

<b>Subject</b>	IARU Region 1 Technology Working Group		
<b>Society</b>	SARL	<b>Country:</b>	South Africa
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<b>Author:</b>	Hans van de Groenendaal, ZS6AKV and Nico van Rensburg, ZS6QL		

## 1. Proposal

The SARL proposes that a Technology Working Group be established in IARU Region 1, similar in status to the HF, VHF/UHF and EMC Working Groups.

## 2. Motivation

Amateur Radio has withstood the test of time because it is based on three major guiding principles:

- Communication between people,
- Continuous technology development and
- Self-education and training.”

Today, Amateur Radio finds itself a new technology emerging world where people are immersing themselves in technology as a hobby often also referred to as a techno-pastime. In the USA there has been a major emergence of scientists working with radio amateurs on various research projects. The HAMSci group (<https://hamsci.org/>) is a perfect example of this.

The SARL believes that this an opportunity to expand the horizon of radio amateurs, within the IARU and National Societies context and will create a home for science-oriented people to enhance their activities by including Amateur Radio.

It will also create an opportunity to encourage young people who are studying for an engineering or science career to join the rank of Radio Amateurs to further their interest and in the process contribute to growing amateur radio.

Promoting the involvement of more Radio Amateurs in technology and science projects also speaks to the ITU definition of the amateur and amateur satellite service.

## 3. Objectives

To develop guidelines on how National Societies and individual radio amateurs can associate themselves with science projects which speak to the objective of the amateur and amateur satellite services.

To create virtual online forums to discuss projects and invite non-amateurs to participate and share their experience. Good examples are the IARU Region 1 Noise Monitoring project, study of VHF propagation, why line of sight is not the ultimate in VHF and UHF operation, the study of space weather and the impact on HF propagation. There are many other possible projects.

To develop project guidelines and project materials.

Share outcome of project and create more awareness of how amateur radio contributes to society.