

Examples of the Parameters to be Declared on the Pre-classification Form

For some common products, the technical parameters for assessment are not covered in the technical specifications. In such cases, applicants are required to provide such information as well. The list below shows examples of detailed technical information to be declared on the Pre-Classification Application Form, SC013 (Rev 2021). The list is not exhaustive. Applicants are advised to ensure that such detailed technical information is certified to be true by the technical staff of your company.

1. Microprocessor

- (a) CTP = 5,500 Mtops
- (b) The operating temperature is 0°C to 70°C
- (c) No radiation hardened

2. Computer/Server

- (a) CTP of computer system is 10,000 Mtops
- (b) Does not contain hardware/software that provides cryptographic capability on data of key length exceeding 56 bits

3. Computer Processor Upgrade Board

- (a) CTP of upgrade board is 10,000 Mtops
- (b) Ultimate CTP of computer system after upgrade is 100,000 Mtops
- (c) Does not contain hardware/software that provides cryptographic capability on data of key length exceeding 56 bits

4. Encryption Products

- (a) The key length of the product is 128 bits

5. Field Programmable Logic Devices

- (a) The equivalent usable gate count (2 input gates) is 18,000
- (b) The toggle frequency is 210 MHz
- (c) The typical basic gate propagation delay time is 3 ns
- (d) The operating temperature is 0°C to 70°C

6. Optical Fibre

- (a) Optical fibre length is 100 m
- (b) Optical fibre is capable to withstand a proof test tensile stress of 1×10^9 N/m²

7. Arms and Automatic Weapons

- (a) Calibre of the firearm is 9 mm

8. Ammunitions

- (a) Type of ammunition is rimfire.
- (b) Use in firearm having a calibre of having 0.22 inches

9. Carbon Fibre/Prepreg

- (a) Specific modulus is $13.7 \times 10^6 \text{m}$
- (b) Specific tensile strength is $27.5 \times 10^4 \text{m}$
- (c) Glass transition temperature is 130°C
- (d) Cure temperature is 135°C

10. Chemicals

- (a) Chemical composition is Na(CN)
- (b) Purity is 99%

11. Numerical Controlled Machine Tool

- (a) Model no. of numerical control unit is NC123

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