



INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

# IT4PQ Project 2th Stakeholder Virtual Workshop

## IEC SC 77a WG9 Report of the Recent Activities

Liaison report **SC 77A WG9**

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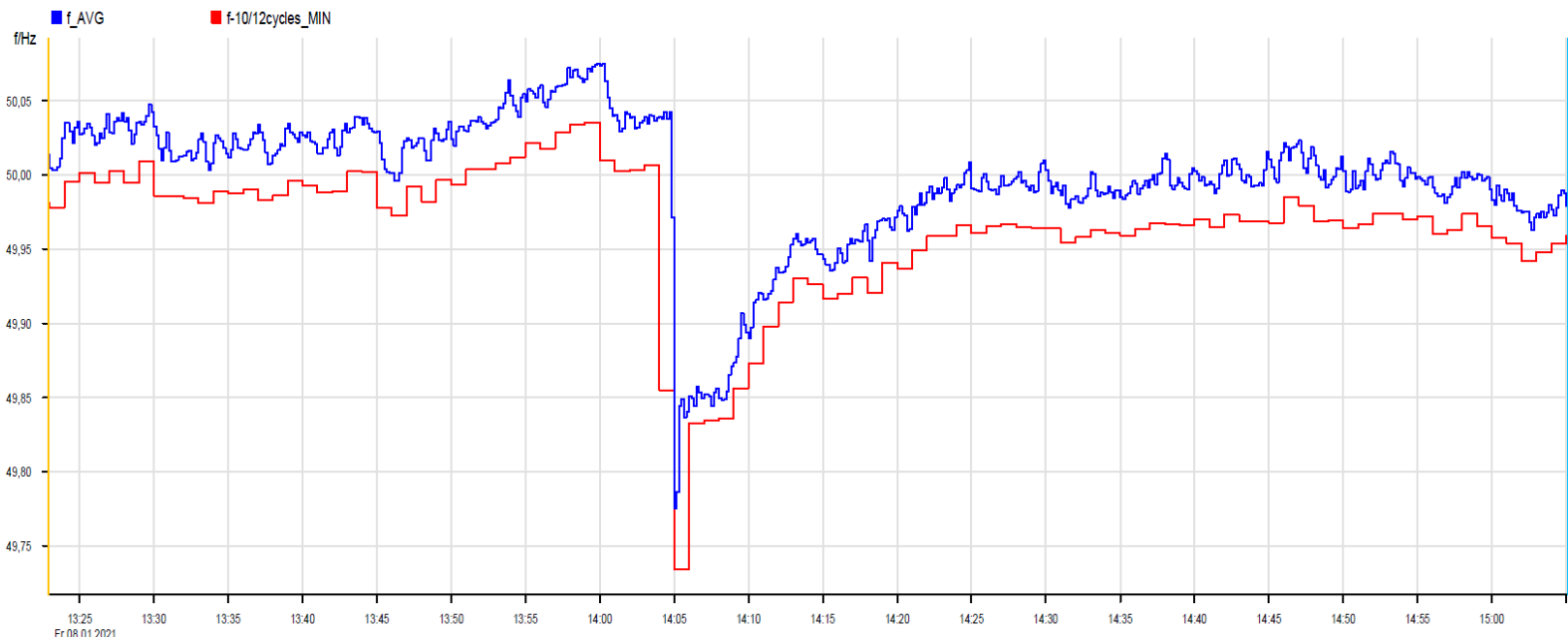
# IEC SC 77A WG9

## Power Quality Measurement Methods

28.01. 2021	Online meeting	Convenor: Dr Michael Schwenke
19.04.2021	Online meeting	Convenor: Dr Michael Schwenke
01.09.2021	Online meeting	Convenor: Dr Michael Schwenke
06.12.2021	Online meeting	Convenor: Dr Michael Schwenke

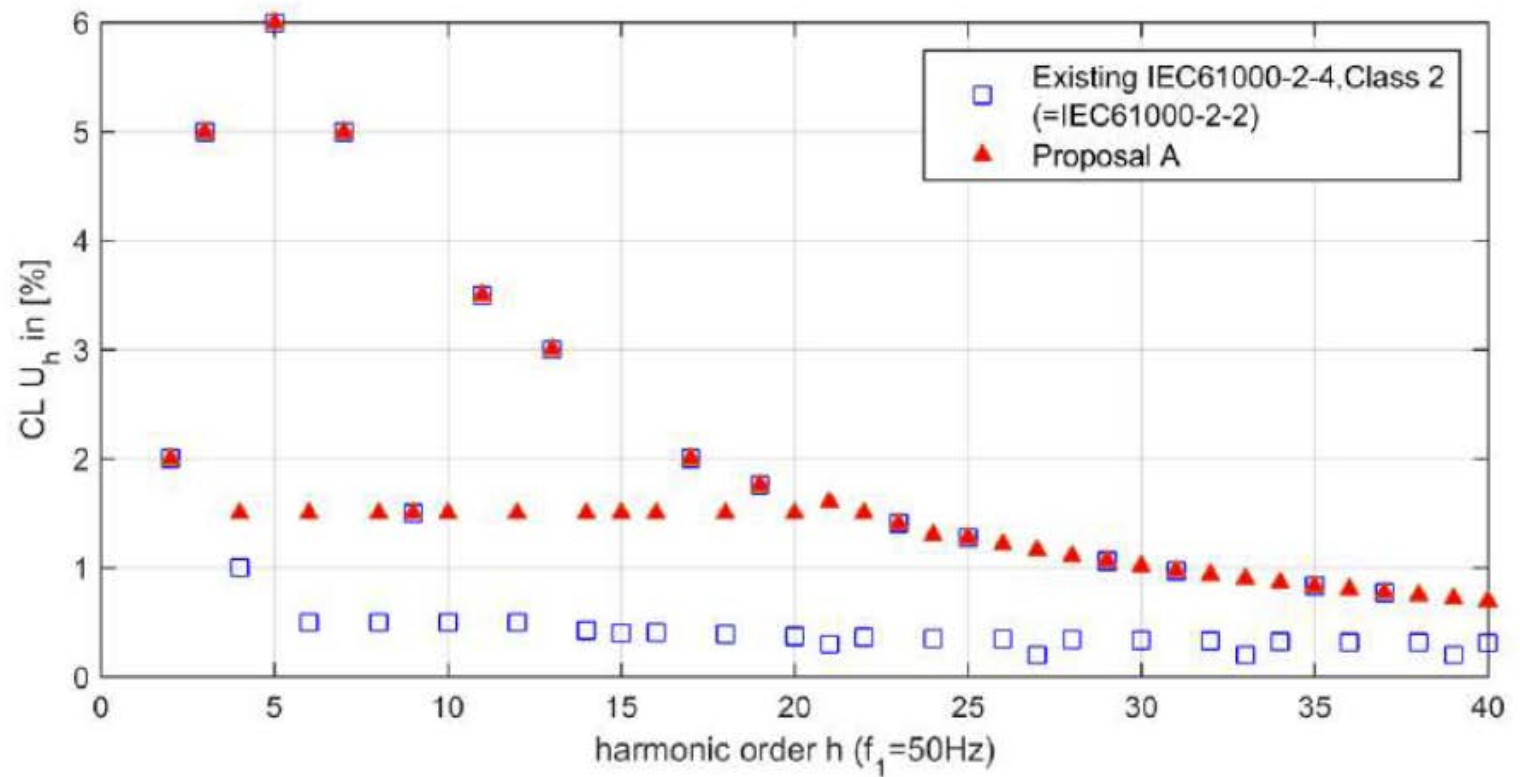
- **Measurement uncertainties**
- **Maintenance IEC 61000-4-30 Ed3**
- **Introduction IEC 61000-4-30 Ed4**
- **Supraharmonic measurement method**
- **Review the Strategic Business Plan**

- 10-s frequency recorded with SICAM Q200 in Berlin (Germany)
- 10-cycle minimum frequency (aggregation interval 1 minute)



- **Report from ahWG 10 „Measurement uncertainties in SC77A**
- **Maintenance IEC 61000-4-30 Ed3 (IS published on March 4th 2021)**
- **Introduction IEC 61000-4-30 Ed4**
- **New THD limits in EN 50160 and TS 62748**
- **New supraharmonic measurement method-light at the end of the tunnel**
- **Review the Strategic Business Plan**

## Proposal "A" from manufacturers of industrial equipment



- **Report from ahWG 10 „Measurement uncertainties in SC77A standards”**
- **Official start of project IEC 61000-4-30 Ed4**
- **New supraharmonic measurement method-light at the end of the tunnel**
- **Annex C in IEC 61000-4-30 Ed4. informative or normative? Transition period?**
- **Review the Strategic Business Plan**

- **Report from ahWG 10 „Measurement uncertainties in SC77A standards”**
- **Maintenance on IEC 61000-4-30 Ed3**
- **Topics for project IEC 61000-4-30 Ed4:**
  1. **RVC**
  2. **RMS**
  3. **CISPR**
  4. **Class S**
  5. **Aggregation**
- **Guidelines on IEC TS 63222-1 /2/3/100**



- **WG Title: „ Power Quality Measurement Methods”**

PQ standard:

- **IEC 61000-4-30 Testing and measurement techniques-Power quality measurement methods**



# IEC 61000-4-30 Testing and measurement techniques-Power quality measurement methods

## IEC 61000-4-30:2015+AMD1:2021 CSV Consolidated version

Electromagnetic compatibility (EMC) - Part 4-30:  
Testing and measurement techniques - Power quality  
measurement methods

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# IEC 61000-4-30 Testing and measurement techniques-Power quality measurement methods



## IEC 61000-4-30

Edition 3.1 2021-03  
CONSOLIDATED VERSION

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE





# IEC 61000-4-30 Testing and measurement techniques-Power quality measurement methods

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[History](#)

Work in progress

Date	Publication	Edition	Status
2021-03-04	<a href="#">IEC 61000-4-30:2015/AMD1:2021</a>	3.0	Valid
2016-12-15	<a href="#">IEC 61000-4-30:2015/COR1:2016</a>	3.0	Valid
2015-02-20	<a href="#">IEC 61000-4-30:2015</a>	3.0	Valid
2015-02-20	<a href="#">IEC 61000-4-30:2015 RLV</a>	3.0	Valid
2008-10-13	<a href="#">IEC 61000-4-30:2008</a>	2.0	Revised
2006-08-15	<a href="#">IEC 61000-4-30:2003/COR1:2006</a>	1.0	Revised
2003-02-11	<a href="#">IEC 61000-4-30:2003</a>	1.0	Revised