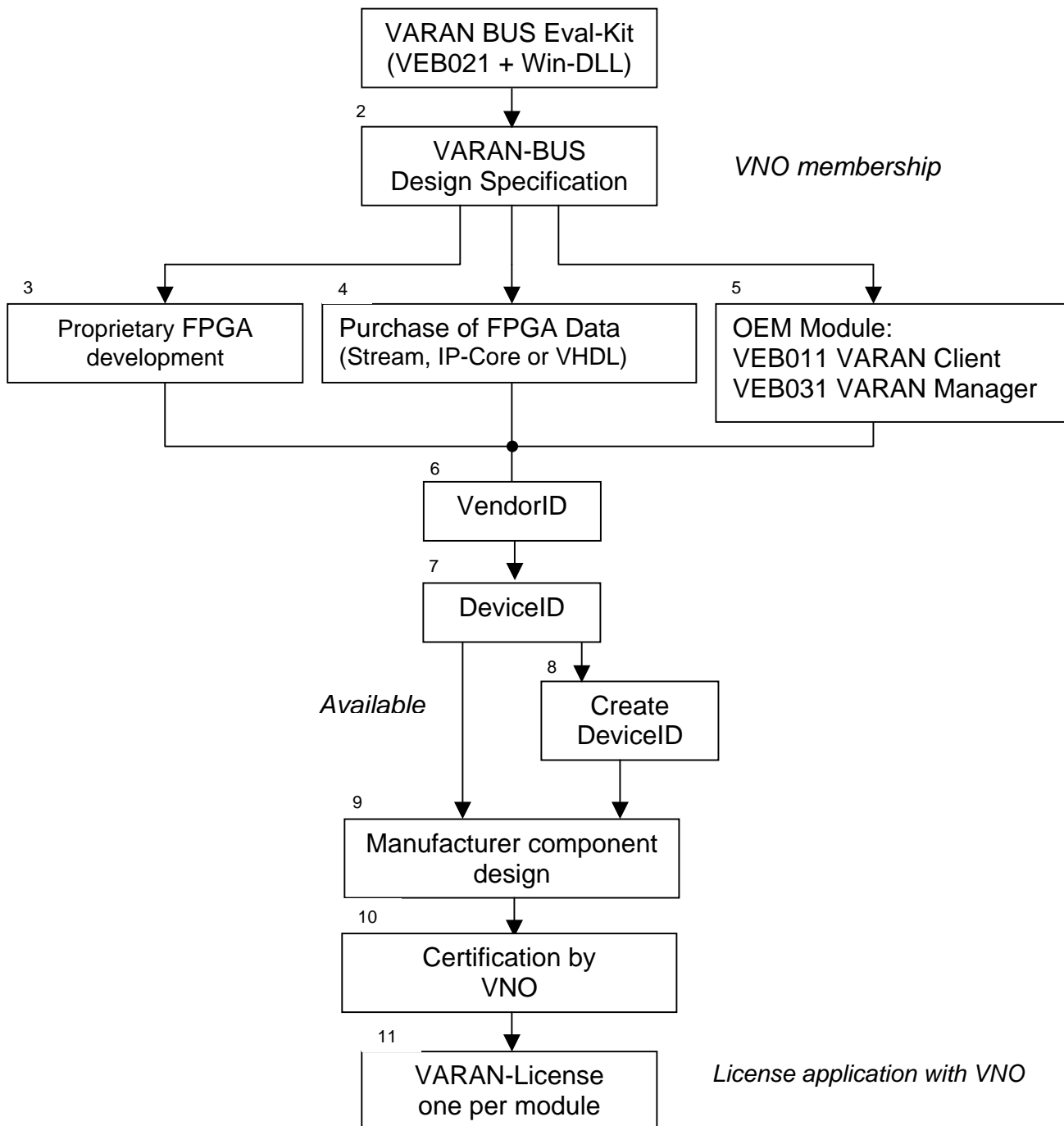


## VARAN Implementation Roadmap For COMPONENT SUPPLIERS

How is the process for a certified VARAN module?



## The steps in detail:

1. For familiarization with the VARAN bus, a VARAN bus evaluation kit (VEB021 + VEB011) with Windows DLL is available.
2. The VARAN bus specifications and VEB011 documentation are acquired with membership in the VARAN BUS USER ORGANIZATION.
3. Based on the VARAN specifications, the FPGA can be developed by the user.
4. Complete VARAN FPGA data can be obtained from SIGMATEK:
  - FPGA-Stream (unchangeable).
  - FPGA IP-Core (can be integrated in the user application)
  - VHDL-Code (open)
5. The VARAN VEB011 client board and VEB031 VARAN manager board enable a quick start. These are offered by SIGMATEK with FPGA data and without a license. Customer specific configurations are also possible.
6. The VendorID is obtained with membership in the VARAN BUS USER ORGANIZATION.
7. The DeviceID corresponding to the product is selected from a list or as in item 8.
8. Create a new specific DeviceID:  
A user-defined DeviceID for special requirements can be requested from the VNO.
9. The actual component development and combination with the VARAN interface can now be started.
10. The modules are tested for specification conformity by the VARAN BUS USER ORGANIZATION.
11. Each VARAN component, whether manager or client, requires a valid and explicit VARAN license. To acquire a VARAN license, a VendorID and membership in the VNO is required.