

EXHIBIT E

VERTICAL SWITCH FEATURES FOR UNE-SWITCHING

USOC for feature	Feature Description
3CW	Call Transfer – Trunk Side
53W	Open Switch Interval Protection
69B1X	Call Forwarding - Busy Line
69D	Call Pick-up Directed
69H	Call Forwarding - Don't Answer
69J	Call Forwarding - Busy Line
6APPK	Call Hold
6MD	Barge-In
6SY	Call Waiting Terminating
6SZ	Call Waiting Originating
9FK	Secretarial Listing
A6PPK	Additional Primary Directory Number, Per PDN
A6QPN	Additional Secondary Directory Number*
ACS	Additional Call Appearances, Per Appearance
AR5	ARS Patterns Per Facility Terminating In Patterns
ARS-B	Automatic Route Selection, Common Equip
AS9	Additional Shared Call Appearance, Per Appearance
AYK	Class Anonymous Call Rejection
B2DPK	Automatic Dial
BOV	Executive Busy Override
C4Z	Call Park
CLT	Additional Directory Listing
CMD	Customer Dialed Account Recording
CTP	Call Transfer - All Calls
CV9	Call Forwarding – Variable
CXT	Remote Access Service
D06	Secondary DN
D08	Multiple Shared Call Appearances Of A DN
DAL	Foreign Listing
DHA	Distinctive Alert
DMA	Directed Call Pick-up - Per Line, Barge-In
DO6	Secondary Directory Number
DO8	Shared Directory Number
DPB	Directed Call Pick-up - Per System
E1N	Intracall
E3D	Speed Call
E3F	Speed Calling – 30 Per Line Accessing List
E3P	Call Pick-up
E3PPK	Call Pick-up
E62	Call Waiting Dial Originating
E6D	Directed Call Pick-up - Per Line, Non Barge-In
E6G	Call Forwarding – Busy Restricted
E6GUR	Call Forwarding – Busy Unrestricted

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USOC for feature	Feature Description
E6N	Call Waiting – Intragroup, Per Line Equipped
E8C	Speed Calling 8#
E9G	Call Forwarding - Don't Answer Restricted
E9GUR	Call Forwarding - Don't Answer Unrestricted
EAB	Call Hold
EAT	Call Forwarding - Variable
EBR	Attendant Camp-On And Indication Of Camp-On
EGR	Group Use Service
EH6	Multiline Hunt Group - Circular Hunt
EH8	Multiline Hunt Group - Preferential List Hunt - First Line – Equipped
EH9	Multiline Hunt Group - Preferential List Hunt Additional Line – Equipped
EO3	Call Transfer
ERB	Call Forward Busy - Cust Activate
ERD	Call Forward Don't Answer - Cust Activate
ESC	3-Way
ESH	Convenience Dialing - Shared User
ESHT3	Speed Calling - 30 Per List
ESHT6	Speed Calling - 6 Per List
ESM	Call Forward Variable
EST	Speed Calling - 6 Per Line Accessing List
ESX	Call Waiting
ESZ	Call Waiting – Originating
ETD	Call Diversion
ETG	Call Restriction
ETQPB/BLF	Direct Station Selection/Busy Lamp Field
ETQPB/GIC	Group Intercom All Calls
ETQPB/MWI	Message Center Bus Set
EVB	Call Forward Busy – Programmed
EVBHG	Call Forward Busy - Per Hunt Group
EVD	Call Forward Don't Answer – Programmed
EVDHG	Call Forward Don't Answer - Per Hunt Group
EVF	Call Forward Busy Line Don't Answer, Forward To Outside Number
EVFHG	Call Forward Busy Line Don't Answer, Forward To Outside Number, Per Hunt Group
EVK	Call Forward Busy Line Don't Answer, Overflow
EVKHG	Call Forward Busy Line Don't Answer, Overflow, Per Hunt Group
EVO	Call Forward Busy Line, Overflow
EVOHG	Call Forward Busy Line, Overflow - Per Hunt Group
EY3PS	Network Speed Call

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VERTICAL SWITCH FEATURES FOR UNE-SWITCHING

USOC for feature	Feature Description
FAL	Additional Listing In Another Directory
FBJ	Call Forward, Busy Line – Expanded
FBJHG	Call Forward, Busy Line – Expanded - Per Hunt Group
FCU/FCY	Call Forwarding-Programmable
FDJ	Call Forward, Don't Answer – Expanded
FDJHG	Call Forward, Don't Answer – Expanded - Per Hunt Group
FGDPN	Secondary Directory Number, Per SDN
FID LNR after line USOC	Last Number Redial
FID MSB after line USOC	Make Set Busy
FID NDT after line USOC	Data Call Protection
FID PRK after line USOC	Call Park
FKAPN	Continuous Redial, Per PDN
FKDPN	Last Call Return, Per PDN
FKEPN	Selective Call Forwarding, Per PDN
FKQPN	Call Rejection, Per PDN
FNA	Alternate Call Listing
FOQ	Call Forwarding Without Call Completion
FVJ	Call Forwarding Busy Line/Don't Answer Interoffice
FVJHG	Call Forwarding Busy Line/Don't Answer Interoffice - Per Hunt Group
G5BPN	X.25 Reverse Charge Acceptance, Per Number
GFDPN	Packet Switched Data Including One X.25 Logical Channel
GSVPK	X.25 Throughput Class Negotiation
GVJ	Speed Calling - 1 & 2 Digit List
GVT	6-Way
GVV	Speed Calling - 1 & 2 Digit List
GVZ	Speed Calling - 1 & 2 Digit List
GXEPN	X.25 Fast Select Acceptance, Per Number
GXGPK	X.25 Flow Control Parameter Negotiation
H6U	Hunting – UCD - Data
H6UPG	Hunting – UCD - Data - Per Group
HBS	Last Call Return Block
HCKPG	Circular Hunting - Per Group
HDT	Hunting - Circular – Data
HDTPG	Hunting - Circular - Data - Per Group
HLA	Hot Line
HSHP	Preferential Hunting
HSO	Series Completion Per Each TN Hunted To
HTG	Hunting Feature
HX2	Call Waiting Terminating
JUL	Joint User Listing
KX9	Toll Restriction
LBN	Caller Id LIDB Listing

EXHIBIT E**VERTICAL SWITCH FEATURES FOR UNE-SWITCHING**

USOC for feature	Feature Description
M1W	Message Waiting Indicator Audible/Visible
MAZ	Analog Call Appearance
MGN	Audible Message Waiting Service
MJJPk	Conference Calling Meet Me
MO9PK	Conference Calling Preset
MUMHT	Centrex Billing; Network Access Register Sharing Capability
MV5	Visual Message Waiting Service
N13	Call Transfer/Three Way
N2D	Hunting - Sequential - Data
N2DPG	Hunting - Sequential - Data - Per Group
N3CPB	Non-Standard Configuration Group, Per Button
NAE	Shared Call Appearance, Per Appearance
NBWPn	Message Waiting Indication, Per PDN
NC8PN	Priority Call, Per PDN
NCE	Class Selective Call Forwarding
NDD	Caller ID Blocking-All Calls, Per PDN
NDK	Automatic Identified Outward Dialing
NF4VC	Calling Number Id Feature Package
NF4VF	Flexible Calling Feature Package
NGQ	Did Sequential Number Block
NGS	20 Sequential DID Numbers
NHGPg	Key Short Hunt, Per Group
NHGPN	Key Short Hunt, Per Number
NHN	Each DID Number
NHNrN	Each DID Reserved
NJEPN	Call Forwarding Variable-All Calls-Voice, Per DN
NJGPN	Call Forwarding Busy Line-All Calls-Voice, Per DN
NJKPN	Call Forwarding Don't Answer-All Calls-Voice, Per DN
NKM	Class Calling Number Delivery Blocking
NKM	Caller-ID Block Per Line
NLT	Non-Listed Service
NM1PP	Isdn Calling Name Delivery
NMCPN	Call Name Id, Per Number
NN8PK	Speed Calling (8), Per Terminal
NNK	CLASS Name /#
NPU	Non-Published Service
NQ1PN	Call Exclusion, Per DN
NQ2PN	Call Forwarding Busy Line For Circuit-Switched Data
NQMPN	Call Forwarding Don't Answer For Circuit-Switched Data
NRCJ1	Call Forwarding - Outside
NRCJ6	Call Waiting – Intragroup, Per System
NSD	Caller Identification Number
NSH	Alternate Listing

EXHIBIT E**VERTICAL SWITCH FEATURES FOR UNE-SWITCHING**

USOC for feature	Feature Description
NSK	Class Priority Call
NSQ	Class Last Call Return
NSS	Class Continuous Redial
NSW	No Solicitation Calls Directory Listing
NSY	Class Selective Call Rejection
NTU	Night Service (Trunk Answer Any Station)
NU4PN	Call Forwarding Variable-All Calls For Circuit Switched Data
NW9AL	Additional X.25 Logical Channel, Per Logical Channel
NWT	Flexible Calling Feature Package
NXJPK	Speed Calling (30), Per Terminal
NZ6PK	Six Way Conference, Per Terminal
NZHPN	Call Pick-up, Per Number
NZQ	Hunting – Sequential
NZQPG	Hunting – Sequential - Per Group
NZS	Hunting – Circular
NZSPG	Hunting – Circular - Per Group
NZT	Hunting – UCD
NZTPG	Hunting – UCD - Per Group
NZVPG	Intercom, Per Group
OBK5X	Optional Calling Plans*
OTQ	Outgoing Trunk Queuing
PLC	Code Calling
PLS	Advanced Private Line Termination
RBVXC	International Toll Block
RD7PN	Redirecting Number Delivery, Per Number
REAGF	Block Compromise Charge-Removal Of A TN From A Sequential Number Block
REAGG	Block Compromise Charge-Temporary Removal Of A TN From A Sequential Number Block
REAGM	Changing Number Of Digits Outpulsed, Per Change
REAGN	Changing Signaling, Per Change
RGE	Automatic Callback
RGG1A	Custom Ringing
RGG1B	Custom Ringing
RGG1C	Custom Ringing
RGG2A	Custom Ringing
RGG2B	Custom Ringing
RGG2C	Custom Ringing
RGG3A	Custom Ringing
RGG3B	Custom Ringing
RGG3C	Custom Ringing
RN4PP	Isdn Redirecting Name Delivery
RNCEP	Easy Number

EXHIBIT E**VERTICAL SWITCH FEATURES FOR UNE-SWITCHING**

USOC for feature	Feature Description
RNN	Distinctive Call Waiting Tone
RTV1Q	Toll Restriction – Billed Number Screening
RTV1X	Toll Restriction – Billed Number Screening
RTV2Q	Toll Restriction – Billed Number Screening
RTV3Q	Toll Restriction – Billed Number Screening
RTV4Q	Toll Restriction – Billed Number Screening
RTVXN	Restriction Of 976 Calls
RTVXQ	Toll Restriction – Billed Number Screening
RTVXY	10xxx Direct Dialed Blocking
RTY	Toll Restriction Service Individual & Key Lines
SE3PG	Hunting - Series Completion - Per Group
SE3PG	Series Completion Hunt, Per Group
SE3PN	Hunting - Series Completion - Per #
SEA	Selective Class Of Call Screening Per Access Line
SRG	Selective Class Of Call Screening Per Line Or Trunk
TW1	Talking Call Waiting
U1E	Loop Extension Technology
XLL	Directory Line Of Information
XRW,XRS	2B+D (Circuit Switched Data)*
ZNBHX	Zone 2 - With Hunting; In Central (EAS)
ZPTMX	Isdn Call Transfer Per T-1 Facility

PACKAGES

UVKBX	Call Waiting/Cancel, Speed Call 30, 3-Way Automatic Call Back, and Call Forward Variable
UVKEX	Basic Vertical Feature Package & Class Features, Call Waiting ID, Call Name & Number Delivery, Continuous Redial, Selective Call Forwarding, Selective Call Rejection, and Anonymous Call Rejection