

VOICE OVER IP SERVICE

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6. DEFINITIONS

1. GENERAL

- 1.1 **Service Definition.** Voice over IP (VoIP) Service enables Customer to make telephone calls via the Internet. Verizon offers two types with Optimized and Non-Optimized Service: IP Integrated Access (for sites with key or PBX systems) and IP Trunking (for IP PBX equipment); and a third type with Non-Optimized VoIP Service: Hosted IP Centrex, where all the features of a PBX or key system reside on Verizon's VoIP network.

- **Platforms.** Except where explicitly stated otherwise, these terms apply to Optimized VoIP + Service (denoted with a "+" and sometimes referred to as Rapid Delivery) and non-Optimized VoIP Service.

1.2 **Standard Service Features**

- 1.2.1 **Calling Capacity.** With VoIP Service, Verizon provides Customer the ability to select its simultaneous calling capacity.

- 1.2.2 **Burstable Enterprise Shared Trunks (BEST).** Customer's VoIP sites that are provisioned with BEST will be able to share the total simultaneous calling capacity purchased by Customer across its enterprise on a regional basis. Thus, simultaneous call units within a region contribute to the total available concurrent call capacity only within that region. Concurrent call pools cannot be regionally shared between the [Americas](#) (U.S./Canada/[Mexico](#)), Europe, and Asia-Pac regions. BEST applies

to enterprises in which all locations are on a metered or tiered pricing model. Simultaneous calling capacity can be shared between locations receiving both Local and LD VoIP service, and between locations receiving only LD service, but not across those two kinds of locations.

1.2.3 Local/National Calling Services

1.2.3.1 Outbound Public Service Telephone Network (PSTN or Local) Calls. Verizon enables Customer to place calls to most PSTN destinations, including but not limited to, local, national, international, fixed-to-mobile, Directory Assistance and non-geographic destinations. For Europe, a list of destinations not currently supported by VoIP Service is available upon Customer's request.

1.2.3.2 Number Portability. Verizon enables Customer to port its telephone numbers (i.e., retain them) using Local Number Portability (LNP) at the same time VoIP Service is made available for use, or delay LNP for up to 10 days afterwards.

1.2.4 Caller ID Information – Outbound

1.2.4.1 Calling Line Presentation (CLIP) and Calling Line Restriction (CLIR) Caller ID Information are supported. Verizon enables Customer to prevent, or control, the presentation of its outbound Caller ID information to call recipients through the Calling Line Presentation (CLIP) and Calling Line Restriction (CLIR) features.

- CLIP presents a default Calling Line Identity [\(CLI\)](#).
- CLIR blocks the presentation of Customer's CLI.

1.2.4.2 Alternative Caller ID (VoIP IP Trunking only). Through the “Alternative Caller ID” feature, Verizon enables Customer to present an alternative CLI to call recipients, e.g., to display a local presence. Details on what types of numbers are supported are available on request.

1.2.5 Directory Assistance. Verizon provides directory assistance, so that Customer can call the directory assistance operator to request telephone numbers (up to two per call in the U.S.).

1.2.6 Operator Services. Verizon provides operator assistance, so that Customer can call to request help to complete a long distance or local exchange telephone call.

1.2.7 Codecs Support. Verizon supports calls originating from Customer equipment on any of the following Codecs (compression standards): G.711, G.729, T.38, and G.722/H.264. Verizon's VoIP Service transmits faxes sent using the G.711 and T.38 codecs.

1.2.8 Key Group (IP Integrated Access only). Verizon supports all features of the Key System at a Customer Site, and Customer can also use the following Verizon VoIP features: Call Return, Call Trace, Call Transfer, Call Waiting, Cancel Call Waiting, Consultation Hold, Hold, Flash Call Hold, Last number redial, Three-way calling, using the Feature Access Codes (as applicable).

1.2.9 Support Services

1.2.9.1 Online Integrated Administrator Console. Verizon provides an online VoIP portal known as the Integrated Administrator Console (IAC) which Customer's designated administrator can use to set up and manage VoIP Service-related call routing and restrictions for Customer-defined groups across Customer' enterprise.

1.2.9.2 Technical Support – Local Helpdesk. Verizon provides a Helpdesk, which Customer's administrator can call for help with VoIP service issues.

1.3 Optional Service Features

1.3.1 VoIP IP Enterprise Routing (VIPER). Verizon will complete calls dialed over public numbers between Verizon VoIP Service Customer locations enabled with the VIPER feature without applying

per-minute domestic or international usage charges. VIPER is available in the Americas (U.S., Canada, Mexico), Europe, and Asia-Pacific (except India).

1.3.2 **Additional Optional Features. Call Forwarding; Calling Name Inbound** (U.S. only; does not show names of wireless callers); **Voice Mail** (U.S. only); **Auto-attendant; Accounting/Authorization codes; Call Intercept.**

1.4 **Additional Verizon Responsibilities – Demarcation.** Verizon provides VoIP Service up to the demarcation point, which is the following:

- For VoIP IP Trunking, the Ethernet interface card where Customer's LAN is connected to the IP router.
- For IP Integrated Access with a PBX, the back end of the router (to enable Verizon to gain limited access to the gateway to provide limited assistance with repairs).
- For IP Integrated Access with a Key system, the FXS port.
- For Multi-Site IP Trunking Service – If Customer purchases Verizon VoIP IP Trunking Service for a centralized multi-site environment where the Customer WAN connects remote Site(s) through a single site (Hub site) to the Verizon VoIP network, the demarcation for the IP Trunking VoIP Service for each Customer Site in the centralized multi-site environment is the Hub site termination.

1.5 **Customer Responsibilities**

1.5.1 **Transport.** As transport for use with VoIP Service, Customer will, at its discretion, (a) separately purchase Verizon Internet Dedicated, Internet Dedicated Ethernet, Private IP Service, or Ethernet to Private IP Service (the latter two are the only forms of transport in India Asia Pacific); or (b) in the case of use in the U.S. or in the Europe, Middle East, and Africa (EMEA) region, provide internet dedicated or internet dedicated ~~ethernet~~Ethernet, service. Customer will contract directly with Verizon Wireless if Customer utilizes Verizon Wireless as access in the U.S. into Verizon's PIP network (available only with Optimized Service).

1.5.2 **Customer Facilities.** Customer will ensure that all Customer Facilities are compatible with VoIP. Customer may meet this responsibility by contracting separately with Verizon to perform associated tasks.

1.5.3 **Customer Not Ready.** The Customer must provide the order information sought by Verizon (e.g., porting telephone numbers, demarcation information) and, if applicable, provide to Verizon the date the Customer's site will be ready for the service within 10 business days of the date Verizon first contacts the Customer for such information. If the Customer does not provide such information by the 10th business day, then Verizon may cancel your order.

1.5.4 **Emergency Calling Services**

1.5.4.1 **Busy Signal.** If the maximum number of concurrent calls on an IP trunk is exceeded or a Service outage occurs, an end-user may receive a busy signal when the end-user attempts to contact emergency services. Customer will inform its end-users of such possibility as described further in Section 3.8.1 and is responsible for developing and implementing alternative methods for its end-users to obtain access to emergency services.

1.5.4.2 **Customer Relocates IP Phone.** With respect to VoIP IP Trunking, if Customer relocates any of its IP phones to another Customer site, Verizon will have no knowledge of such relocation and will continue to route emergency services calls based on the address associated with the registered ANI or STN the customer initially provided to Verizon. Customer is responsible for informing Verizon about any permanent or long-term relocation of IP phones so that the outbound geographic call routing rules can be updated for the relocated phones.

1.5.4.3 **Extension Formats.** Customer must ensure that extension numbers are not formatted using any European emergency number format, regardless of the country in which the end-user is located. (A List of European Emergency Numbers is available to Customer upon its request.) Use of any of

those formats may prevent emergency calling from operating properly.

2. AVAILABLE VERSIONS

2.1 **Optimized VoIP Service – Contracted by Customer on or after November 15, 2013**

2.1.1 **Service Description.** With Optimized VoIP Service contracted by Customer on or after November 15, 2013, Verizon provides the following optional Service features.

2.1.2 **Optional Service Features**

2.1.2.1 **BEST+.** With BEST+, Verizon enables Customer to burst through and exceed its simultaneous calling capacity should it make or receive a spike in traffic.

2.1.2.2 **Enterprise Trunk Premium.** With Enterprise Trunk Premium, Verizon provides a billable business continuity option if Customer desires session border controller (SBC) geographic redundancy.

2.1.2.3 **Enterprise Route Overflow.** In the event of an IP address being unreachable, thereby causing inbound calls to fail, Enterprise Route Overflow enables all inbound VoIP calls to be automatically redirected to an alternate number (which can be a VoIP or PSTN number), whether or not Verizon-owned and whether or not within the same country. Once connectivity with the original IP address is re-established, the primary route will be resumed (except for those calls that have already been redirected).

2.1.2.4 **Premium Support Services.** Verizon offers the following post-implementation, supplemental Premium Support Services for VoIP Services:

- **VoIP Feature Management.** VoIP Feature Management consists of those feature configuration and profile changes that could be performed by Customer either via the VEC or IAC if Customer chose to do so.
- **CPE and local area network (LAN) Support.** Premium CPE and LAN support services consists of activities that enable or improve the capabilities provided by Customer's CPE. Examples of CPE and LAN support activities include performing IOS upgrades for phones and IP phone configuration.
- **Alternative Re-routing (U.S. only).** Verizon will work with Customer to provision pre-defined re-routing plans for each of its VoIP telephone numbers (TNs) to facilitate Service continuity in the event of an emergency or disaster, using remote call forwarding for each such TN.

2.1.2.5 **Verizon Wireless Connected VoIP.** If Customer orders the Verizon Wireless Connected VoIP feature, Verizon will complete calls originating from a Verizon VoIP Service Customer location enabled with the VIPER feature in the U.S. to any Verizon Wireless telephone number without applying per-minute U.S.-domestic or international usage charges on the VoIP originating end. Applicable Verizon Wireless usage charges may still be charged on the terminating end.

2.1.3 **Optional Feature Package**

2.1.3.1 **VoIP Essential Feature Package (U.S.).** Customer has the option to order a limited feature package that restricts use of certain VoIP features. This optional feature package is only available with location level concurrent calls. If Customer orders this package, the selected customer site will not be able to use the following features: BEST; VIPER; Verizon Wireless Connected VoIP; Alternative Caller ID; Call Intercept; and Accounting/Authorization Codes. Further, the customer will not be able to use the following Enterprise level features: BEST+; Enterprise Trunk Premium; or share tiered long distance minutes across Customer sites.

2.2 **Optimized VoIP Service – Contracted by Customer before November 15, 2013.** The service description, features, and terms and conditions particular to VoIP Service contracted by Customer before November 15, 2013 are set forth here:

http://www.verizonenterprise.com/external/service_guide/reg/cp_voip_plus_voice_over_ip.pdf

2.3 **Non-Optimized VoIP Services**

2.3.1 **Non-Optimized VoIP Service (U.S.).** For Non-Optimized VoIP Service contracted by Customer in the U.S. prior to November 15, 2013, the service description, features, and terms and conditions are set forth here:

http://www.verizonenterprise.com/external/service_guide/reg/cp_voip_voice_over_ip.htm

2.3.2 **Non-Optimized VoIP Service (Non-U.S.).** For Non-Optimized VoIP Service contracted by Customer outside the U.S. prior to November 15, 2013, the service description, features, and terms and conditions are set forth in Customer's Contract and Service Order Form (SOF).

3. **SUPPLEMENTAL TERMS**

3.1 **No Resale.** This VoIP Service offering is not designed for resale as a stand-alone service. If Customer is buying VoIP Service on a tiered or metered pricing plan, Customer may provide and be compensated by end-users for VoIP-based services as a component of a larger service offering provided, for example, to a retirement home, campus-living facility, or hotel.

3.2 **Auto Dialing.** Customer's call capacity is limited to 10 call attempts per second on the Verizon network. If additional capacity is requested by Customer, provided such additional capacity is available, Verizon will provide such additional capacity to the Customer.

3.3 **SIP (Session Initiation Protocol) Message Rate Limiting.** To protect Verizon network infrastructure from potential overload conditions (and the resulting impairment of VoIP Service to customers) due to excessive traffic from specific network elements (e.g., traffic floods from misconfigured Customer Equipment), SIP messages from Customer's devices are rate limited in Verizon's network. Received SIP messages that surpass certain thresholds during a thirty-second interval may receive lower-priority treatment or be discarded before processing. The thresholds applicable for any particular device may vary over time, but are designed to be sufficient to allow for Customer's full utilization of its VoIP Service.

3.4 **Service Limitations**

3.4.1 **Modems.** Communications from analog modems may have protocol interaction issues when used over VoIP technology (due to their handshake and error-checking rules) and cannot be assured of the same quality as other communications; modems may not be used on VoIP Service except with Codec G.711 without silence suppression.

3.4.2 **Fax Transmission.** Fax transmission is highly dependent on Customer's facsimile device, its ability to disable error correction, and other factors. Therefore, the VoIP Service SLA does not include fax transmission success.

3.4.3 **Alarm Lines.** Alarm lines (whether or not they use modems) are not supported on, and should not be used with VoIP Service, with respect to both service and wiring, without limitation.

3.5 **Design/Configuration Modification.** Within Customer's Verizon-approved Service design, Customer may, if it chooses, upgrade its CPE configuration to the next-generation configuration of the same combination of manufacturer and design. To avoid disruption to Customer's or other customers' VoIP service, however, Customer will develop a written plan to be approved by Verizon before implementing an entirely new CPE architecture.

3.6 **Call Origination.** Verizon will pay and assess applicable taxes and inter-carrier compensation on VoIP Service calls based on the originating location provided by Customer. Customer is responsible for any Customer or third-party claims arising from Customer's provision of an originating location that differs from the actual origin of a call.

3.7 **Emergency Calling Access Limitations.** Customer is responsible for notifying its end users of the

following common events that can limit access to emergency calling via VoIP Service:

- **Loss of Power.** VoIP Service will be interrupted if there is a loss of electricity/power supply.
- **Loss of Broadband Service.** VoIP Service will be interrupted if the attendant broadband connection is not available.
- **Failure of Equipment.** The malfunction or failure of equipment, software, or hardware necessary for end-to-end Internet functionality (e.g. routers, IP phones, analog gateways, etc.) can limit access to emergency services.
- **Non-Authorized Telephone Number.** A call by an end-user using a number that is not registered with Verizon.
- **Non-Native Telephone Number.** A call by an end-user using a non-native telephone number (i.e., a telephone number from a local exchange area different from where the caller is located).
- **LD-only Service.** Emergency calling is not available with LD-only service.
- **IP phones connected to an IP PBX indirectly.** Emergency services cannot be reached from IP phones connected to an IP PBX indirectly connected to Verizon's VoIP Network (e.g., IP phones at Customer's internal remote sites as part of an IP PBX Centrex installation) that are not subscribed to an IP Trunking centralized multi-site environment.

3.8 **E-911 Regulatory Requirements – U.S.** A provider of “interconnected VoIP service,” as defined by the Federal Communications Commission (FCC), is required by the FCC to route emergency 911 calls in conjunction with such VoIP service where such 911 calling is available.

3.8.1 **End-User Notice Requirements.** Customer will notify all of its end-users of VoIP Service of the interaction and/or limitations of E-911 with VoIP Service as set forth in the Service Terms for VoIP Service. Customer is solely responsible for any third-party claims and liability arising from Customer's failure to so notify its end-users.

3.8.2 **E-911 And VoIP IP Trunking Service.** Because Customer's IP Trunking may permit end-users to use VoIP Service at other than Customer's or the end-users' primary service location, and Verizon may not detect when an end-user uses the service at a non-primary service location, Customer will, with respect to IP Trunking:

- detect when an end-user has moved his or her VoIP phone (i.e., any device used for VoIP calling) to a non-primary service location, and suspend VoIP Service unless and until either Customer (a) verifies that the end-user is at the location for which the VoIP phone is registered for service or (b) use a third-party service to enable the conveyance of E911 calls to the proper Public Service Answering Point (PSAP) from the end-user's current location;
- only permit such nomadic service when E-911 calls made via the nomadic service include the information needed to route that call to the PSAP serving that location in the manner required by the FCC's E-911 requirements for interconnected VoIP service; and
- otherwise block all VoIP calls attempted to be made via the nomadic service.

3.8.3 **Provider Parity.** For purposes of 47 U.S.C. 615a – commonly referred to as the NET 911 Improvement Act – and with respect to the provision of Verizon VoIP Service, Verizon is an IP-enabled voice service provider.

3.9 **Access to CPNI in U.S.** Verizon shall provide CPNI related to Customer's use of VoIP Service only to the CPNI authorizers selected by customer and designated in writing to Verizon.

3.10 **Regional-Specific Terms (Europe).** The following regional-specific terms apply to Customer's sites using VoIP Service in Europe.

3.10.1 **Emergency Calling.** VoIP Service enables Customer to access the Emergency Service Answering Point (ESAP) in its respective country using the appropriate numbers. The calling number transmitted to the ESAP will be the number stored in the Verizon SIP servers. Customer will keep all numbers up-to-date at all times. Emergency call routing and back-tracking (“silent” emergency calling) are only supported for calls from Customer sites that are identified by a Service Order issued under this Service Attachment.

3.10.2 Onward Routing. When a call originates in a European country other than one of the Verizon VoIP-eligible countries, and is handed over to Verizon in one of the Verizon VoIP-eligible countries for onward routing to a PSTN destination, VoIP Service is unable to correctly identify the call's originating location and the CLI format will instead identify the call as originating in the eligible country where the call is handed over to Verizon. Furthermore, Customer will not hand over such calls to Verizon for onward routing to a PSTN destination where this is prohibited or restricted by law or regulation.

3.11 Regional-Specific Terms (Asia-Pac). The following regional-specific terms apply to Customer's sites using VoIP Service in the Asia-Pacific region.

3.11.1 Australia, Hong Kong, and Singapore

3.11.1.1 Scope. IP Trunking Service enables a Customer end user to access the Emergency Service Answering Point (ESAP) in the end user's respective country using the appropriate numbers where IP Trunking Service includes local termination. Emergency calling is not available to Customer if it has Site-to-Site-Only Service and also is not available on outbound-only IP Trunking Service.

3.11.1.2 Limitations. Verizon routes emergency calls to its subcontractors for onward routing to the correct ESAP. Only (i) fixed PBX phones (in the case of IP Integrated Access), (ii) fixed IP phones connected to an IP PBX of a Customer Site directly connected to the Verizon VoIP network, or (iii) fixed IP phones directly connected to an IP PBX of a Customer Site and indirectly connected to the Verizon VoIP network in a centralized multi-site environment can connect to emergency calling. Emergency calling is not enabled from IP phones connected to an IP PBX indirectly connected to the Verizon VoIP network (i.e., Customer internal remote sites of an IP PBX Centrex installation that are not within an IP Trunking centralized multi-site environment).

3.11.2 India. The following terms apply if Customer's enterprise network using VoIP Service includes a site in India, the Verizon entity providing VoIP Service to Customer is in India, or as otherwise specified below.

3.11.2.1 No Emergency Calling in India. Customer will not use IP Trunking Service for emergency calling in India. Customer will notify its end users in India of the limitations in relation to emergency calling via VoIP Service (including those detailed above).

3.11.2.2 Conditions for Service Orders through Verizon Communications India Pvt. Ltd. The following conditions apply to all IP Trunking Service provided by Verizon Communications India Pvt. Ltd:

- **OSP Registration for Call Centre Operations.** In accordance with the notification issued by the Department of Telecommunications of India (DoT), No.820- 1/04-LR dated 7th February, 2007, Customer will register with DoT as an OSP (and provide a copy of that registration to Verizon) before using IP Trunking Service for call center or other service provider (OSP) operations. Customer shall provide a copy of Customer's OSP registration to Verizon prior to using IP Trunking Service for call center or OSP operations.
- **Connections to the PSTN or PLMN Subject to OSP Registration.** Because India regulations prohibit connections to the distant-end PSTN or public land mobile network (PLMN) outside of India unless Customer is registered as an OSP with DoT, Customer will be registered and in compliance as an OSP at all times where Customer's dial plan includes termination to any PSTN or PLMN.
- **Logical Partitioning.** In accordance with the notification issued by DoT (No 18-1/BS II dated 19th April, 2006), Customer may terminate the underlying network access to an EPABX and the PSTN if the EPABX is logically partitioned to prevent any flow of traffic between the public and private networks. Before ordering IP Trunking, Customer will provide a representation from Customer's EPABX supplier certifying that the supplier has implemented logical partitioning to prevent any unauthorized flow of traffic between the public and private networks. Customer will not alter the logical partitioning on the EPABX to allow unauthorized cross flow of traffic between Customer's public and private networks.

- **Compliance Audits.** During the duration of the Agreement Customer will permit Verizon and/or the national regulatory authorities of India to inspect the logical partitioning on the EPABX to confirm that it is effective.

3.12 **Regional-Specific Terms (Canada).** The following regional-specific terms apply to Customer's Sites using VoIP Service in the Canadian region.

3.12.1 **Emergency Calling.** Verizon Canada VoIP Service includes basic 9-1-1 capabilities which have certain limitations relative to the enhanced 9-1-1 capabilities that are available on most traditional telephone services. For more information on Verizon Canada basic 9-1-1 go to www.verizonenterprise.com/terms/ca/

4. SERVICE LEVEL AGREEMENT (SLA)

4.1 **SLA.** The SLA for VoIP Service applicable to Customer sites in the respective regions is set forth at the following URL for U.S./Canada Services and Europe Services:
www.verizonenterprise.com/external/service_guide/reg/cp_voip_sla.pdf

4.2 **SLA Credits.** Information provided to Customer through the VEC or through the IAC is for Customer information purposes only and is not used to calculate any service credits that Customer may be entitled to pursuant to an applicable VoIP Service SLA. Under these SLAs, the maximum amount of credit available to Customer for any calendar month is the simultaneous calling capacity monthly recurring charge (MRC) plus the applicable MRC for the related Internet Dedicated service under the Agreement.

4.3 **Enterprise Trunk Premium.** If Customer purchases Enterprise Trunk Premium (ETP), the standard VoIP Network Availability SLA threshold is enhanced to 100%. To make an ETP SLA claim for credit, Customer will request such credit within 30 business days after the month in which the ETP Network Availability SLA was not met in accordance with the standard VoIP Service SLA process guidelines at www.verizonenterprise.com/terms. For ETP-related SLA claims, Customer will note in the Comments section of the on-line credit request form that it is an ETP SLA Network Availability credit request.

5. FINANCIAL TERMS

5.1 **Optimized Service.** Customer will pay the charges for Optimized VoIP Service + specified in the Agreement, including those below, and at the following URL:
www.verizonenterprise.com/external/service_guide/reg/applicable_charges_toc.htm. Charges below are in U.S. dollars and will be billed in the invoice currency for the associated service.

5.1.1 Administrative Charges

Administrative and Supplemental Services	Nonrecurring Charge (NRC)
Expedite Fee During Normal Working Hours Outside Normal Working Hours	\$700.00 per event per location \$1,050.00 per event per location
Cancellation (cancellation of VoIP Service post-Order, prior to completion of Installation)	\$800.00 per location
Premium Services – U.S./Canada Locations Enterprise Activity Charge Administrator Activity Charge User Charge Onsite Support Remote Support	\$100 per instance \$50 per instance \$25 per instance \$125 per hour \$90 per hour
Premium Services – Europe, Asia-Pacific Locations Enterprise Activity Charge Administrator Activity Charge User Charge	\$200 per instance \$100 per instance \$50 per instance

Onsite Support	\$125 per hour
Remote Support	\$175 per hour
Service Establishment Fee – U.S./Canada Locations	
<u>During Normal Working Hours</u>	
1 – 500 telephone numbers	\$100.00 per location
> 500 telephone numbers	\$500.00 per location
<u>Outside Normal Working Hours</u>	
1 – 500 telephone numbers	\$150.00 per location
> 500 telephone numbers	\$750.00 per location
Service Establishment Fee – Europe, Asia-Pacific Locations	
<u>During Normal Working Hours</u>	
1 – 500 telephone numbers	\$250.00 per location
> 500 telephone numbers	\$500.00 per location
<u>Outside Normal Working Hours</u>	
1 – 500 telephone numbers	\$375.00 per location
> 500 telephone numbers	\$750.00 per location
Dispatch Charge	
For dispatch of Verizon technician to make Customer-requested changes – charged per occasion:	
During Normal Working Hours	\$500.00 per event
Outside Normal Working Hours	\$750.00 per event
Service Change Fee – <u>Americas (U.S./Canada/Mexico)</u> Locations	
<u>During Normal Working Hours</u>	
Simple	\$100.00 per event per location
Complex	\$300.00 per event per location
<u>Outside Normal Working Hours</u>	
Simple	\$150.00 per event per location
Complex	\$450.00 per event per location
Service Change Fee – Europe, Asia-Pacific Locations	
<u>During Normal Working Hours</u>	
Simple	\$250.00 per event per location
Complex	\$300.00 per event per location
<u>Outside Normal Working Hours</u>	
Simple	\$375.00 per event per location
Complex	\$450.00 per event per location

5.1.2 Pricing Options. VoIP Service is available with Tiered and Metered pricing options. Rates and charges will apply for International calls, national (in-country) calls, certain Local Service features, Directory Assistance, and related items. In the case where VoIP Service is purchased with Virtual Communication Express (Virtual Communications Express over VoIP), the pricing is as set forth in Section 5.1.2.3.

- 5.1.2.1 Tiered Pricing – Simultaneous Calling Capacity Charge.** Customer will pay an MRC per simultaneous calling unit multiplied by the number of simultaneous call units Customer selects. Each such simultaneous calling unit includes:
- unlimited intra-enterprise VoIP calls (VoIP origination and termination within Customer's enterprise),
 - an allotment of inter-enterprise VoIP minutes (termination is outside Customer's enterprise), based on Customer's tier selection, which further includes –
 - for U.S./Canada VoIP locations, an allotment of domestic long distance (LD) minutes and unlimited Local calling if Local Service is offered in the affected region and purchased by Customer;
 - for Europe and Asia-Pac VoIP locations, an allotment of national minutes to enable calls to non-mobile terminations. National calls to mobile terminations are subject to per-minute usage rates.

Customer will pay a per-minute charge for all minutes in excess of its allotment of inter-enterprise VoIP minutes.

If simultaneous calling units are provisioned at the location level (level available with Non-Optimized VoIP Service and Optimized VoIP Service), a minimum of one unit must be purchased for each location and allotted minutes cannot be shared between locations, nor can they be rolled over from month to month.

If the simultaneous calling capacity is provisioned at the enterprise level (level available with Optimized VoIP Service), minutes can be shared between Customer locations (with like Services, e.g., Local and LD to Local and LD), but they cannot be rolled over from month to month. Tiered simultaneous calling units cannot be provisioned at the enterprise level in the Europe and Asia-Pac regions.

Calls to international locations can also be made but are billed at metered rates.

5.1.2.2 Metered Pricing – Simultaneous Calling Capacity Charge. Customer will pay an MRC per simultaneous calling unit multiplied by the number of simultaneous call units Customer selects. Each such simultaneous calling unit includes:

- unlimited intra-enterprise VoIP calls (VoIP origination and termination within Customer's enterprise), and
- for U.S./Canada VoIP locations, local calling if Local service is offered in the affected region and purchased by Customer.

Inter-enterprise VoIP calls (termination is outside Customer's enterprise), including LD or national calls, as applicable, are billed a per-minute charge. Calls to international locations can also be made but are billed at metered rates.

Simultaneous calling units can be provisioned for metered pricing at both the location and enterprise levels for Optimized Service and at the location level for Non-Optimized Service. If simultaneous calling units are provisioned at the location level, a minimum of one unit must be purchased for each hub and remote location.

5.1.2.3 Virtual Communication Express over VoIP Pricing - Simultaneous Calling Capacity Charge. Customer will pay an MRC per simultaneous calling unit multiplied by the number of simultaneous call units Customer selects when Customer implements Virtual Communication Express over VoIP at sites in the U.S. Each such simultaneous calling unit includes:

- unlimited intra-enterprise VoIP calls (VoIP origination and termination within Customer's enterprise); and
- Unlimited U.S. domestic LD minutes and unlimited Local calling if Local Service is offered in the affected region and purchased by Customer.

Virtual Communications Express over VoIP may only be installed in sites in the U.S. Unlimited concurrent calls is only available when the U.S. site (i) uses location level concurrent calls; and (ii) implements Virtual Communication Express with VoIP.

5.1.2.4 BEST+. BEST+ is an optional billable feature available if Customer (i) purchases Optimized VoIP Service via a "right to buy" arrangement, and (ii) purchases a minimum of 200 simultaneous calling units at the enterprise level. With BEST+, Customer can exceed (or "burst") its simultaneous calling capacity if, for example, it experiences an unplanned burst of inbound/outbound voice calls. To enable BEST+, Customer will be charged an MRC based on its simultaneous calling capacity purchased at the enterprise level and its selected tier of burstable simultaneous calling units (see table below). Customer also will be charged an NRC for the maximum number of bursted simultaneous calling units attained during the affected billing period.

Simultaneous Calling Capacity		
BEST+ Tier	Per Enterprise*	Maximum Additional Simultaneous Calling Capacity
1	200 – 399	+ 50
2	400 – 799	+100
3	800 – 1,199	+ 200
4	1,200 – 1,599	+ 300
5	1,600+	+ 400

*Customer may purchase at its Per Enterprise level or below. For example, if Customer purchases a Simultaneous Calling Capacity of 1,000 calls, it is in BEST+ Tier No. 3. It can purchase the Maximum Additional Simultaneous Calling Capacity for Tier Nos. 3, 2, or 1. It cannot purchase at Tier Nos. 4 or 5 (unless it subsequently purchases additional Simultaneous Calling Capacity to advance into either of those Tiers).

5.1.3 Alternative Re-routing

5.1.3.1 **Conditions.** Alternative Re-routing is limited to 50 TNs per plan and 100 TNs per location, all TNs that Customer desires to include in the pre-defined plan must be served by the same Class 5 switch, and a plan must be invoked in its entirety when it is activated. Customer must open a trouble ticket with Verizon to invoke Alternative Re-routing.

5.1.3.2 Charges

- Set-up/Configuration: 5.5 Premium Services Remote Support hours per plan.
- Enterprise Activity Charge applies per plan activation on demand.
- Enterprise Activity Charge applies per plan de-activation on demand.

5.1.4 **Class 5 Diverse Provisioning (US).** A one-time charge of two Premium Services Remote Support hours will apply for each block of 150 DIDs provisioned to an alternate Class 5 Central Office.

5.1.5 **Installation.** If Customer requests an expedited installation at a Customer Site or requires installation at a Customer Site outside Verizon's Normal Working Hours in the applicable country, such installation shall be subject to a site survey and then will be performed on an expedited basis, if practicable, pursuant to Customer's request. As applicable, Customer shall pay an additional expedited install fee (Expedite Fee) ~~and/or the Outside Normal Working Hours rate for their any applicable~~ Service Establishment Fee ~~(e.g., After Hours or Extended Office Hours (Extended Hours)) or both~~ (see Rates and Charges in Part I, above). If Customer's request involves expedited services ~~or Extended Hours or both~~ from a third party provider ~~(a so-called e.g., a Telco)~~, Customer shall pay the associated ~~Telco charges, third party provider charges.~~

5.1.6 **LNP in Singapore.** If Customer's Service Commitment Period is two years or greater, the porting of numbers to Verizon is completed at no charge. If Customer's Service Commitment Period is less than two years, a one-time NRC per number ported to Verizon will be charged.

5.1.7 **Billing Initiation.** Billing for VoIP Service will begin on the Service Activation Date, even if Customer's numbers have not been ported to the VoIP Service.

5.2 **Non-Optimized Services.** Customer will pay the charges for Non-Optimized VoIP Service as specified in the Agreement (including any SOF). Online pricing for Services provided by a U.S. Verizon entity is at: www.verizonenterprise.com/external/service_guide/reg/r_voip_rates_and_charges.htm. Billing begins when Non-Optimized VoIP Service is available for use, even if Customer's numbers have not been ported to the VoIP Service.

6. **DEFINITIONS.** The following definitions apply to VOIP, in addition to those identified in the Master Terms and the administrative charge definitions at the following URL:

Term	Definition
Customer Facilities	Customer equipment, software, wiring, power sources, telephone connections and/or communications services necessary for Customer to use VoIP Service.
Interconnected VoIP service	Means the VoIP service (1) enables real-time, two-way voice communications; (2) requires a broadband connection from the end-user's location; (3) requires IP-compatible CPE; and (4) permits end-users generally to receive calls that originate on the PSTN and to terminate calls to the PSTN.
Simultaneous calling capacity	The maximum number of concurrent calls available at a site or enterprise, as applicable. Simultaneous calling capacity for Non-optimized VoIP Service is purchased at the location level, i.e., per Customer site. Simultaneous calling capacity for Optimized Service may be purchased at the location level or the enterprise level. For Non-Optimized Service, only off-net calls (i.e., calls that do not remain IP end-to-end, e.g., a call that terminates to the PSTN) count against Customer's simultaneous calling capacity. For Optimized Service, off-net and on-net calls count against Customer's simultaneous calling capacity.
Virtual Communications Express over VoIP	Means Verizon's cloud based PBX Virtual Communication Express that uses Verizon IP Trunking for transport.