Table 6-1—L2 classification fields

FIELD_CODE	Numeric Code	Field size (bits)	Description
DST_ADDR	0x01	48	Outermost MAC Destination Address.
SRC_ADDR	0x02	48	Outermost MAC Source Address.
ETH_TYPE_LEN	0x03	16	Outermost Ethernet Type/Length field, per IEEE Std 802.3, 3.1.1
VLAN0	0x04	32	*Outermost VLAN tag*. This parameter corresponds to the first VLAN tag following the SRC_ADDR field. If no VLAN tags follow the SRC_ADDR field, then the VLAN0 field does not exist.
VLAN0_TPID	0x05	16	*Tag Protocol Identifier* of the VLAN0.
VLAN0_VID	0x06	12	*VLAN Identifier* of the VLAN0.
VLAN1	0x07	32	*Innermost VLAN tag*. This parameter corresponds to the VLAN tag that follows the outermost tag VLAN0. If no VLAN tags follow the VLAN0 field, then the VLAN1 field does not exist.
VLAN1_TPID	0x08	16	*Tag Protocol Identifier* of the VLAN1.
VLAN1_VID	0x09	12	*VLAN Identifier* of the VLAN1.
UMT_DST_ADDR	0x11	48	*UMTPDU MAC Destination Address*. In UMTPDUs, this field code is eqivalent to DST_ADDR. In other (non-UMT) PDU types, this field does not exist.
UMT_SRC_ADDR	0x12	48	*UMTPDU MAC Source Address*. In UMTPDUs, this field code is eqivalent to SRC_ADDR. In other (non-UMT) PDU types, this field does not exist.
UMT_ETH_TYPE	0x13	16	*UMT Ethernet Type*. In UMTPDUs, this field code is eqivalent to ETH_TYPE_LENGTH. In other (non-UMT) PDU types, this field does not exist.
UMT_VLAN0	0x14	32	*UMTPDU Outermost VLAN tag*. In UMTPDUs, this field code is eqivalent to VLAN0. In other (non-UMT) PDU types, this field does not exist.
UMT_VLAN0_TPID	0x15	16	*Tag Protocol Identifier* of the UMT_VLAN0. In UMTPDUs, this field code is eqivalent to VLAN0_TPID. In other (non-UMT) PDU types, this field does not exist.
UMT_VLAN0_VID	0x16	12	*VLAN Identifier* of the UMT_VLAN0. In UMTPDUs, this field code is eqivalent to VLAN0_VID. In other (non-UMT) PDU types, this field does not exist.

FIELD_CODE	Numeric Code	Field size (bits)	Description
UMT_VLAN1	0x17	32	*UMTPDU Innermost VLAN tag*. In UMTPDUs, this field code is eqivalent to VLAN1. In other (non-UMT) PDU types, this field does not exist.
UMT_VLAN1_TPID	0x18	16	*Tag Protocol Identifier* of the UMT_VLAN1. In UMTPDUs, this field code is eqivalent to VLAN1_TPID. In other (non-UMT) PDU types, this field does not exist.
UMT_VLAN1_VID	0x19	12	*VLAN Identifier* of the UMT_VLAN1. In UMTPDUs, this field code is eqivalent to VLAN1_VID. In other (non-UMT) PDU types, this field does not exist.
UMT_SUBTYPE	0x1A	8	*UMT Subtype* field. This field exists in UMTPDUs only, where it is located immediately after the UMT_ETH_TYPE ~~_LEN~~ field.
XPDU_DST_ADDR	0x21	48	*xPDU MAC Destination Address*. In xPDUs (non-UMT types), this field code is eqivalent to DST_ADDR. In UMTPDUs, this field does not exist.
XPDU_SRC_ADDR	0x22	48	*xPDU MAC Source Address*. In xPDUs (non-UMT types), this field code is eqivalent to SRC_ADDR. In UMTPDUs, this field does not exist.
XPDU_ETH_TYPE	0x23	16	*xPDU Ethernet Type*. In xPDUs (non-UMT types), this field code is eqivalent to ETH_TYPE_LENGTH. In UMTPDUs, this field does not exist.
XPDU_VLAN0	0x24	32	*xPDU Outermost VLAN tag*. In xPDUs (non-UMT types), this field code is eqivalent to VLAN0. In UMTPDUs, this field does not exist.
XPDU_VLAN0_TPID	0x25	16	*Tag Protocol Identifier* of the XPDU_VLAN0. In xPDUs (non-UMT types), this field code is eqivalent to VLAN0_TPID. In UMTPDUs, this field does not exist.
XPDU_VLAN0_VID	0x26	12	*VLAN Identifier* of the XPDU_VLAN0. In xPDUs (non-UMT types), this field code is eqivalent to VLAN0_VID. In UMTPDUs, this field does not exist.
XPDU_VLAN1	0x27	32	*xPDU Innermost VLAN tag*. In xPDUs (non-UMT types), this field code is eqivalent to VLAN1. In UMTPDUs, this field does not exist.
XPDU_VLAN1_TPID	0x28	16	*Tag Protocol Identifier* of the XPDU_VLAN1. In xPDUs (non-UMT types), this field code is eqivalent to VLAN1_TPID. In UMTPDUs, this field does not exist.

FIELD_CODE	Numeric Code	Field size (bits)	Description
XPDU_VLAN1_VID	0x29	12	*VLAN Identifier* of the XPDU_VLAN1. In xPDUs (non-UMT types), this field code is eqivalent to VLAN1_VID. In UMTPDUs, this field does not exist.

Table 6-2—Actions used in CTE rules

Action	Numeric Code	Mnemonic / Description
Add a field	0xAD	`ADD(TARGET_FIELD_CODE, field_value)` This operation adds a field of the type indicated by the `TARGET_FIELD_CODE` and having the value of `field_value`.
Delete (remove) a field	0xDE	`DELETE(TARGET_FIELD_CODE)` This operation removes a field of the type indicated by the `TARGET_FIELD_CODE`. The result of the `DELETE` operation is undefined if the field indicated by the `TARGET_FIELD_CODE` is not present in the frame.
Change (replace) a field	0xCE	`CHANGE(TARGET_FIELD_CODE, field_value)` This operation replaces the value of the field indicated by the `FIELD_CODE` with the value of `field_value`. The result of the `CHANGE` operation is undefined if the field indicated by the `TARGET_FIELD_CODE` is not present in the frame.
Copy (duplicate) a field	0xD8	`COPY(TARGET_FIELD_CODE, SOURCE_FIELD_CODE)` This operation adds a field of the type indicated by the `TARGET_FIELD_CODE` with the value of the field indicated by the `SOURCE_FIELD_CODE`. The result of the `COPY` operation is undefined if the field indicated by the `TARGET_FIELD_CODE` is already present in the frame or if the field indicated by the `SOURCE_FIELD_CODE` is not present in the frame. The result is also undefined if the fields identified by the `TARGET_FIELD_CODE` and `SOURCE_FIELD_CODE` are not of the same size.