```
+-----------------------------+
|          Ethernet           |
+-----------------------------+                +-----------------------------+
|            LLC              |                |            IPv6             |
+-----------------------------+                +-----------------------------+
|    Intradomain Routing      |                |    Intradomain Routing      |
|   Protocol Distinguisher    |                |   Protocol Distinguisher    |
+-----------------------------+                +-----------------------------+
|    Length Indicator         |                |    Length Indicator         |
+-----------------------------+                +-----------------------------+
|    Version/Protocol         |                |    Version/Protocol         |
|    ID Extension             |                |    ID Extension             |
+-+-+-+-----------------------+                +-+-+-+-----------------------+
|R|R|R|      PDU Type         |                |R|R|R|      PDU Type         |
+-+-+-+-----------------------+                +-+-+-+-----------------------+
:           :           :                      :           :           :
```