

## ***Metor 6 series NIJ Standard-0601.02 summary***

### **1. General**

NIJ Standard-0601.02 is the currently effective standard by National Institute of Justice defining the requirements for the Walk-Through Metal Detectors. It is aimed to assist the Law Enforcement and Correctional agencies in purchasing the Metal Detector equipment.

National Institute of Justice or any other 3<sup>rd</sup> party instance does not currently certify or approve equipment against the NIJ Standard-0601.02. In case a certificate of compliance is requested by the customers the vendors can only provide self certificates.

### **2. Object Size Classes**

The NIJ Standard-0601.02 classifies the Walk-Through Metal Detectors into the following three object size classes based on their ability to detect metal objects of a minimum size:

#### a. Large Object Size

Ability to detect handguns concealed on an individual (ferromagnetic or non-ferromagnetic)

#### b. Medium Object Size

Ability to detect knives on an individual (ferromagnetic or non-ferromagnetic)

#### c. Small Objects Size

Ability to detect, on an individual, small weapons or contraband items (ferromagnetic or non-ferromagnetic) that can be used to injure another person or to defeat security devices

The vendor should indicate clearly in which objects size class(es) the Walk-Through Metal Detector model is aimed to operate.

### **3. Metor 6 series conformity**

The Metor 6 series models conform to the different NIJ Standard-0601.02 object size classes as follows:

#### Metor 6S

Conforms to the detection requirements of the Small, Medium and Large Object Size Classes i.e. Metor 6S conforms to the requirements of all objects size classes.

#### Metor 6M

Conforms to the detection requirements of the Large and Medium Object Size Classes

#### Metor 6WP

Conforms to the detection requirements of the Large Object Size Class

***Important! – instead of full conformity we claim conformity to detection requirements of the different object size levels as defined for the different Metor 6 series models above.***

#### **4. Competition**

Ceia is currently the only competitor currently to claim the conformity to the NIJ Standard 0601.02 with their SMD 601, the direct competitor for the Metor 6S. Like the Metor 6S, the SMD 601 meets the requirements of all three object size classes.

***Note – Ceia has recently introduced a new version of the SMD 601 with improved capabilities in reducing the clean body conductivity effect as well as discrimination. It is expected they will attack us with this new model claiming its superiority in meeting the NIJ 0601.02.***

#### **5. Tenders requesting NIJ 0601.02 conformity**

a. Tenders looking for high sensitivity WTMDs and conformity to all object size classes of NIJ Standard 0601.02

=> In these cases we will be offering the Metor 6S

b. Tenders with no obvious need for a high sensitivity WTMD but requiring conformity to all object size classes of NIJ 0601.02.

=> Verify from the customer what exactly they are looking for before deciding what model to quote. (Ideally the customers are educated about NIJ 0601.02 and our product offering before they come out with the tender specifications)

#### **6. NIJ Standard-0601.02 Test Items – not yet released to sales**

Rapiscan Systems provides a Test Item Set (figure 1) for verifying the performance of the Walk-Through metal Detectors against the NIJ Standard-0601.02 detection requirements. The test item set consists of items for each Object Size Level.



Figure 1: NIJ Standard-0601.02 test item set