

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

| USOC For Feature | Feature Description |
|-------------------------|---|
| 3BL | 3-Way Call Block |
| 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 |

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| USOC For Feature | Feature Description |
|-------------------------|--|
| E6G | Call Forwarding – Busy Restricted |
| E6GUR | Call Forwarding – Busy Unrestricted |
| 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 |

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| USOC For Feature | Feature Description |
|--------------------------------|---|
| EVO | Call Forward Busy Line, Overflow |
| EVOHG | Call Forward Busy Line, Overflow - Per Hunt Group |
| EY3PS | Network Speed Call |
| 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 |

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| USOC For Feature | Feature Description |
|-------------------------|---|
| HX2 | Call Waiting Terminating |
| JUL | Joint User Listing |
| KX9 | Toll Restriction |
| LBN | Caller Id LIDB Listing |
| 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 |
| NBWPB | 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 |

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VERTICAL SWITCH FEATURES FOR UNE-SWITCHING

| USOC For Feature | Feature Description |
|-------------------------|--|
| 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 |
| 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 |

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| USOC For Feature | Feature Description |
|-------------------------|---|
| RGG2B | Custom Ringing |
| RGG2C | Custom Ringing |
| RGG3A | Custom Ringing |
| RGG3B | Custom Ringing |
| RGG3C | Custom Ringing |
| RN4PP | Isdn Redirecting Name Delivery |
| RNCEP | Easy Number |
| 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 |

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VERTICAL SWITCH FEATURES FOR UNE-SWITCHING

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 |