


Document Number: 100127651

Title: Compatibility test between CEIA Walk-Through Metal Detectors and EasyRoller2

Description of the test

WTMD models used for the test	CEIA 02PN20 WTMD for airport application CEIA SMD601 WTMD for very high sensitivity application
Item under test	EasyRoller2
Description of the test	<p>Standard wheelchair manufactured with metal components are usually generating an alarm on the Walk-Through Metal Detector during the transit therefore the person on the wheel chair cannot be properly screened using the Walk-Through Metal Detector.</p> <p>EasyRoller 2 is a special wheelchair completely metal free according to the manufacturer specifications.</p> <p>The goal of this test has been to verify the compatibility of the CEIA Walk-Through Metal Detectors models 02PN20 and SMD601 with the EasyRoller2.</p> <p>In order to verify the signals measured by the Walk-Through Metal Detector, a laptop with CEIA MD-SCOPE application has been used.</p> <p>The laptop was connected to the Walk-Through Metal Detector via RS-232.</p> <div data-bbox="363 1368 1481 2027"><p>The image shows two CEIA walk-through metal detectors standing side-by-side. The detector on the left is the CEIA 02PN20 model, and the one on the right is the CEIA SMD601 model. Both detectors have a vertical red LED strip on the left side. To the right of the detectors is a grey and black EasyRoller2 wheelchair, which is a specialized metal-free wheelchair.</p></div>

CEIA 02PN20 for airport application

CEIA SMD601 for high sensitivity application

EasyRoller2



TEST REPORT

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	<p>The two CEIA Metal Detectors has been set at the following level of sensitivity:</p> <p>02PN20 – European Airport Security Level SMD601 – NIJ0601.02 Standard – Small Object Size Class (high sensitivity application)</p> <p>The EasyRoller2 was passed through both Metal Detectors several times verifying that for each transit no signal was measured by the Metal Detector.</p>
Test results and final notes	<p>The result of the compatibility test between CEIA Walk-Through Metal Detectors and EasyRoller2 has been successful.</p> <p>It has been verified that no signal is generated in the Walk-Through Metal Detectors during the transit of the Easyroller2.</p> <p>This means that the Easyroller2 can be adopted to carry out security inspections of people who are not able to pass through the Walk-Through Metal Detector without the aid of a wheelchair.</p>

Equipment, verification tools and instruments used	<ul style="list-style-type: none">• CEIA 02PN20 for airport application• CEIA SMD601 for high sensitivity application• EasyRoller2• CEIA MDSCOPE software• RS-232 serial cable• Laptop
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