

August 7, 2020

**PD6500i Compliance to NIJ 0601.02**

Garrett would like to clarify the following points in regards to the PD-6500i compliance to NIJ 0601.02.

1. The PD-6500i meets all detection and discrimination requirements of the **Large Object Category**
2. The PD-6500i meets all detection and discrimination requirements of the **Medium Object Category**
3. The PD-6500i meets all detection requirements of the **Small Object Category** with the exception of the *non-ferrous* Stainless-Steel Knife Object which is detectable in some, but not all, orientations. This is due to limiting the transmission power output to ensure the magnetic fields are at a safe level and comply with NIJ safety requirements and other international safety standards such as ICNIRP. The PD-6500i will fully detect this *non-ferrous* stainless-steel knife when its size is increased by just 33% and will also fully detect *ferrous* stainless-steel knives, without the need to increase transmit power to unsafe levels. *Please be aware that in order to reliably detect this specific NIJ non-ferrous stainless-steel knife, the manufacturer claiming to fully comply with NIJ must typically increase their transmission power output to a level that exceeds NIJ and other international safety requirements.*
4. The PD-6500i exceeds the NIJ Standard. It detects real world threat objects that the NIJ standard does not address such as razorblades, hacksaw blades, wire saw blades, and other difficult objects including electronic or mobile phone components. These threat objects are of great concern to correctional facilities; excluding these objects demonstrates how the NIJ standard is outdated by not addressing real-world threats found in prisons.
5. There are additional issues related to the NIJ standard which are as follows:
  - The NIJ standard has not been stable, undergoing numerous revisions throughout the years and is still undergoing revision to address issues regarding detection requirements, etc.
  - There is no certification program offered, recognized, or enforced by the NIJ. Because of this, there is no legitimate NIJ certification.
  - Despite the claim of a particular manufacturer to be NIJ compliant, there are no WTMDs of any make or model that meet the NIJ standard. All WTMDs on the market fail some aspect of the NIJ performance requirement.
  - The NIJ test objects are simple, crude simulations of weapons and do not accurately or sufficiently represent real-world threat objects. For example, the NIJ guns do not contain dissimilar metals as found in real-world guns, nor do the NIJ guns represent disassembled guns. The NIJ knives do not include a *ferrous* stainless-steel knife which is very common and of major concern to security.
  - The NIJ standard is a public standard which means it's available to anyone, including criminals and terrorist, thereby allowing them to determine the capabilities and limitations of the NIJ standard and any security agency utilizing this standard. This is a very dangerous situation.

If you have any questions or need further assistance please let me know.

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