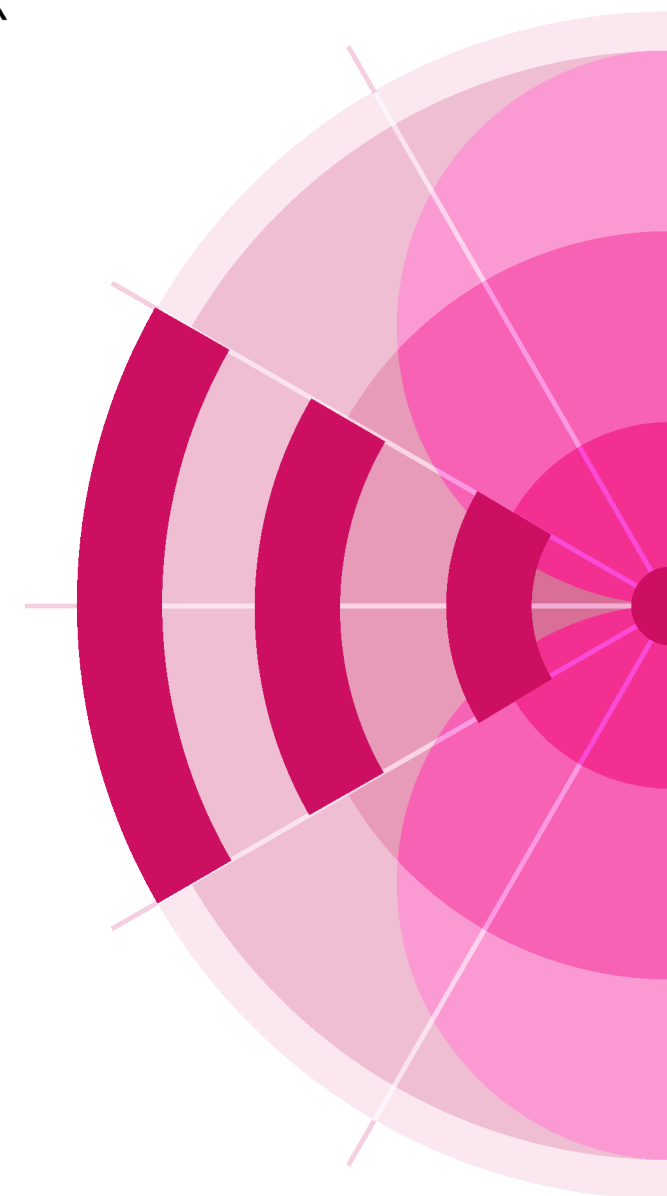


ITUWRS
ONLINE2020

29TH WORLD RADIOCOMMUNICATION SEMINAR

30 November - 11 December 2020

ITU Spectrum Management Training Programme (SMTP) at a glance



www.itu.int/go/wrs-20

#ITUWRS



PRESENTATION OUTLINE

Addressed Problem and Solution

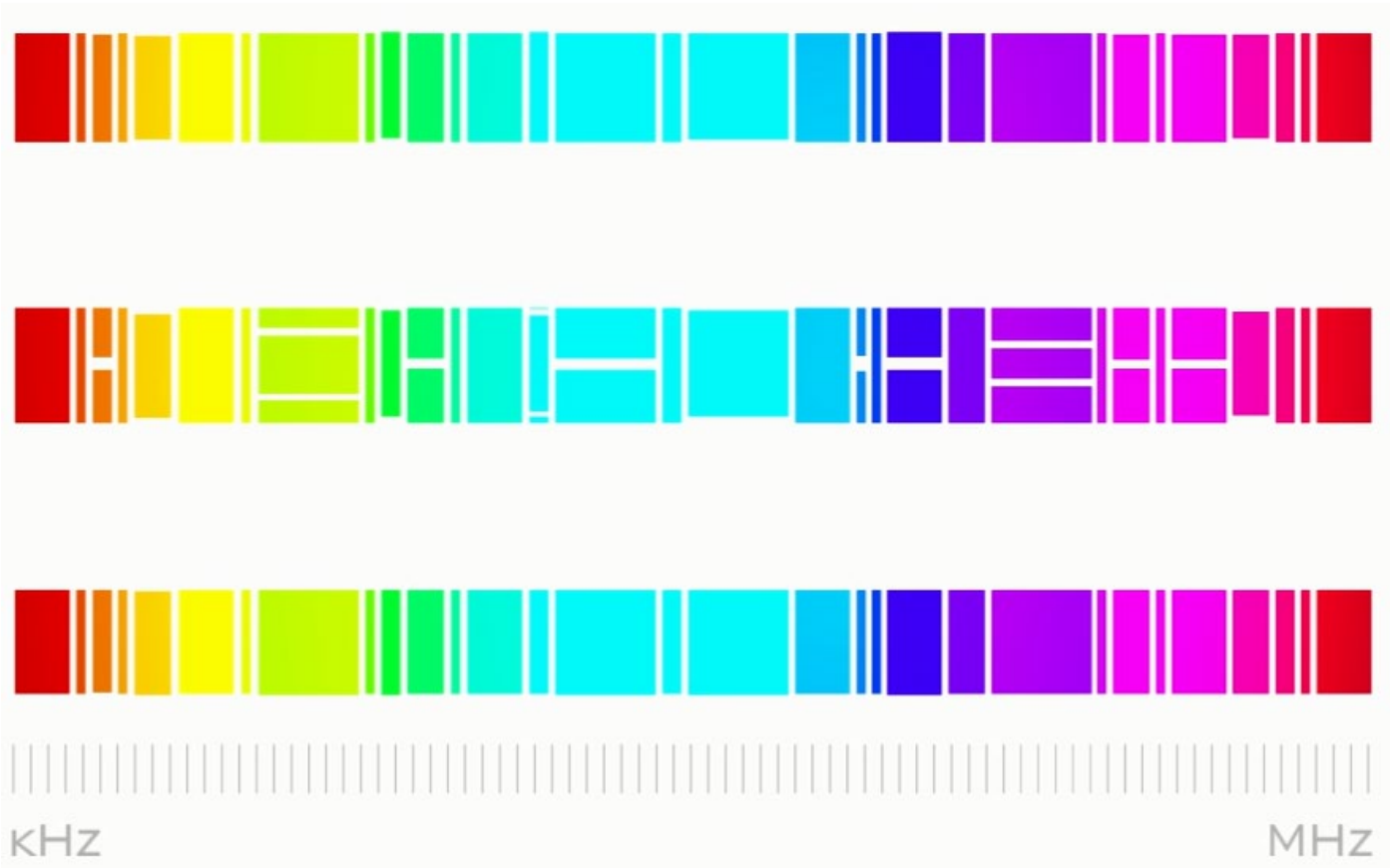
Structure, Composition and Certification Routes

Latest Developments

Delivery



Addressed problem



- **No formal holistic SM education programmes;**
- **Current training in SM achieved through secondments in large administrations;**
- **Small administrations who cannot use secondments are not able to train.**

The Solution

The ITU establishes the SMTP:

- Access to state-of-the-art holistic SM training and forward-looking professional vision;
- Formalized assessment;
- Certification to give international recognition, with possible option of university credits/diploma.



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SMTP SPECTRUM MANAGEMENT TRAINING PROGRAMME

AN ITU ACADEMY INITIATIVE



<http://academy.itu.int>



SMTP Modules Structure



16 Modules in total



9 Modules at Basic level and 7 Modules at Advanced level



Basic Level:

3 Obligatory modules
1 Elective out of the
6 Electives



Advanced Level

2 obligatory
2 Elective out of 5
Electives.

Composition of the programme- Basic Level

Obligatory Modules (OM):

- OM1 Legal Basis and Regulatory Framework of SM
- OM2 Spectrum Engineering Fundamentals
- OM3 Wireless Telecommunications Technologies

Elective Modules 1 (EM 1)

- EM1-1 Spectrum Monitoring
- EM1-2 Enforcement and Type Approval of Equipment
- EM1-3 SM for Satellite Systems
- EM1-4 SM for HF Systems, Science, Maritime and Amateur Services
- EM1-5 SM for Aeronautical and Radio Determination Services and Military Systems
- EM1-6 Computer-aided Spectrum Management

Composition of the programme-Advanced Level



Obligatory Modules (OM):

OM4 Economic and Market Tools of Spectrum Management

OM5 Strategic Planning and Policies for Wireless Innovation



Elective Modules (EM2). Legal Specialization:

EM 2-1 Advanced Spectrum Authorization Regimes

EM 2-2 Socio-Economic Impact of Spectrum Regulation; Competition and Consumer Protection



Elective Modules (EM2). Technical Specialization:

EM 2-3 Terrestrial TV Broadcasting Planning and Digital Transition

EM 2-4 Opportunistic Spectrum Access and Cognitive Radio

EM 2-5 Electro Magnetic Fields and Health

GUIDELINES FOR TEACHERS:



Power Point slides to fill 30 hours of lecturing per module



20 slides per lecture with a total of 600 slides per module



10 hours of tasks for practical exercises / lab (where applicable) per module



Exam quest for testing (50-100 questions)

GUIDELINES FOR STUDENTS:



125 hours per module, 40 hours of classroom training



4-5 weeks – module duration



All modules can be completed in no more than 1 year



60-90 European Credit Transfer and accumulation System (ECTS) credits for the whole SMTP



Combination of face-to-face sessions, remote teaching and self-studies



Formal assessment the end of module

PROGRAMME DURATION

Certification Routes

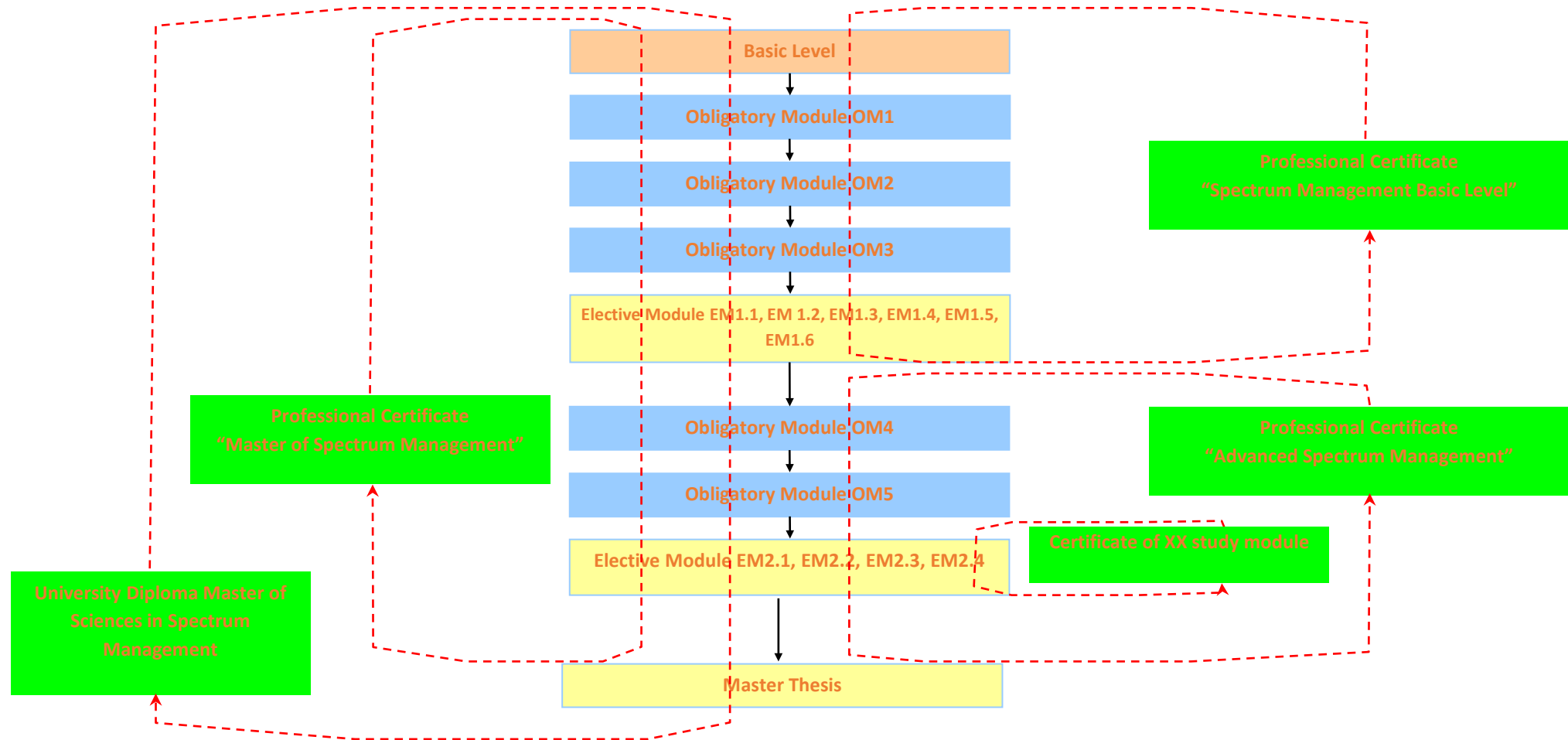


Figure 2. Possible derivative options for university or professional, full or partial certification levels



LATEST DEVELOPMENTS

Translation

- Translated into Spanish
- Translation into French ongoing (3 modules translated)
- Translation into Arabic to begin in 2021

Modules accredited as equivalent to level 7 of ECTS (Masters degree)

- Accreditation up to 2023
- Review of accreditation will consider updates to respond to changing technologies

Addition of the EM2-5 module on EMF and Health

Review and updating ongoing – to be completed in December 2020



DELIVERY STORIES

Oversubscribed delivery of modules in the Americas region in Spanish

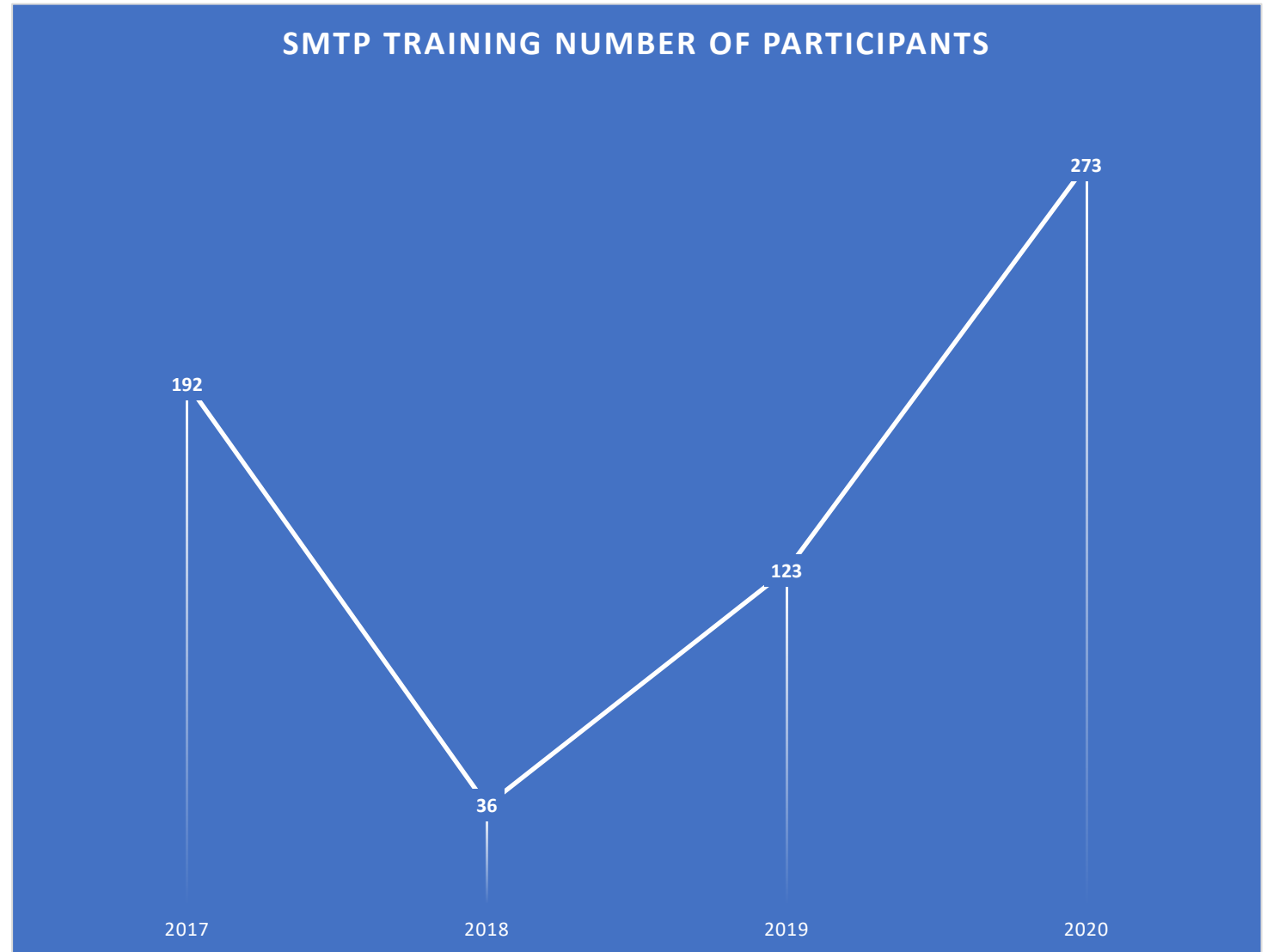
Since 2017, AFRALTI delivers a minimum of 3 Modules per year in English.

Continuing discussions with training providers for delivery of the modules

- TRC Jordan for delivery of single modules
- University of British Columbia for the delivery of the complete program

DELIVERY STORIES

- Increasing number of courses
- Increasing number of participants
- Increasing number of languages for delivery



Call for partners



Any training institution that is interested to partner with ITU for delivery, Trainers, Peer reviewers



Contact, or write to



ITU Capacity and Digital Skills Development Division



hcbmail@itu.int



Thank you!

ITU – Capacity and Digital Skills Development Division

Questions to hcbmail@itu.int

