

1. EXECUTIVE SUMMARY

The mission of the SAIMC is to ensure that its members are able to fulfill their objectives efficiently and effectively.

2. WHERE DOES THE SAIMC FIT IN?

The SAIMC has some powerful allies that assist and enable it to reach its mission mentioned above.

Companies concentrate on increasing their bottom lines, market positions and products in order to remain in business and grow. The purpose of the SAIMC is to concentrate on the industry itself and ensure that influences outside of the industry (like laws, education, training etc.) are handled appropriately so that our members (members as well as Patron Members) can achieve their goals.

There are many advantages of joining forces with the SAIMC as a member, such as:

- Adding weight to the SAIMC when it comes to participating in discussions about the training curriculum within our industry and commenting on legal and other issues that influence the industry as a whole
- Adding weight behind the SAIMC when they represent this industry in identifying the reservation of work when it comes to professionals within the industry.
- Cost savings when your company and each employee needs to register their training programs for CPD (Continuing Professional Development) purposes for the professional individuals working in their industry
- Participation in the various promotions obtained by the SAIMC such as the Golf training. Golf has long been recognized as one of the unofficial communication tools within business. Here is your opportunity to get train those who have never had the opportunity. Patron members employees, whether they are members of the SAIMC or not, can also participate in this great offer.
- Exchanging of ideas of people working in this industry while at the same time adhering to the strict business conduct guidelines of the SAIMC.

Education of people within our industry as well as their registration and what work will be reserved for registered professionals in each category is governed by various acts including the Engineering Professions Act of 2000. ECSA and the various voluntary associations (of which the SAIMC is one) are responsible for many tasks in this act. The SAIMC is officially represented by more than 40 companies as Patron members working in the Automation industry.

The SAIMC also taps in to the vast resources of the ISA and Automation Federation for training material and certifications for our members.

3. STRATEGIC

The Automation, Instrumentation and Control field has always been the step child of industry when it comes to rules, regulations, laws, education and training. By adding your weight to that of the SAIMC while at the same time adhere to our strict Business Conduct Guidelines gives the SAIMC the backing they need to ensure these items are handled appropriately for the industry as a whole.

4. LEGAL

4.1. ECSA Council

The Engineering Professions Act of 2000 **paragraph 3 (1) a i** stipulates that the council of ECSA (Engineering Council of South Africa) "*must be nominated by the voluntary associations, registered persons and prescribed nominating bodies*"

This gives the SAIMC insight and participation in the activities of ECSA and this is currently happening through the President's Council of ECSA.

Paragraph 11 of the same act gives ECSA the power to "*consider and decide on any application for registration*". With the SAIMC's involvement in ECSA, this gives the SAIMC insight and participation in the registration of people within the automation, instrumentation and control fields.

Paragraph 13 (d) then gives ECSA the power to "*consult with the South African Qualifications Authority established by the South African Qualifications Authority Act, 1995 (Act No. 58 of 1995), or any body established by it and the voluntary associations, to determine competency standards for the purpose of registration*"

Paragraph 14 (e) authorizes ECSA to "*advise the Minister, any other Minister or the CBE on any matter relating to the engineering profession*"

Paragraph 18 (2) prohibits people working in any category unless they are registered in that category:

- Professional Engineer
- Professional Engineering Technologist
- Professional Certificated Engineer or
- Professional Engineering Technician

"*A person may not practice in any of the categories contemplated in subsection (1), unless he or she is registered in that category*"

Paragraph 26 of the act specifies ECSA's responsibilities with regards to the Identification of Work – work that only registered professionals may do. **Paragraph 26 1**

(a) specifically states that ECSA must consult with all voluntary associations – of which the SAIMC is one.

5. EDUCATION AND TRAINING

The SAIMC is working on an integrated model for training which will allow people of South Africa from all ages to become aware and interested in engineering:



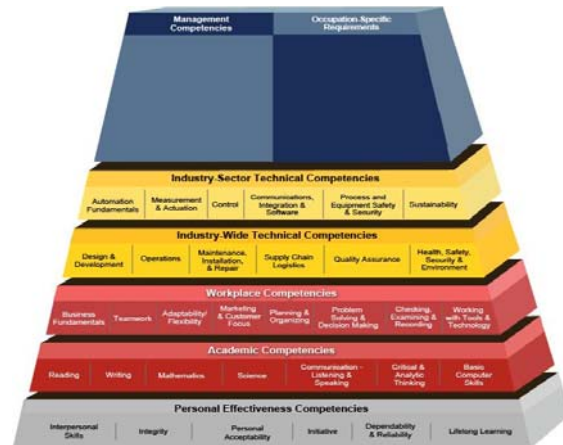
5.1. Automation Federation

The SAIMC has joined the ranks of the Automation Federation together with ISA in order to formalize the education and training of people in our industry. The following roles have already been defined together with the curriculums and job descriptions:

Current Defined Automation Positions

- Automation Technician
- Control Software Engineer
- Control Systems Engineer
- Advanced Control Engineer
- Enterprise Integration Engineer
- Automation Network Engineer
- Automation Sales-Marketing Professional

The Model



The SAIMC is currently working on ways this can be implemented within South Africa, much the same way as Project Management PMI is being implemented.

5.2. Engenius



ECSA has initiated the Engenius program, a campaign to grow and transform the engineering profession. By Patron members joining the SAIMC, they are participating in this campaign to the benefit of our youth.

In a response to address the insufficient numbers of engineering professionals available to deal with the sustained demands of the country, the Engineering Council of South Africa recognized engineering voluntary associations and stakeholders (involved in advancing the engineering profession) have committed themselves to an initiative called Engenius.

5.3. First Lego League

The SAIMC has built a trailer for the First Lego League for the purpose of taking this to schools who cannot afford their own First Lego League sets.

When the First Lego league heard of this, they donated all the sets for the trailer!

The trailer was officially commissioned in 2012 with the funds the SAIMC has received from Patron Membership fees.

