

## Nemko News in Brief for April 2022

Dear Reader

The continuing sad war in Ukraine was also during April dominating global headlines, and its outcome is still most uncertain.

Amongst other headlines were:

- Still Corona-virus outbreaks in several countries.
- The precautionary Corona-lockdown in Shanghai continue, and Beijing might follow.
- Historic normalizing of relations between Israel and several Arabic countries.
- Fear of global food crisis, largely due to lack of fertilizer and climatic changes.
- Extreme rainfall in Southern Africa with devastating flooding causing many deaths and extensive damage
- Landslides in the Philippines killing many people.
- Emanuel Macron won the French presidential re-election for his second term in the office.
- UN Secretary General visiting both President Putin in Moscow and president Zelensky in Kyiv.

So, with some exceptions, global news seen this past month are mostly negative.

In any case, it is hoped that the articles of this newsletter are found to be of interest:

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Best regards

*T.Sollie*

Editor

**P.S.** If you know of colleagues or others you think should get this monthly newsletter, please refer to [this link](#) for registration

### The RoHS evolution



RoHS is short for "Restriction of Hazardous Substances", i.e. certain chemical substances (heavy metals and flame retardants), which are detrimental for humans and/or nature. The RoHS legislations covers only electrical and electronic products. It shall also enhance the possibilities and economic profitability of recycling waste products and decrease the negative health impact on workers in recycling plants.

The scope of products differs somewhat between countries/regions. In Europe, it concerns all types of electrical and electronic products that will go into normal recycling of such products.

#### **Countries/regions having already implemented RoHS are:**

- The EU/EEA member states
- The EAEU member states, i.e. Russia, Armenia, Belarus, Kazakhstan, Kyrgyzstan.
- Ukraine, -Turkey, -UAE, -Oman, -Serbia, -China, -Taiwan, -Singapore, -Japan, -South Korea, -India,
- Vietnam, -US states California and New Jersey

#### **And these will follow soon:**

- Saudi Arabia
- The other GSO member states (ex. UAE), i.e. Bahrain, Oman, Qatar and Kuwait
- Brazil

*Nemko offers manufacturers and exporters certification/verification of product compliance, based on check of technical documentation and testing of "high risk" materials, as basis for compliance marking.*

In Europe, RoHS has been mandatory since the Directive 2002/95/EC was firstly implemented in 2006, more than 15 years ago. It has since been updated/amended several times. The current version is Directive 2011/65/EU.

Now, the Commission of the European Union (EU) has launched a public consultation on this Directive, asking for input from a wide range of stakeholders on potential changes to improve this essential legislation. The consultation seeks inputs specific to several options, including supplementing the Directive with informal guidance, replacing the Directive with a Regulation to provide uniform application between the member states, or repealing the RoHS Directive altogether and integrating its key provisions into the current European [REACH Regulation](#).

More information about this consultation is available at [this link](#), which also links to a questionnaire that allows interested parties to contribute to the consultation. Comments must be submitted not later than June 2, 2022.

For further information, please contact [Kenny.Ho@nemko.com](mailto:Kenny.Ho@nemko.com) or [JonIvar.Tidemann@nemko.com](mailto:JonIvar.Tidemann@nemko.com)

## Regulatory framework for IoT launched in Pakistan



The Pakistan Telecommunication Authority ([PTA](#)) has issued a document denoted 'Regulatory Framework for Short Range Devices (SRD) & Terrestrial Internet of Things (IoT) services'.

The objective is apparently to provide a regulatory guideline for the industry, to enable the development of Internet of Things (IoT) eco-system in the country either through unlicensed/shared bands, that maybe used for Lower-Power Wide-Area Network (LPWAN) on non-interference and non-protection basis, **or** through exclusively assigned or licensed frequency bands. However, it is said that the main emphasis of this framework is to elaborate on the requirements and guidelines for the provisioning of IoT services in shared frequency bands.

The service provisioning details and general conditions are listed in the document, as well as the frequency spectrum bands for Short Range Devices ([SRD](#)), Ultra-wide band technology ([UWB](#)), Lower Power Wide Area Network ([LPWAN](#)) and their technical requirements.

PTA planned to start accepting Class LPWAN Licensing applications from 31 March this year, and to facilitate uploading of LPWAN license template, application forms and application requirement checklist "in due course".

The official announcement and the full text of the new regulatory framework is available [here](#).

For further information, please contact [Vanessa.Wen@nemko.com](mailto:Vanessa.Wen@nemko.com)

## Some good news from Ukraine



Nemko's partner organization in Ukraine, the testing & certification body UkrTest in Kyiv, stopped operating shortly after the start of the war on 24 February when Kyiv was exposed to bombardment and threatened by invasion by Russian military forces.

After the pressure on Kyiv lessened somewhat towards the end of March, the capital city has gradually come back to more normality, whereby also UkrTest has since early April been operating again.

However, local testing cannot be done at this time, and UkrTest's certification is being based on acceptable test reports provided by the applicants.

Certificates are being issued, but one may expect that the process will be a bit slower than what has been normal before. This is naturally understandable under the current circumstances with the uncertainty of the ongoing tragic war and with employees working from their home offices.

However, as even foreign diplomats are now apparently returning to their embassies in Kyiv, it may hopefully soon be more or less *back to business as usual* also concerning market access for electrical/electronic products in this Ukraine.

For more information, please contact [Lars.Hjerpseth@nemko.com](mailto:Lars.Hjerpseth@nemko.com)

## Taiwan news

### New national standards for electronics



The Taiwanese authority [BSMI](#) regulation has announced implementation of the following new safety- and EMC standards for ITC equipment and home electronics.

Standard for electrical safety:

CNS15598-1: 2020 (Equivalent to the international standard IEC62368-1:2018)

Standard for EMC (Electromagnetic Compatibility):

CNS15936: 2016 (Equivalent to the international standard CISPR32:2015)

For more information, please contact [Danny.Lu@nemko.com](mailto:Danny.Lu@nemko.com)

### Successful physical cyber security customer seminar in Taiwan



Based on noted local demands, Nemko Taiwan did on 19 April arrange its second customer seminar about cyber security this year, now physically in Taipei together with the local branch of Deloitte, which amongst other offers testing services in this area.

The theme of the seminar was updating on the regulatory situation concerning cyber security in different regions/countries and on applicable standards and certification schemes.

Much attention was given to the standard ETSI 303 645 for consumer IoT and activation of Sub-clauses 3.3 d-f in the European Radio Equipment Directive ([RED](#)), which will add cyber security requirements to the CE-marking. Attention was also given to the US federal NIST cyber requirements, the mandatory regulations for the states California and Oregon as well as the relevant requirements in China, Singapore, Korea, and Japan.

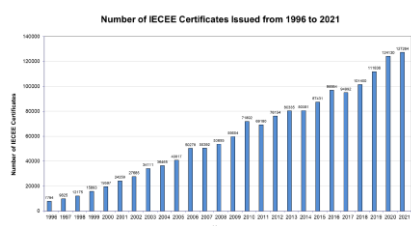
Amongst the participants were representatives of Dell, HP, Wistron, D-Link and other Netcom manufacturers in Taiwan.

Deloitte gave an update about cyber requirements for various industries, including the IEC 62443 standard series, SEMI E 187 for semi-conductors, ISO 21434 for automotive, IEC 62351 for power automation and the ISO/IEC 27000 management system for information security.

In addition, the relevant services offered by both Nemko and Deloitte were duly covered. The participants' feed-back on this seminar was very positive.

For further information, please contact [Danny.Lu@nemko.com](mailto:Danny.Lu@nemko.com)

### The annual CB scheme statistics now published



The recently released statistics by the [IECEE](#), shows another record year with totally 127 264 international CB Test Certificates (CBTCs) issued in 2021, an increase of nearly 3 % from the previous year.

The graph here shows the impressive annual growth in the number of CBTCs issued annually during the past 25 years.

There are still 54 Member Body countries in this scheme, with now totally 91 NCBs (National Certification Bodies) and 539 testing labs, of which Nemko currently has 17 in different countries.

As an issuing NCB Nemko is still among the leaders, with totally 7143 CBTCs issued last year, most of which were in the product categories HOUS (household appliances), ITAV (IT- & A/V equipment), OFF (office equipment) and TRON (audio/video equipment).

Moreover, Nemko is also still a leader regarding the number of certificates recognized by other NCBs.

Last year, Nemko CBTCs were used as the basis for 3478 national certifications in other countries, representing about 9 % of the worldwide total. These figures prove the continuing success of the Nemko Direct program for international approvals and global market access.

More information is available at [this IECEE site](#).

Amongst other, one can in the right-hand column of that site find graphs from earlier years showing in which countries most products with Test Certificates are made, and the overwhelming figures of China in this regard. (Updated graph for 2021 has not yet been issued)

For more information, please contact [skule.moe@nemko.com](mailto:skule.moe@nemko.com)

## Coming events

### **15-16 June - Nemko Canada Customer in Toronto**

For information and registration, please contact [gilles.phillion@nemko.com](mailto:gilles.phillion@nemko.com)

### **20-22 September - The IEEE/PSES symposium in San Diego, California, USA**

For information and registration, please click [here](#)

### **IEC Academy courses and webinars**

Information may be seen [here](#).

### **GSO courses in the Arabic Gulf Region**

Information about themes, places and times may be seen [here](#)

### **Receive invitations to Nemko webinars on current compliance matters**

The webinars will be conducted in English, and one will be able to access the recordings afterwards, for own use and sharing with others.

Please [register here](#).

