	<b>Kyrgyz Center for Accreditation</b>	<b>Structure and analysis of traceability of measurements in the Kyrgyz Republic Support for accredited laboratories</b>	<b>KCA-PO.Γ КЦА-ΠΟ.Γ</b>
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### Abbreviation list

BCISM under CSM under ME KR – Bishkek center of Testing, Certification and Metrology under Center for Standardization and Metrology of the Kyrgyz Republic

CSM under ME KR –Center for Standardization and Metrology of the Kyrgyz Republic

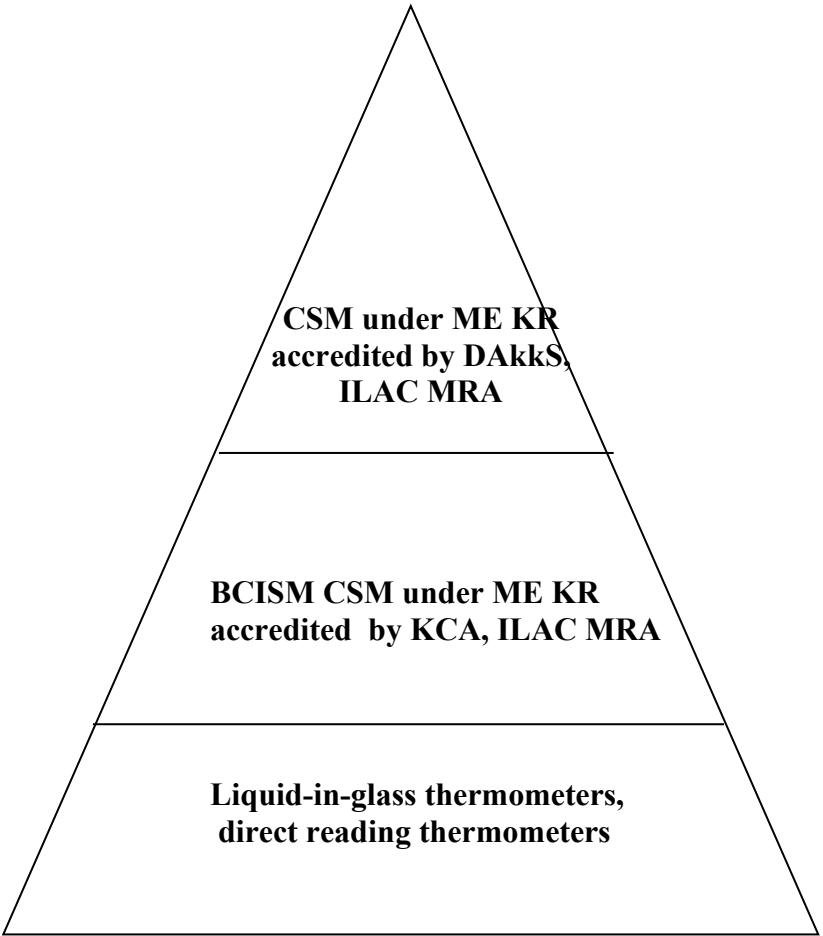
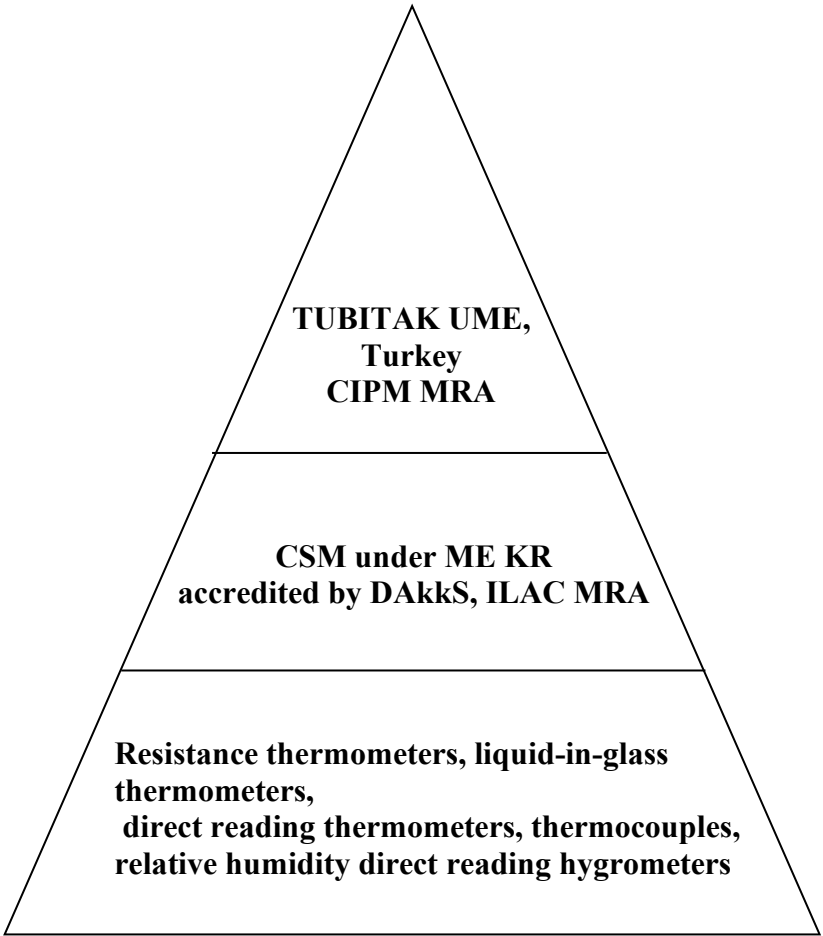
VNIIM -The D.I. Mendeleev All-Russian Institute for Metrology

Joint-stock company «NaCEkS» - National Center of expertise and certification of Kazakhstan

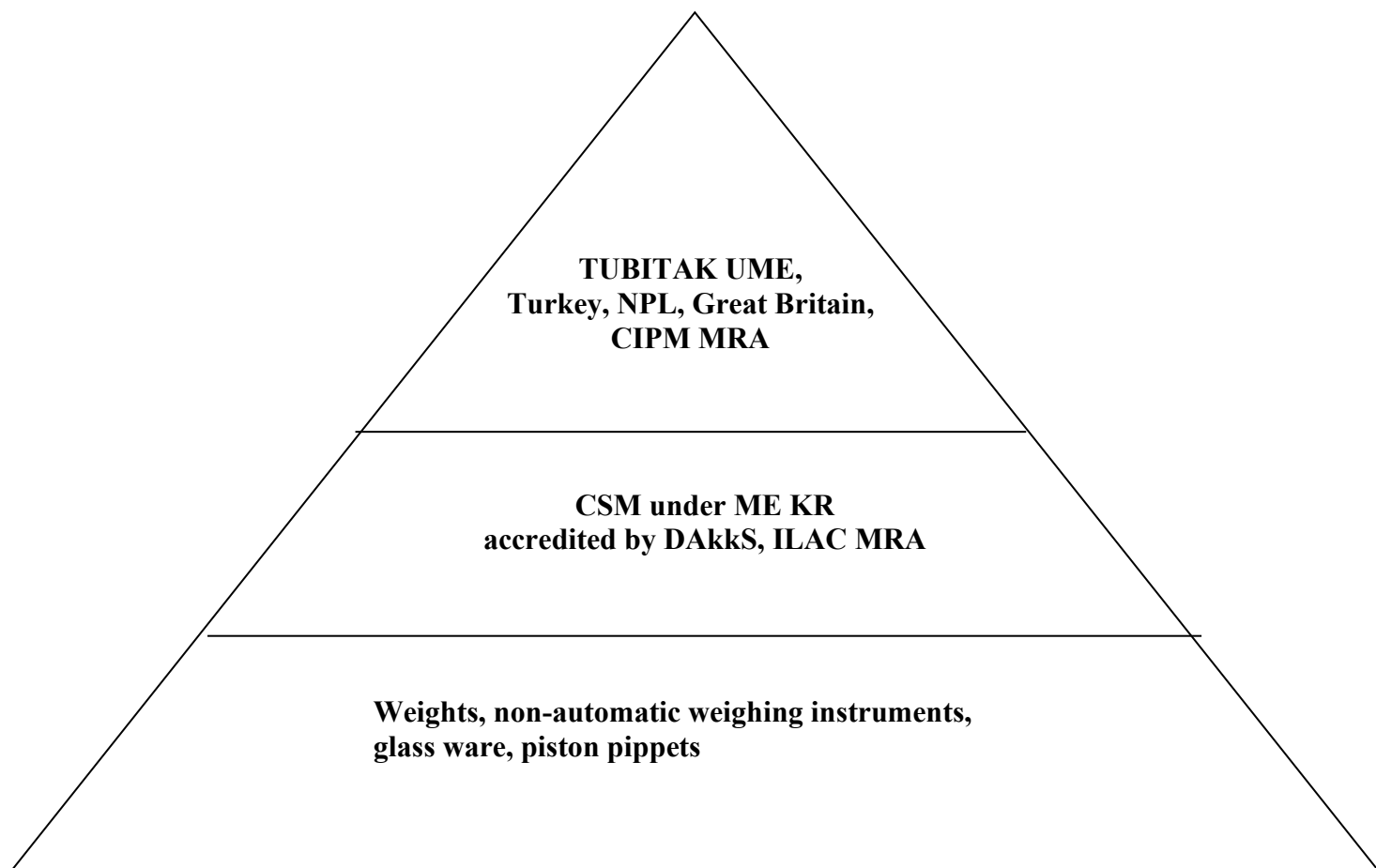
RSE “KazInMetr” – National Metrological Institute of Kazakhstan

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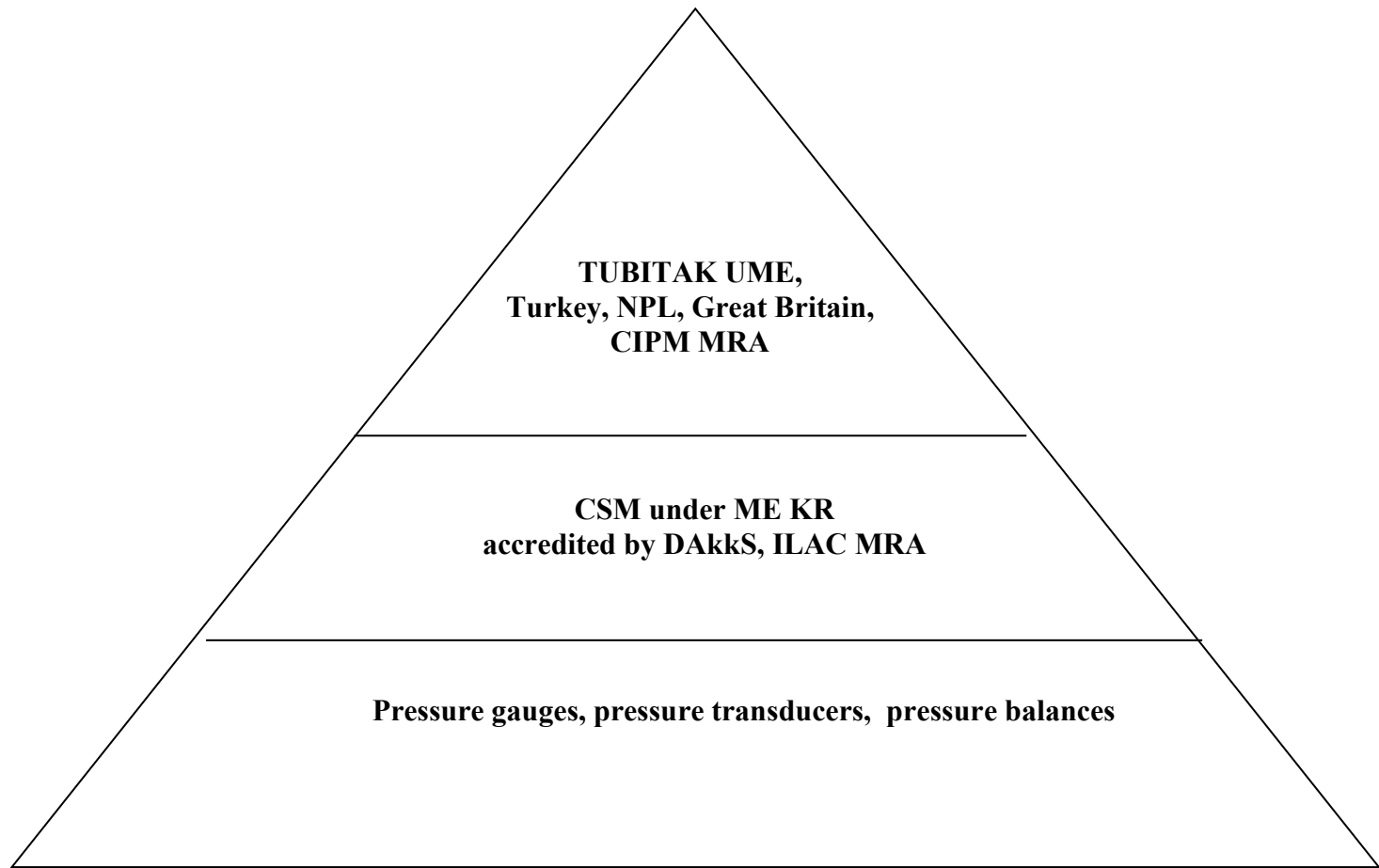
**Traceability of temperature measurements**



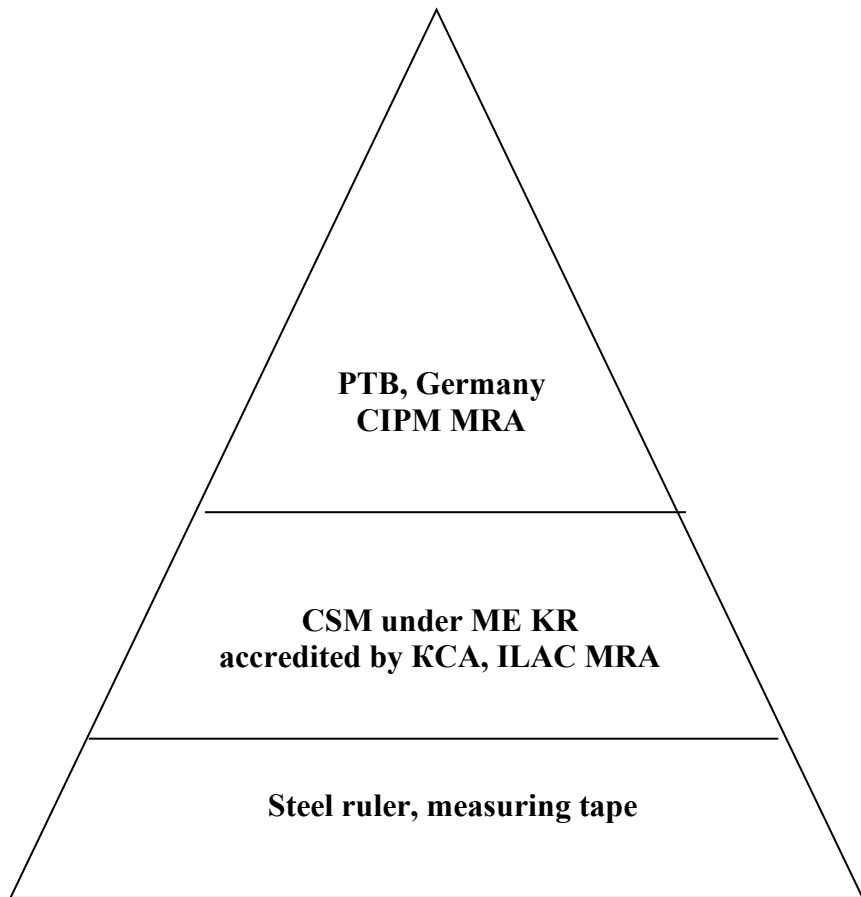
### Traceability of mass measurements



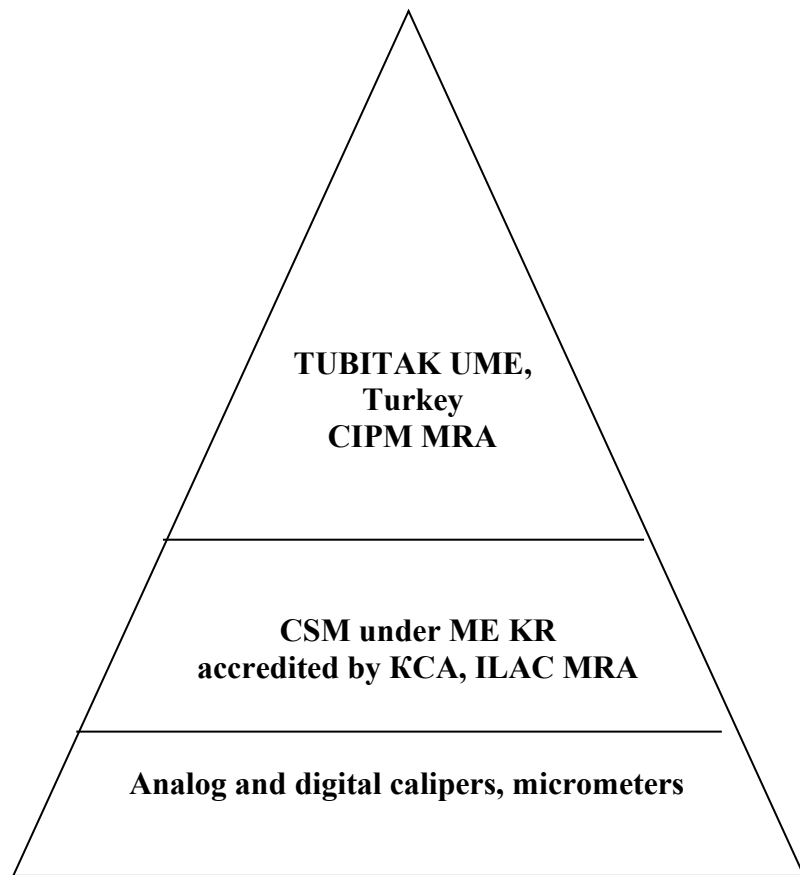
### Traceability of pressure measurements



### Traceability of length measurements

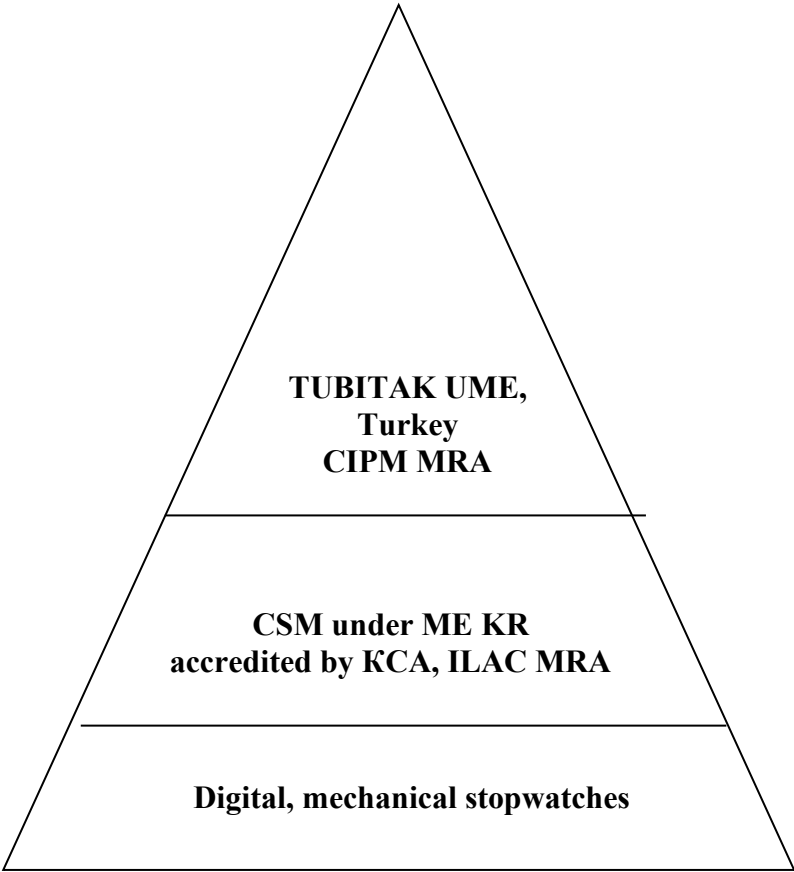


Through dashed measures of length

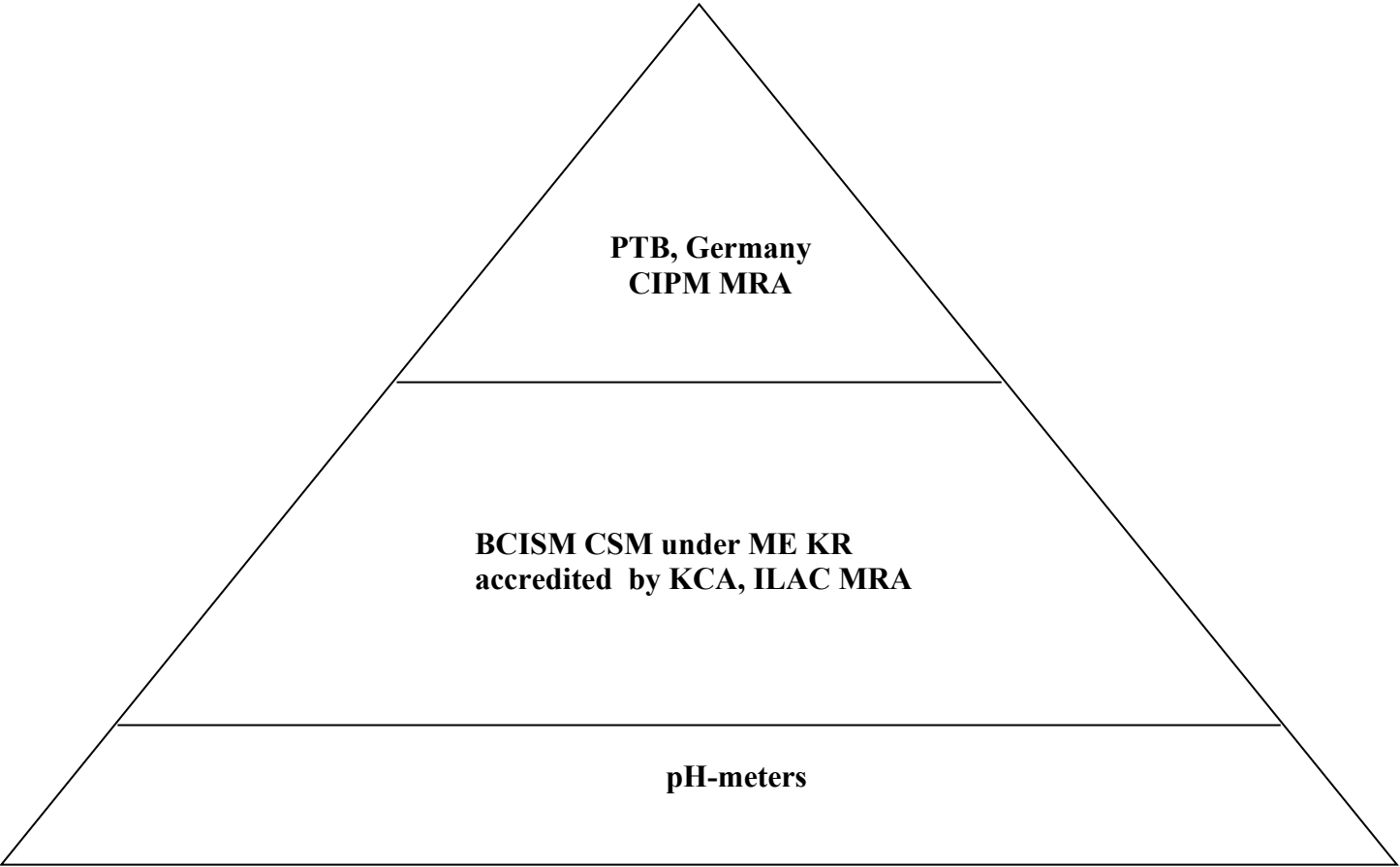


Through gauge measures of length

### Traceability of time interval measurements



**Traceability of pH measurements**



**Traceability of force measurements**


VNIIM, Russia  
CIPM MRA

BCISM CSM under ME KR  
In accreditation process by KCA,  
ILAC MRA

working dynamometers, tensile-testing machines,  
presses, testing machines

Traceability of viscosity measurements

Traceability of density measurements

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**VNIIM, Russia  
CIPM MRA**

**PTB, Germany  
CIPM MRA**

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**BCISM CSM under ME KR  
In accreditation process KCA,  
ILAC MRA**

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ILAC MRA**

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**Glass capillary viscometers**

**areometers, densitometers**

**Traceability of physical and chemical measurements**

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**Certified reference  
materials, produced in according to  
ISO/IEC 17034**

**BCISM CSM under ME KR  
In accreditation process by KCA, ILAC MRA  
spectrometers, chromatographs,**

**atomic absorption spectrometers, atomic emission  
spectrometers, conductivity meters and others**

**Traceability of electric measurements**

**TUBITAK UME,  
Turkey  
CIPM MRA**

**RSE “KazInMetr”  
Kazakhstan accredited by NCA,  
ILAC MRA**

**BCISM CSM under ME KR  
recognized by KCA, ILAC MRA**

**resistance, capacity, induction**

**ommeters, voltmeters, wattmeters**

**Traceability of optical measurements**

**VNIIM, VNIOFI, Russia  
CIPM MRA**

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**BCISM CSM under ME KR  
In accreditation process by  
KCA, ILAC MRA**

**BCISM CSM under ME KR  
Recognized by KCA, ILAC  
MRA**

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**Photometers, photoelectrocolorimeters,  
spectrophotometers**

**refractometers**

**Traceability of angle measurements**


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**BCISM CSM under ME KR**

**Angle measures**

**angle measures and meters**

**Traceability of industrial radio level of frequency interference measurements**

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Kazakhstan  
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**working measurement antennas**

**Traceability of noise, vibration, electrostatic field measurements**

**Traceability of ionizing radiation measurements**

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MRA**

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**Sound level meters (spectrographs), vibrometers for  
total and local vibration, devices to measure  
electrostatic field intensity  
  
dosimeters, radiometers**

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