



SERVICE DESCRIPTION FOR BUSINESS VPN SATELLITE SERVICE – TERRESTRIAL DEDICATED

1. **Definition.** Orange's Business VPN Satellite Service – Terrestrial Dedicated provides connectivity to remote Locations where terrestrial based services are inaccessible or highly degraded or as a back-up of terrestrial networks. As noted below, Customer may choose from two (2) types of Business VPN Satellite Service – Terrestrial Dedicated. Business VPN Satellite Service – Terrestrial Dedicated is only available for use with an Orange Network Service, which is described in separate Service Description attached to this Agreement.

2. **Overview.** The Business VPN Satellite Service – Terrestrial Dedicated provides fixed and dedicated capacity for IP applications via a network of two-way satellite terminals that operate in a star configuration.

Bandwidth is made available independently in the hub to remote Location direction (outbound, downstream or forward carrier) or in the remote Location to hub direction (inbound, upstream or return carrier) or in both directions simultaneously. There are two (2) types of Business VPN Satellite Terrestrial Dedicated Services from which Customer may choose: Dedicated and Dedicated Plus ("**Dedicated+**"), each of which are described in Clause 3 below.

3. **Options: Dedicated and Dedicated+**

- A. **Dedicated+ Satellite Service:** Customer may Order the Dedicated + Satellite Service if Customer has a dedicated satellite service that Customer intends to migrate to a shared satellite service in the future.
- B. **Dedicated Satellite Service.** Customer may Order the Dedicated Satellite Service if Customer requires a single channel per carrier (SCPC). SCPC allows Customer to use a single satellite channel for all satellite transmissions. The SCPC solution is the satellite equivalent of a terrestrial leased line. The SCPC has the following characteristics:
- "Clear" channel (i.e., Customer gets a channel for its own use and no signalling or protocol needs to be specified);
 - Bandwidth fully allocated to a specified Location with no users other than Customer;
 - Serial interface to the User's remote equipment;
 - From 64 kbps to 2 Mbps standard access speeds; and
 - Point-to-Point (hub to remote Location).

4. **Service Features and Functions.** The Business VPN Satellite Service – Terrestrial Dedicated is provided with a range of available forward carrier and return carrier sizes from which Customer may choose. The satellite space segment is dedicated to Customer's remote Locations for the same VPN using Orange's Network.

5. **Optional Service Features.** Business VPN Satellite Service – Terrestrial Dedicated is fully compatible with most characteristics of Orange's Network. The following optional service features may be available with both Dedicated and Dedicated+ Satellite Service options upon Customer's request and Orange's prior written approval, which will be based on specific tests and validations conducted by Orange:

- A contingency option of bundled Satellite Equipment (excluding the antenna), where the primary Satellite Equipment is secured by the secondary indoor unit and outdoor unit when failure occurs on the primary Satellite Equipment;
- Internet access may be configured on a non-satellite connected Location;
- IPSec over Orange's Network;
- Multi VPN;
- Mission-critical Locations;
- Resiliency service options;

6. **Network Service Features Not Supported.** Except as otherwise agreed upon by Orange in writing, Network Service options other than those identified in Clause 5 (*Optional Service Features*) above are not available with Business VPN Satellite Service – Terrestrial Dedicated, including:



Business Services

- ATM access;
- Integrated Internet access on the Customer-edge Router (as defined in the Business VPN Service Description) connected through the satellite link; and
- Multiprotocol Support (e.g., SNA, X.25, APLS, MATIP, DecNet IV, and IPX).

7. **Security.** The Satellite Equipment includes an embedded encryption chip (e.g., 3 DES encryption), which may be activated only upon Customer's request and subject to an additional Charge.

NEITHER ORANGE NOR ITS THIRD-PARTY SUPPLIERS WARRANT OR GUARANTEE THE SECURITY OF CUSTOMER'S SATELLITE TRANSMISSIONS USING THE ENCRYPTION CHIP OR OTHERWISE. CUSTOMER ACKNOWLEDGES THAT UNAUTHORIZED INTERCEPTION OF SATELLITE TRANSMISSIONS MAY OCCUR AND ORANGE WILL NOT BE LIABLE FOR ANY SUCH INTERCEPTION OR OTHER BREACH OF SECURITY RELATING TO ANY SATELLITE TRANSMISSION. CUSTOMER WILL BE SOLELY RESPONSIBLE FOR ITS OWN NETWORK SECURITY POLICY AND SECURITY VIOLATION RESPONSE PROCEDURES.

8. **Acceptance Testing.** Upon completion of the physical installation of the Business VPN Satellite Service – Terrestrial Dedicated, Orange will commence acceptance testing to confirm that all aspects of the Service are operational with the terms set forth in this Service Description.

END OF SERVICE DESCRIPTION FOR

BUSINESS VPN SATELLITE SERVICE – TERRESTRIAL DEDICATED