

# GHWP Capacity Building

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*14 February 2023*



GHWP

**Global Harmonization Working Party**

Towards Medical Device Harmonization

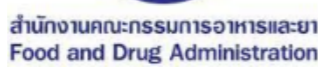
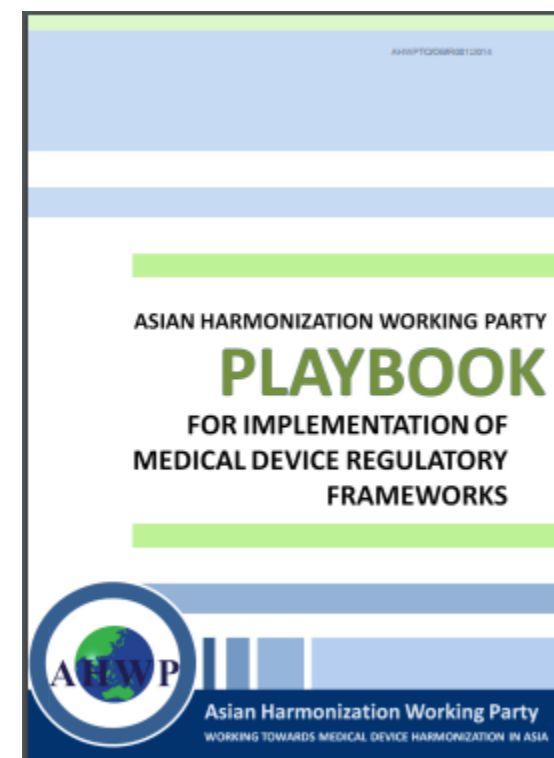
# Our Capacity Building Journey - Regulatory Agencies and Industries

**10 in-country Capacity Building training /Workshop - ongoing focus on new technology & regulatory trends**

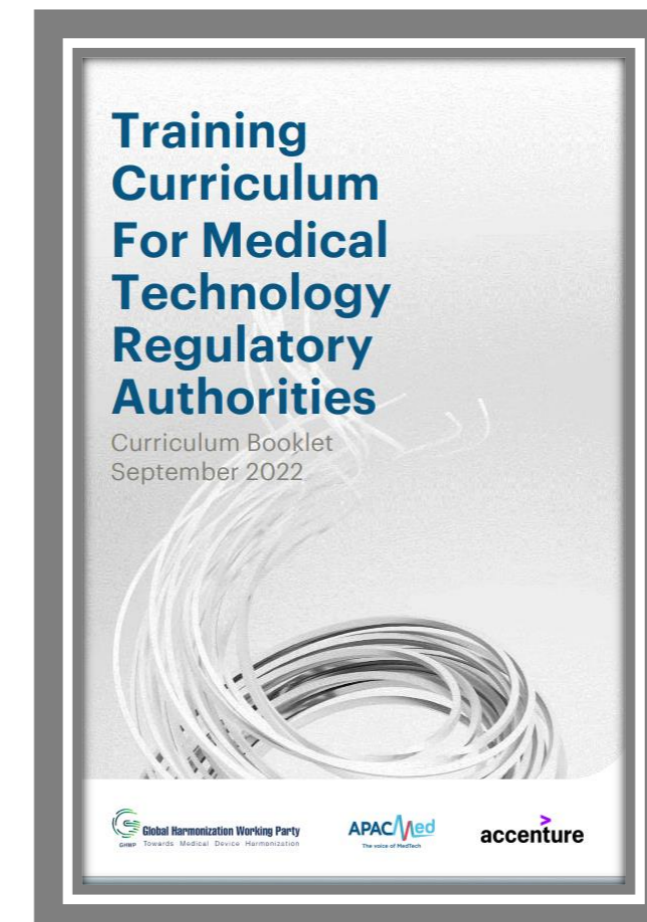


- 6 Hybrid Trainings
- Webinars Curriculum whitepaper
- Capacity Building workshop

- Plan, Implement & roll-out
- Content development & curation
- Learning platform setup
- Setup of training hubs
- Launch GHWP academy and certification



**AHWP-APACMed Competency Framework for Medical Technology Regulators**



- Webinar on Training Curriculum for Medical Technology Regulatory authorities – well attended by 50+ regulators from multiple jurisdictions

# Mission

Be the reliable training partners for global regulatory workforce in the journey towards Global Harmonization Working Party's vision





# GHWP Capacity Building Strategies

**1** Proactively address evolving regulatory competencies required for global professionals

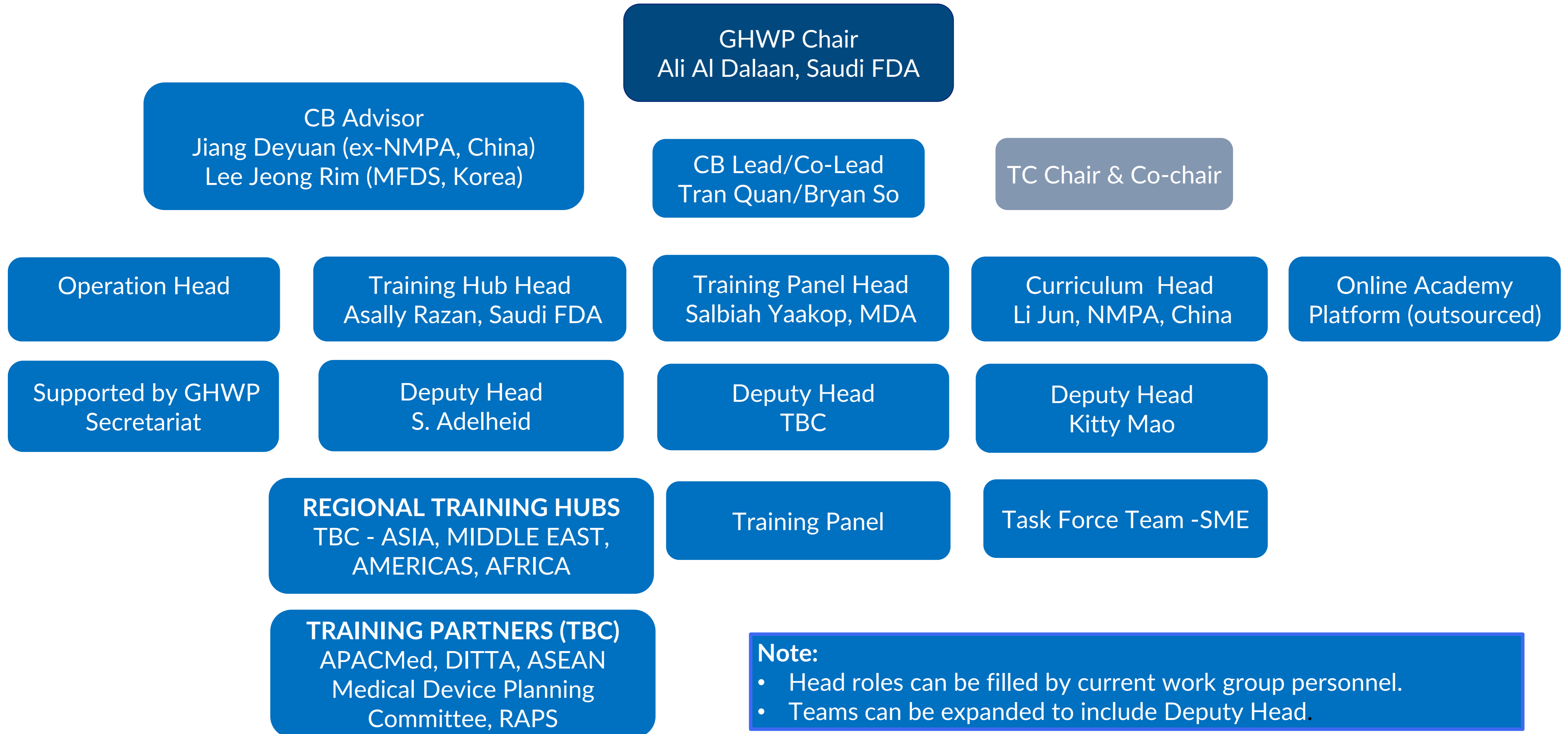
**2** Deliver exigent and cardinal professional learning experiences

**3** Make complex and evolving regulatory developments accessible to regulatory professionals

**4** Empower a community focused on interactions, collaboration and knowledge sharing

**5** Build partnership that ensures operation and financial sustainability

# GHWP Capacity Building Structure



# GHWP Capacity Building Team's Role

## CB Lead/Co-Lead

- Develop **Capacity Building strategy and roadmap** in alignment with GHWP strategy, vision and mission
- Build **sustainable funding**
- Plan and oversee Capacity Building program development and implementation



## Operation

- Maintain up to date training master plan & calendar
- Facilitate scheduling of training and logistics
- Manage course registration
- Manage member communication
- Budget control
- Issuance of certification



## Training Hub

- Manage **Training Hubs**
- Select and establish training partners
- Manage Training Partners
- Conduct in-country/online training workshops



## Training Panel

- Establish **Training Panel**
- Develop and manage **training resources & content** to meet the approved curriculum and training objectives
- Source and recruit trainers and speakers
- Create and maintain KPIs for trainers
- Develop and conduct **assessment of the effectiveness of training program, trainers and training partners**



## Curriculum

- Identify training needs for members
- Plan and develop **up-to-date capacity building curriculum** for GHWP
- Plan and develop training curriculum for regulatory authorities / Industry across the globe
- Adapt and localize the curriculum to be country specific



# GHWP ACADEMY

**FACE-TO-FACE  
PROGRAMS @  
TRAINING HUB**

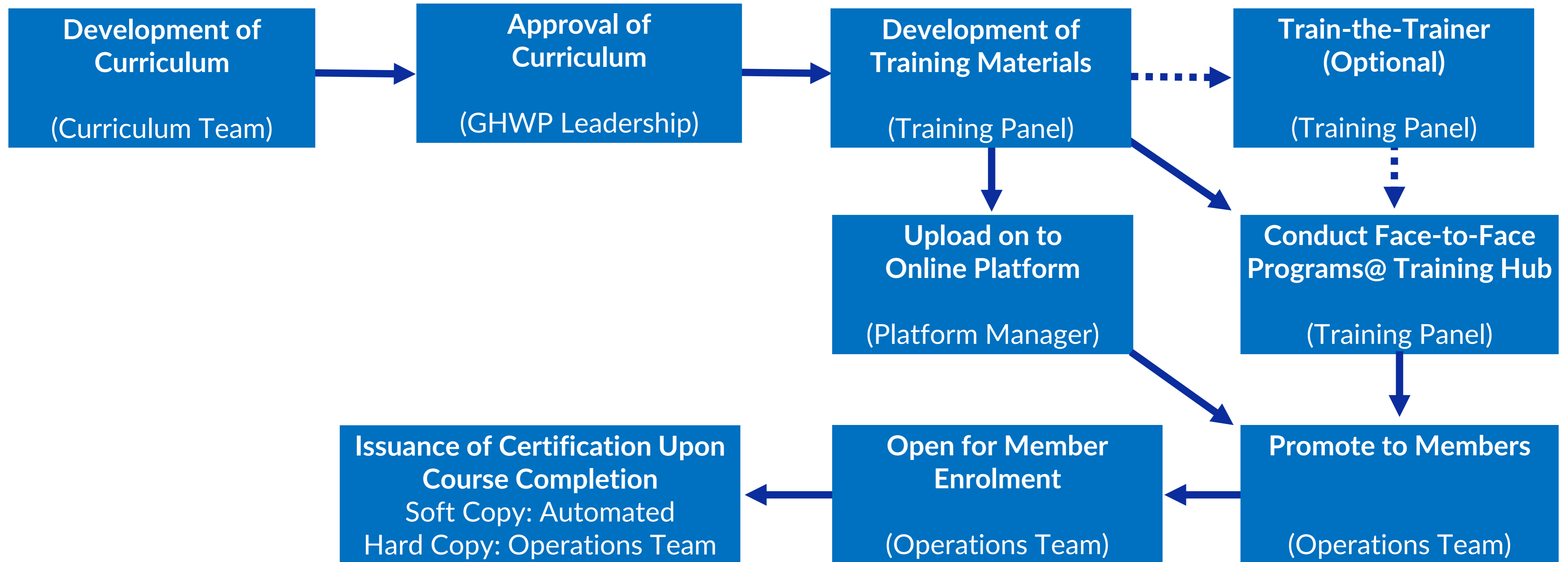
Workshops  
Seminars  
Certification Courses  
(With Assessment  
Component)

**ONLINE  
PROGRAMS @  
ONLINE ACADEMY**

Real-Time /Live  
Workshops  
Webinars  
Certification Courses  
(With Assessment  
Component)

Self-Directed  
(Learner-Paced)  
Learning Courses  
Certification Courses  
(With Assessment  
Component)

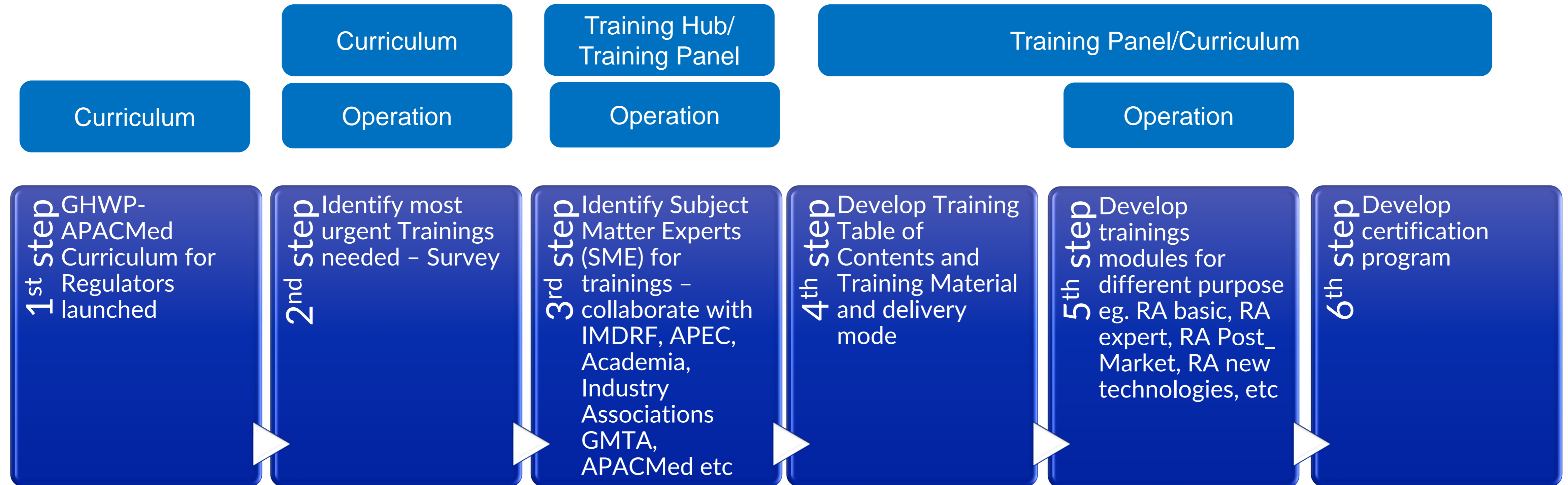
# GHWP ACADEMY WORK-FLOW





# Capacity Building Roadmap – Step forward

# Next steps – GHWP Capacity Building for Regulators



2023

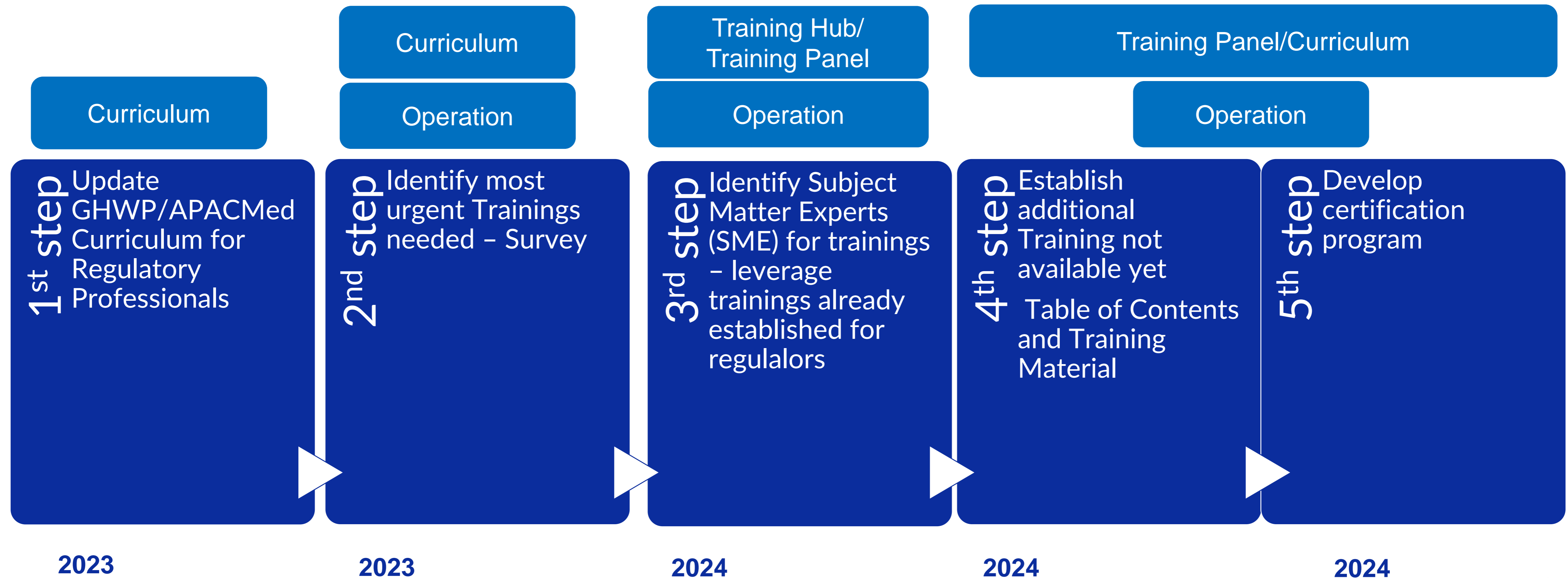
2024



**Training Platform**  
**- Curriculum, Training, Certification**



# Next steps – GHWP Capacity Building for Industry



**Training Platform  
- Curriculum, Training, Certification**







The voice of MedTech



**Global Harmonization Working Party**

Towards Medical Device Harmonization

# Training Curriculum for MedTech Regulators - Joint initiative between GHWP and APACMed

14 February 2023

**Dr. Praveen Kumar**  
Manager, APACMed RA committee

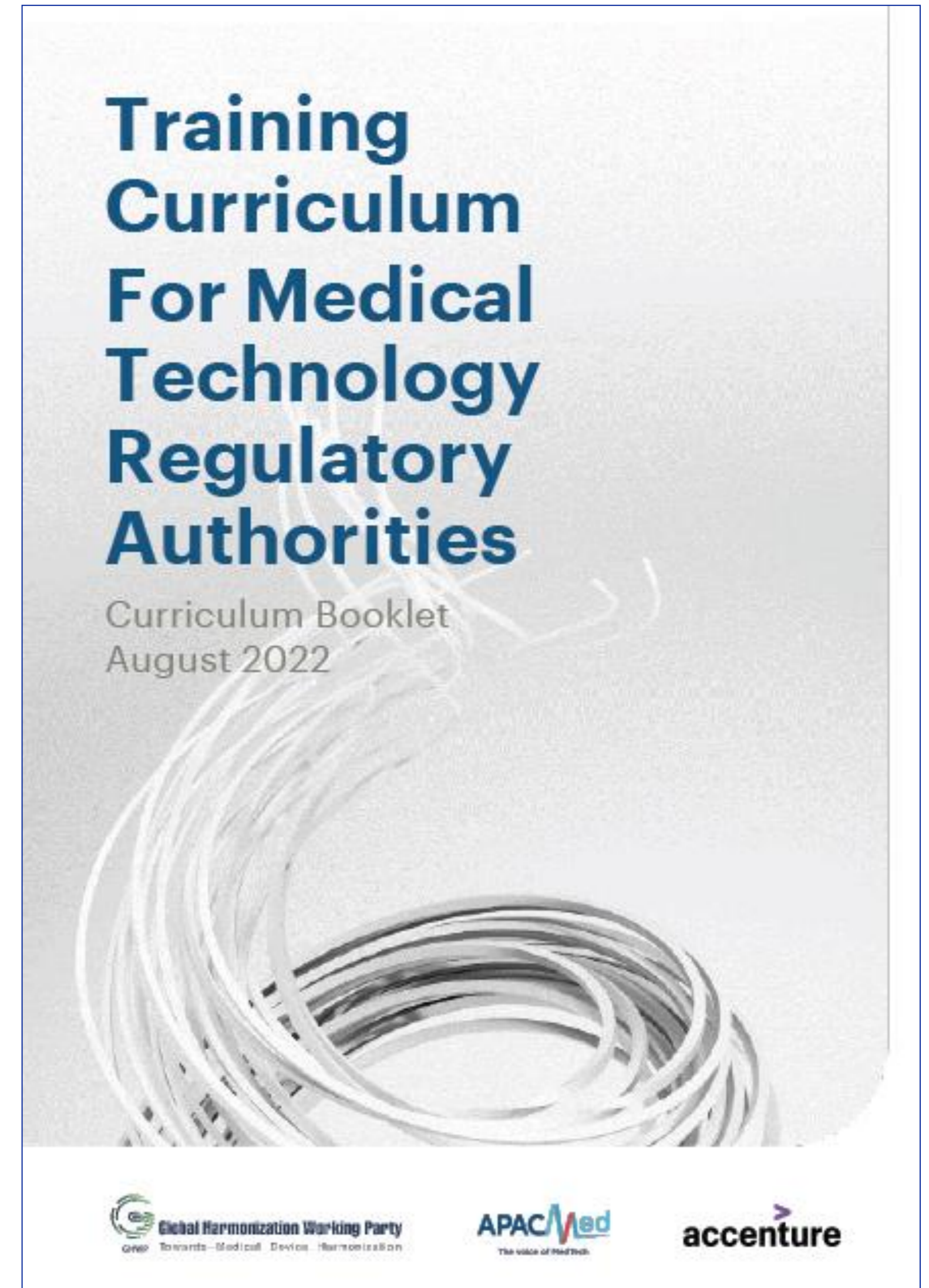
**GHWP 26th Annual Meeting**





# Vision

A standardized and harmonized training curriculum for MedTech Regulators across the globe



**Accenture** Life Sciences  
**Patient Inspired. Outcomes Driven.**

# Objectives

To come up with **standardized and harmonized training curriculum** cutting across different core competencies

To define and shape the future direction of regulatory trainings for all GHWP member jurisdictions.

To develop a comprehensive curriculum to regulators to equip and enable them with the fast-evolving global regulatory landscape.

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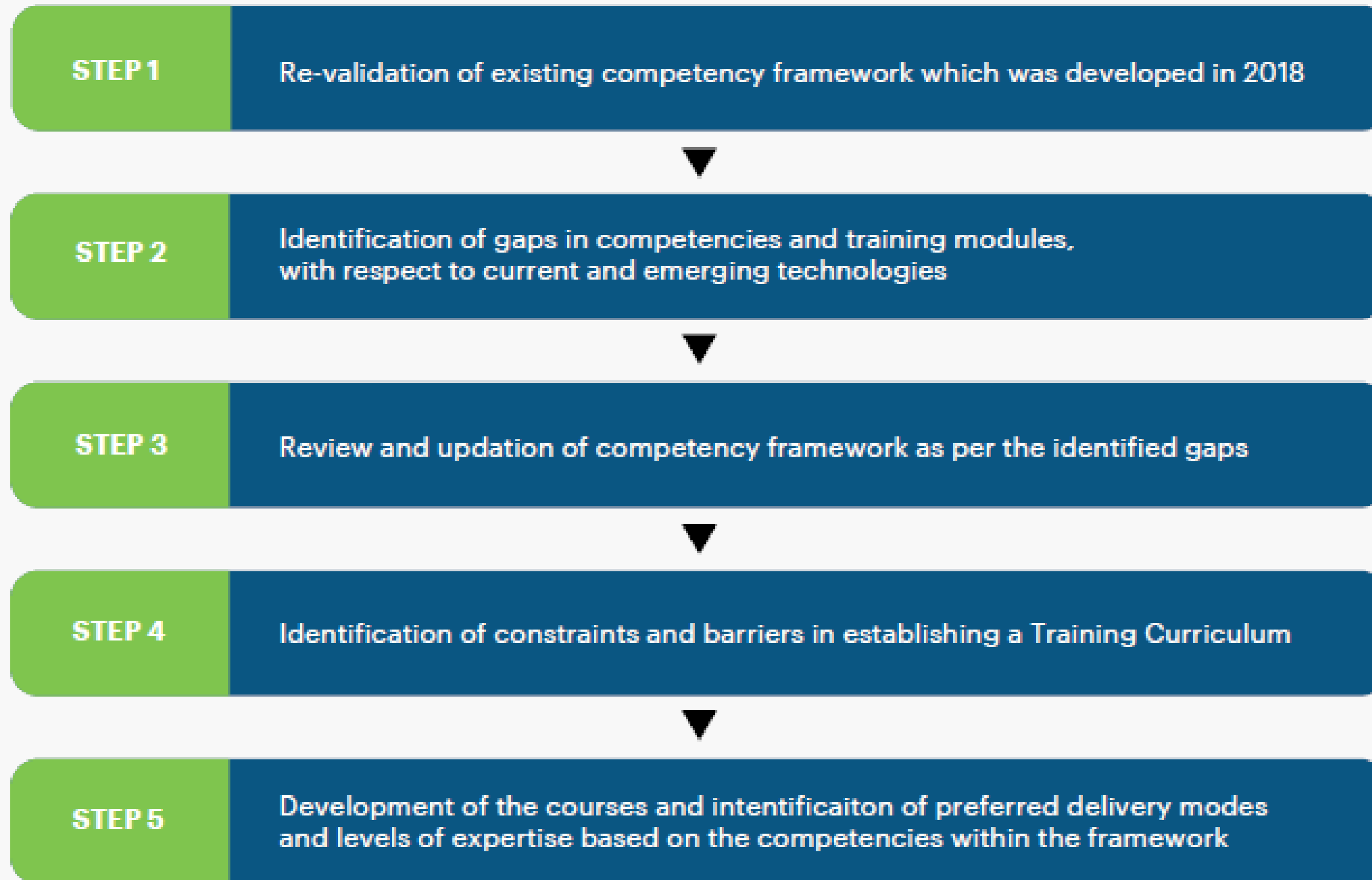
### Training Curriculum For Medical Technology Regulatory Authorities

Curriculum Booklet  
August 2022



Global Harmonization Working Party APACMed accenture

# Staggered Approach





# Workshop, Survey & Research

- 12 Members of GHWP



# Training Curriculum For Medical Technology Regulatory Authorities

Curriculum Booklet  
August 2022



# Outcome – Identification of Constraints and Barriers



## TRAINING CONSTRAINTS & BARRIERS



### Lack of structured and harmonized curriculum

Most of the jurisdictions have in-house training structure in place and few others have trainings in alliance with academia. But those programs are country specific and lack harmonised and structured approach.



### Resource and capacity

In most of the countries, regulators are under-resourced and stretched making it difficult for them to devote time for training.



### Cost incurred in consistent training

Lack of adequate budget towards learning and development (L&D).



### Lack of high quality trainings and subject matter experts (SME)

Challenges associated with accessing high quality training materials and respective SMEs which are also cost effective.



### Language barrier

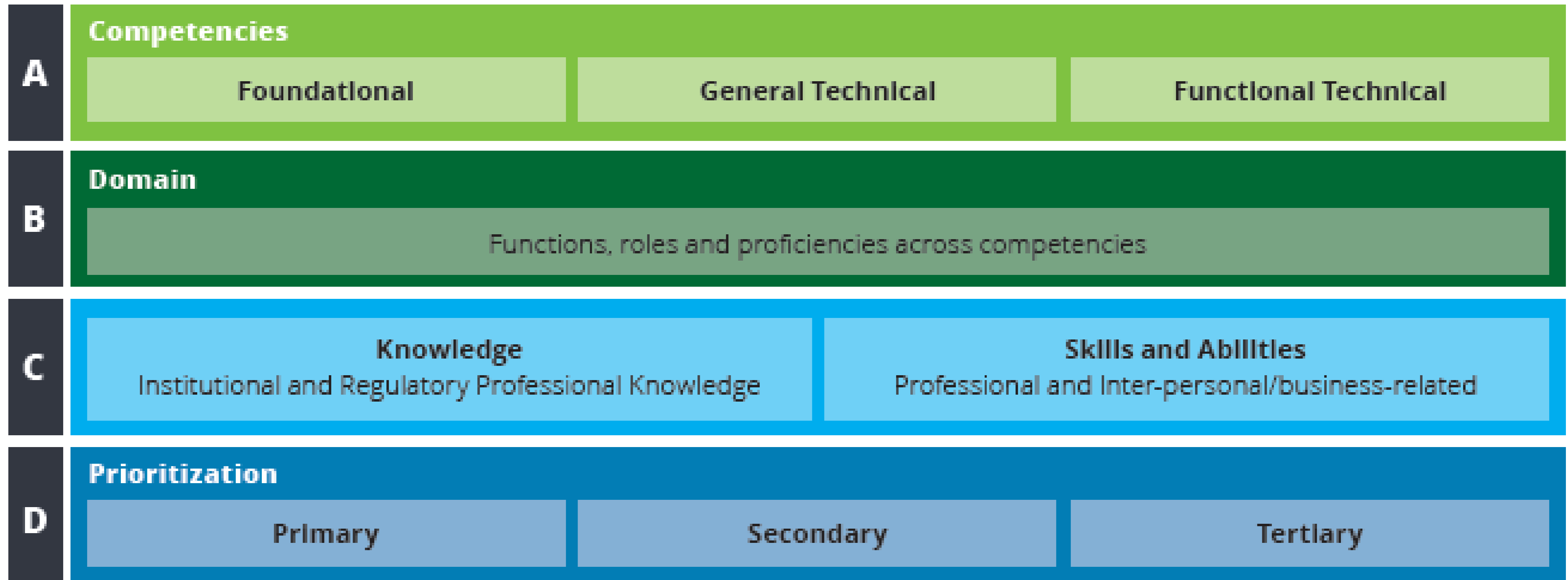
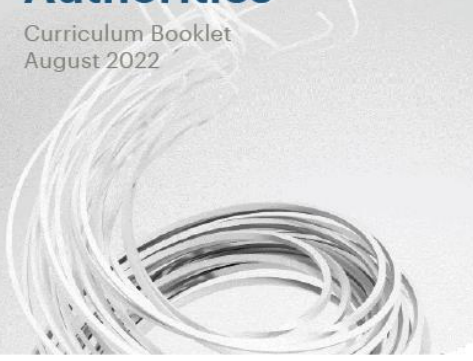
Preference for trainings delivered in local language.



### Culture

Diverse perspectives on trainings and the way of learning.

# RA Competency High Level Framework for MedTech Regulators – Building Blocks



# Training Curriculum and Course Details

Training Curriculum  
For Medical  
Technology  
Regulatory  
Authorities

Curriculum Booklet  
August 2022



Global Harmonization Working Party APACMed accenture

## DOMAINS

## MODULES

Foundational  
Competencies

Training Curriculum covers all  
**6 domains**

Training Curriculum covers  
**42 functional  
competencies**

General  
Technical Competencies

Training Curriculum covers all  
**2 domains**

Training Curriculum covers  
**21 competencies**

Functional  
Technical Competencies

Training Curriculum covers all  
**6 domains**

Training Curriculum covers  
**35 competencies**

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**98 competencies**

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# Training Curriculum For Medical Technology Regulatory Authorities

Curriculum Booklet  
August 2022

## Course 2: Communication Competency: Foundational

Domain: Communication  
Competency mapping (knowledge/skills/behaviors):

- Effective Communication (Verbal and Written)
- Interpersonal skills
- Public education
- Negotiation
- Public Speaking
- Information Dissemination and Media Strategy
- Presentation skills (updated)

Module	Outline	Delivery Mode	Duration	Professional Level
<b>Effective Communication (Verbal and Written)</b>	Effective communication tools and techniques	Webinar	4 hours	Beginner & Intermediate
	Critical elements of successful planning for meetings, presentations and other types of engagement and communication			
<b>Interpersonal skills</b>	Introduction to the importance of soft skills	Interactive workshop	8 hours	Beginner
	Effective engagement with peers and diverse audiences such as industry professionals and cross functional stakeholders			
	Effective conflict management			
	Scenario analysis based on diverse organizational protocols			
<b>Public Education</b>	Overview of different platforms (print, visual and social media) to communicate public on relevant important topics, as & when needed	Webinar	2 hours	All levels
<b>Negotiation</b>	Introduction of negotiation skills (e.g., persuasion, perseverance, diplomacy, sensitivity, clarity of thought, value creation, EQ etc) examples, templates and case studies	Interactive workshop	8 hours	Beginner & Intermediate
<b>Public Speaking</b>	Confidence building, Storytelling, Body language, Clarity of expression, Flow of thoughts/concepts through Clear articulation	Interactive & Practice workshop	4 hours	All levels
	Time management			

## Course 7: Scientific & Engineering Principles Competency: General Technical

Domain: Scientific & Engineering Principles  
Competency mapping (knowledge/skills/behaviors):

- Human Anatomy & Physiology
- Biological Sciences
- Biomaterials
- Biochemistry
- Nanomaterials
- Biomechanics
- Bioelectronics
- Radiation and Nuclear Medicine
- Digital Technology (mobile health, telemedicine, AI, etc.)
- Electrical Safety\*

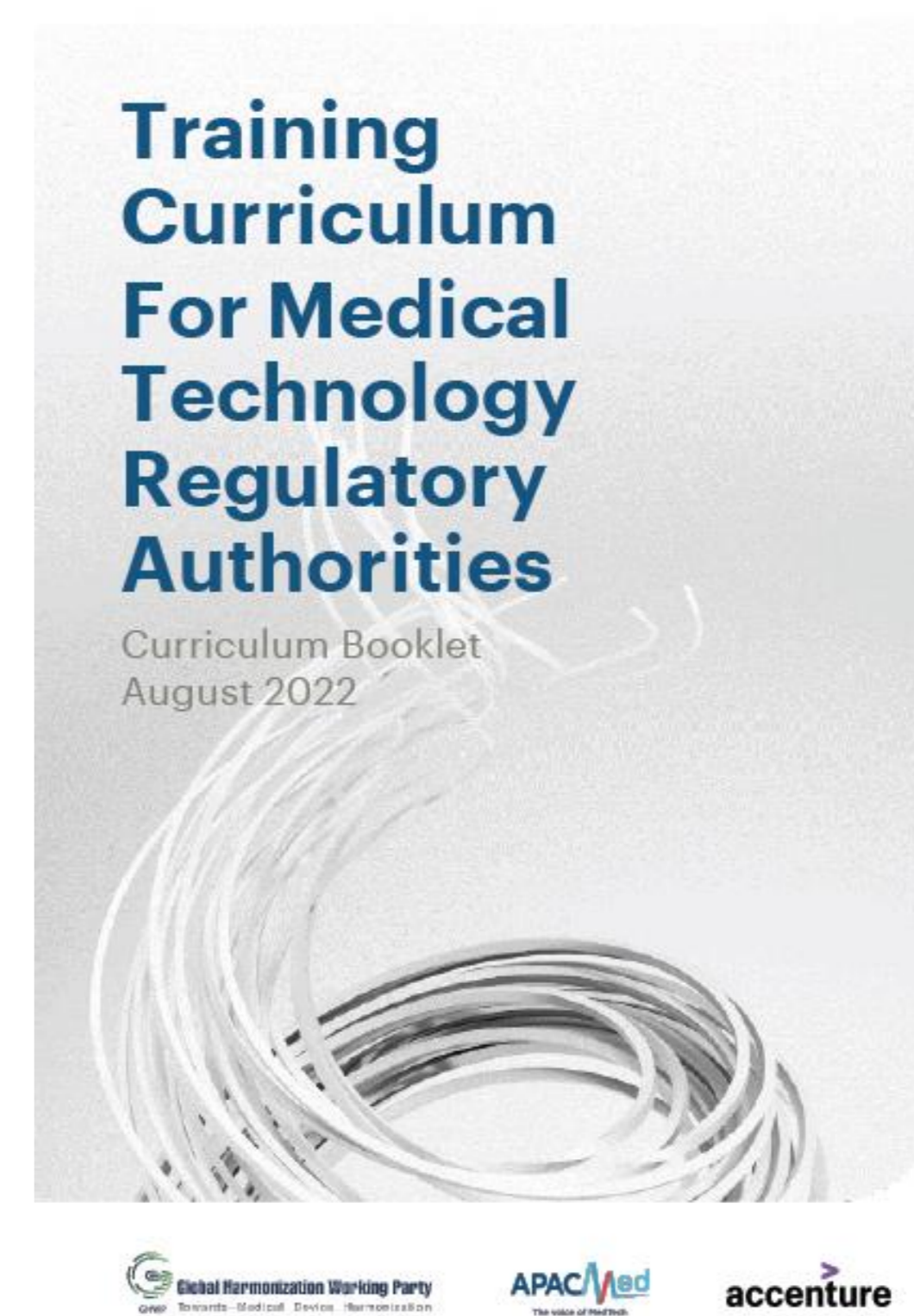
Module	Outline	Delivery Mode	Duration	Professional Level
<b>Human Anatomy &amp; Physiology</b>	Basics of Anatomy and Physiology	Webinar	4 hours	Beginner
	Blood and Body Fluids			
	Endocrine and Reproductive Systems			
	Orthopedic and Musculoskeletal System			
	Cardiovascular System			
	Respiratory System			
	Nervous System and Special Senses			
	Urinary System			
Digestive System				
<b>Biological Sciences</b>	Introductory Biology	Webinar	2 hours	Beginner
	Biophysical Chemistry			
	Organic Chemistry			
	Principles of Genetics			
	Molecular & Cell Biology			
	Microbiology			
Biostatistics				
<b>Biomaterials</b>	History of biomaterials General Properties of Biomaterials	Webinar	2 hours	Beginner

# Course Layout and Details



# Take-Home Messages

- Overall agreement across all jurisdictions on **domains and competencies** - based on the existing framework
- Training Curriculums to be **revisited frequently for improvement.**
- Need for **trainings on ever evolving processes, products and technologies** and **international standards** (e.g. Digital Health, AI, RWE, NGS, 3D Printing)
- **Pandemic** has taught us to juggle between **virtual** and **physical** trainings.





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# Thank You!



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