

## 1. Devices with Software

- 1.1. Declaration of the manufacturer that the software is used in a fixed hardware and software environment. The manufacturer should indicate whether it's solely software or includes hardware in the system. Can the software be changed after the system has been shipped without breaking a seal? **AND**  Yes  No  N/A
- 1.2. Cannot be modified or uploaded by any means after securing/verification. With the seal intact, can you change the software?  Yes  No  N/A  
*Note: It is acceptable to break the "seal" and load new software, audit trail is also a sufficient seal.*
- 1.3. The software documentation contains:
- 1.3.1. Description of all functions, designating those that are considered metrologically significant.  Yes  No  N/A
- 1.3.2. Description of the securing means (evidence of an intervention).  Yes  No  N/A
- 1.3.3. Software Identification, including version/revision. It may also include things like name, part number, CRC, etc.  Yes  No  N/A
- 1.3.4. Description how to check the actual software identification.  Yes  No  N/A
- 1.4. The software identification is:
- 1.4.1. Clearly assigned to the metrologically significant software and functions.  Yes  No  N/A
- 1.4.2. Provided by the device as documented.  Yes  No  N/A
- 1.4.3. Directly linked to the software itself. This means that you can't easily change the software without changing the software identifier. For example, the version identifier can't be in a text file that's easily editable, or in a variable that the user can edit.  Yes  No  N/A

## 2. Programmable or Loadable Metrologically Significant Software

- 2.1. The metrologically significant software is:
- 2.1.1. Documented with all relevant (see below for list of documents) information. *The list of docs referred to exists in agenda item 5.*  Yes  No  N/A
- 2.1.2. Protected against accidental or intentional changes.  Yes  No  N/A
- 2.2. Evidence of intervention (such as, changes, uploads, circumvention) is available until the next verification / inspection (e.g., physical seal, Checksum, Cyclical Redundancy Check (CRC), audit trail, etc. means of security).  Yes  No  N/A

## 3. Software with no access to the operating system and/or programs possible for the user. This section and section 4 are intended to be mutually exclusive. Complete this section only if you replied Yes to 1.1.

- 3.1. Check whether there is a complete set of commands (e.g., function keys or commands via external interfaces) supplied and accompanied by short descriptions.  Yes  No  N/A
- 3.2. Check whether the manufacturer has submitted a written declaration of the completeness of the set of commands.  Yes  No  N/A

**4. Operating System and / or Program(s) Accessible for the User.** Complete this section only if you replied No to 1.1.

- 4.1. Check whether a checksum or equivalent signature is generated over the machine code of the metrologically significant software (program module(s) subject to legal control Weights and Measures jurisdiction and type-specific parameters). This is a declaration or explanation by the manufacturer.  Yes  No  N/A
- 4.2. Check whether the metrologically significant software will detect and act upon any unauthorized alteration of the metrologically significant software using simple software tools (e.g., text editor). This is a declaration or explanation by the manufacturer.  Yes  No  N/A

**5. Software Interface(s)**

- 5.1. Verify the manufacturer has documented:
- 5.1.1. If software separation is employed, the program modules of the metrologically significant software are defined and separated.  Yes  No  N/A
- 5.1.2. For software that can access the operating system or if the program is accessible to the user, the protective software interface itself is part of the metrologically significant software.  Yes  No  N/A
- 5.1.3. The functions of the metrologically significant software that can be accessed.  Yes  No  N/A
- 5.1.4. The metrologically significant parameters that may be exchanged are defined.  Yes  No  N/A
- 5.1.5. The description of the functions and parameters are conclusive and complete.  Yes  No  N/A
- 5.1.6. There are software interface instructions for the third party (external) application programmer.  Yes  No  N/A