

W1.1 Image Quality of Printers

INCITS W1.1 2003 - 050

Gloss and Gloss Uniformity

Yee Ng/Chunhui Kuo, Sep 3, 2003

Gloss/Gloss Uniformity Ad Hoc Teleconference Meeting Notes:

(9/02/2003 teleconference)

Present: Yee Ng (Chair, Nexpress, present for half of the meeting), Michael Viola (Cabot Corp), Chunhui Kuo (Nexpress), Pashant Mehta (ImageExpert), Eric Maggard (HP), Luke Cui (Lexmark).

Absent members:

Dale Mashtare (Xerox), Dan Hann (RIT), Mike Pointer (National Physical Lab, UK), Jeff Wang (Nexpress), Eric Zeise (Nexpress), John Kessler (Paxar), Peter Morris (HP).

Next Teleconference: Tuesday, September 18, 2003 @ 1:30 EST.

Agenda:

- (1) Gloss Artifact round-robin experiment.
- (2) Gloss uniformity within page study.
- (3) Upcoming paper to the Electronic imaging conference.
- (4) Effect of color on gloss.
- (5) Haze effect on perceived gloss on glossy print samples.

The Gloss/Gloss uniformity ad hoc team met on 9/02/2003. Michael Viola from Cabot Corp joined this ad hoc team as our newest member, and CK gave a short introduction.

Mike first identified that the effect of haze on gloss is much more obvious on print samples with high gloss reading from their experience with glossy pigment ink. Although the gloss readings on their samples are high, the perceived gloss is actually lower. He suspects that it is caused by the perceived haze appearance. This is a new topic haven't been addressed by this team because all of the collected print samples from present members have lower gloss reading such that the haze doesn't affect the gloss perception much. As a result, Mike agreed to YN's request to write a summary regarding this issue to circulate among present members.

Eric (HP), Luke (Lexmark) and CK (NexPress) have tested the proposed microgloss artifact chart V2.0 via using different types of printers and find no perceivable discrepancy between the printed and requested colorant coverage. Hence, they will begin collecting print samples containing various types of microgloss artifacts for the round-robin experiment and the paper to the Electronic imaging conference. YN will also include his finding on the gloss uniformity within page study in that paper. After collecting all microgloss artifact samples, Pashant at ImageXpert agrees to scan them into digital images for future development on microgloss artifacts.

Next call-in conference: Tuesday, September 16 2003, 1:30PM EST.

Proposed agenda for September 16, 2003

- (1) Gloss Artifact round-robin experiment evaluation procedure.
- (2) Gloss Artifacts printing and sample collection
- (3) Upcoming paper to the Electronic imaging conference.

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