

## IEEE Registration Authority

## IEEE TEMPLATE AND/OR TEMPLATE DESCRIPTION LANGUAGE ITEM (TDL) Application

In IEEE 1451.4-2004 transducers containing transducer electronic data sheets (TEDS), data is stored according to an index called a template. Data must be written or read according to the template, since only numerical data is stored and the location and units associated with the data exist only in the template. A Transducer for a specific physical quantity requires a template associated with the appropriate physical units for that application. Templates are written in the template description language (TDL), which contains all units and physical quantities listed as TDL items. IEEE 1451.4-2004 users may register new templates and TDL items for their transducers with the IEEE Registration Authority, for publication.

As described in the standard, a company or user can create templates for use by all to whom the template description files are distributed. A template description file may be submitted to IEEE for consideration as IEEE template by the manufacturer who developed the template of significant use, under the following condition:

The submitted template must have been in use for a sufficiently long period and by a sufficient number of users to demonstrate its effectiveness and freedom from defects.

New templates and TDL items must conform with the requirements stated in the registration request process overview and pass the syntax check program.

NOTICE: The attached software is currently undergoing BETA testing. The software has not been verified for any particular purpose. USE AT YOUR OWN RISK. The software is intended solely as a tool of convenience. The software does NOT guarantee that a given product is or will be compliant with IEEE-SA Standards and is NOT intended to be used, explicitly or implicitly, to certify or assure such compliance, and you shall NOT represent or imply to others that IEEE-SA has tested, certified or otherwise approved of any product developed through use of this software.

Both the requirements document and the program are located in the [TDL programmer's start-up kit \(.zip\)](#).

The application can be faxed or mailed to the Registration Authority. Please use a separate form for each request.

The review and approval process will be completed in less than 150 days. If the application is placed on hold for any reason, the applicant has 30 days to rectify the problem. If the problem is not rectified within 30 days, the application will be terminated and the applicant can re-apply once the issue has been resolved. An assignment is received within 7 business days of approval and received payment.

Make sure that all sections of the form are completed.

## Primary Contact Information

## Secondary Contact Information

**Organization****Contact Name****URL****E-mail****Phone****Fax****Address 1****Address2****City****State/****Province****Zip/ Postal****Code****Country**

I wish to submit and have attached the following :

An IEEE 1451.4-2004 Template

TDL item

## Payment Information

**Organization will pay via**

**Check drawn on US Bank**

**Wire Transfer**

**Purchase Order (additional credit requirements)**

**Credit Card (Please call 732.465.6481 or Fax 732.562.1571)**

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Your Signature \_\_\_\_\_

Date \_\_\_\_\_

Please return completed form to:

IEEE Registration Authority

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Piscataway, NJ 08854 USA

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