

Submission from ACHES (Adult Child Health and Environmental Support)

Smart meters operate on pulsed microwave radiation and there are many scientific papers illustrating the deleterious effects of such radiation (please see the attached summary).

The government relies in ICNIRP (International Commission on Non Ionising Radiation) for the safety of the public in this arena. Generally this radiation is referred to as EMF – “electromagnetic field” radiation.

ICNIRP says the following in regard of people with pacemakers and metallic substances in their body.

“Indirect effects - Most health effects considered in non-ionizing radiation protection are direct effects. However, health effects can also arise from indirect pathways. For instance they may occur from an electric discharge arising from metallic objects charged by exposure to some types of non-ionizing radiation; these types of indirect effects are considered by ICNIRP. Other types are not, for example, heating of metallic objects in the body, such as prostheses, or an influence on the operation of medical devices such as pacemakers. The latter electromagnetic interference effects are of a technical nature and do not fall within the remit of ICNIRP.”

"Medical procedures may utilize EMFs, and metallic implants may alter or perturb EMFs in the body, which in turn can affect the body both directly (via direct interaction between field and tissue) and indirectly (via an intermediate conducting object). For example, radiofrequency ablation and hyperthermia are both used as medical treatments, and radiofrequency EMFs can indirectly cause harm by unintentionally interfering with active implantable medical devices (see ISO 2012) or altering EMFs due to the presence of conductive implants."

Also in the ICNIRP guidance is the following:

"Radiofrequency EMFs may also interfere with electrical equipment more generally (i.e., not only implantable medical equipment), which can affect health indirectly by causing equipment to malfunction. This is referred to as electromagnetic compatibility, and is outside the scope of these guidelines"

The government of course, needs to be aware of all of this, as again, it relies in ICNIRP for public safety protection.

With regard to your current consultation on smart metering – this consultation needs to comply, naturally, with the Gunning Principles. Therefore the public need to be fully informed of the ICNIRP comments in regard of pacemakers and similar, so that they can knowingly participate in the consultation.

There can be no question of course of making smart metering compulsory in the light of the ICNIRP statements, shown to you above, now that you have full knowledge of circumstance.

In addition, attached is a report on smart meters from BEMRI and a previous submission to parliament by Dr Liz Evans. We refer you to page 8 of the BEMRI/ Wimbledon Community Forum presentation.

Also attached is the Henzinger paper and which contains the following salient phrase regarding oxidative stress – a widely known precursor to cancer

“In many of these studies, oxidative cell stress is identified as the mechanism of action; the effects are **athermal**, i.e. they are observed **below the threshold of thermal damage**”

ICNIRP is about **thermal** metrics of course.

It is known that nano metallic substances have been included in vaccines for many years (please see the attached) and it has been said similar nano materials are included in dental anaesthetics. Many, many people have metal fillings, or dental implants and or metallic components in their bodies like hip replacements and so forth. Such people therefore fall outside the remit of ICNIRP.

So it could be said that a huge proportion of the British population, perhaps a majority, then fall outside the remit of ICNIRP and so must be considered accordingly in terms of protection from microwave radiation such as emitted by smart meters.

Finally, Robert Kennedy Jr has been appointed Health Secretary to the cabinet of the most important country in the world.

His department recently stated the following:

Recognition of EMFs as Environmental Stressors

- The report identifies **electromagnetic radiation** from wireless technologies as a **chronic environmental toxin**, alongside pesticides, plastics, and air pollutants.
- It emphasizes that **children are especially vulnerable** due to thinner skulls, more absorbent brain tissue, and developing nervous systems.

For all the reasons stated above, and which are becoming more and more widely known and understood, clearly the government cannot make smart metering compulsory.

Nicholas Martin

For and on behalf of Adult Child Health and Environmental Support

