5th September 2016

# Subject │ Minutes of the WG4 Standards Meeting of COST Action *IC1407 Advanced characterisation and classification of radiated emissions in densely integrated technologies (ACCREDIT)*

5/9/2016

1. **Welcome to participants**

The participants were welcomed by *The Chair Dave Thomas*

1. **Tour de table/ introduction of the MC members**

The following delegates were present

Dave Thomas (UK),

John Dawson (UK),

Johannes Russer (DE),

Davy Pissoort (BE)

Anders Mynster (DK)

Franco Moglie (IT), Valter Mariani Primiani (IT), Luca Bastianielli (IT)

Frank Leferink (NL)

Andrey Beav (RS)

Yury Kuznetsov (RS)

Zbigneiw Joskiewicz (PL)

Unfortunately the Skype link could not be made to work and external members could not join the meeting.

1. **Establishment of a standard**

*Dave Thomas* Presented thescope of the problem:

Three possible standard types can be created which are: Basic (Measurement), Generic (Environment) and Product Standards. Possible standards organisations are the IEEE, IEC or CISPRE. We neeed to decide which standards we want to develop and which standards organisations to liaise with. The IEEE offers the quickest root for an international standard. IEC already has a standard for the near field measurement of emissions from ICs and we could simply work towards adjusting this standard or produce a completely new standard.

*In the following discussion the following points were made:*

1. IEC will require working groups with membership from each country and may be expensive to join as well as a longer process.
2. IEEE is relatively to set up appropriate working groups and has a faster development time.

It was therefore suggested to develop a generic standard within IEEE and a proposal we need to be submitted for the 11th November meeting. The following basic outline was proposed:

1. Standard to be defined for the frequency range 30 MHz-3GHz
2. DUT size needs to be decided and this can be outside the sizes currently investigated (30x30 cm)
3. DUTs without cables will be initially considered
4. Need to consider modes of operation/ source limitations
5. Algorithms plus open source programs may need to be included
6. Theoretical annex also required

1. **Action**
2. Dave Thomas to draft PAR form for IEEE and circulate
3. Need to define a generic DUT which is self-powered (no cables) for round-robin laboratory testing. Both Delta and University Wroclaw have suitable anechoic chambers for 10m tests

1. **Date of Next Meeting**

4th April 2015 at Nottingham UK