

CAREC TRADE WEEK

Enhancing Cooperation in Digital Trade

21-30 SEPTEMBER 2021



Standards, Technical Regulations and Conformity Assessment in CAREC Countries

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Why Standards?



CONSUMERS

- Product safety
- Enhance UX – interoperability
- Mix and match possibility



FIRMS

- Modularization made possible
- SMEs can plug in supply chain
- Windfall from architectural franchise if firm's standard becomes dominant



INNOVATION

- Standardization process is platform for knowledge sharing and transfer



Few downsides

- Emerged dominant standard may not be the best (technology)
- Foreclose innovations; rule out alternative (superior) tech options
- Intellectual property leakage

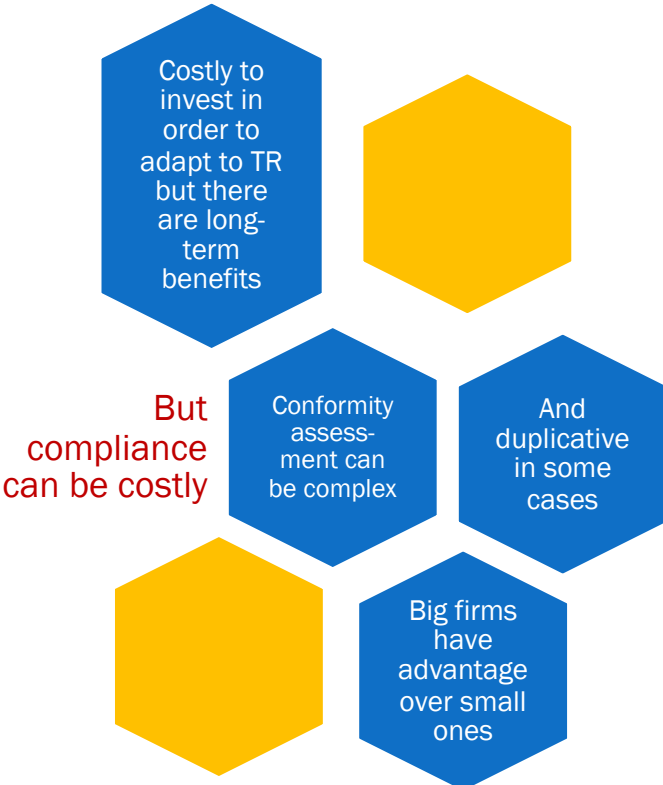
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Standards, Technical Regulations (TR) and Trade



Conformity Assessment Activities



Manufacturer's declaration of conformity

manufacturer's own testing and quality assurance

By: manufacturer



Product testing

Testing of products, components, materials, etc

By: independent laboratory



Product certification

Certification of products against a standard or set of standards

By: independent product certifier



Quality management system certification

Audit and registration of manufacturer's quality assurance system (e.g. ISO9000 standards)

By: quality system registrar

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Conformity Assessment System



Manufacturer's
declaration of
conformity

Manufacturer

Accepted by customer
or regulatory authority

Customer or regulatory
authority

Product testing

independent
laboratory

Laboratory
competence
accredited through
accreditation program
(private or
government)

Govt recognizes
laboratory
accreditation program

Product
certification

independent product
certifier

Certifier competence
verified through
accreditation program
(private or
government)

Govt recognizes
certifier accreditation
program

Quality
management
system
certification

quality system
registrar

Registrar
accreditation
program (private or
govt)

Government
recognizes registrar
accreditation
program

Assessment
done by:

Accredited
by:

Recognized
by:

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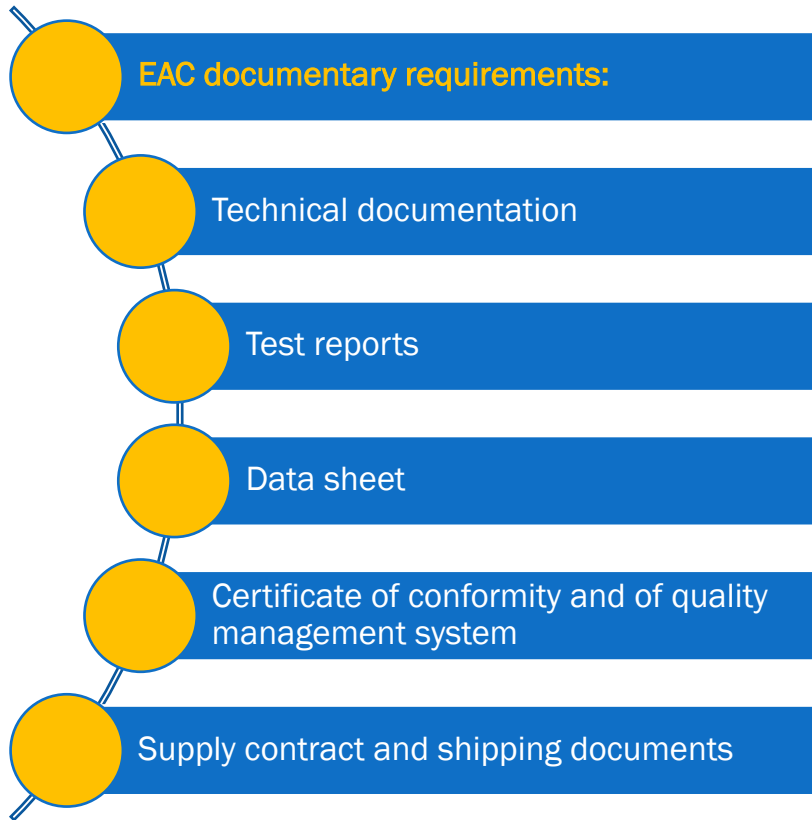
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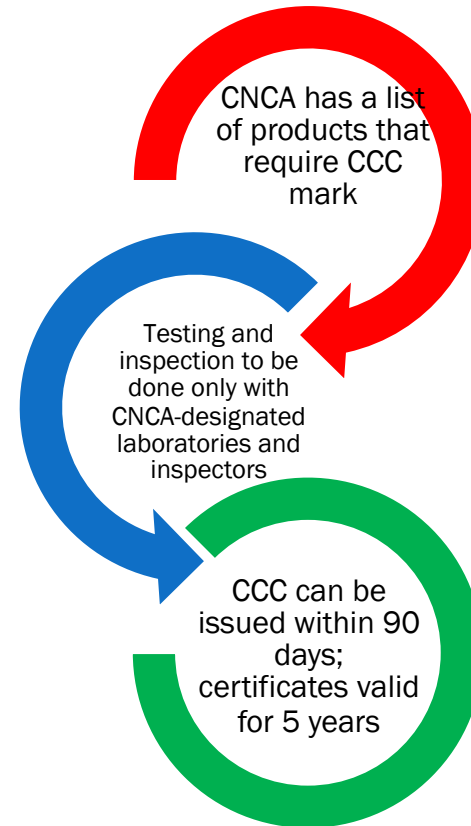
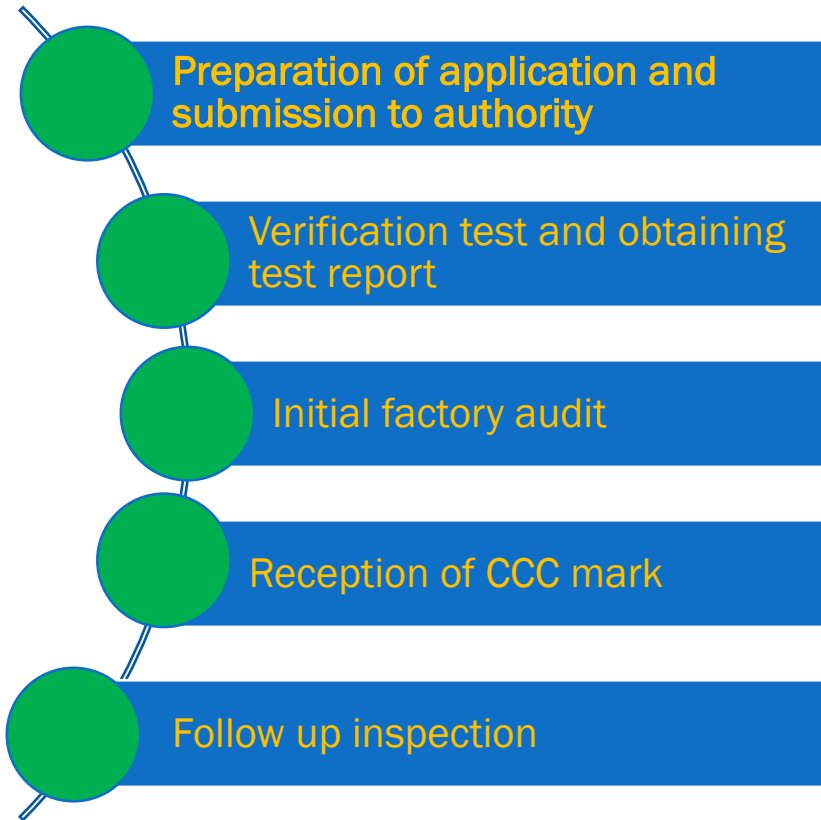
Conformity assessment and trade



Conformity assessment: EAC example



Example: China Compulsory Certificate (CCC)



Issues and Challenges: International Harmonization



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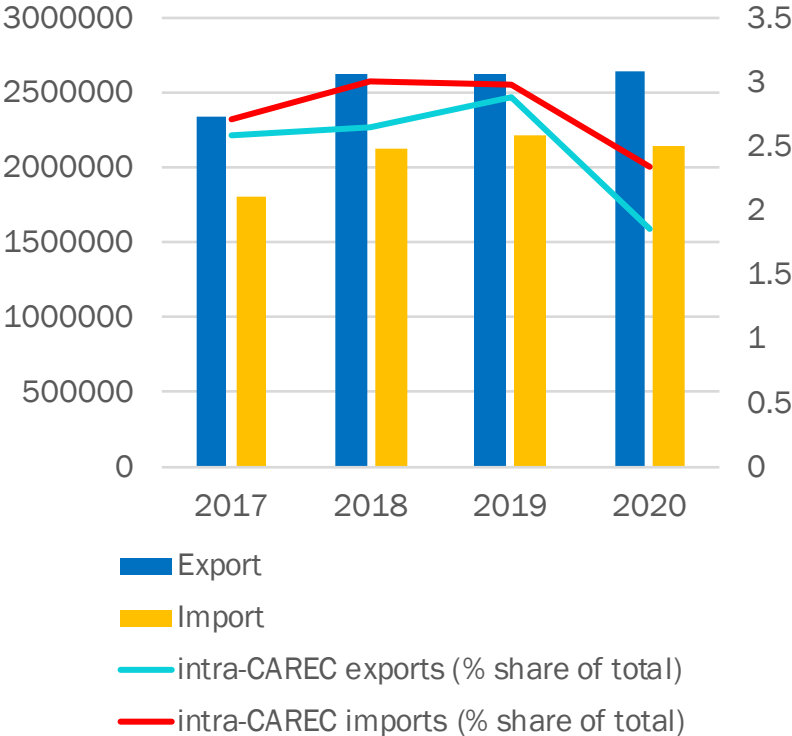
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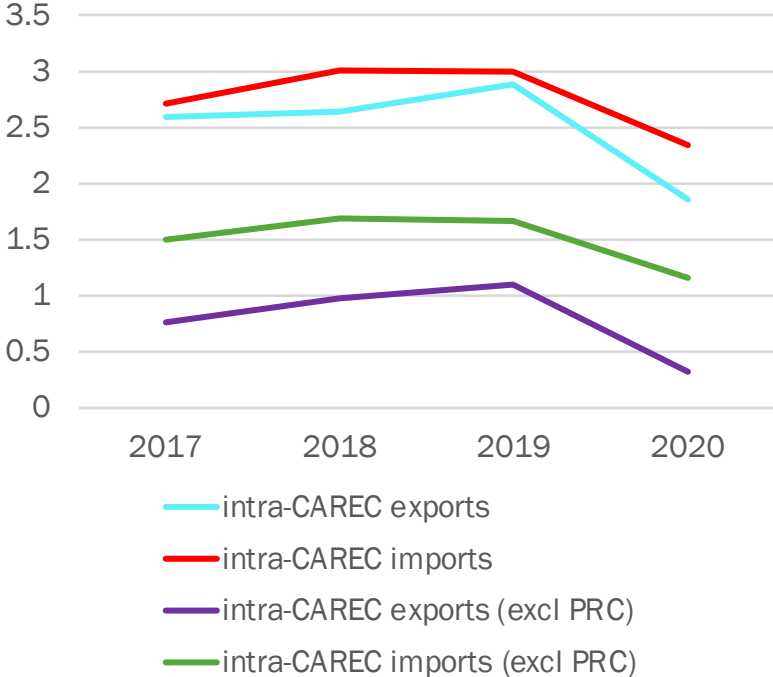


CAREC intra-regional trade

Trade of CAREC Countries



Intra-CAREC Trade (% of total)



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CAREC trade: majority trade more with EU

	Total Exports ('000 USD)	Intra-CAREC Exports	% Share of Total Exports				
			CAREC	PRC	EU27	US	Russia
PRC	2,498,569,866	46,839,046	1.87		17.08	16.75	1.98
Kazakhstan	57,722,941	11,819,000	20.48	13.55	42.66	1.55	9.71
Mongolia	7,619,754	6,779,403	88.97	88.88	4.76	0.34	0.89
Uzbekistan	14,838,092	5,244,826	35.35	11.87	1.11	0.03	13.70
Pakistan	23,268,391	3,338,944	14.35	8.58	34.58	17.22	0.61
Azerbaijan	19,635,203	1,503,997	7.66	3.83	51.17	0.12	3.69
Georgia	2,324,419	1,035,005	44.53	8.03	31.97	5.54	18.60
Kyrgyz Republic	1,986,110	630,860	31.76	4.10	44.55	0.13	14.16

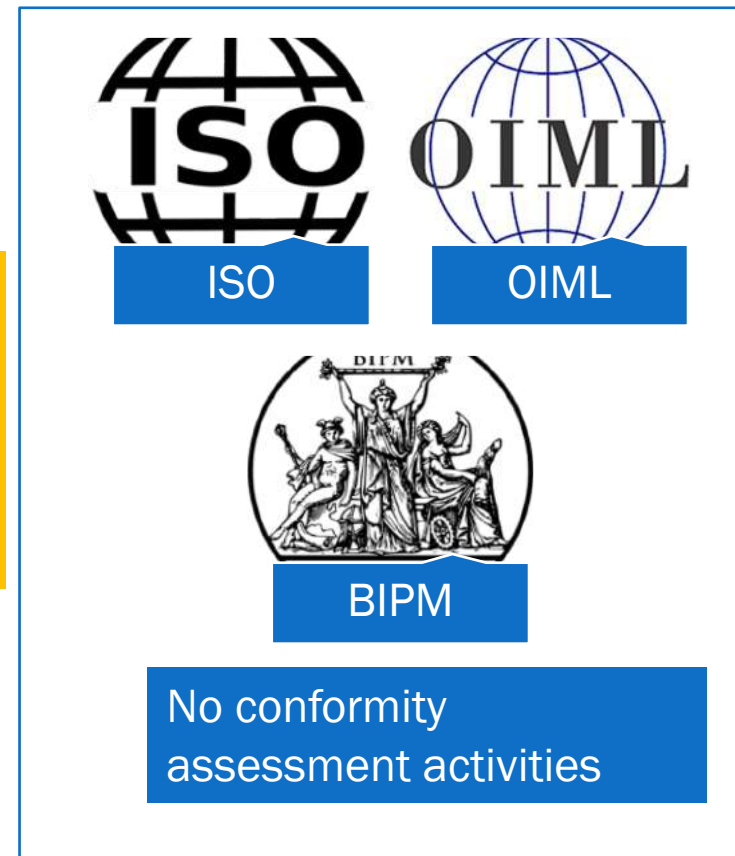
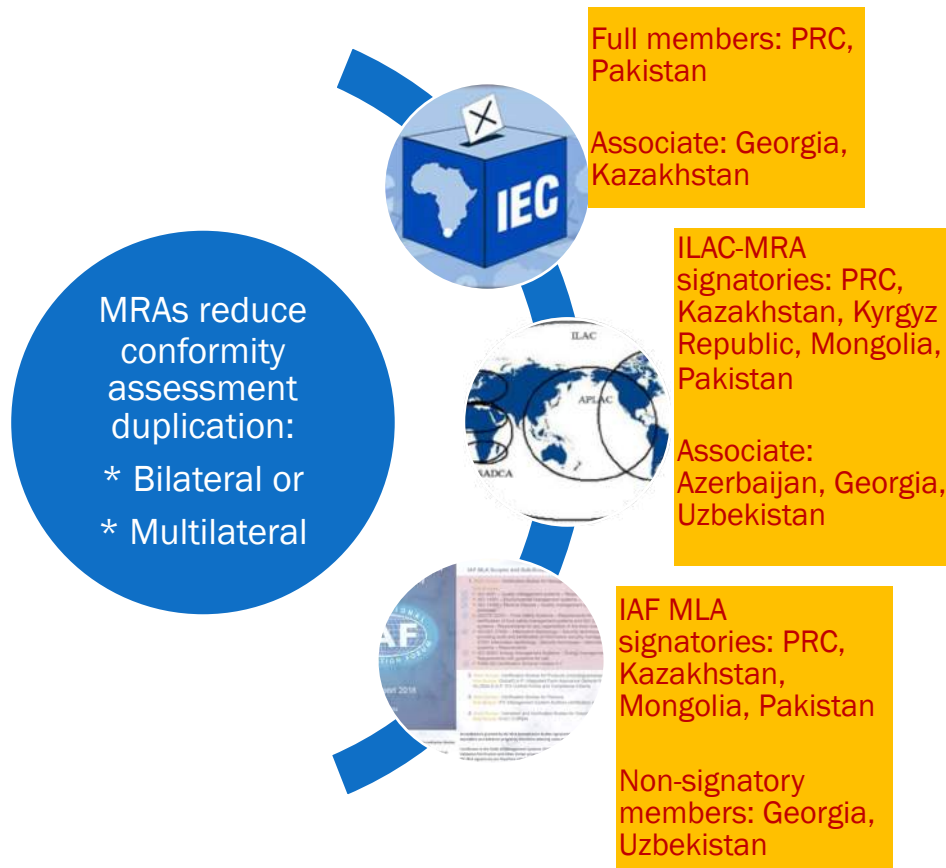
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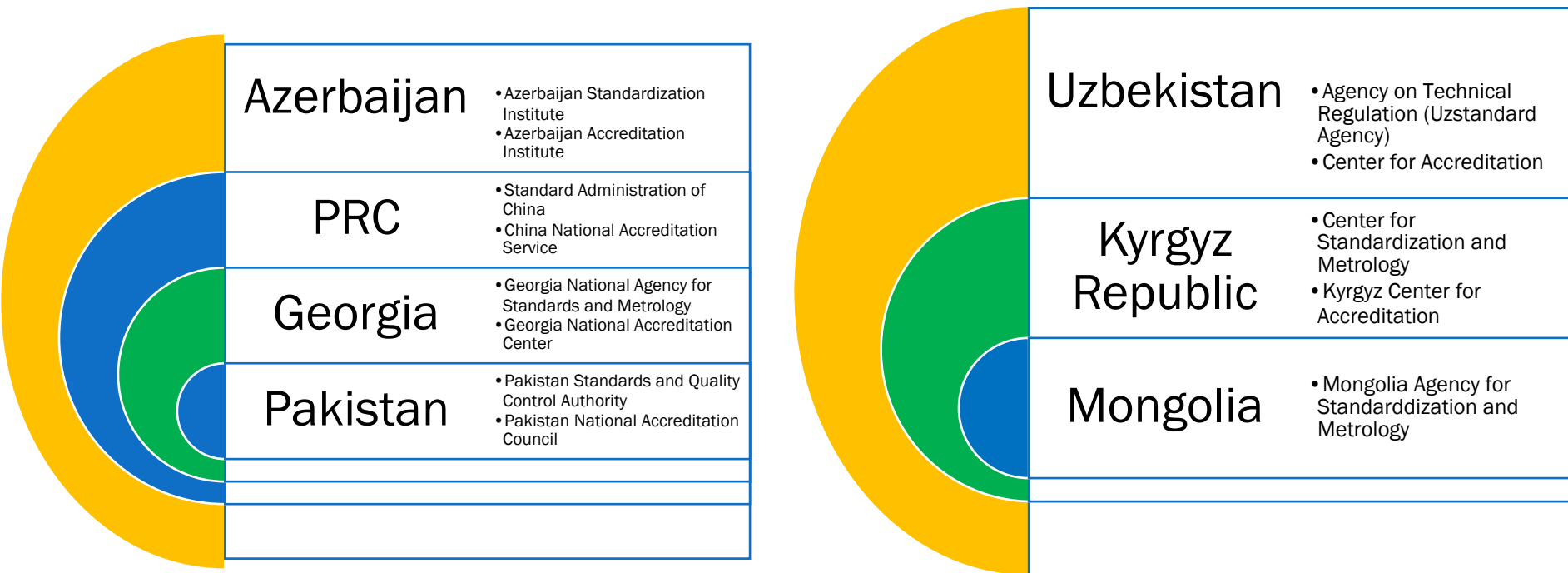


Conformity assessment and MRA



Signatories (following ISO/IEC standards) agree to accept each other's test results and certifications

Standards and conformity assessment in CAREC countries



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Next steps – For RTG guidance and support

Is the scope on standardization and conformity assessment systems discussed in the report adequate?

Is there any specific sector that you want more discussions of in terms of standardization and conformity assessment?

What areas of capacity building related to technical regulations does your country need?

Does your country have covid-related concerns with respect to technical regulations and conformity assessment?

Can you provide us with more details about your country's standardization process and conformity assessment systems?

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