Changes by Participants During Pre-Draft A Process

PTB

- PTB originally submitted two sets of uncertainty budgets for two different measurement configurations, and a single value and total uncertainty for each comparison point (being the maximum of the two values reported for the two configurations). During pre-Draft A, a single uncertainty budget table was created using the columns from the corresponding budget to facilitate calculation of covariances.

NIST

- Some of the uncertainty components reported initially were relative uncertainties rather than absolute uncertainty contributions. These were corrected to be absolute uncertainty contributions.
- The significant figures reported in the uncertainty budgets were increased in some cases.
- The correlation coefficient for the wavelength component of uncertainty was changed from 1 to 0.

LNE-CNAM

- An increase of the SFK uncertainty component for a selection of wavelengths.
- A diminution of the correlation coefficient for the cascade component.
- An increase of the wavelength uncertainty component for Filters B and C at 380 nm.

MKEH

- The uncertainties associated with Type A and with wavelength were increased for Filter C in both rounds.
- The measurements of Filter A during Step 4 were withdrawn.
- The measurements of Filter B at 380 nm and 400 nm during Step 2 were withdrawn.
- The measurements of Filter C at 400 nm, 700 nm and 900 nm during Step 2 were withdrawn.
- The measurements of Filter D at 800 nm and 900 nm during Step 4 were withdrawn.

NMIJ

- The measurement results of Filter A at 380 nm and 400 nm during Step 2 were revised to correct an error in the polarization effect.
- The measurement results and Type A uncertainties of Filter E at 700 nm and 1000 nm during Step 2 were revised after finding some anomalous data.

NMISA

- All uncertainty budget tables were extensively revised.

KRISS

- The degrees of freedom were changed (from infinite to finite) for Filters B, C, D and E during Steps 2 and 4 at several wavelengths.
- The transmittance values were reported to an additional significant figure.

A*STAR

- Added filter instability uncertainty component.
- Correlation coefficients of wavelength and beam size & position revised from 1 to 0.5.
- All uncertainty values due to beam size & position revised.
- Uncertainty values due to wavelength at 500, 600, 700 nm for Filter B revised.

NPL

- Filter instability uncertainty component added.
- Some uncertainties increased where inconsistent between rounds.
- More significant figures reported in some cases.

NRC

- Measurements of Filter A during Step 4 were withdrawn for all wavelengths.
- Filters B, C, D and E – changed correlation coefficient for temperature uncertainty from 1.0 to 0.5.
- Filter B – added an uncertainty component for filter instability and long-term drift at wavelengths of 700, 800, 900 and 1000 nm for Uncertainty Results (Step 4).
- Filter D – added an uncertainty component for filter instability and long-term drift at wavelengths of 800, 900 and 1000 nm for Uncertainty Results (Step 4).

VNIIOFI

- All uncertainty budgets were revised.