

Please find below our answers and remarks with regard to the renewal of the exemption for the maximum validity periods for No. 4(f) of RoHS annex III.

1.

We support with the wording, scope and re-requested duration of the exemption.

Specially the high power UV lamps (> 500W electrical input power) in low pressure and medium pressure technology, cannot be replaced by other technology sources such as LED's, in specific applications.

- Were high density of UV sources are needed
- No alternatives available with same UV efficiency
- High flow rates (waste water, ballast water treatment) and high UV levels are needed
- In case of varying distances between UV source and surface to be treated (for disinfection and curing applications)
- Applications that need multiple wavelengths from one UV source.

2.a

Possible substitutes are not available for high power applications.

For low power, point of use applications UV LED's are an excellent solution.

2.b

Investigation on Atmospheric Plasma could lead to interesting substitutions for some applications, again for low power systems.

2.c

Due to the complexity of the Atmospheric Plasma technology, it will take 5 to 10 years before use of this technology on a broad scale.

3.

n.a.

4.

As we are a public owned company, this information is not available for publication.

Nedap is a leading company for electronic power supplies for low- and medium pressure UV lamps for disinfection and curing applications.

For more information see: www.nedap-uv.com

Answer provided as is by Tonnie Telgenhof Oude Koehorst on behalf of Nedap on the 26th of May 2021.