

# Agenda of the 23rd Meeting of the CCTF Working Group on TWSTFT

7- 8 Sept. 2015 at the Bureau International des Poids et Mesures (BIPM)

Chairman: Dirk PIESTER (PTB)

Executive Secretary : Zhiheng JIANG (BIPM)

Reporter: Erik DIERIKX (VSL)

## Session I. 14h-18h, 7 Sept

**Welcome speech** by Dr. E F Arias, Director of Time Department, BIPM

- Designation of rapporteur
- Approval of the agenda

### **1.1 Laboratory reports** (about 10 minutes)

- 1) AOS (Jerzy NAWROCKI)
- 2) CH (Christian SCHLUNEGGER)
- 3) IT (Ilaria SESIA)
- 4) NICT (Miho FUJIEDA)
- 5) NIST (Victor ZHANG)
- 6) NPL (Peter Whibberley)
- 7) NTSC (Huanxin LI, Hong ZHANG)
- 8) OP (Joseph ACHKAR)
- 9) PTB (Dirk PIESTER, Franziska Riedel)
- 10) ROA (Javier GALINDO)
- 11) SP (Kenneth JALDEHAG, Carsten Rieck)
- 12) TL (Calvin LIN)
- 13) USNO (Jonathan HIRSCHAUER)
- 14) VSL (Erik DIERIKX)

### **1.2 Network status** (about 10 minutes)

- 1) Status of Europe – USA links (Victor ZHANG/Jonathan Hirschauer/Dirk Piester)
- 2) Status of the Eu-Asia link via KPGO-USNO (Miho Fujieda/Jonathan Hirschauer/Calvin Lin)

Coffee break 16h00-16h20

**Diner about 19h**, Restaurant Novotel Sèvres

## Session II. 9h30-13h00, 8 Sept

### **Approval of the TWSTFT calibration Guidelines**

- TWSTFT Calibration Guidelines -- final version V3.0 (Task group BIPM et al.)
- Annex I Report of TWSTFT calibration using TWSTFT mobile station (Javier Galindo et al.)
- Annex II Report of TWSTFT time link calibration using GPS (Zhiheng Jiang et al.)

Coffee break 11h00-11h20

Lunch 13h00-14h00

## Session III. 14h00-16h30, 8 Sept

### **3.1 Developments** (about 10 minutes):

- 1) Study on carrier-phase TWSTFT by SATRE modems (Miho Fujieda, NICT)
- 2) OP-PTB TWCP experiment in collaboration with NICT (Joseph Achkar, OP)
- 3) The TL-KPGO-USNO-PTB TWSTFT Links (Calvin Lin et al., TL)
- 4) A new approach for software-defined receivers and the recent results (Yi-Jiun Huang, Calvin Lin, TL)
- 5) Preliminary results of the ITOC clock comparison campaign in June (Franziska Riedel, Erik Benkler, Julia Leute, Dirk Piester, Ilaria Sesia, Giancarlo Cerretto, Peter Whibberley, Joseph Achkar)
- 6) Timetech's Status of Digital Modem development, Mobile Calibration Station and Some Conclusions from ACES MWL Tests (Wolfgang Schaefer, TimeTech)
- 7) Vondrak smoothing, how it works (Demetrios Matsakis, USNO)
- 8) New development in the TWOTT in Poland (J Nawrocki, AOS)

### **3.2 Discussion**

Next TW WG meeting ? etc.

### **3.3 Lab tour** (Mass, Watt balance, Chemistry etc.)

16h30, 8 Sept. 2015

## Tuesday 8 September

### Visit Programme - - TWSTFT WG

<b>The BIPM Watt Balance</b> Dr Hao Fang / Dr Franck Bielsa	16h30-16h40	<b>GROUP A</b>	17h10-17h20	<b>GROUP B</b>
<b>Calculable capacitor</b> Dr Pierre Gournay	16h40-16h50	<b>GROUP A</b>	17h20-17h30	<b>GROUP B</b>
<b>qNMR facilities at the BIPM</b> Dr Steven Westwood	16h55-17h10	<b>GROUP A</b>	16h30-16h40	<b>GROUP B</b>
<b>Greenhouse and air quality gas</b> Dr Joële Viallon	17h10-17h20	<b>GROUP A</b>	16h45-16h55	<b>GROUP B</b>
<b>SIR, SIRT1</b> Dr Guy Ratel	17h20-17h30	<b>GROUP A</b>	16h55-17h05	<b>GROUP B</b>