



SMIIC MC R&D Project Program



**Standards and Metrology Institute for Islamic Countries  
Metrology Council (SMIIC MC)**

**Research and Development Project Program**

**(SMIIC MC RDPP)**

Call No: 1<sup>st</sup>

Period: 2023

Date: 01.02.2023



## SMIIC MC R&D PROJECT PROGRAM

During the 10<sup>th</sup> SMIIC MC Meeting the Metrology Council decided to conduct Research and Development Projects for capacity building of the MC Members and asked for possible financial resources from the SMIIC budget (as per Metrology Council Resolution 07/2022). Immediately afterwards the Meeting, in line with the resolution mentioned, a draft R&D Project Program has been prepared to start research activities within the SMIIC MC to improve the Member States' capacity by taking part in these research activities as well as disseminating the outcomes of these projects within SMIIC MC Family. Information related to the Program as **general information**, about **budget and duration**, and **important dates** are all given below.

### 1. General Information

- a. The R&D Program Projects shall be inclusive of as many SMIIC MC Member States as possible.
- b. The project proposals shall be related to metrology science for all types of fields of application.
- c. Eligibility of the projects will be based on their scientific approach, applicability and benefit of the Member States points of view.
- d. For evaluation of the proposals a Task Force Group (TFG) will be established from the Member States and the project/s to be supported will be selected by this TFG.
- e. The selected project proposals by the TFG will be approved by the SMIIC MC for signing.
- f. All relevant Members can (and are welcomed to) take part in and contribute to the projects.
- g. One call will be prepared and opened at the beginning of every year and project/s (one or more but limited to the budget) will be selected to be supported and started at the end of the evaluation period of the Call depending on the eligibility of the project proposals.
- h. If the project proposals are not evaluated as *eligible* as a result of evaluation period of the Call, none of the project proposals will be supported for the mentioned Call.
- i. Only SMIIC MC Member states can submit a project proposal and/or take part in this program.



- j. The potential participants are expected to fulfil the *Project Preliminary Application Form (PPAF, Template-1)* where a short description of their project proposal is explained and submit it to the SMIIC MC.
- k. If a submitted project proposal is selected to the second stage then the *Project Protocol and Management Plan (PPMP, Template-2)* shall be fulfilled in accordance with the SMIIC MC R&D *Research and Development Project Guide (RDPG, Guide-1)*.
- l. For the selected proposals two documents shall be submitted to the SMIIC MC Secretariat to be evaluated at the second stage period: The *Project Protocol and Management Plan (PPMP, Template-2)*, a word document, and *Budget Calculations and Gantt Chart (BCGC, Template-3)*, an excel document used for calculations to be included into the PPMP.
- m. There will be three types of projects within the Program:
  - i. scientific research
  - ii. development of measurement standards
  - iii. establishment of legal metrology infrastructure (documentation)
- n. Scope of the project types is summarized as follows:
  - i. scientific research projects  
The scope of this type of the projects comprises scientific research completely related to metrology in all fields of application (physical and chemical metrology, Halal life, health, and all others) by making use of the participants' laboratory infrastructure. There shall not be development, establishment or purchasing any complete machine, device or system. The budget will be used for consumables, services, small parts of the present systems/devices, travels, publications, consultancies etc.
  - ii. development of measurement standards projects  
The scope of this type of the projects comprises development of primary measurement standards to improve the CMC (Calibration and Measurement Capability) of NMIs/DIs of the Member States. Design, production, installation and metrological characterization, briefly speaking development of, a primary system will be the main scope of the project. This primary measurement standard shall be the one that no Member has at the time of the project is proposed or if it exists then it shall be a new version far beyond the state of the art in the SMIIC MC Family. The budget will be used for development (design, production, hardware and software) and establishment of the system as well



as consumables, services, sensors, mechanical parts, comparisons, travels, publications etc.

iii. establishment of legal metrology infrastructure (documentation)

This type of the project covers preparation of the relevant documentation for establishment of legal metrology laboratories in the most important and most widely used fields and ranges. The budget will be used for consumables, travels, publications etc.

- o. Project outcomes will be used for benefit of all MC Members. In the *scientific research* and *establishment of legal metrology infrastructure (documentation)* projects the outcomes will be shared with the Members for their use, in the case of *development of measurement standards* the developed systems will be used to provide traceability to all Member States free of charge for 5 years after completing the project.

## 2. Budget and Duration

- a. The maximum project budget to be provided by SMIIC for all types is 100 k\$.
- b. This amount can be completely used for *scientific research* and *establishment of legal metrology infrastructure (documentation)* projects.
- c. If the budget is requested for *development of measurement standards* then project proposer NMI/DI can ask for a budget from SMIIC up to the same max value mentioned but the proposer NMI/DI shall make contribution by one third of the total amount. This means 1/3 of the total budget shall be provided by the project proposer NMI/DI and the remaining 2/3 shall be provided by SMIIC which can be the max mentioned above that is 100 k\$ (i.e. for the max budget support 50 k\$ will be provided by the project proposer NMI/DI and 100 k\$ from SMIIC that makes a total of 150 k\$).
- d. Scientific research and establishment of legal metrology infrastructure (documentation) projects' duration is (12 – 24) months.
- e. Development of measurement standards projects' duration is (18 – 36) months.
- f. The projects will be realized by a consortium in which experienced NMIs/DIs in the relevant field will take part.

## 3. Important Dates

- a. Announcement of the SMIIC MC R&D Program: 01/02/2023.
- b. Potential project proposal submission deadline (with *Project Preliminary Application Form (PPAF)*): 22/02/2023.



- c. Notification of acceptance of the potential proposals: 10/03/2023.
- d. Project proposal submission deadline (with *Project Protocol and Management Plan (PPMP)*): 21/04/2023.
- e. Evaluation of the projects and notification of acceptance: To be discussed and decided during the 12<sup>th</sup> SMIIC MC Meeting (26-27 April 2023).
- f. Signing and starting date: To be discussed and decided during the 12<sup>th</sup> SMIIC MC Meeting (26-27 April 2023).

**NOTE: SMIIC MC R&D Project Program Related Documents**

- 1. Template-1: Project Preliminary Application Form (PPAF)
- 2. Template-2: Project Protocol and Management Plan (PPMP)
- 3. Template-3: Budget Calculations and Gantt Chart (BCGC)
- 4. Guide-1: Research and Development Project Guide (RDPG)