



Charter of the Consumer Electronics Device Printing Profile (CEPP) Working Group

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Abstract

The Printer Working Group (PWG) outlines the best practice to adopt standards for printing from various Consumer Electronics (CE) Devices. There are three categories of connection for a printer to a CE device.

1. Printer and CE device share the common memory media.
2. Printer and CE device are connected with peer to peer cabling.
3. Printer and CE device belong to a common network.

In all of these situations, PWG Semantic shall be commonly applied to specify printing model. Also the PWG defines three CE Print Profiles for each category of connection. These profiles ease the CE device to use the printer without knowing details of the specification of this particular printer or effort to develop particular printer driver.

Background

Consumer Electronics (CE) Devices potentially has requirements to print contents. Limited resource of hardware often restrains implementing full function of printing. Proprietary design for particular devices on a case by case may fatigues development effort and it may result insufficient support for printing for customer.

Many printing standards related with CE Devices are developed outside of the Printer Working Group. However, still there exists missing pieces.

Goal

The PWG CE Profile eases consumer electronics manufacturers to develop products to support printing capability without knowing processing detail of printers. Also the PWG CE Profile eases printer developers and printer software developer to provide CE compliance printer application with common framework. As the result, the PWG CE Profile gives the customer new area for fun to print.

Assumption and Requirements

1. CE Device does not have the Printer Data Base (e.g. UPDF) for a particular printer. How and where does the CE Device ask to find the Printer Data Base?
2. CE Devices does not provide printer drivers to cover various printers. Can the CE Device provide driver architecture or can the printer print contents without printer driver? To do this, shall CE Devices have common data format like JPEG or XHTML?
3. CE Devices are designed by proprietary architecture. This means there is no common installing application, when the printer connected to the CE device. If any disks or memory media provide the printer data base for the particular printer, shall the data base be UPDF? This data base and installing information shall be stored in specified directory which are defined by the PWG CE Print Profile or the Print Transport shall have capability to exchange a printer data base (e.g. UPDF) between a printer and a CE device.
4. CE Devices have no common printing process or printing model. The Print Transport shall use common printing model defined by the PWG Semantic.
5. **MPV Assumption: Disks or Memory media which are designed to build printing process for the CE device shall provide the printer data base on the specific directory defined by the PWG CE Print Profile.**

6. UPnP Assumption: The UPnP Print 1.x is expected to cover CE print requirements. Shall it refer the PWG Semantics? Shall it provide UPDF exchange capability?
7. DPOF Assumption: The DPOF is not providing layout information. Shall the CE Print Profile define contents format such as XHTML Print?

Milestones

Charter Stage		
	Charter Discussion & Approval	May 2004
	Brain Storming for use case	May 2004
	Initial Requirements Statement	Mail List & Tel-conference
	Requirements Approval	August 2004
Definition Stage		
	Initial Profile Proposal	October 2004
	Working Draft	November 2004
	Candidate Standard	January 2005
Implementation Stage		
	Not expected	T.B.D.
		T.B.D.