

# P1858

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**Type of Project:** New IEEE Standard

**PAR Request Date:** 09-Mar-2012

**PAR Approval Date:** 29-Mar-2012

**PAR Expiration Date:** 31-Dec-2016

**Status:** PAR for a New IEEE Standard

**Project Record:** P1858

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**1.1 Project Number:** P1858

**1.2 Type of Document:** Standard

**1.3 Life Cycle:** Full Use

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**2.1 Title:** Standard for Camera Phone Image Quality (CPIQ)

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**3.1 Working Group:** Camera Phone Image Quality (BOG/CAG/CPIQ)

**Contact Information for Working Group Chair**

None

**Contact Information for Working Group Vice-Chair**

None

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**3.2 Sponsoring Society and Committee:** IEEE-SA Board of Governors/Corporate Advisory Group (BOG/CAG)

**Contact Information for Sponsor Chair**

**Name:** Dennis Brophy

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**Contact Information for Standards Representative**

None

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**3.3 Joint Sponsor:** IEEE Communications Society/Standards Development Board (COM/SDB)

**Contact Information for Sponsor Chair**

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**4.1 Type of Ballot:** Entity

**4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot:** 03/2014

**4.3 Projected Completion Date for Submittal to RevCom:** 05/2015

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**5.1 Approximate number of entities expected to be actively involved in the development of this project:** 5

**5.2 Scope:** This standard addresses the fundamental attributes that contribute to image quality, as well as identifying existing metrics and other useful information relating to these attributes. It defines a standardized suite of objective and subjective test methods for measuring camera phone image quality attributes, and it specifies tools and test methods to facilitate standards-based communication and comparison among carriers, handset manufacturers, and component vendors regarding camera phone image quality.

**5.3 Is the completion of this standard dependent upon the completion of another standard:** No

**5.4 Purpose:** This standard specifies methods and metrics for measuring and testing camera phone image quality to ensure consistency of image quality.

**5.5 Need for the Project:** Camera phones currently on the market with identical image (megapixel) resolution capabilities produce vastly different quality images. Due to sensor and lens size limitations, increasing the number of megapixels in a camera phone often leads to reduced image quality. Camera phone vendors do not have sufficient standardized metrics to compare one product to the next. They simply know whether or not a mobile phone contains an image capture device. At the same time, they know that image quality is important to consumers as an aspect of product quality, and important to motivate them to print or share those images.

**5.6 Stakeholders for the Standard:** PC, Tablet, Smartphone manufacturers, Application developers, telecom service providers, sensor manufacturers

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**Intellectual Property**

**6.1.a. Is the Sponsor aware of any copyright permissions needed for this project?:** Yes

**If yes please explain:** Need permission from I3a to use their previously developed specs.

**6.1.b. Is the Sponsor aware of possible registration activity related to this project?:** No

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**7.1 Are there other standards or projects with a similar scope?:** No

**7.2 Joint Development**

**Is it the intent to develop this document jointly with another organization?:** No

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**8.1 Additional Explanatory Notes (Item Number and Explanation):** This work has been supported by a number of key IEEE-SA corporate members since 2007 and is being submitted to be under the auspices of the IEEE-SA. COM/SDB added as Joint Sponsor - Dec. 2012