FAQ SHEET Wiki-Scan 2.0

Questions & answers:

1. **Does this wiki scan application also work on stainless steel such as ss304 or titanium?**
   Yes, measurements on reflective material (stainless, aluminum) are possible. Depending on the joint geometry and the surface condition a bit more care in orienting and positioning the WiKi-SCAN might be required.

2. **What about the 25% per 100mm short imperfections according to ISO 5817, is this programmable?**
   The conditions of the standards (e.g. ISO 5817) are not directly programmed in the WiKi-SCAN. The tolerances are free programmable and need to be manually adjusted according the requirements for a certain standard on a certain weld.

3. **Is the wiki scan approved by DNV, BV or others? (not answered during webinar)**
   The WiKi-SCAN 2.0 is not officially approved by any NDT organization or body. However, the WiKi-SCAN is currently being used by CATERPILLAR and GE for their internal audits. AWS in USA is currently discussing to possibly add WiKi-SCAN to their recommended methods of measurement but this is not yet official.

4. **How well does it handle non-perpendicular joint fit-ups?**
   There are templates for non-perpendicular joint fit-ups (skewed fillet weld) available. For special cases we do recommend to do a test whether a certain template is applicable on a certain joint.

5. **Is the wiki scan a replacement for traditional VT?**
   It is complementary to the traditional VT as it allows for quick and easy measurement of the weld bead geometry (e.g. with, convexity, throat, legs, etc.). The WiKi-SCAN is not capable to detect porosities or cracks.

6. **Is there a minimum amount of light necessary for a good scan result?**
   No ambient lighting is required for the 3D measurement with the laser camera (laser triangulation). In single measurement mode also a photo of the measured spot is saved, this might turn out too dark in poor lighting conditions. To avoid this, the WiKi-SCAN has 2 LEDs that can be switched on for additional lighting of the measured region.

7. **Is outside corner weld possible?**
   No, there is no template for outside corner welds available on the WiKi-SCAN.

8. **Is language of reports only in English?**
   Currently the reports are available in English, French, German, Japanese and Chinese language. Together with De Looper NDO we will also work on the translation into Dutch. Good to know is that the language of the report can be freely changed in the report and is independent of the language settings of the WiKi-SCAN.

9. **Is the scan only applicable for metallic materials or can it also be used for example for GRE [glass-fibre reinforced epoxy] or other non-metallic materials**?
   The WiKi-SCAN is working on all materials as long as the material is not transparent or translucent.

10. **What are the limits of curvature? E.g. branches on a round pressure vessel?**
    The curvature limit depends on the field of view of the WiKi-SCAN as well as the reinforcement height of the weld and the surface conditions. We cannot specify a specific limit as this will change depending on the previously mentioned aspects. For particular parts we recommend test measurements to see if the templates match even on curved surfaces.