

# Smart Readiness Indicator (SRI) a challenge for the HVAC professional?

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The revised EPBD as approved last May 2018 includes this new SRI concept. The SRI intends to indicate how well the building systems for HVAC and other services are capable to interact with the local energy grid and energy storage capabilities. Storage of electric energy in (car)-batteries and other thermal storage capabilities as integral part of the building energy system. Buildings are to be considered as energy producers and energy users. At the same time our buildings and systems have to guaranty a healthy and comfortable indoor environment. The IEQ performance shall be an integral part of this SRI concept!

EU Commission officials reacted positive on the acceptance of the revised EPBD:

Vice-President responsible for the Energy Union **Maroš Šefčovič** said:

By renovating and making our buildings in Europe smarter, we are attaining several simultaneous objectives: lower energy bills, better health, protection of the environment and reduction of our emissions in the EU, given that over a third of these are produced by buildings. And as technology has blurred the distinction between sectors, we are also establishing a link between buildings and e-mobility infrastructure, and helping stabilize the electricity grid. Another building block of the Energy Union has been laid today, let us continue ahead.

Commissioner for Climate Action and Energy **Miguel Arias Cañete** added:

This is the first final agreement on a proposal of the Clean Energy for All Europeans Package, a signal that we are on the right track and we will deliver on our pledge made at the beginning of the mandate. Our ambitious commitment to clean energy in Europe and the Paris Agreement will be made a reality by laws like the one voted today: the revised EPBD will help create local jobs, save consumers money and improve Europeans' quality of life. It will also help combat energy poverty by reducing the energy bills of older buildings which will be renovated. I now call on the European Parliament and the Council to show leadership and complete the rest of the proposals of the Clean Energy for All Europeans Package.

In the EPBD it is stated that before the end of 2019 the SRI concept should be clear and well defined to become a nominator (or set of nominators?) expected to be included in the Energy Performance Certificate

of buildings. Ongoing studies and discussion on what to include in this SRI concept is further addressed in in this REHVA Journal issue. How one single score can address the different criteria is still an open question.

ONE SINGLE SCORE CLASSIFIES THE BUILDING'S SMART READINESS



total score is based on average of total scores on 8 impact criteria

8 IMPACT CRITERIA

energy  80%	flexibility  60%	self-generation  40%	comfort  90%	con-venience  90%	health  70%	tech. follow-up  60%	info to occupant  80%
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Proposed SRI indicator based on a catalogue of smart ready services, which functionality levels result in scoring on 8 impact criteria (see page 6).

It is urgent that the REHVA professional community actively participates in the definition of the SRI concept. It is expected that the REHVA Technology and Research Committee will actively contribute. ■



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