FEDERAL GOVERNMENT SERVICES

A. GENERAL

The Federal Government Special Access Services included in this Product Guide are Channel Terminations other than Non-Competitive End User Channel Terminations, Channel Mileage and certain Optional Features and Functions ordered for such Channel Terminations, including Multiplexing. Ordering options for other Federal Government Special Access Services needed to complete a circuit are available under Company Tariffs as described in Part 0, Section 1.

Part I covers Special Access Services that are provided to a Customer for use only by agencies or branches of the Federal Government and other users authorized by the Federal Government. Services provided to state emergency operations centers are included. These Services provide for command and control communications, including communications for national security, emergency preparedness and presidential requirements. They are required to assure continuity of Government in emergency and crisis situations and to provide for national security.

In addition, Part I covers the Telecommunications Service Priority System Service and procedures since it is administered by the Federal Government.

Services for command and control communications and for national security and emergency preparedness sometimes require short notice and short duration service provisions. These provisions are especially needed to meet presidential requirements or in response to natural, man-made, or declared emergencies. Requirements of this type cannot be forecasted and are usually needed for a relatively short period. The provision of Service under these conditions may require the availability of facilities, such as portable microwave equipment, which are provided on a temporary basis by the Company, or Customer.

FEDERAL GOVERNMENT SERVICES

B. EMERGENCY CONDITIONS

These Services will be provided on the date requested or as soon as possible thereafter when the emergency falls into one of the following categories:

1. State of crisis declared by the National Command Authorities (includes commitments made to the National Communications System in the "National Plan for Emergencies and Major Disasters").

2. Efforts to protect endangered U.S. personnel or property both in the U.S. and abroad. (Includes space vehicle recovery and protection efforts.)

3. Communications requirements resulting from hostile action, a major disaster or a major civil disturbance.

4. The director (Cabinet level) of a Federal department, Commander of a Unified/Specified Command, or head of a military department has certified that a communications requirement is so critical to the protection of life and property or to the National Defense that it must be processed immediately.

5. Political unrest in foreign countries which affect the national interest.

6. Presidential service.

FEDERAL GOVERNMENT SERVICES

C. INTERVALS TO PROVIDE SERVICE

Services are offered under the negotiated Interval provisions set forth Part 0, Section 5.

D. FACILITY AVAILABILITY

In order to insure communications during periods of emergency, the Company will, within the limits of good management, make available the necessary facilities to restore Service in the event of damage or to provide temporary emergency service.

In order to meet the requirements of agencies or branches of the Federal Government, the Company may utilize government-owned facilities, when necessary to provide Service.

E. FEDERAL GOVERNMENT REGULATIONS

In accordance with Federal Government Regulations, all Service provided to the Federal Government will be billed in arrears. However, this provision does not apply to other Customers that obtain Services under the provisions of this Product Guide to provide their Services to the Federal Government.

F. MILEAGE APPLICATION

Mileage, when used for rate application between two Customer designated premises, shall be determined by the V&H Coordinates Method as set forth in NECA Tariff FCC No. 4 for wire center information (V&H coordinates) and administered as set forth in Part 0, Section 7C.

G. MOVES

Changes in the physical location of the point of termination at a Customer designated premises are treated as moves and are described in and charged for as set forth in Part 0, Section 10.

FEDERAL GOVERNMENT SERVICES

H. SERVICE OFFERINGS

The following unique Services are provided to a Customer for use only by agencies or branches of the Federal Government, other authorized users and state emergency operations centers.

1. Federal Government Security and Emergency Services

Federal Government Security and Emergency Services are available where facilities exist in the wire centers listed in Part 0 Section 8 for Verizon Maryland LLC, Verizon Virginia LLC, and Verizon Washington, D.C. Inc.

a. Voice Grade Special Access Services

(1) Voice Grade Secure Communications Type II

Approximate bandwidth 10-50,000 Hz. Furnished on four-wire metallic facilities for duplex operation for two-point secure communications between an IC premises and an end user's premises. Services are conditioned as follows:

G-1 Conditioning - The absolute loss with respect to frequency and the net loss variation shall be the same as Voice Grade Secure Communications Type I Services without additional conditioning. Voice frequency signaling or supervisory tones can be transmitted.

(2) Voice Grade Secure Communications Type III

Approximate bandwidth 10-50,000 Hz. Furnished on four-wire metallic facilities for duplex operation for two-point secure communications between an IC premises switch and an end user's premises. Services are conditioned as follows:

G-2 Conditioning - The absolute loss with respect to frequency and the net loss variation from the switch to an end user's premises shall be the same as Voice Grade Secure Communications Type I Services without additional conditioning; from an end user's premises to the switch shall be the same as Voice Grade Secure Communications Type I Services with additional conditioning. Voice frequency signaling or supervisory tones can be transmitted.

(3) Voice Grade Secure Communications Type IV

Approximate bandwidth 10-50,000 Hz. Furnished on four-wire metallic facilities for duplex operation for two-point secure communications between two IC premises switches. Services are conditioned as follows:

G-3 Conditioning - The absolute loss with respect to frequency and the net loss variation shall be the same in both directions of transmission as Voice Grade Secure Communications Type I Services with additional conditioning. Voice frequency signaling or supervisory tones can be transmitted.

FEDERAL GOVERNMENT SERVICES

H. SERVICE OFFERINGS (Cont'd)

2. Telecommunications Service Priority System

Telecommunications Service Priority System is available in Regions 1, 11, 14 and 16.

a. Priority installation and/or restoration of National Security Emergency Preparedness telecommunications Services shall be provided in accordance with Part 64.401, Appendix A, of the Federal Communications Commission's (FCC's) Rules and Regulations.

In addition, Telecommunications Service Priority System Service shall be provided in accordance with the guidelines set forth in the Service Vendor Handbook for Telecommunications Service Priority, US Department of Homeland Security, OEC TSP Vendor Handbook, Verizon 1.2, October 23, 2017, and the Service User Manual for the Telecommunications Service Priority System, National Communications System, NCS Manual 3-1-1, May 5, 2000.

The TSP System is a Service, developed to meet the requirements of the Federal Government, as specified in the Service Vendor's Handbook and Service User's Manual which provides the regulatory, administrative and operational framework for the priority installation and/or restoration of NSEP telecommunications Services. These include both Switched (provided under FCC Tariff) and Special Access Services. The TSP System applies only to NSEP telecommunications Services, and requires and authorizes priority action by the Company providing such Services.

b. The TSP System's applicability is limited to Access Services which the Company can discreetly identify for priority provisioning and/or restoration.

c. Some of the elements required for the TSP System are included in other sections of this Product Guide as general service offerings. They have been referenced in this section to reflect the complete TSP System with appropriate references to those other sections of the FCC Tariff/Product Guide for terms and conditions, rates and charges.

d. The Customer for TSP System Service also must be the same Customer for the Access Service with which it is associated.

e. When a Special Access Service is provided entirely under this Product Guide, the TSP rates and charges in this Product Guide will apply.

FEDERAL GOVERNMENT SERVICES

H. SERVICE OFFERINGS (Cont'd)
2. Telecommunications Service Priority System (Cont'd)

e. Under certain conditions it may be necessary to preempt one or more Customer Services with a lower or no restoration priority in order to install or restore NSEP telecommunications Service(s) of a higher priority. If such preemption is necessary, and if circumstances permit, the Company will make reasonable effort to notify the preempted Service Customer of the action to be taken.

Credit allowance for such Service preemption shall be made in accordance with the provisions set forth in Part 0 Section 2 concerning Temporary Surrender of a Service.

f. The Customer, in obtaining TSP System Service, acknowledges and consents to the provision of certain Customer service record information by the Company to the Federal Government, as specified in the TSP Service Vendor Handbook, in order for the Government to maintain and administer its overall TSP System.

g. When Priority Restoration Maintenance and Administration, as defined in the TSP Service Vendor Handbook, is discontinued (Revocation of Assigned Restoration Priority), and the associated Access Service is continued in service, the Administration charge will not apply for such a discontinuance.

h. Certain activities performed by the Company in association with the TSP System are as follows:

i. Priority Installation Invocation includes System Implementation, Verification, Confirmation, and Preemption.

ii. Priority Restoration Level Implementation includes System Implementation, Verification, and Confirmation.

iii. Priority Restoration Level Change includes Verification and Confirmation.

iv. Priority Restoration Maintenance and Administration includes Reconciliation and Preemption.

i. The Customer, in obtaining a Priority Restoration, recognizes that quoting charges and obtaining permission to proceed with the installation or restoration of certain Access Services will cause unnecessary delays and, as a result, would be contrary to the aforementioned Rules and Regulations. In subscribing to Priority Restoration Service the Customer recognizes this condition and grants the Company the right to quote charges after the restoration has been completed.

FEDERAL GOVERNMENT SERVICES

H. SERVICE OFFERINGS (Cont'd)

3. Federal Markets High Capacity Services

Federal Markets High Capacity Services are available where facilities exist in Region 1 and Region 11.

a. General

Provision of uniquely rated High Capacity Services that are provided to a Customer for use only by agencies and branches of the Federal Government and other users authorized by the Federal Government. Federal Markets High Capacity Services are available in all end offices in the Company service area, subject to the availability of suitable facilities.

A High Capacity channel is a channel for the digital transmission of 1.544 or 44.736 Mbps isochronous serial data. The actual bit rate and framing format is a function of the channel interface selected by the Customer. High Capacity channels are provided between Customer designated premises or between a Customer designated premises and a Company Hub at 1.544 and 44.736 Mbps transmission.

i. DS1 High Capacity/1.544 Mbps Service Channel Terminations other than Non-Competitive End User Channel Terminations

DS1 Service (a 1.544 Mbps facility) is provided with an electrical interface.

ii. DS3 High Capacity/44.736 Mbps Services Channel Terminations other than Non-Competitive End User Channel Terminations

DS3 Service is available in standard channel termination configurations and is provided with an electrical interface.

iii. Non-Competitive End User Channel Terminations are provided pursuant to FCC Tariff.

iv. Central Office Multiplexing

(a) DS3 to DS1 Multiplexing

An arrangement that converts a 44.736 Mbps channel to 28 DS1 channels using digital time division multiplexing.

(b) DS1 to DS0 Multiplexing

DS1 to Voice – An arrangement that converts a 1.544 Mbps channel to 24 channels for use with Voice Grade Services.

DS1 to DS0 - An arrangement that converts a 1.544 Mbps channel to 24 64.0 kbps channels utilizing digital time division multiplexing.

FEDERAL GOVERNMENT SERVICES

H. SERVICE OFFERINGS (Cont'd)

3. Federal Markets High Capacity Services (Cont'd)

b. Terms and Conditions

i. Except as otherwise stated in this section, the Services provided are the same as those Services described in Part E of this Product Guide.

ii. Except as otherwise noted, the terms and conditions stated herein are in addition to other applicable terms and conditions contained in other sections of this Product Guide for the underlying Services, including credit allowances, and when applicable, rearrangement charges.

iii. The minimum service period for Federal Markets High Capacity Services is one month.

iv. Technical specifications for DS1 Service are delineated in ANSI T1.403-1999 (R2007) for the carrier interface Network Interface (NI). Technical specifications for DS3 Service are delineated in ANSI T1.404-2002 (R2006).

v. The monthly rates and installation nonrecurring charges for Federal Markets High Capacity Services are specified in Part I and apply in lieu of the monthly rates and installation nonrecurring charges specified in Part E for the specific Service involved.

vi. Federal Markets High Capacity Services are not eligible for additional discounts or to enroll/subscribe in any term, volume or discount plan under any other sections of this Product Guide.

4. High Capacity DS1 Service (Region 14)

For Special Federal Government access arrangements, High Capacity DS1 SALs in Region 14 will be rated as set forth in Part E, Section 14 but will be offered with clear channel capability as a nonchargeable option. Clear channel capability is described in Part E, Section 3.

FEDERAL GOVERNMENT SERVICES

H. SERVICE OFFERINGS (Cont'd)

4. FAA Telecommunications Infrastructure (N)

Subject to the limitations specified in Part 0, Section 8D, FAA Telecommunications Infrastructure is available in Region 1 and Region 11.

The FAA Telecommunications Infrastructure (**FTI**) is a uniquely rated and designed program providing certain Special Access services for the Federal Aviation Administration (**FAA**), with Harris Corporation as agent for the FAA. FTI provides Voice Grade Service, Digital Data Service, High Capacity Services (DS1 and DS3), and IntelliLight Broadband Transport (IBT). IBT is provided pursuant to contract.

a. Terms and Conditions

i. FTI is provided pursuant to a five-year contract and may be renewed up to thirteen times in one-year increments. The service will continue until terminated for up to an 18-year period.

ii. Except as otherwise stated in this section, the services provided are the same as those services described in Part A, Part D and Part E. The services are subject to the terms of Part 0 unless otherwise stated.

iii. FTI is available from every wire center in all operating territories of Regions 1 and 11, subject to the availability of suitable facilities.

iv. FTI allows connectivity to other Company services and to any other Interexchange Carrier point of presence (**POP**) through Collocation.

v. The rates and charges for FTI are specified in Part I, Sections 2 and 3 and apply in lieu of the rates, charges and term plans specified in Parts A, D and E for the specific service involved.

vi. Service connections will utilize the following Network Channel Interface codes. (N)

FEDERAL GOVERNMENT SERVICES

H. SERVICE OFFERINGS (Cont'd)
4. FAA Telecommunications Infrastructure (Cont'd) (N)
a. Terms and Conditions (Cont'd)
vi. (Cont'd)

Service	NC	NCI	SECNCI
VG4 4 Wire	LE--	04NO2	04NO2
VG4 4 Wire (Derived from DS1)	LE--	04DS9.15 04DS9.1S 04DU9 04QB9.11	04NO2
VG6 4 Wire	LG--	04NO2 04DA2	04NO2 04DA2
VG6 4 Wire (Derived from DS1)	LG--	04DS9.15 04DS9.1S 04DU9 04QB9.11	04NO2 04DA2
VG7 4 Wire	LH--	04NO2	04NO2
VG7 4 Wire (Derived from DS1)	LH--	04DS9.15 04DS9.1S 04DU9 04QB9.11	04NO2
VG9 4 Wire	LK--	04NO2	04NO2
VG9 4 Wire (Derived from DS1)	LK--	04DS9.15 04DS9.1S 04DU9 04QB9.11	04NO2
VG10 4 Wire	LN--	04NO2 04NO3 06DA2	04NO2 04NO3 06DA2
VG10 4 Wire (Derived from DS1)	LN--	04DS9.15 04DS9.1S 04DU9 04QB9.11	04NO2 04NO3 06DA2

(N)

FEDERAL GOVERNMENT SERVICES

H. SERVICE OFFERINGS (Cont'd)
4. FAA Telecommunications Infrastructure (Cont'd)
a. Terms and Conditions (Cont'd)
vi. (Cont'd)

(N)

Service	NC	NCI	SECNCI
DDS 64 Kbps	XDA-, XDAB	04DU5.64 04DS9.15 04DS9.1S 04DU9 04QB9.11	04DU5.64
DS1 no CFA (non-Collocated)	HC--, HCE-, HC-M, HCEM	04DS9.15 04DS9.1S 04DU9	04DS9.15 04DS9.1S 04DU9 04QB9.11 04DS6.44 04QB6.33
DS1 riding CA/PR (Collocated)	HC--, HCE-, HC-M, HCEM	04QB9.11	04DS9.15 04DS9.1S 04DU9 04QB9.11 04DS6.44 04QB6.33
DS1 from DS3 (Collocated)	HC--, HCE-, HC-M, HCEM	04QB6.33	04DS9.15 04DS9.1S 04DU9 04QB9.11 04DS6.44 04QB6.33
DS1 from DS3 (non-Collocated)	HC--, HCE-, HC-M, HCEM	04DS6.44	04DS9.15 04DS9.1S 04DU9 04QB9.11 04DS6.44 04QB6.33 04DS6.44
DS3/Electrical (non-Collocated)	HF--, HFC-, HF-M, HCEM	04DS6.44 04QB6.33	04DS6.44 04QB6.33
DS3 (Collocated)	HF--, HFC-, HF-M, HFZM	04QB6.33	04DS6.44 04QB6.33

(N)