6 UMT sublayer

6.1.1.1.1 Comparison operators

The comparison operators are used when comparing fields to the value argument of a given condition element of a CTE rule. The supported comparison operators are provided in Table 6-1.

Table 6-1—Comparison operators for the CTE rules

Symbol	Numeric Code	Meaning
nop	0x00	No operation. This operation is equivalent to the operation '*true*'
exists	0xE1	True if field exists (value is ignored)
!exist	0xE0	True if field does not exist
==	0x11	Field equal to value
!=	0x10	Field not equal to value
true	0xA1	Always a match, i.e., the condition always evaluates to true
$\leq$	0x12	True if the field is less than value
$\leq$	0x13	True if the field is less than or equal to value
$\geq$	0x14	True if the field is greater than value
$\geq$	0x15	True if the field is greater than or equal to value

7 UMT configuration

7.1 Configuration UMTPDU

7.2 CTE rule TLV structure

The structure of a CTE rule TLV is shown in Table 7-1. Each *UMT_CONFIG* UMTPDU shall contain at least one CTE rule TLV.

1 **Table 7-1—CTE rule TLV structure**

Field Size (octets)	Field Name	Value	Description
1	*Type*	0xC0	Type code identifying the condition-encoding TLV
		0xAC	Type code identifying the action-encoding TLV
		0x00	Type code indicating that there are no more TLVs to process. The Length field and other fields (if present) are ignored. The TLV with Type = 0x00 shall be the last TLV in every *UMT_CONFIG* UMTPDU and it may be the only TLV in the *UMT_CONFIG* UMTPDU.
1	*Length*	L+4	The *Length* field encompasses the entire TLV, including the *Type* and *Length* fields. A TLV with length of 0x00 or 0x01 is invalid, and on reception, should be treated as TLV with Type 0x00.
1	*Operation*	per Table 6-1	Comparison operator code, if the TLV *Type* = 0xC0
		per **Error! Reference source not found.**	Action code, if the TLV *Type* = 0xAC
1	*FieldCode*	per **Error! Reference source not found.**	Identifies a field to be used in a comparison, or to be modified by an action.
L	*Value*	various	The value to be used in a comparison or by an Add/Change action. Some TLVs may omit this field.
L	*Value_Mask*	various	The mask to be applied to the value field used in a comparison. Some TLVs may omit this field. When present, the Value is ANDed with the Mask to determine whether the field being inspected is a match. Value_Mask has meaning and is applied only for the == and != operators. Value_Mask is ignored for all other operators.

2 NOTE—Fields *Operation* and *FieldCode* are present in all TLVs, even if they are not used. When these
3 fields are not used, they are set to the value of zero.

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Form
Width

Form