Enterprise Singapore

Circular No.: CW-CPS-2020-14
25 November 2020

BASELINE REQUIREMENTS FOR CONTROLLED GOODS (CGS) WITH INTERNET OF THINGS (IOT) FUNCTIONS

Dear Registered Suppliers,

1   This circular is to notify all Registered Suppliers of the additional requirements for Controlled Goods with Internet of Things ("IoT") functions under the Consumer Protection (Safety Requirements) Regulations (CPSR).

2   For purposes of,Controlled Good registration, the Internet of Things (IoT) function in relation to any Controlled Good shall be defined as "any function which is integrated into any Controlled Good (by way of embedded systems such as processors, sensors and communication hardware) which enables the transmission of data between the controlled good and an entity which can be initiated out of sight of the appliance, using communication means such as radio wave modulation or bus systems (remote communication). Remote communication may result in a change of appliance operation such as change of rotational speed or temperature (Remote operation)".

3   Enterprise Singapore (as the Safety Authority) will with immediate effect from **21st Dec 2020** therefore require that all such products meet the following additional requirements as set out in the below table prior to certification.

No.	Applicable Controlled Good	Additional Safety Authority's requirements for IoT Controlled Goods
1	All Controlled Goods	Protective devices present in IoT Controlled Goods shall be constructed so that they cannot be remotely adjusted or otherwise affected. Adjustment of protective devices should only be possible with direct physical access.
2	Not applicable to the following Controlled Goods categories: • Ceiling fans • Wall fans • Room air conditioners • Storage water heaters • Refrigerators • IT equipment • AV products	IoT Controlled Goods must incorporate a physical 'master switch' allowing end users to cut off all remote operation of the Controlled Good. Controlled Goods cannot be activated remotely without first being switched on via the master switch.

3	All Controlled Goods	Registered Suppliers shall have a system in place to ensure that **<u>before</u>** launching software updates, reasonable measures are exercised towards ensuring the software updates do not compromise the Controlled Good's conformity with the Safety requirements as specified by the Safety Authority.

4   Registered Suppliers can commit to meet these additional requirements via **self declaration by submitting form RS04.** Registered Suppliers will only need to submit form RS04 for Controlled Goods with IoT functions. The additional requirements do not apply to Non-IoT Controlled Goods, which will not need to be accompanied by form RS04.

5   From **21st Dec 2020**, Enterprise Singapore will not accept submissions for new registrations or renewals of Controlled Goods with IoT functions unless form RS04 is provided to demonstrate compliance to requirements 1 to 3.

6   Registered Suppliers may contact Enterprise Singapore to apply for an exemption from the requirements by providing clear reasons and supporting documentation for a particular model or product. Exemptions will be considered on a case-by-case basis.

7   For further clarification on this matter, please contact Mark Ng at Mark_ng@enterprisesg.gov.sg. You may also refer to the FAQ for further details.

Thank you.

Yours sincerely,

Mr Andrew Yap
Deputy Director
for the Safety Authority
(This is computer generated, no signature is required)