6. Application loads plugin

Next, the client application calls **IOCreatePlugInInterfaceForService()** ❹ with the service number (type io_service_t)

of the IOFireWireUnit shown here and a UUID corresponding to the 3rd party plugin interface. The 3rd party driver

plugin is loaded into the client application ❻. The app can now communicate with the created plugin interface.

FireWire Bus

Mac

Device

Unit

Kernel

IOFireWireController

IOFireWireLocalNode

IOFireWireDevice

IOFireWireUnit

IOFireWireUserClientInitter

/System/Library/Extensions

IOFireWireFamily.kext

3rd party KEXT   *3rd party plugin*

User space

Client Application

3rd party plugin interface, UUID = *z*

❹

IOCreatePlugInInterfaceForService()
interface UUID = *z*.

❺

(load)

IOKitLib

IOFireWireUnit properties

unit_sw_vers = *x*
unit_spec_ID = *y*

IOProviderClass = IOUserClientIniter
Plugin = "/System/Library/Extensions/3rd party plugin"
Plugin interface UUID = *z*