

2 1.1.1.1 VLCSI:VLC PDU primitives

3 *Editorial note: This is clause 4.3.1.2*

4 The VLC Client communicates with the VLC sublayer using the following service primitives:

- 5 — *VLCSI:VLC PDU.request*
- 6 — *VLCSI:VLC PDU.indication*

7 The VLCSI:VLC PDU interface (see **Error! Reference source not found.**) is optional, but if it is
8 implemented, the *VLCSI:VLC PDU.request* and *VLCSI:VLC PDU.indication* service primitives described in
9 this subclause shall be supported..

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11 1.1.1.1.1 VLCSI:VLC PDU.request

12 *Editorial note: This is clause 4.3.1.2.1*

13 1.1.1.1.1.1 Function

14 This primitive defines the transfer of data from the VLC client entity to the VLC sublayer. This primitive is
15 only relevant in the egress direction.

16 1.1.1.1.1.2 Semantics of the service primitive

17 The semantics of the primitive are as follows:

18 *VLCSI:VLC PDU.request* (
19 *msg_code*,
20 *msg_sequence*,
21 *port_instance*,
22 *rule_tlvs*
23)

24 The *msg_code* parameter specifies the 1-octet value of the MsgCode field of the VLC_CONFIG VLC PDU
25 to be transmitted.

26 The *msg_sequence* parameter specifies the 2-octet value of the MsgSequence field of the VLC_CONFIG
27 VLC PDU to be transmitted.

28 The *port_instance* parameter specifies the 2-octet value of the PostInstance field of the VLC_CONFIG
29 VLC PDU to be transmitted.

30 The *rule_tlvs* parameter specifies the variable-length value of the RulesTlv field of the VLC_CONFIG
31 VLC PDU to be transmitted.

32 1.1.1.1.1.3 When Generated

33 This primitive is generated by the VLC client entity whenever a VLC_CONFIG VLC PDU is to be transferred
34 to a peer entity.

35 1.1.1.1.1.4 Effect of Receipt

36 The receipt of this primitive will cause the VLC sublayer to perform any required parsing and transformations
37 of the request parameters necessary to encapsulate and transmit the primitive's parameters as a VLC PDU.

1 After performing these actions, the VLC sublayer asserts the MACCSI:MA_DATA.request primitive
2 according to the procedures described in 4.3.1.x.

3 **1.1.1.1.2 VLCSI:VLC PDU.indication**

4 *Editorial note: This is clause 4.3.1.2.2*

5 The semantics of the primitive are as follows:

```
6 VLCSI:VLC PDU.indication (  
7     msg_code,  
8     msg_sequence,  
9     port_instance,  
10    rule_tlvs  
11    )
```

12 The *msg_code* parameter specifies the 1-octet value of the MsgCode field of the received VLC_CONFIG
13 VLC PDU.

14 The *msg_sequence* parameter specifies the 2-octet value of the MsgSequence field of the received
15 VLC_CONFIG VLC PDU.

16 The *port_instance* parameter specifies the 2-octet value of the PostInstance field of the received
17 VLC_CONFIG VLC PDU.

18 The *rule_tlvs* parameter specifies the variable-length value of the RulesTlv field of the received
19 VLC_CONFIG VLC PDU.

20 **1.1.1.1.2.1 When Generated**

21 This primitive is generated by the VLC sublayer whenever an VLC_CONFIG VLC PDU is received from a
22 peer entity.

23 **1.1.1.1.2.2 Effect of Receipt**

24 The receipt of this primitive will cause the VLC client to perform the requested actions specified by the
25 received parameters.

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