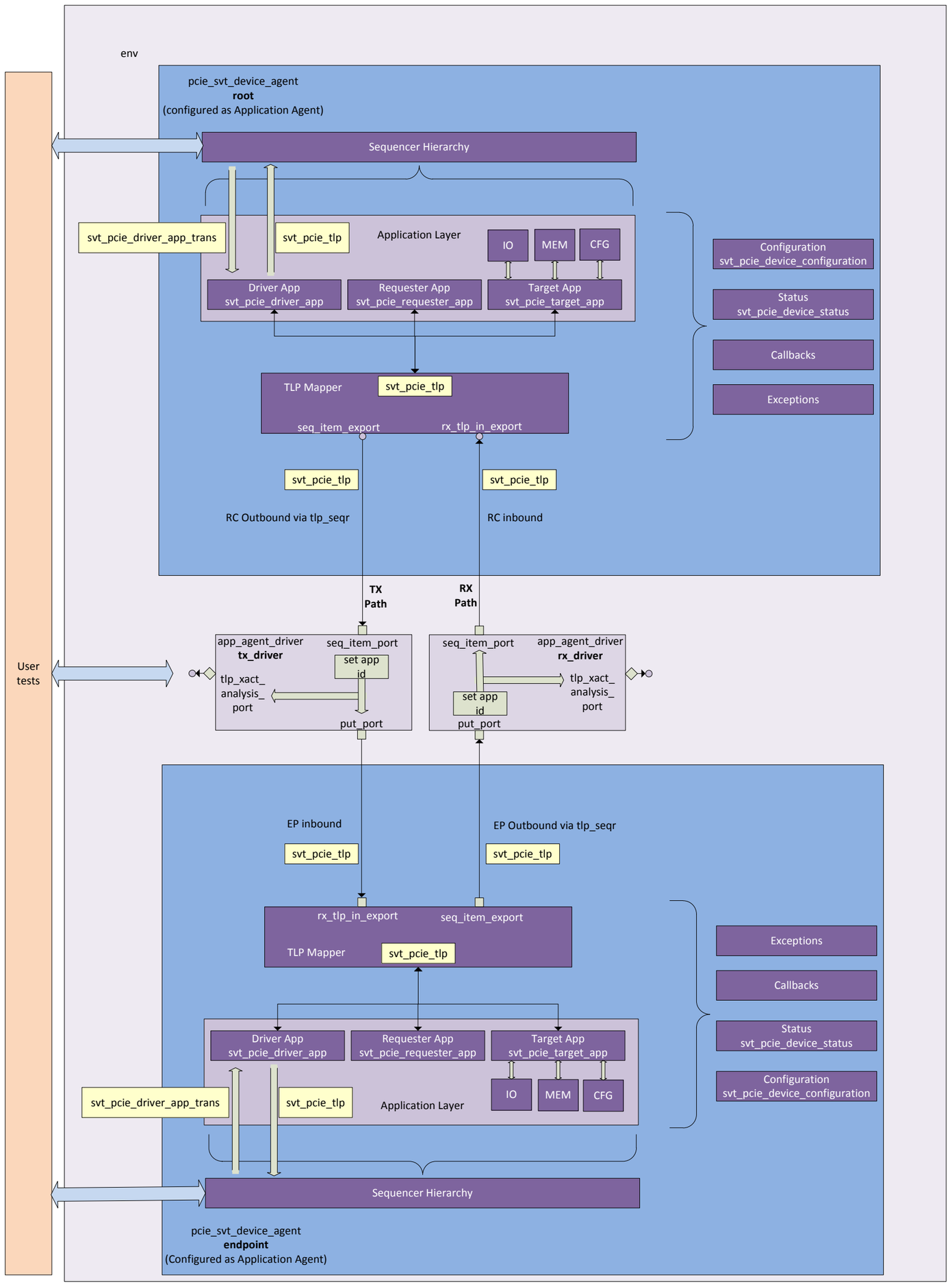

General Notes:

1) Using only the application layer we will not have a concept of flow control. It will behave similar to infinite credits.

2) There will be no protocol checks as these are contained within the TL/DL/PL which are not present.

3) As we are not driving a bus, TAT of a transaction w/o completion will be zero time. The app_agent_driver has implemented a delay prior to posting to the put_port to mimic a bus delay. This is currently set as $urandom_range(100,10). Direct edit of the source code can be done to modify. While not shown in the example, for those transactions that require completions we can set min/max range of the completion timing to model latency on the return packet(s).

app_agent_driver Notes:

1) Customer would extend or replace to implement their bus connection. Note, UVM excepted notation to elaborate on port types.

- port : box (def)
- export : circle (imp)
- diamond : analysis port

2) Provides analysis port for observability; implemented but not used in the example

3) Creates a mapping function within the driver to determine the application_id. Basic rules are, if input from driver, assume target as dest. If input from target, assume a completion thus goes to driver. If input from requester, assume dest is target. The end user will ultimately need to define the mapping as it comes from their bus.