

Launching the LXI Reference Design

We proudly announce that the testing phase of LXI Reference Design has been finished by the end of 2015. During the year, the completed code was modified and refined, as feedback was given by the members of the LXI Consortium. After this process, the LXI Reference Design was passed to testing where all tests have been passed

successfully. The documents to the LXI Reference Design have been modified and completed for the launch of version 1.0.

Meanwhile work was started on the LXI Standard 1.5, which is currently in the review phase.

Now, at the beginning of 2016, we are glad to be able to launch the LXI Reference Design Version 1.0.

What's going to happen in 2016?

With the release of version 1.0 it will be very interesting to see what various T&M companies accomplish with the Reference Design. To help T&M companies, the Munich Plug Fest will provide an opportunity

for intensive support. It is planned to have a lecture on the Reference Design for all interested participants followed by a closed support session for LXI members only.

Who is TSEP?

TSEP is a software and hardware development company, which was founded in 1988 and employs more than 20 staff members with different skills.

TSEP develops complete solutions for measurement devices and test systems.

TSEP had the first experiences with LXI in 2005 while implementing the LXI Standard 1.0 for a measurement company. Over the years, TSEP has implemented the complete standard and is now working on the reference implementation for the LXI Consortium.

What is next in the LXI Reference Design?

During the last Plug Fest in February, new features have been discussed and will be added to the next version of the LXI Reference Design:

1. Creating a CMake build scheme for the Reference Design to cover Visual Studio 2013, Eclipse and gmake.
2. Creating a separate Shared Object (SO) for web servers

3. Creating a data module SO
4. Defining an interface for the network configuration including actions like LCI and receiving network changes
5. Windows 10 IoT Enterprise support including Bonjour

These features are planned to be tested during the up-coming Munich Plug Fest in June.

How is TSEP going to support vendors?

Now LXI members can begin to integrate the LXI Reference Design into their firmware. We are happy to offer support according to their needs:

- On a consultancy basis we can offer training for vendor developers. This can cover understanding the concepts, configuring the LXI Reference Design, introducing unit tests and giving an overview of the Conformance Test

Suite. After that, vendor developers will be in charge of their respective projects, with TSEP assistance on demand.

- We can offer premium support: Vendors may contact TSEP directly in case support is needed for integrating LXI Reference Design into their firmware.
- Alternatively, we can take over the integration of the LXI Reference Design into vendor firmware.