Minutes of the PWG *CE Print BOF*

Vancouver, May 26 2004

Fumio Nagasaka 05/29/04

Attendees

- Harry Lewis, IBM (PWG Chairman)
- Lee Farrell, Canon (PWG Vice Chairman)
- Jerry Thrasher, Lexmark (PWG Secretary)
- Bill Wagner, NetSilicon
- Ira McDonald, High North (by phone)
- Peter Zehler, Xerox (by phone)
- Paul Danbold, Apple Computer
- Fumio Nagasaka, Epson

Agenda (planned)

Brainstorming

> Use case
>
> Requirements
>
> Draft specification review

Chartering

> Charter revise

Brainstorming

Initial objectives

1) CE devices often have a huge storage capability (e.g. DVD, Home Server) and it may be able to keep more than 10,000 photo pictures. How to find 10 printable photos from 10,000 JPEG files?

Somehow other solutions (e.g. *UPnP Contents Directory Service*) are providing data base, limited CPU resource in a cheep consumer printer hardly allow the user to browse 10,000 photos with its GUI.

2) Also how can a user specify printing condition (e.g. paper size, media type and halftone method) without using GUI, if $49 printer only provides memory card slot.

Use case scenario

Micro job ticket

The PWG micro job ticket allows a printer client to specify media type and media size for a photo data or a group of photos.

This use case is "not clear" or "not applicable"; Cheep inkjet printers do not provide media type sensor or even though printers have media type sensor, there are no way to select correct media when the printer lacks the media specified by the job ticket. In this case the printer may reject the job then alert the user to change media.

Meta data annotating

The PWG micro job ticket may have an annotating field with free text string (e.g. picnic, party …) for a photo data or a group of photos.

Who write annotation? Who parse annotation? A digital camera or a CE device which has richer GUI like a digital TV may annotate a photo. Then a printer queries to get a specific photo with annotation field then the printer parse the job ticket to print. Are photo meta data and print meta data ease to print?

Unclearness and redundancy

Many fields suitable for photo annotating are already stored in Exiff information when the printer handles JPEG. Or the Dublin Core is good candidate to be associated with photo data. However these existing standards and this new PWG activity will be redundant in photo annotating working area. Even if the PWG provides key words to specify photo characteristics, still members are doubtful whether or not this information is effective to be used in a micro job ticket style solution. As the perspective, *the significant feature required for CE printing is how fit is the idea to ease customer to print. In this point of view current proposal has unclearness. And the PWG micro job ticket style solution might be or might not be an answer to solve the problems.*

This must be caused by the initial requirements potentially have two separated issue; the first idea is how to find 10 photos from 10,000 files utilizing annotating, and second idea is how a print client specify print condition to the print target which is not connected to control device (e.g. a $49 inkjet printer only fitted with a memory slot).

PWG Scope compliance

Meta data annotating for photo picture is agreed to be needed from application point of view. However PWG scope does not include semantic web area. Print index functionality is also agreed to be needed for printing from a device which has tons of photos. But this area is almost covered with other standard (e.g. DPOF). As the result, current CE BOF idea looks mixture of two potential requirements those are not meeting the scope of the PWG.

The job ticket style solution may or may not be an answer for this case. In this situation member agreed not to process draft specification review and not to process charter review until unclearness will be solved.

The planned agenda is not fully coved by this reason.

Next Steps

Fumio presents three issues listed below on the PWG reflector and the reflector is opened to review and to discuss these items.

1) use case study (renew)
2) clear the focus for the CE BOF activity
3) re-chartering

New focus shall be compliant with scope of the PWG. Otherwise issue shall be sent to other activity.

Meeting closed on 11:30am