 1.7.2 Mobile Wireless LAN Service</b>	Describes AT&T public wireless fidelity (WiFi) service that provides access: <ul style="list-style-type: none"> <li>• More than 9,000+ global hotspots</li> <li>• Secure IPsec-based access to Internet and Agency VPNs</li> <li>• Customized private hotspots Agency locations</li> </ul>
<b>Section 1.7.3 Mobile Satellite Service</b>	Describes AT&T's MSS that is offered through a partnership with Telenor: <ul style="list-style-type: none"> <li>• MSS from the four major providers</li> <li>• Single-point of contact for ordering, provisioning, support, and billing</li> </ul>
<b>Section 1.7.4 Fixed Satellite Service (FSS)</b>	Describes AT&T's FSS that is offered through partnerships with GlobeComm Systems and Intelsat: <ul style="list-style-type: none"> <li>• Earth station system design, implementation, and support</li> <li>• Global satellite transponder capacity, including Ka-band</li> </ul>
<b>Section 1.7.5 Land Mobile Radio Service (LMRS)</b>	Describes AT&T LMRS that is offered through partnerships with Northrop Grumman and ISS: <ul style="list-style-type: none"> <li>• Custom LMRS systems that are designed, built, installed, and supported per Agency's specification</li> </ul>

**Table 1.7-1: Special Services Response.** Agencies obtain a high-quality, reliable wireless and satellite service solutions through AT&T's partnerships with service providers who are industry leaders in their designated areas.

As we have done for over 100 years, AT&T will deliver on its promise to perform. Our integrity, financial strength, rich portfolio of current and future products, contract management skills, and executive commitment—as well as those of our best-in-class teaming partners—will be at GSA's service.

**1.7.b Reserved**

**1.7.b.1 Reserved**

**1.7.b.2 Reserved**

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