

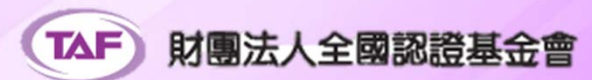
How Regulators in Asia Pacific
leverage the MRA and accreditation
to reduce NTBS on ICT products:
Successful story: APEC TEL MRA

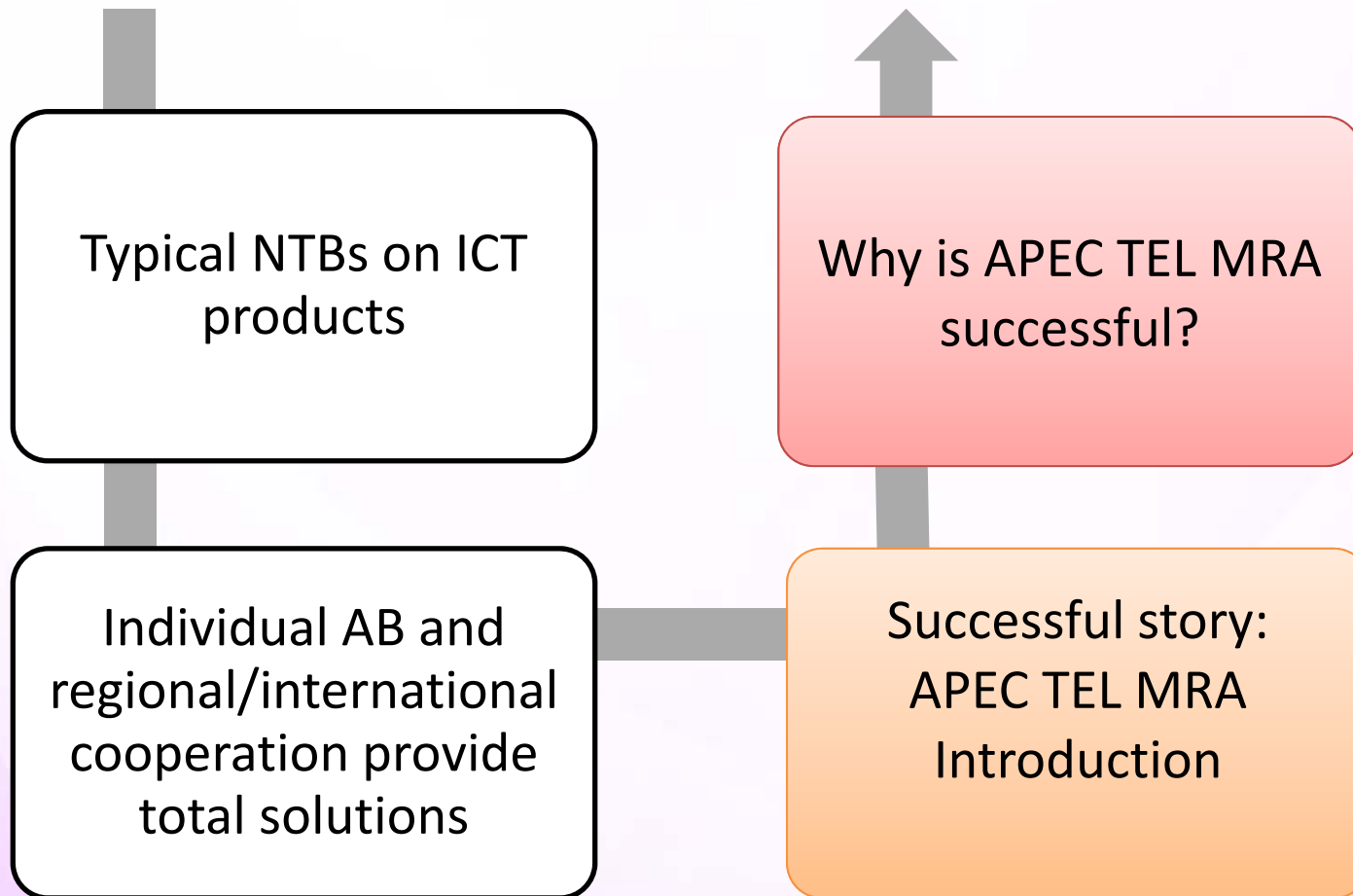
Roger Sheng (盛念伯)

Chair, APEC TEL MRA TF

Chief, Electrical and Optical, **TAF**, Chinese Taipei

Email : roger@taftw.org.tw







About APEC TEL MRA TF

APEC Primary goal: to support sustainable economic growth and prosperity in the Asia-Pacific region.



MRA Task Force formed in 1998, participating regulators:

AITI (Brunei); IC (Canada); MIIT (China); OFCA (Hong Kong); MIC (Japan); KCC (South Korea); NCC (Chinese Taipei); IDA (Singapore); FCC(US); MIC (Vietnam); etc.

Past leadership: Canada, Australia, US, Hong Kong, Singapore, Thailand, Chinese Taipei.

Missions:

- For AP regulators gather regularly to discuss regulation conformity issues.
- Discuss conformity assessment procedures, regulations/standards, market surveillance practices

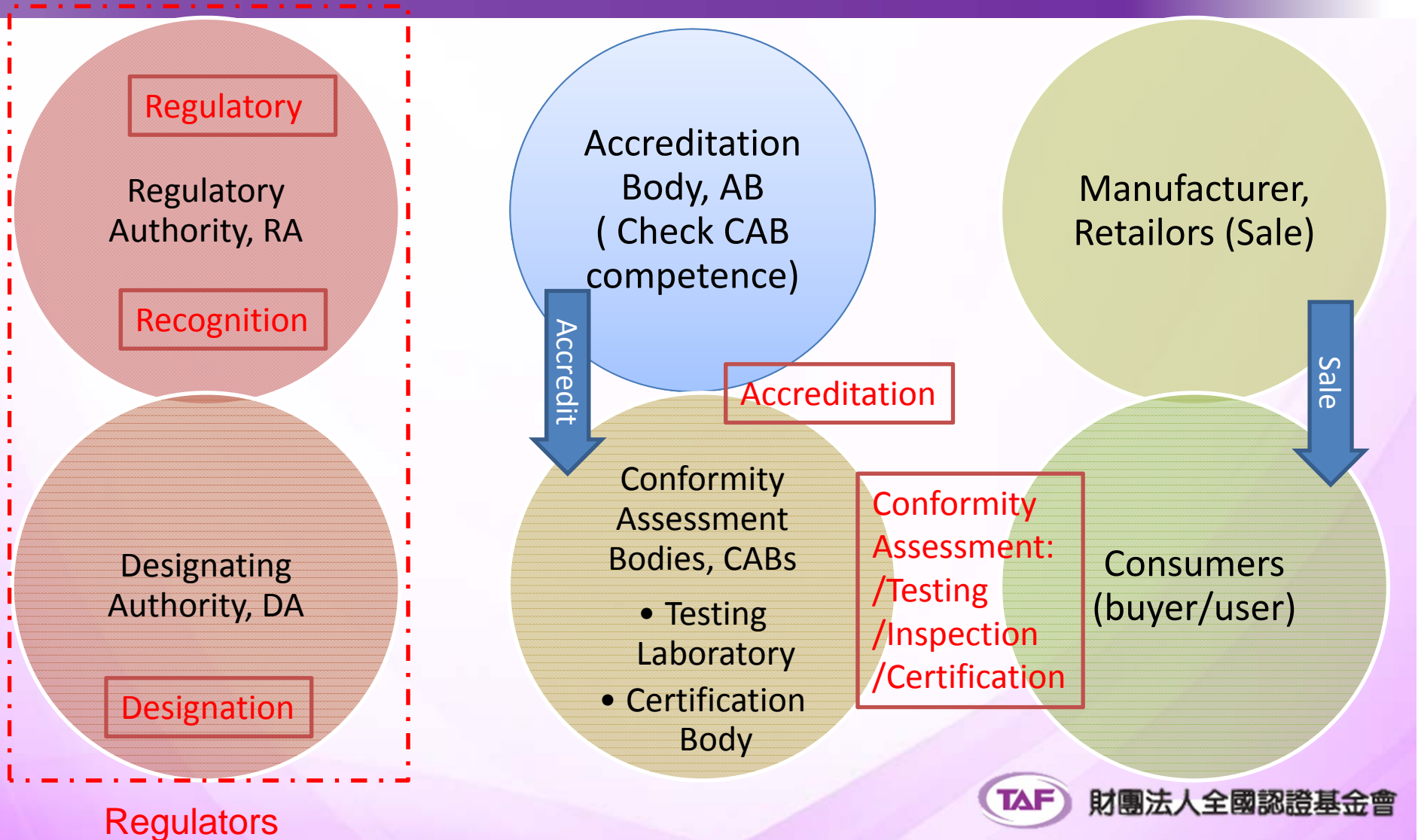


APEC TEL MRA

- Scope (to ICT products) includes:
 - Electromagnetic Compatibility
 - Telecommunications regulations
 - Electrical Safety/SAR
 - Cyber security(TBD)
- MRAs to conformity assessment procedures (MRA-CA)
 - Phase I(testing); Phase II (certification)
- Equivalence of Technical Requirements (MRA-ETR)
 - Harmonize standards/regulations
 - Clarify national deviations



TEL MRA Stakeholders and Functions





RA/DA/AB/CAB in APEC TEL MRA

Economy	RA	DA	AB	Phase I	Phase II
Australia	ACMA	ACMA	NATA	Canada, Hong Kong, Singapore, Chinese Taipei, USA Vietnam(Recognized CAB: 52)	N/A
Canada	Industry Canada	Industry Canada	SCC	Australia, Chinese Taipei, Hong Kong China, Singapore, South Korea, United States of America, Vietnam(Recognized CAB: 42)	Chinese Taipei, Hong Kong China, Singapore, South Korea, United States of America (Recognized CAB: 20)
Hong Kong China	OFTA	OFTA	HKAS	Canada, Singapore, Chinese Taipei and USA (Recognized CAB: 17)	USA/Canada (Recognized CAB: 17)
Japan	MIC	MIC	N/A	USA	USA
Korea	MSIP/RRA	MSIP/RRA	RRA/KOLAS	Canada, USA, Vietnam (Recognized CAB: 89)	N/A
Malaysia	MCMC	N/A	Standards Malaysia	Singapore	
Singapore	iDA	iDA	SAC	Australia(2), Canada(4), Hong Kong(1), Malaysia, Chinese Taipei(4), USA(23)	Canada, USA(4)
Chinese Taipei	NCC, BSMI	NCC, BSMI	TAF	Australia, Canada, Hong Kong, Singapore, USA (Recognized CAB: 33+97)	Canada (Recognized CAB: 1)
United States	FCC	NIST	Phase I: A2LA, NVLAP, ANS, L-A-B, A-Class Phase II: A2LA ANSI	Australia, Canada, Chinese Taipei, Hong Kong, Japan (not APEC MRA), Mexico (not APEC MRA) Singapore, Korea and Vietnam. (Recognized CAB: 152)	Canada, Hong Kong, Japan and Singapore (Recognized CAB: 5)
Vietnam	MIC	MIC	BoA	Canada, Korea, USA (Recognized CAB: 65)	

How is the TEL MRA CA Implemented?

Economy A (US)

RA(FCC):
regulatory & recognition

DA(NIST):
designation

AB: accreditation
NVLAP/A2LA etc.

CAB: testing &
certification

Economy B (Australia)

RA(ACMA): regulatory,
designation &
recognition

AB: accreditation
NATA

CAB: testing &
certification

Economy C (Chinese Taipei)

RA (NCC)

RA(BSMI)

regulatory, designation &
recognition

AB(TAF): accreditation

CAB: testing &
certification

RA -- Regulatory Authority

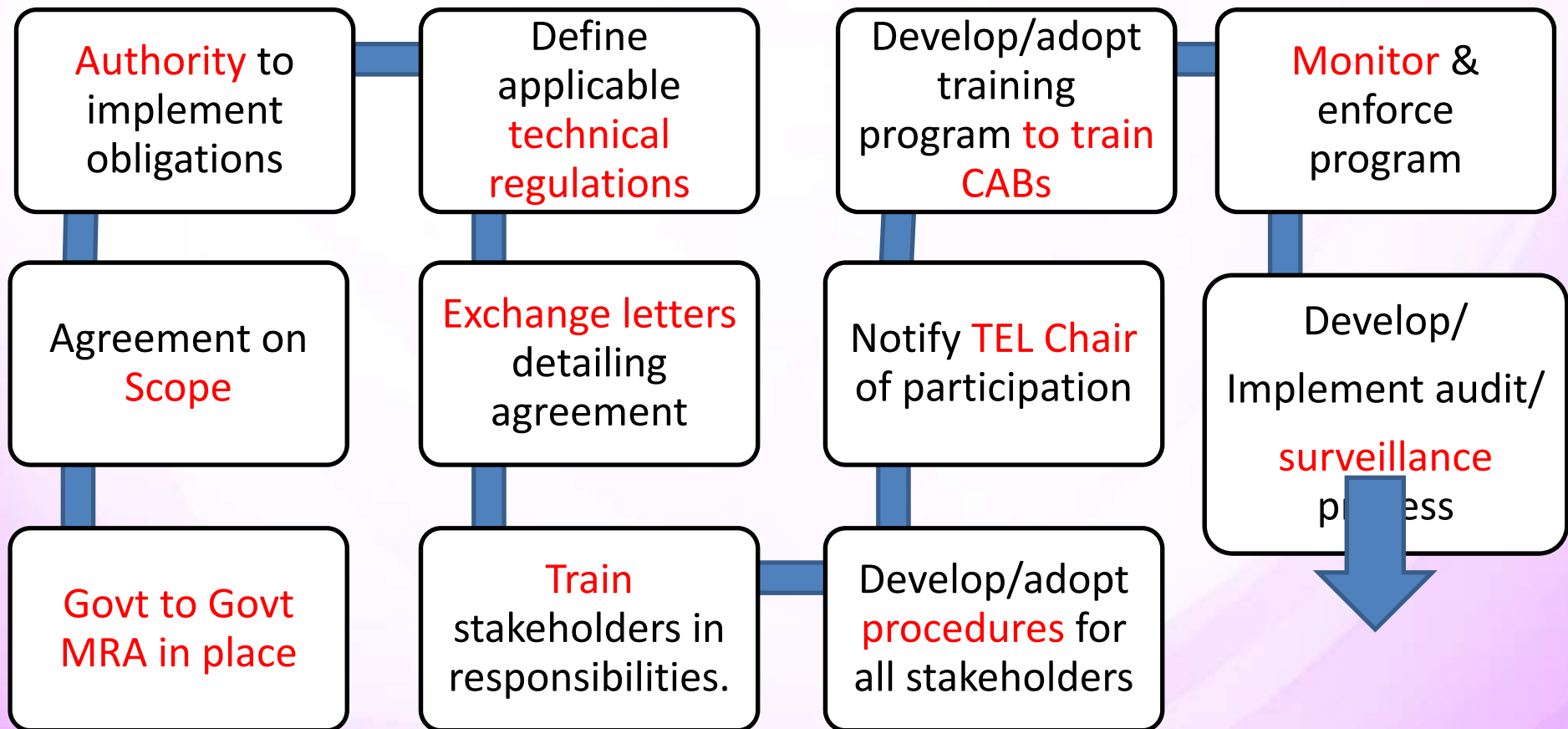
DA -- Designating Authority

AB -- Accrediting Body

CAB -- Conformity Assessment Body

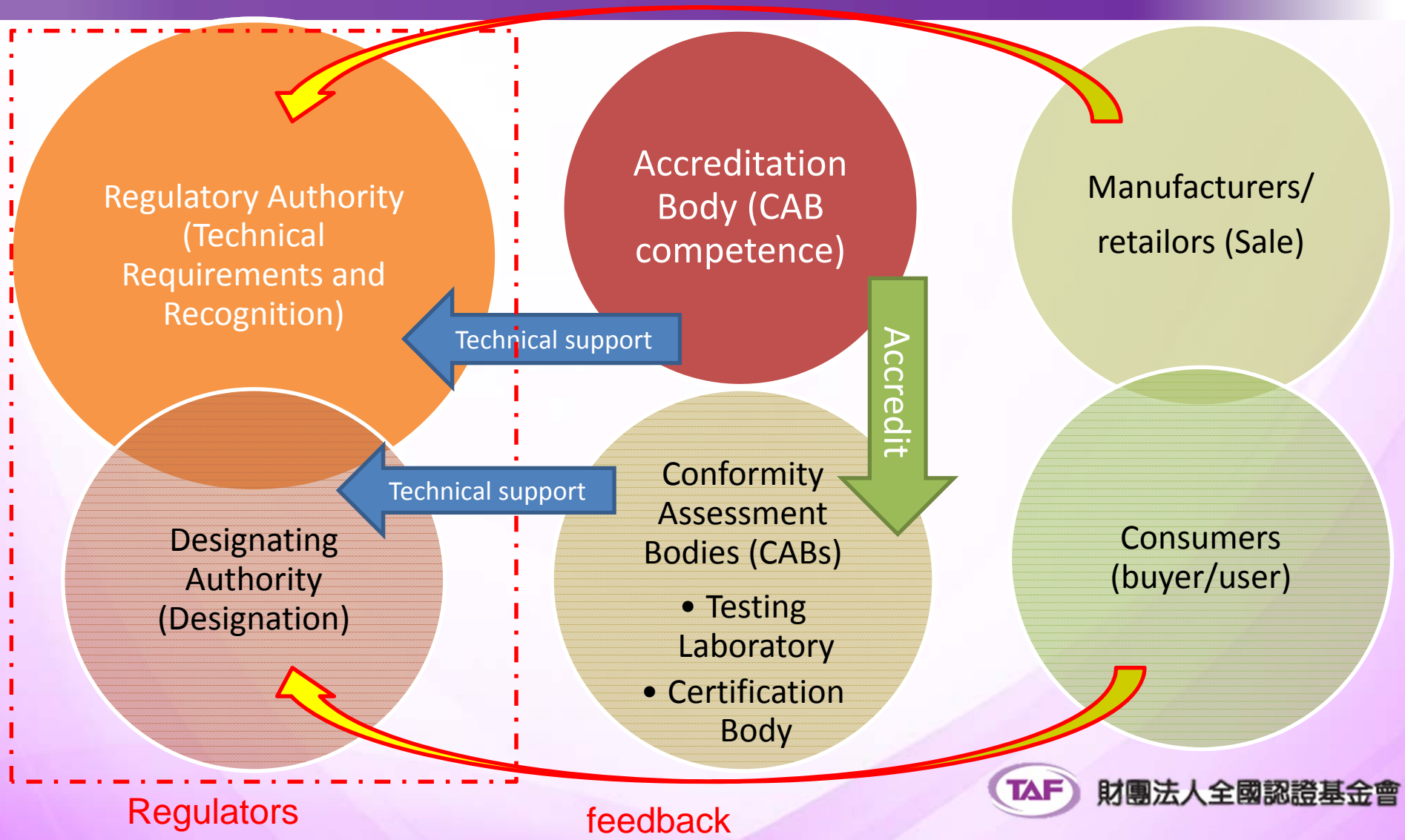
Different economies have different schemes for conformity assessment, which is permitted under the terms of the APEC Tel MRA.

How is APEC TEL MRA-CA Implemented?



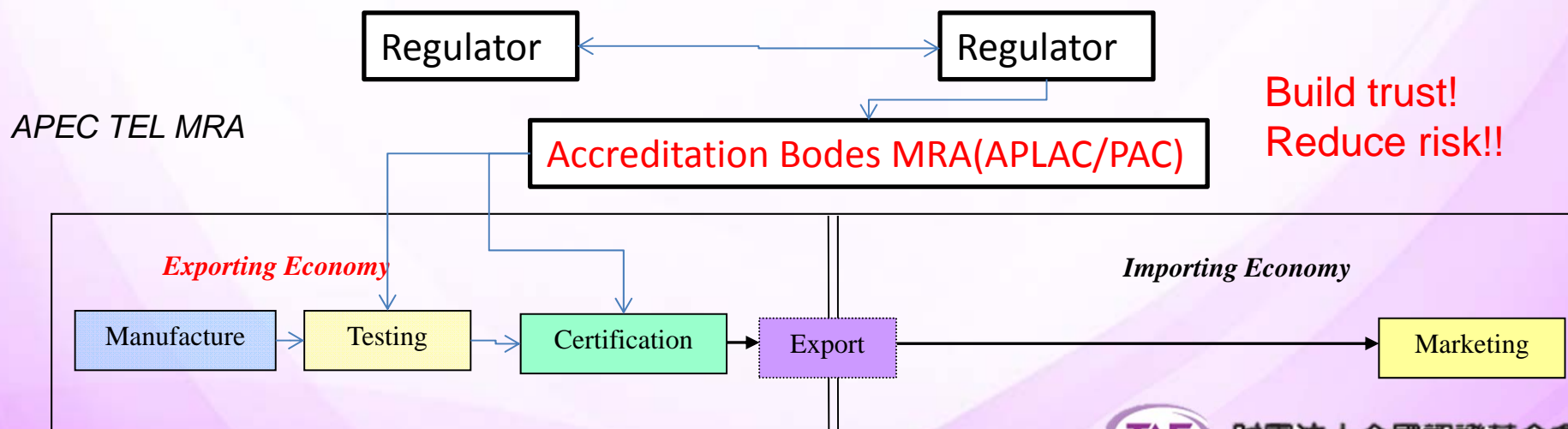
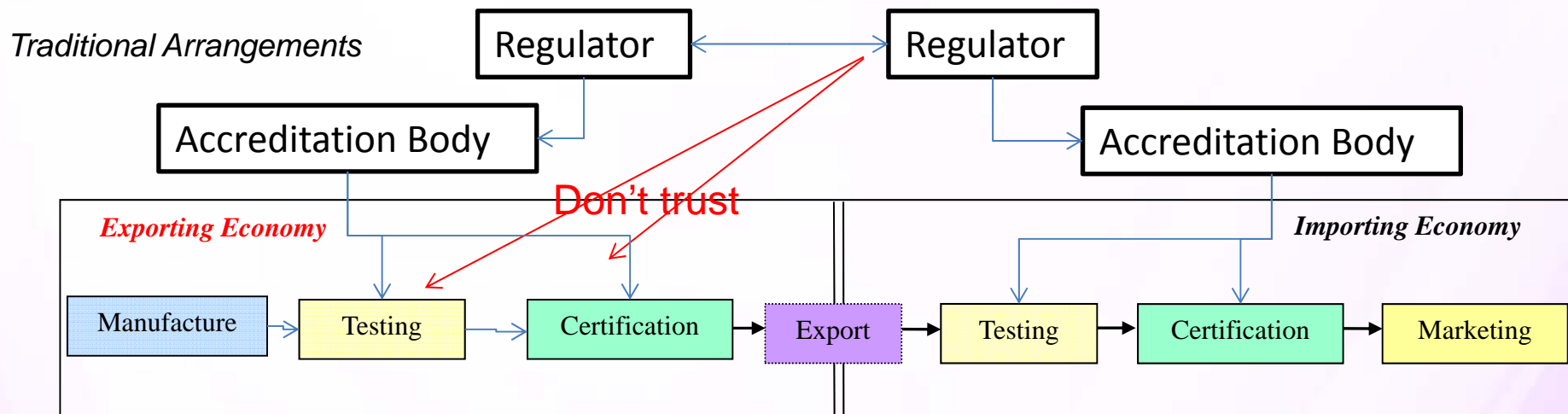


How do Regulators leverage TEL MRA?

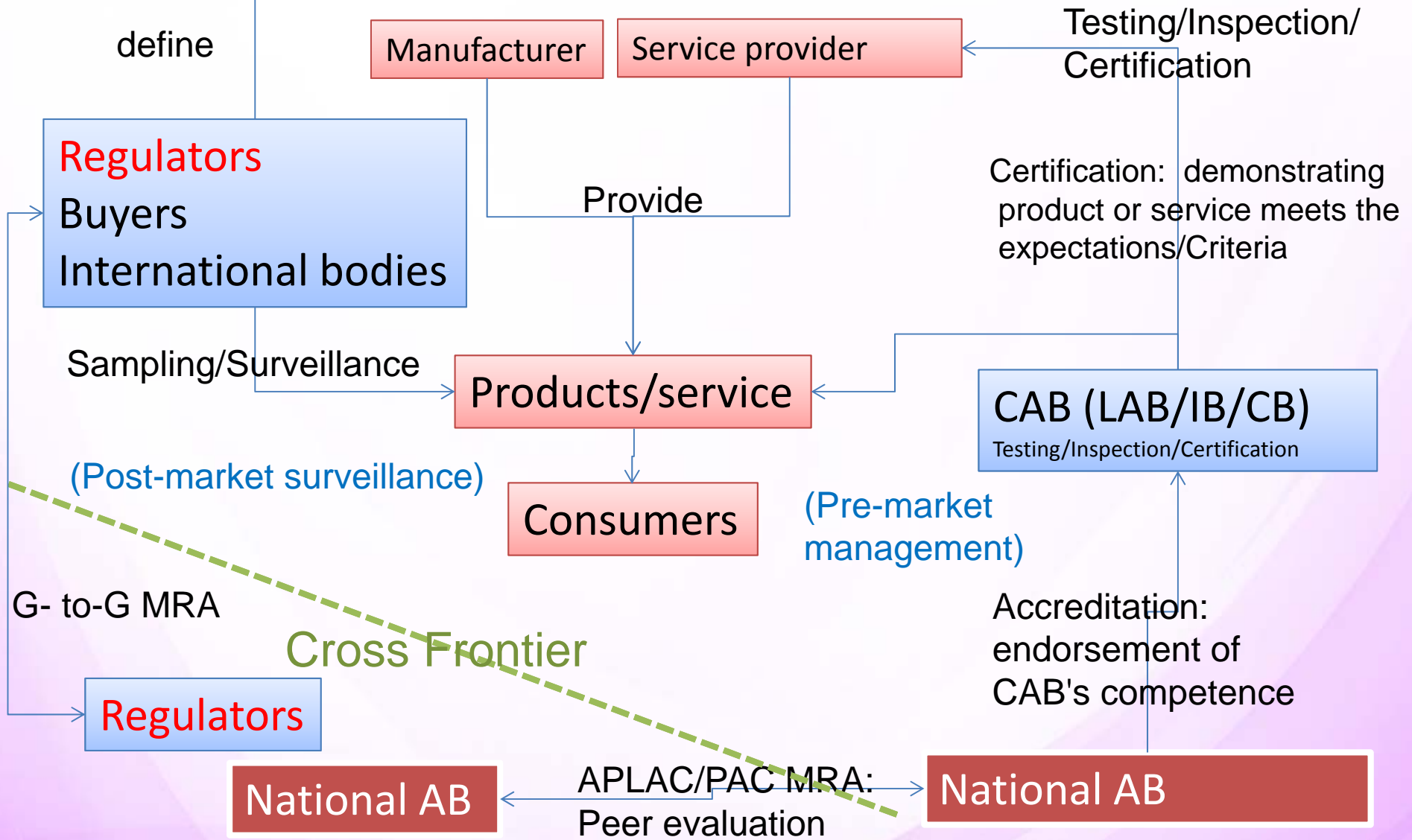




Reliable Accreditation system create trust



Regulation/requirement: Criteria of providers



Why is APEC TEL MRA Successful?



- Regulators
- Industry/Market
- Consumer



Reduce burdens of Regulators

- Difficulty of managing Conformity Assessment Scheme
 - Fast growing ICT industry
 - Emerging new ICT technologies
 - Digital convergence
 - Limited Government Resources
 - Limited Technical knowledge/Government rotation
- TEL MRA leveraged the resources from ABs
- Information/Knowledge of foreign technical regulations
- Flexibility of regulators



Demands from Market/Customer

- Strong/fast demands from Industry/Consumer for ICT products in Asia Pacific Region
- Specific characteristic of ICT equipment
 - Short life time cycle
 - Complicated/Complex testing requirement
 - Long testing/certification time
 - Relatively low-risk to consumers
- Global trend of Harmonizing ICT standards
- CABs provide knowledge to regulators



Fulfill All Stakeholders' demands

- APEC TEL MRA could:
 - Reduce the burden of regulators
 - Reduce fixed cost of new ICT products
 - Reduce Risk
 - Reduction of testing costs
 - Shorten the time to the market
 - Making product standards/technological requirements more transparent
 - Raise Trade volume



- Regulators
- Industry/Market
- Consumer

THANK YOU FOR YOUR ATTENTION!

盛念伯 Roger Sheng

Chair, APEC TEL MRA TF
Chief, Electrical and Optical, TAF

Email : roger@taftw.org.tw

Tel (Taipei): +886-2-28090828 ext 55

Tel (Hsinchu): +886-3-5714848 ext 243