Calibration Report No. 2016-2018/UFE
Laboratory of the National Time and Frequency Standard
(Designated Institute of the Czech Metrology Institute)

**Instrument:**
- **Name:** GNSS Time Transfer Receiver
- **Type:** GTR 51
- **SN:** 1808002

**Antenna:**
- **Type:** Novatel GNSS-850
- **SN:** NMLK18070097C

**Antenna Cable:**
- **Type:** Belden 50Ω LOW LOSS H155 PVC
- **Length:** 30 m

**Reference:**
- **Signal:** 1 PPS and 10 MHz signals of UTC(TP) generated from the Cesium clock 5071A SN 1227
- **Receiver:** GPS Time Transfer Receiver GTR 55, SN 1541941, calibrated by BIPM, Cal. ID 1102-2017

**Measurement Date:** 16 September 2018, 00:00:00–23:59:59 UTC

**Measurement Results:**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>GPS L1 C/A</td>
<td>(26.9 ± 1.0) ns</td>
</tr>
<tr>
<td>GPS L1P</td>
<td>(26.7 ± 1.0) ns</td>
</tr>
<tr>
<td>GPS L2P</td>
<td>(25.9 ± 1.0) ns</td>
</tr>
</tbody>
</table>

**Measurement performed by:** Alexander Kuna, Ph.D.

Attachment: Graphs with measured values.

**Prague, 18 September 2018**