



ENGINEERS
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IEEE Victorian Chapter

Virtual Technical presentation Thursday 27th October 2021

on

The New ARPANSA Radiofrequency Exposure Standard



Presenter: Adj A/Prof Ken Karapidis
Assistant Director, Assessment and
Advice Section, Radiation Health
Services Branch, ARPANSA

Time: 27th October 2021
at 6:30 pm.

Abstract:

The Australian Radiation Protection and Nuclear Safety Agency (ARPANSA) in February 2021 published a new radiofrequency (RF) exposure standard (RPS S-1) to replace the old standard (RPS3) published in 2002.

The new ARPANSA standard has adopted the exposure limits of the 2020 ICNIRP guidelines and provides protection against all scientifically substantiated adverse health effects due to any RF exposure. The exposure limits have been set substantially lower than the lowest RF exposure level that science has found to cause harm and aim to protect everyone, including people of any age and health status.

The standard also includes additional restrictions for RF exposure at frequencies above 6 GHz, which is of importance to 5G and other future technologies using these higher frequencies. Apart from prescribing exposure limits the standard also includes requirements for protection of the general public and the management of risk to workers, together with additional information on verifying compliance with the limits of the standard. The new RF standard is a critical component of the Australian Government's Electromagnetic Energy Program, which aims to promote health and safety and address misinformation about RF exposure from current and future technologies like 5G."

About the Speaker:

Dr Ken Karipidis is originally a physics graduate from La Trobe University and later completed a PhD in epidemiology at Monash University. He has been working as a scientist at the Australian Radiation Protection and Nuclear Safety Agency (ARPANSA) since 2000.

He is currently the assistant director of the Assessment and Advice Section at ARPANSA where he is heavily involved in the scientific and regulatory aspects of radiation protection from electromagnetic radiation sources. He also provides expert advice and information on radiation protection to government, the public and other relevant stakeholders and leads the development of policy initiatives and best practice.

He has been a member of various national standard setting committees including the working groups developing the Australian radiofrequency exposure standard and extremely low frequency exposure guidelines.

He is currently an advisory board member at the Australian Centre for Electromagnetic Bioeffects Research and is an associate investigator at the Centre for Population Health Research on Electromagnetic Energy. From August 2015, he was elected as an SEG member and contributed to PG Knowledge Gaps. From 2018 until 2019 he serves as Chair of the PG NIR for Cosmetic Purposes. Ken Karipidis joined the Main Commission in May 2020.

Registration details:

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