Advanced Toll Free Proprietary Headers

IPCC creates a standard set of proprietary headers when the data to populate them is available. These headers can be passed to the customer if they choose to receive them. This can be done by provisioning the accept proprietary header flag on the IP termination via Network Manager.

TAG	Definition
X-CARRIER-ID	Value sent to identify the carrier. This field is 1-7-characters in length and the value can range from 0-999999 (i.e. 1-digits to 7-digits) CARRIER-ID: <carrier id digits> <carrier-id-digits> := {1-7} or {1,2,3,4,5,6,7} Example: X-CARRIER-ID: 0555 X-CARRIER-ID: 10222 X-CARRIER-ID: 5483

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X-CHARGE-NUM	This information is received in switch queries when the call should be billed to a different number than what is represented in the Calling Party Number. This often happens in office buildings where the call is billed to a single number for the entire building. This number will always be in international format and the field is 1-15 characters in length. Leading zeros will not be included on the actual e.164 number.

CHARGE-NUM: <charged-num digits>;<num_plan_parm>;<nat_ad-dr_parm>;<pres_parm>;<scr_ind_parm>
<charged-num-digits> := [0-9]{1,15}
<num_plan_parm> := num_plan=<unknown>|<isdn>|<private>
<unknown> := 0
<isdn> := 1
<private> := 5
<nat_addr_parm> := noa=<noa_val>
<noa_val>   :=   <unique_sub>|<unique_national>|<unique_international
>|<abbreviated
>|<non_unique_sub>|<non_unique_national>|<non_unique_interna-
tional>|<test_line>|<vnet>|<   direct_line>
<unique_sub> := 1
<unique_national> := 3
< unique_international > := 4
<abbreviated > := 5
<non_unique_sub> := 113
<non_unique_national> := 115
<non_unique_international > := 116
<test_line> := 119
<vnet> := 120
<direct_line> := 121
<pres_parm> := pres_ind=<pres_ind_val>
<pres_ind_val>   :=   <adx_allowed>|<adx_restrict>|<adx_unavail>
<adx_allowed> := 0
<adx_restrict> := 1
<adx_unavail> := 2
<scr_ind_parm> := scr_ind=<scr_ind_val>
<scr_ind_val> := <user_not_screened>|<user_screened>|<user_screen_-
fail>|<network_provide>
<user_not_screened> := 0
<user_screened > := 1
<user_screen_fail> := 2
<network_provide> := 3

Example:
X-CHARGE-NUM: 17195351212;num_plan=12345;noa=2;pres_ind=1;scr_ind=0

X-CORP-ID	Internal identifier within Verizon Business to identify services belonging to a customer. This field is 8-characters in length. CORP-ID: <customer-id digits> <customer-id digits> := [0-9]{8} Example: X-CORP-ID: 99991234
X-HOP-CNT	The HOP-CNT field shows how many Network Call Redirect (NCR, Inline Overflow) hops have occurred. Each hop is a termination that was attempted and failed. HOP-CNT: <hop-count-digits> <hop-count-digits> := [0-5]{1} Example: X-HOP-CNT: 5
X-INFO-DIG	Identifies the originating line from the caller. There are many names for this parameter: Originating Line Information (OLI), Originating Line Type Indicator, and Calling Party Category (CPC) for example. This field is 1-2 characters in length. INFO-DIG: <info-dig digits> <info-dig digits> := [0-9]{1,2} Example: X-INFO-DIG: 27
X-ORIG-CC	System parameter to identify the country of origination for the call. Consists of 1-3 characters. ORIG-CC: <orig-cc digits> <orig-cc digits> := [0-9]{1,3} Example: X-ORIG-CC: 44
X-ORIG-CDPN	Original Called Party Number received in the switch request. This field is always in international format and is 1-15 characters in length. See the CHARGE-NUM for layout of the tag values. Example: X-ORIG-CDPN: 17195351212;num_plan=12345;noa=2

X-ORIG-CGPN	Original Calling Party Number received in the switch request. This field should display in international format and is 1-15 characters in length. See CHARGE-NUM for layout of the tag values. Example: X-ORIG-CGPN: 17195351212;num_plan=12345;noa=2;pres_ind=1;scr_ind=0 X-ORIG-CGPN: 15418365042;noa=4
X-ORIG-SW	Originating Switch field in the switch request. Generally, this will be the first switch in the Verizon Business Long Distance TDM network at which the call was received. <orig-sw digits> := [0-9]{1,3} Example: X-ORIG-SW: 123
X-ORIG-TRK	Originating Trunk field in the switch request. Generally, this will be the first trunk in the Verizon Business Long Distance TDM network at which the call was received. <orig-trk digits> := [0-9]{1,4} Example: X-ORIG-TRK: 1234
X-ORIG-TYPE	The X-ORIG-TYPE field indicates the network the call originated on. This is 1 character (1,2). 1-TDM 2-IP Example: X-ORIG-TYPE: 2
X-SC-HOST	The SC Host identified which IPCC Service Controller processed the call. The format is xxx-SCy where xxx is identifies the site and y identifies the host. The site will be DNJ (Denver), CF3 (Chicago), or CHT (Charlton). Example: X-SC-HOST: DNJ-SC51

X-SUB-ADX	The Subsequent Address is the string that the dialed number was translated into. This will generally match the user portion of the Request URI.This field is 1-15 characters in length. (Could be application ID) X-SUB-ADX: <sub-adx digits>;<nat_addr_parm> <sub-adx digits> := [0-9]{1,15} <nat_addr_parm> := noa=<noa_val> <noa_val> := <unique_sub>|<unique_national>|<unique_international <blocked_national>|<blocked_international>|<information_dig- its>|<msg_play_ind>|<msg_play_adx>| <non_ported_in port_exch>|<ported_in port_exch>|<sub- _num_op_req>|<national_num_op_req>| <no_num_op_req>|<no_num_cut_thru>|<950>|<test_line>|<vnet>|<int- l_op_to_op_to_tofrom_outwz1>| <intl_op_to_op_to_tofrom_inwz1> <unique_sub> := 1 <unique_national> := 3 <unique_international> := 4 <blocked_national> := 33 <blocked_international> := 34 <information_digits> := 35 <msg_play_ind> := 36 <msg_play_adx> := 37 <non_ported_in port_exch> := 111 <ported_in port_exch> := 112 <sub_num_op_req> := 113 <national_num_op_req> := 114 <no_num_op_req > := 116 <no_num_cut_thru> := 117 <950> := 118 <test_line> := 119 <vnet> := 120 <direct_line> := 121 <intl_op_to_op_to_tofrom_outwz1> := 122 <intl_op_to_op_to_tofrom_inwz> := 123 Example: X-SUB-ADX: 010111234
X-SUPP-CODE	Contains information collected during the PSTN portion of call session processing. The information can contain any numerical values in the range of 1-30 characters. SUPP-CODE: <supp-code digits> <supp-code digits> := [0-9]{1,30} Example: X-SUPP-CODE: 010111234

X-SVC-TYPE	The SVC-TYPE field is an operational parameter that indicates the type of call session processing that was performed.
	The length of the field is one character in length, 0 –9.
	
	X-SVC-TYPE: <svc-type digits>
	
	The Service Type parameter will have the following values:
	      0 - Spare
	      1 - ADF Toll Free
	      2 - ADF LNP
	      3 - ADF Vnet
	      4 - GIS
	      5 - GVV
	      6 - C-AIN N00
	      7 – IP N00
	
	Example: X-SVC-TYPE:1

X-TRANSLATED-FREEPHONE	The Translated Freephone field is the toll free number assigned to the UIFN/ITFS 195 number. This field will always be in international format. Example: X-TRANSLATED-FREEPHONE: 18664221724

SIP INVITE Message Example

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INVITE sip:8552222430@prod.customer.globalipcom.com:5060 SIP/2.0
Via: SIP/2.0/UDP 172.31.155.77:5074;branch=z9hG4bK64rneb3030bpvknkboj0.1
c: application/sdp
To: sip:18552222430@12.181.10.77:5074
From: <sip:+19228922233@12.181.63.36:5060;user=phone>;tag=5aacb60c
P-Asserted-Identity: "SHERMAN    ,TX"
<sip:+19228922233@12.181.63.36;user=phone>
Call-ID: wlss-4c511b52-3b21cf08243fbc9813c46e1473adffe2946430-0043-9362
Contact: <sip:+19228922233@172.37.155.77:5090;sipappsessionid=app-
12629pfjb0rda;transport=udp>

Allow: INVITE, ACK, BYE, OPTIONS, CANCEL, SUBSCRIBE, REFER
User-Agent: CS2000_NGSS/8.0
Max-Forwards: 69
CSeq: 1 INVITE
Content-Length: 318

X-ORIG-SW: 736
X-SUB-ADX: 18552222430;noa=4
X-Svc-Type: 1
X-ORIG-TRK: 1288
X-ORIG-CGPN: 19228922233;num_plan=0;noa=4;pres_ind=0;scr_ind=0
X-ORIG-CC: 1
X-Orig-Cdpn: 18552222430;noa=4
X-CHARGE-NUM: 19228922233;noa=4
X-INFO-DIG: 0
X-Hop-Cnt: 0
X-SC-HOST: CHT-SC61
X-CORP-ID: 92220498
X-CARRIER-ID: 10222

v=0
o=genband 295302144 1520461429 IN IP4 172.31.155.196
s=-
c=IN IP4 172.31.155.196
t=0 0
m=audio 15780 RTP/AVP 18 0 8 101
a=rtpmap:18 G729/8000
a=fmtp:18 annexb=no
a=rtpmap:0 PCMU/8000
a=rtpmap:8 PCMA/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
a=ptime:20
a=sqn: 0
a=cdsc:1 image udptl t38
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