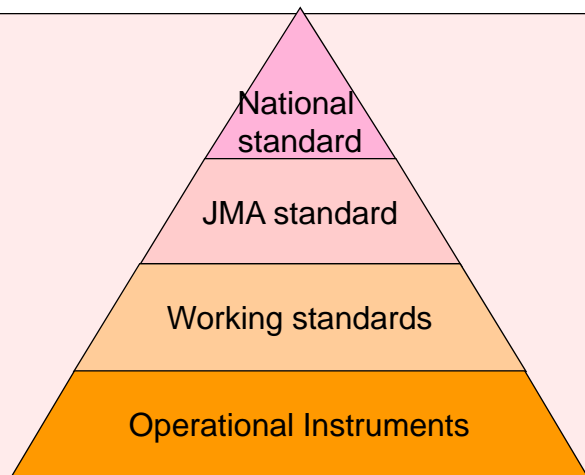


# Traceability of sunshine duration

Sunshine duration is defined as the period during which direct solar irradiance exceeds a threshold value of  $120 \text{ W/m}^2$ .

## 【Traceability】



『Traceability chart of JMA』



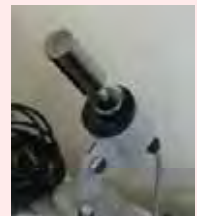
『National standard』



『JMA standard』



『Working standards』



- (1) The national standard instruments are absolute radiometers maintained at JMA's AED (Atmospheric Environment Division).
- (2) The JMA standard instrument is a pyr heliometer maintained at MIC. It is periodically compared and calibrated with the national standard.
- (3) The working standard instruments are two pyr heliometer types: pyr heliometer on a sun-tracker and rotating-mirror sunshine duration meter maintained at MIC. They are periodically compared and calibrated with the JMA standard.



『Comparison between JMA standard and working standard』

## 【Types of JMA operational instrument of sunshine duration】

『Pyr heliometer on sun-tracker』



CH - 2



MS - 101D

『Rotating-mirror sunshine duration meter』



MS - 093