

32.22 Class Variables

NOTES:

- 1) The **vpiWaitinProcesses** iterator on a mailbox shall show the processes waiting on the object.
-- waiting process means either frame or task/function handle
- 2) **vpiMessage** iterator shall return all the messages in a mailbox.
- 3) **vpiClassDefn** returns the ClassDefn that was used to create the handle.
vpiActualDefn returns the ClassDefn that handle object points to when the query is made. The difference can be seen in the example below:

```

class Packet
...
endclass : Packet

class LinkedPacket extends Packet
...
endclass : LinkedPacket

```

```

LinkedPacket l = new;
Packet p = l;

```

In this example, the **vpiClassDefn** of variable p is Packet, but the **vpiActualDefn** is "LinkedPacket".

- 4) **vpiClassDefn/vpiActualDefn** both shall return NULL for built-in classes
- 5) ~~**vpiClassType** can be **vpiUserDefinedClass**, **vpiMailboxClass**, **vpiSemaphoreClass**~~
- 6) ~~**vpiAccessType** can be one of **vpiPublicAcc**, **vpiProtectedAcc**, **vpiLocalAcc**~~