W1.1 Image Quality of Printers NCITS W1.1 2001 – 039

Gloss and Gloss Uniformity

Yee S. Ng, May11, 2001

Ref:

1. NCITS – W1.1 2001-0038 Gloss/Gloss Uniformity ad hoc teleconference meeting notes (4/17/2001 teleconference), May 7, 2001.
2. NCITS – W1.1 2001-0036 PICS2001 Gloss Uniformity ad hoc team presentation.
3. NCITS – W1.1 2001-0037 Gloss cross-lab correlation test target.

Gloss/gloss uniformity ad hoc Teleconference Meeting Notes
(5/8/2001 teleconference)

Present: Yee Ng (NexPress, Chair), Eric Schneider (HP), Maguerite Doyle (Lexmark), Dale Mashtare (Xerox)

Next Teleconference: Tuesday June 5, 2001 @ 12:30 AM EST

Agenda

1. Review/modify agenda
2. Discuss measurement method and test target definition.
3. Schedule next teleconference

The Gloss/gloss uniformity ad hoc met on 5/7/2001 and the ad hoc approved the agenda that was sent earlier in NCITS-W1.1 2001-0038. The ad hoc approved the agenda for the discussion. Yee Ng described the summary presentation that he has made in the PICS2001 International conference relating to the update on the W1.1 Gloss uniformity ad hoc's activities. An electronic file of the presentation is available as NCITS – W1.1 2001-0036. Yee has also distributed the new randomized gloss cross-correlation test target (in RGB pdf format). The test target is NCITS – W1.1 2001-0037. Jeff Wang (NexPress) has sent out his recommendation of the three papers (of different gloss) that can be used for the cross-correlation tasks. The 3 papers are:

(1) Mohawk Navajo Brilliant White, 118 gsm, uncoated, G60~5
(2) Wausau Exact Gloss 80# cover, G60~25
(3) Sappi Spectrotech Lustro Laser, 118 gsm, coated glossy, G60:40

Of course it is understood that these are just the papers that we have suggested to use in the media gloss regions of interest as a starting point. Other papers of a similar gloss value can be used for this test.

The ad hoc discussed the new RGB gloss cross-correlation test target and find that to be satisfactory for use. The ad hoc has requested a layout file including patch # and RGB values of the cross-correlation target should also be provided. I have attached such a layout file with this Meeting Minute. The ad hoc further requested some of the 3 papers suggested above to be sent to Xerox, HP, Lexmark and Kodak so that similar paper lot

can be used to generate printed samples with different equipment for gloss cross-correlation measurement. Yee Ng will follow-up with Jeff Wang (NexPress) to provide the papers. Maguerite Doyle has agreed to identify a high gloss paper for inkjet use to cover the higher gloss end of the media beyond the 3 papers that we have selected. The ad hoc has agreed that they will produce print samples with the 3 papers named above (or similar gloss alternatives) and will start the gloss measurement with their available gloss measurement systems (with more than one measurement angle if available). The print samples will be exchanged and the data will be reported according to the patch # stated in the layout document. It is anticipated that this work will require some time to perform, the ad hoc has agreed to meet again 1 month later to discuss the result of the gloss cross-correlation result.

Next call-in teleconference: Tuesday, June 5, 2001 @12:30 AM EST

Proposed agenda for June 5, 2001

1. Review/modify agenda
2. Discuss measurement method and gloss cross-correlation test target results.
3. Schedule next teleconference

gloss_layout_RGB_version2.pdf

Yee S. Ng (Principal member, NTICS-W1)
NexPress Solutions LLC
Yee_Ng@nexpress com
Rochester, NY 14653-7002
Phone: 716-726-3935