The International Union Against Tuberculosis and Lung Disease (The Union) is an international scientific organization headquartered in Paris with a mission towards providing Health Solutions to the Poor. A leader in the field of TB, it works closely with leading international, regional and local TB control agencies, including the World Health Organization (WHO).

The Union prioritises the health care needs of low-and-middle income countries. It is a pathfinder organization that develops, promotes and evaluates cost-effective strategies in collaboration with National Ministries of Health and national and international partners. Its technical work focuses on three main pillars: (1) technical support to public health programs, (2) training, and (3) operational research. The Union’s core values are the quality of its technical work, independence, accountability with an emphasis on critical evaluation and solidarity with countries with limited resources.

The Union’s Country Office for Myanmar, located in Mandalay, Myanmar, invites applications from personnel working in the Union Office, in offices of other non-governmental organizations in Myanmar, in public health disease programmes within the Ministry of Health and in the Department of Medical research, Ministry of Health for a National Operations Research Training Course. This course is conducted by The Union through a grant from the Department for International Development, United Kingdom. This a “SORT IT” (Structured Operational Research and Training Initiative) course and is conducted under the umbrella of the Special Programme for Research into Tropical Diseases at the World Health Organization (WHO-TDR). The course will be led by The Union, in partnership with Médecins Sans Frontières, and will be facilitated by various SORT IT partners. SORT IT supports organisations, projects and countries to undertake operational research in accordance with their own priorities, develop adequate and
sustainable operational research capacity, and create an organisational culture of policy and practice being informed by operational research, leading to improved programme performance.

The initiative teaches the practical skills needed to undertake and publish operational research. The course duration is 10 months with 3 modules with clear milestones and measurable targets. Failure to fulfil the expected outputs linked to each module implies the candidate does not return for the next module. Participants go through the whole research process and complete the course with a defined product which is a peer-reviewed manuscript to be submitted for publication in peer-reviewed scientific journals.

**Purpose:** To develop the practical skills for conducting operational research and publishing the findings

**Course curriculum:** The course comprises three modules which will be held at The Thingaha Nay Pyi Taw, as follows.

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**Module 1: Research Questions and Protocol Development – August 07-12, 2017**

This will be a six day module to help participants develop a thorough understanding about what operational research is all about and to ensure that a draft research protocol is produced before they completion of the module. The teaching will be through lectures, discussions, exercises and use of completed and published operational research as examples, and participants will have the opportunity to present and discuss their written protocols with the facilitators. This six-day module will continue with Module 2.

**Brief content overview**

- Introduction to Operational research
- Developing research protocols
- Common terminologies in research - Patients and data
- Asking the right research questions
- Basic data analysis
- Aims and Objectives - Ethics

*(Key Deliverable Output: A Draft Scientific Protocol)*

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**Module 2: Data management and data analysis – August 14 – 19, 2017**
This will be a six-day module to help participants understand data management and data analysis. The module will consist of:

2 days: Data entry (Ensure efficient quality assured data entry)
2 days: Data analysis
1 day: Application of learning on specific projects
1 day: Plenary and feedback

Brief content overview

- Designing an efficient data entry instrument
- Making an efficient computer data entry questionnaire
- Entering and validating data entry
- Introduction to data analysis
- Producing relevant analysis results in tabular form
- Daily homework on own electronic data entry instrument

(Key Deliverable Output: Draft electronic data entry instrument and a plan of analysis)

Module 3: Scientific paper writing – May 11 – 18, 2018

This will be a seven-day module to help participants write their scientific papers and deal with on-line submission and editors’ and reviewers’ comments

Brief content overview

- Learn the principles of writing a scientific paper
- Learn how to deal with peer review

(Key Deliverable Output: Draft paper to be submitted to a scientific journal)

3. Faculty for the course

The course will be conducted by the experienced and reputed faculty from The Union’s Centre for Operational Research, Médecins Sans Frontières (Brussels/Luxembourg), World Health
Organization, collaborating University partners and the successful participants of the earlier courses who have now graduated to become faculty.

4. What does the participant’s organisation gain?

- A person who is well trained in operational research and can help their program or institution undertake relevant operational research to identify challenges and improve programme performance in a sustainable manner.
- This will be a “pioneering initiative” giving rationale for longer term contracts, a career opportunity including the possibility of pursuing a PhD in the field of operational research. The approach will strongly complement “innovation” within routine operations and contribute to critical reflection on program orientation and its impact over time.
- The initiative would also foster medical staff-retention and attract qualified staff and reduce turn-over which may hamper continuity of research initiatives.

5. What does the participant gain?

- Practical skills for undertaking the entire operational research process from concept to publication
- The experience of learning and sharing knowledge within a team of motivated participants and talented facilitators in operational research (who act as mentors) from different countries.
- An opportunity to excel and gain visibility in operational research and to prepare for increased research responsibilities and research leadership in their country
- Possibilities of submitting published papers and eventually acquiring a PhD in operational research. Fellowships in operational research can be provided to promising and interested candidates, as a way of fostering longer term retention and career opportunities at the program level. In particular, links have been made with universities to link the fellowship program with an eventual PhD in operational research.
- Participants are strongly encouraged to help train and eventually lead others (as mentors) to maximise long term capacity development and impact. The philosophy used is “see one, do one, teach one”

6. Course follow-up
• In between the modules 2 and 3, candidates will return to their respective health programmes/projects to continue their routine work and in addition collect the data pertaining to their research projects.
• Participants will be contacted intermittently after course completion to determine accomplishments and policy and practice impact of their studies. They will also become part of an operational research “alumni” organisation. A specific website forum has been developed to foster interaction.
• Course facilitators will be available to provide advice upon request.

7. Criteria for successful applicants

a) Involved actively in the running of a national or state or NGO programme or major health institution in a program or disease specific field (TB, HIV, lung health, tobacco control, communicable or non-communicable diseases)

b) Provide written commitment to attend all three modules of the training course, return to their programme or institution after the course and implement course knowledge at programme level for a minimum of at least 18 months.

c) Provide a written statement from the supervisor or coordination/operations or relevant authority attesting to the investment of resources and granting the applicant permission to have time and opportunity to carry out and publish operational research and adhere to all the course milestones and timelines

d) Provide a written statement from a mentor (if available) describing how the mentor knows the candidate and how the mentor proposes to provide support to complete the course successfully.

e) Ability to mobilize the funding required to carry out operational research

f) Outline a half page of text that a) describes a problem that the candidate has identified within a given program and b) formulates a research question that is proposed to be developed into an operational research project. Please note that the research questions using already available routine programme data are preferred as prospective studies are unlikely to fit into the time-line and expected outputs of the course.

g) Masters in Public Health (MPH) or an equivalent, or a strong recommendation

h) Fluent in written and spoken English

i) Computer literate

Female candidates meeting the above criteria are strongly encouraged to apply.
8. Research Questions – guidance

In your application you will be asked to formulate and submit a research question based on a perceived problem within the programme or health system in which you work. The research will have to be carried out within a 6 - 8 month time frame and therefore we strongly encourage simple research projects that are based on monitoring and evaluation data that are already collected and available in registers or treatment cards. Prospective studies and studies involving patient interventions and patient questionnaires are less likely to be accepted as suitable for this course as they cannot usually be completed within the time frame.

9. Sponsorship

We will provide a full scholarship to successful applicants (12 numbers). The scholarship includes all tuition fees, travel expenses, meals and accommodation.

10. Application deadline: XXXXXX, 2017

Complete applications (along with all the other required documents) may be sent by e-mail or post with a subject “Application for Myanmar SORT-IT Operations Research Course-2017” to:

Mai Nyi Myint Maung,  
International Union Against Tuberculosis and Lung Disease (The Union)  
No.36, 27th Street, Between: 72nd and 73rd Street, Mandalay, Myanmar.  
Tel: +95 11-201182 +95 2 71082 Fax:+95 2 71082  
Email: mainyimyintmaung@theunion.org

The course administrative assistant may also be contacted for any clarifications.

Note:

1. Failure to provide all of the above requested information will result in the rejection of your application. Incomplete applications will be discarded.
2. The decision of The Myanmar Union office will be final in matters related to the selection to the course. You will not be able to pursue any dispute related to selection matters legally. Apply to the course only if you agree to this condition.
3. Please note that all supportive documents must be in Word or PDF format.