

**EXHIBIT E**

**VERTICAL SWITCH FEATURES FOR UNE-SWITCHING**

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

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**VERTICAL SWITCH FEATURES FOR UNE-SWITCHING**

<b>USOC for feature</b>	<b>Feature Description</b>
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

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**VERTICAL SWITCH FEATURES FOR UNE-SWITCHING**

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

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**VERTICAL SWITCH FEATURES FOR UNE-SWITCHING**

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

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**VERTICAL SWITCH FEATURES FOR UNE-SWITCHING**

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

**PACKAGES**

<b>UVKBX</b>	Call Waiting/Cancel, Speed Call 30, 3-Way Automatic Call Back, and Call Forward Variable
<b>UVKEX</b>	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