onTAP Licenses & DLL

Design, development, and manufacturing environments often have different needs, requirements and uses for their boundary scan tools. For example, a development or design engineer may need a solution they can share amongst themselves, with their team(s), and sometimes with manufacturing. This means they need a portable or transferable license. Whereas manufacturing may need a portable/transferable license, but also may need a tool to interface with third party test executives such as National Instruments LabVIEW or Teradyne ATE test equipment. Flynn Systems addresses this by enabling flexibility with onTAP licenses and a DLL plug-in.

Users may choose between a node locked, portable USB dongle based license or, a floating network license. USB dongles are secure devices linked to one specific onTAP license, and enable users to run onTAP tests from any machine when they connect the dongle. The network license however, is a secure, network based, license option that enables as many users as there are active, supported licenses to sign-in and use onTAP whenever, where ever it is needed.

To run from a third party test executive, onTAP Series 4000 has a DLL plug-in which enables you to use all of your onTAP tests, including memory cluster tests and FLASH programming. The onTAP DLL can also be used with your ATE In-Circuit Test equipment.

Develop, Run, Service from any Work Station

Versatile license options enable you to use onTAP's features where ever you find yourself. The USB dongle floating license provides the flexibility and security you need to develop and run tests from any machine. Floating network licenses are available for all onTAP products.

Highlights: Licenses
- Use onTAP when, where, and how you need to
- Perfect for high volume manufacturing environments.
- Highly automated
- Share flexible, reusable, reliable, automatic tests
- Network manager, for network licenses, manages active users and support.

Highlights: DLL
- Custom GUI interface
- LabView-ready or custom-test executive ready.
- Perfect for high volume manufacturing environments.
- Run flexible, reusable, reliable, automatic tests
- Use with ATE
- In-Circuit Testers.

Run with any Third Party Test Executive

DLL plug-in allows you to run all of your onTAP tests with a third party test executive: industry standard, such as LabVIEW or something your team has created. Flynn Systems will make a custom GUI for your project specifications.

DLL Application

The onTAP DLL presents a GUI in which the user may browse to an SVF file. When the Run button is selected, a test is run, test results are extracted from the TEST file and placed in the Test Results window. If failures occur, the related diagnostic messages are copied from the .FAIL file to the Diagnostic Messages window.

A history of test selections is maintained in a history_list.txt file in the folder containing the ontap.dll file so that previous selections appear in the Combo box next to the Browse button when restarting the demo. A file may be conveniently selected and run from the Combo box.