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Re: Bluetooth security compliance statements for DoD customers using Bad Elf products

The National Institute of Standards and Technology (NIST) publishes a [Guide to Bluetooth Security](#) document for DoD customers using Bluetooth-enabled products. The most recent version can be found at:

NIST Special Publication 800-121 Rev 2

<https://doi.org/10.6028/NIST.SP.800-121r2-upd1>

The statement below applies to the following Bad Elf products::

- Bad Elf GPS Pro (BE-GPS-2200)
- Bad Elf GPS Pro+ (BE-GPS-2300)
- Bad Elf GNSS Surveyor (BE-GPS-3300)

This Bad Elf product implements the Bluetooth 2.1 BR+EDR specification for wireless communication with mobile phones, tablets, and other computing devices. By default, the Secure Simple Pairing (SSP) method is used for all pairings, requiring confirmation of a random 6-digit PIN to be made by the user on both the Bad Elf accessory and the phone/tablet. 128-bit encryption is used for all wireless communications.

Based on the information above, this Bad Elf product meets the requirements of **Security Mode 4, Level 4** as specified in the [NIST Guide to Bluetooth Security \(Special Publication 800-121 Rev 2\)](#) found at: <https://doi.org/10.6028/NIST.SP.800-121r2-upd1>

NOTE: If needed for compatibility with legacy computing systems, the user can optionally disable Bluetooth pairing PIN confirmation. Doing so lowers the security level compliance to **Security Mode 4, Level 2** due to the lack of MITM protection.

The statement below applies to the following Bad Elf products:

- Bad Elf Flex (BE-GPS-5500, BE-GPS-6500)
- Bad Elf Flex Mini (BE-GPS-2500, BE-GPS-3500)

This Bad Elf product implements the Bluetooth 4.0 BR+EDR specification for wireless communication with mobile phones, tablets, and other computing devices. By default, the Secure Simple Pairing (SSP) method is used for all pairings, requiring confirmation of a random 6-digit PIN to be made by the user on both the Bad Elf accessory and the phone/tablet. 128-bit encryption is used for all wireless communications.

Based on the information above, this Bad Elf product meets the requirements of **Security Mode 4, Level 4** as specified in the **NIST Guide to Bluetooth Security (Special Publication 800-121 Rev 2)** found at: <https://doi.org/10.6028/NIST.SP.800-121r2-upd1>

NOTE: If needed for compatibility with legacy computing systems, the user can optionally disable Bluetooth pairing PIN confirmation. Doing so lowers the security level compliance to **Security Mode 4, Level 2** due to the lack of MITM protection.