

Do you print?

You need photos...

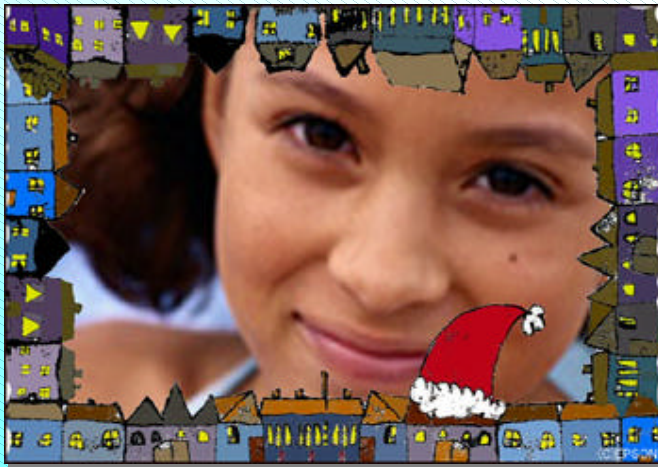
Printer Attributes

- **Always requires hardworking to print**

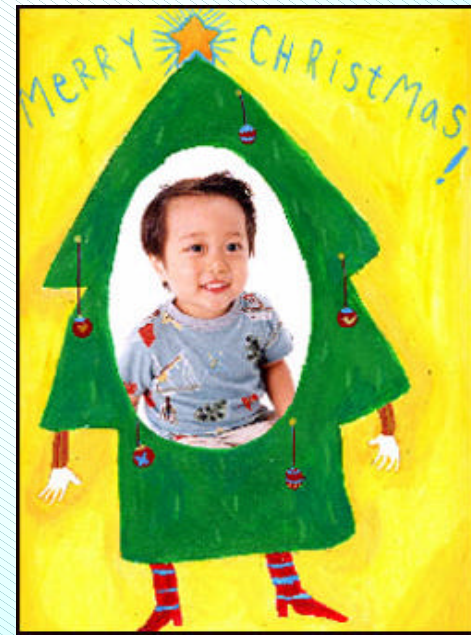


Templates Integration

- **Print Templates**
 - **xHTML-Print data to generate photo cards**
 - **Photo Asset associated with a template**



examples



MPV Print Profile

OSTA Seminar

2005.10.12

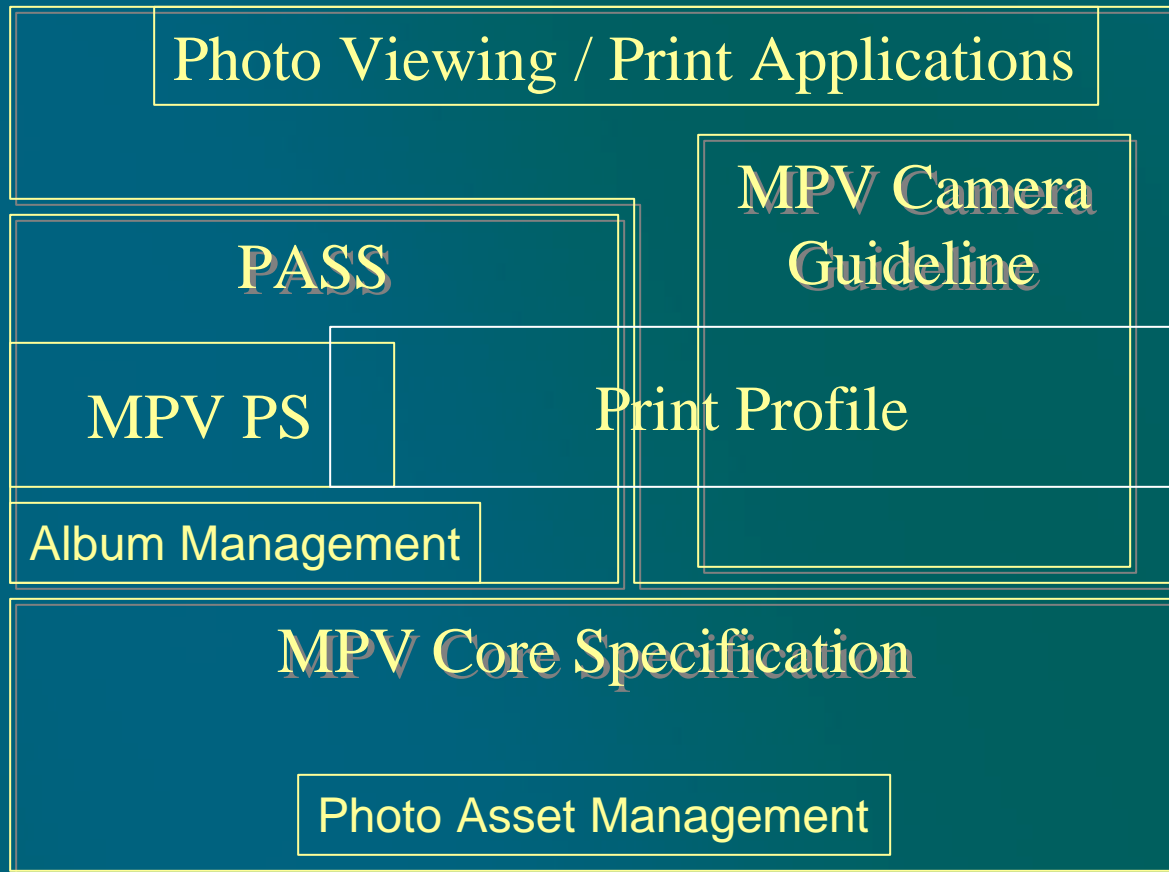
Scope of profile specification

- **Wish list**
 - pointer to the source picture
 - pointer to the printing template
 - Clipping Regions or other idea?
 - printing attributes
 - Print contents format
- **Out of scope list**
 - Transports
 - Discovery

Design Feature of Print Profile

- **Standardized Print Job Description**
 - **xHTML-Print**
- **Print Template facility**
- **Common method to get printer attributes**
 - **Both for fully en-capsule or connected models**

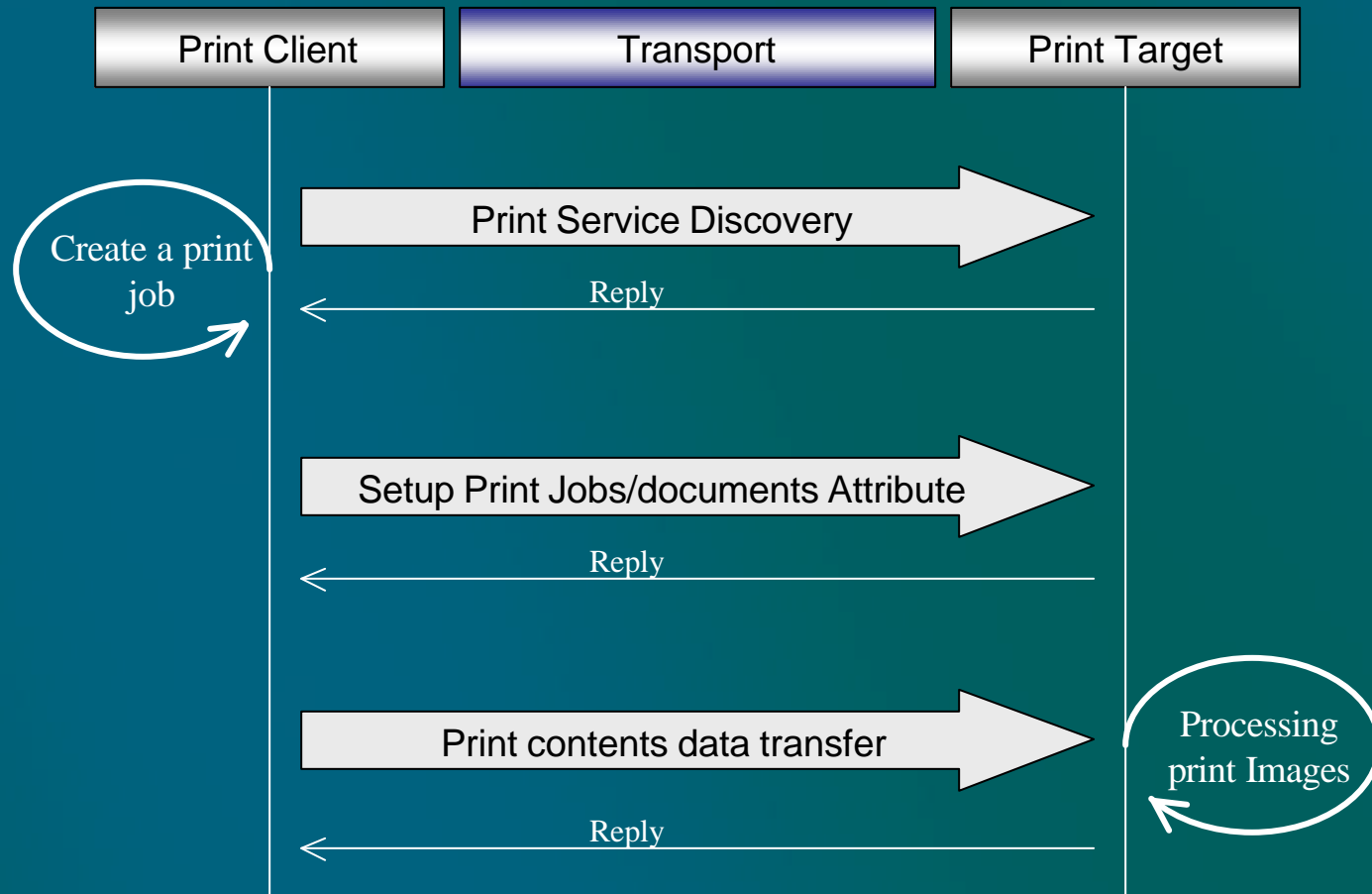
Each Profile Coverage



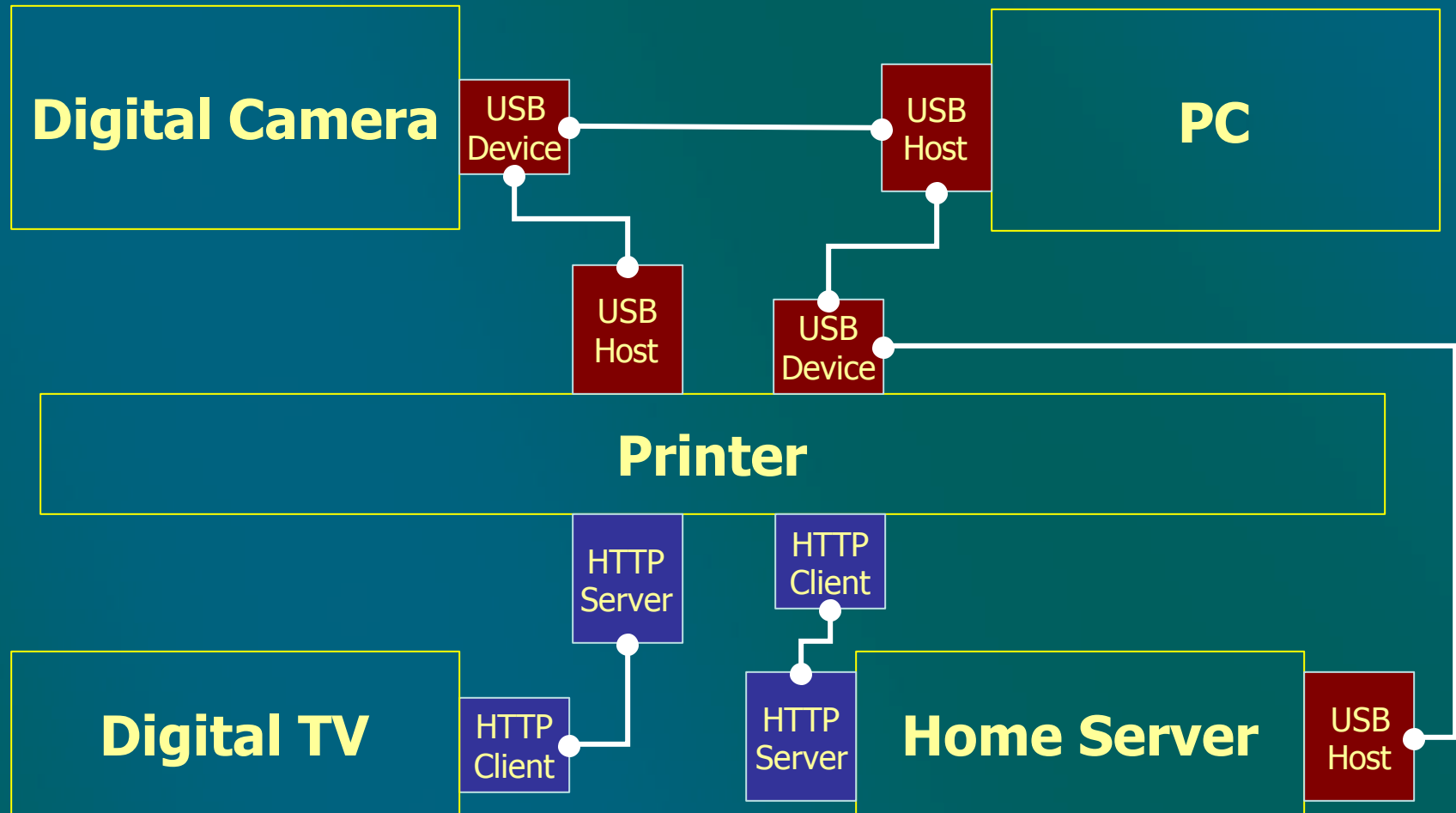
Print Profile WG

- **Chair**
 - **Fumio Nagasaka, Epson**
- **Vice chair**
 - **Gerrie Shults, HP**
- **Secretary**
 - **Tak Shiozaki, Epson**
- **Technical Editor**
 - **Weili Tang, Epson**

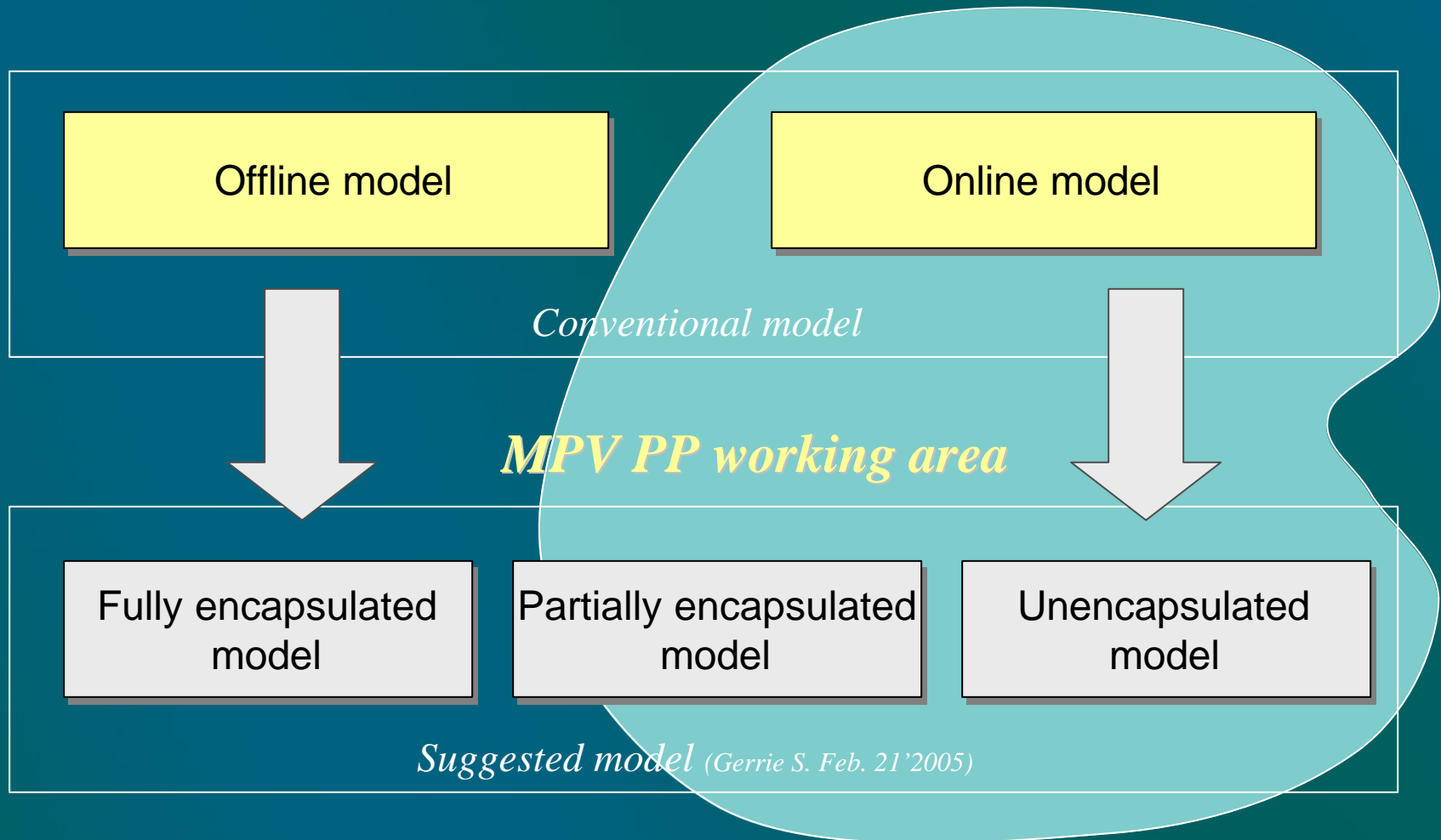
Typical printing workflow



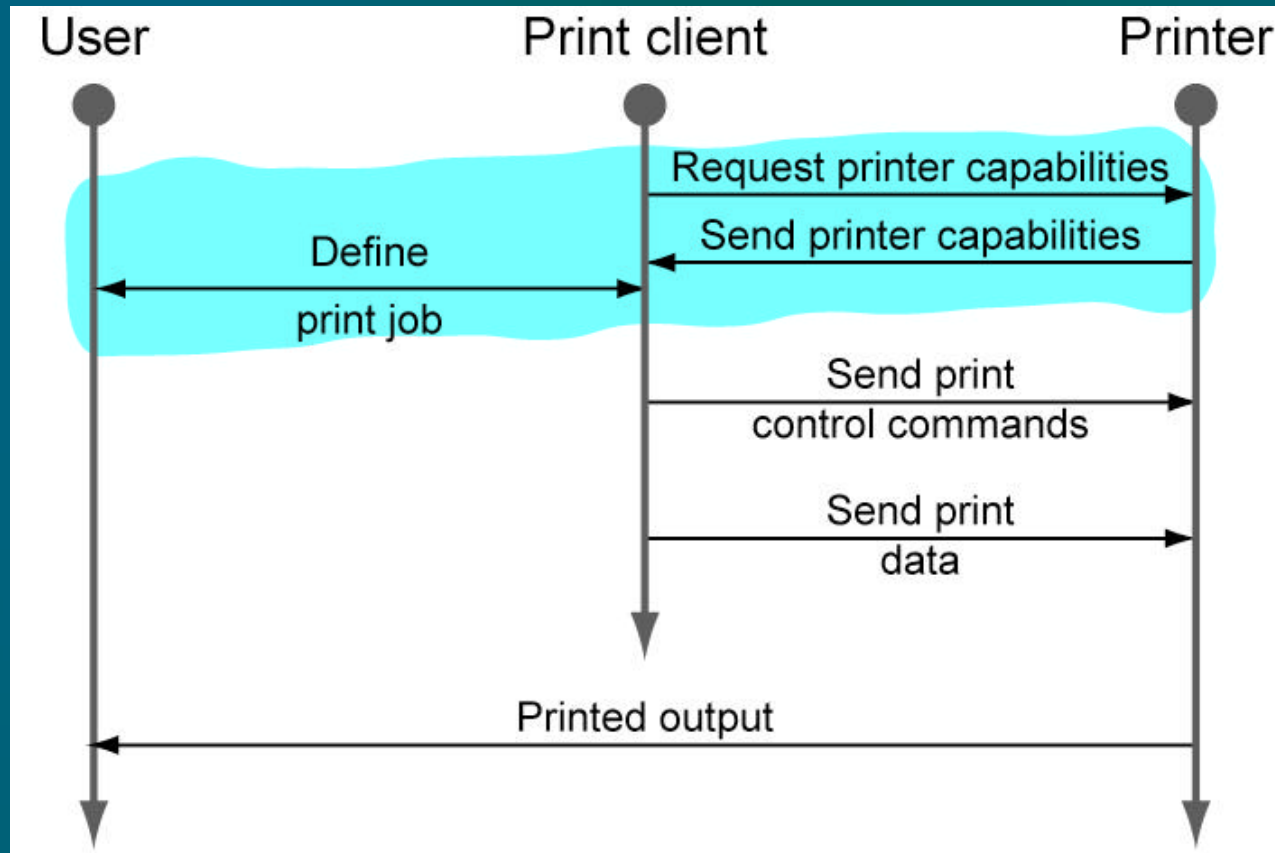
Connectivity Diagram



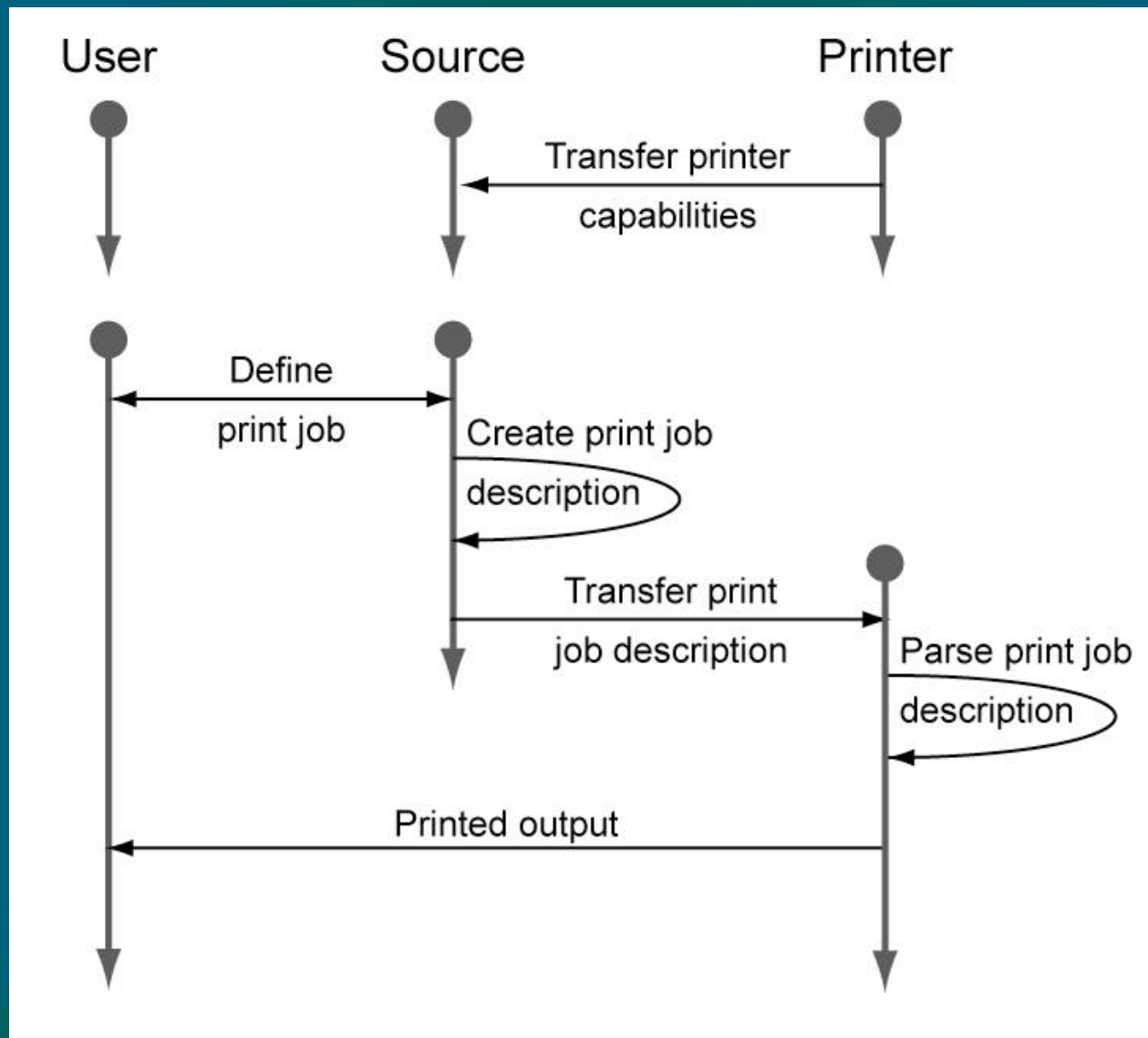
Two models of application



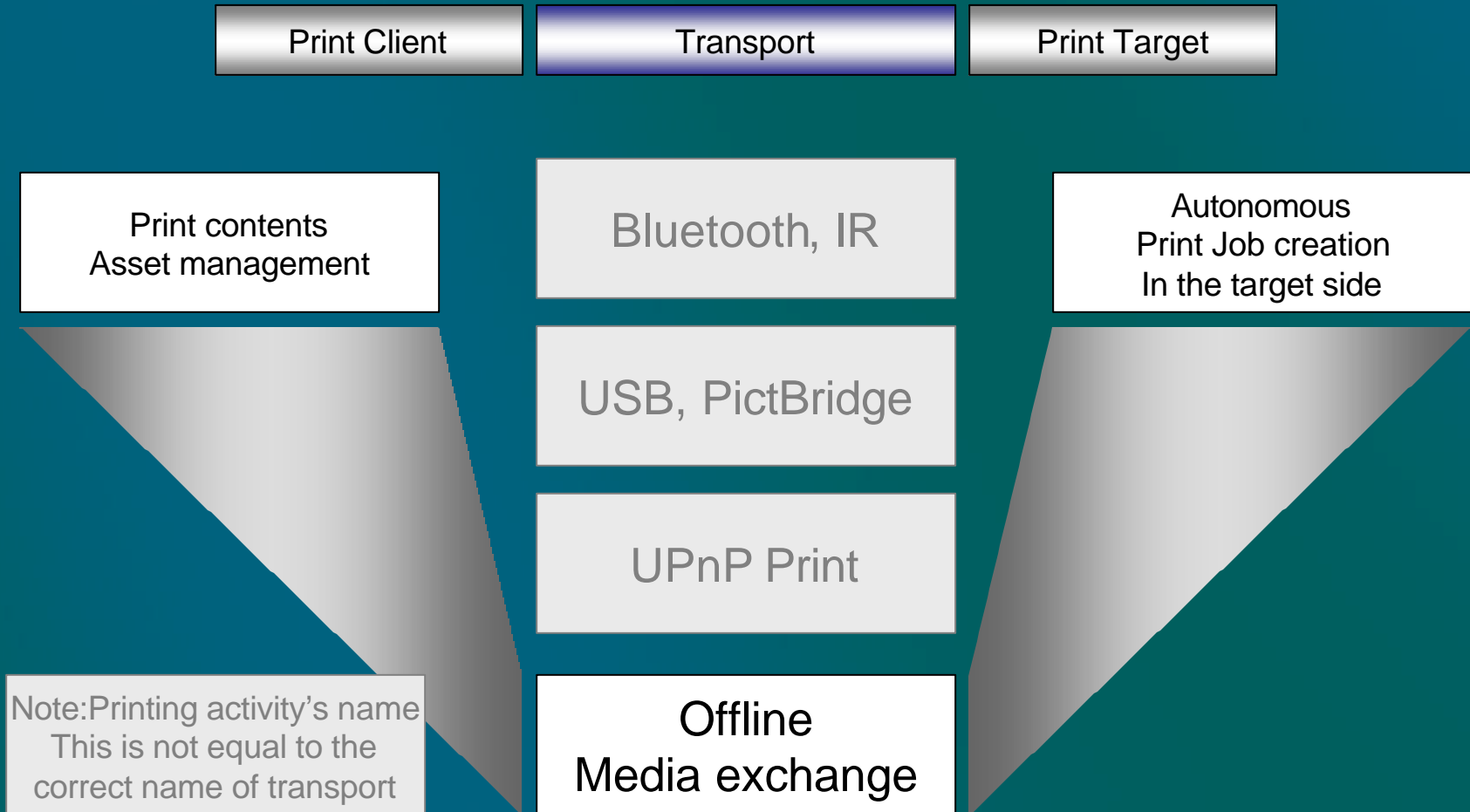
Conventional Online Model



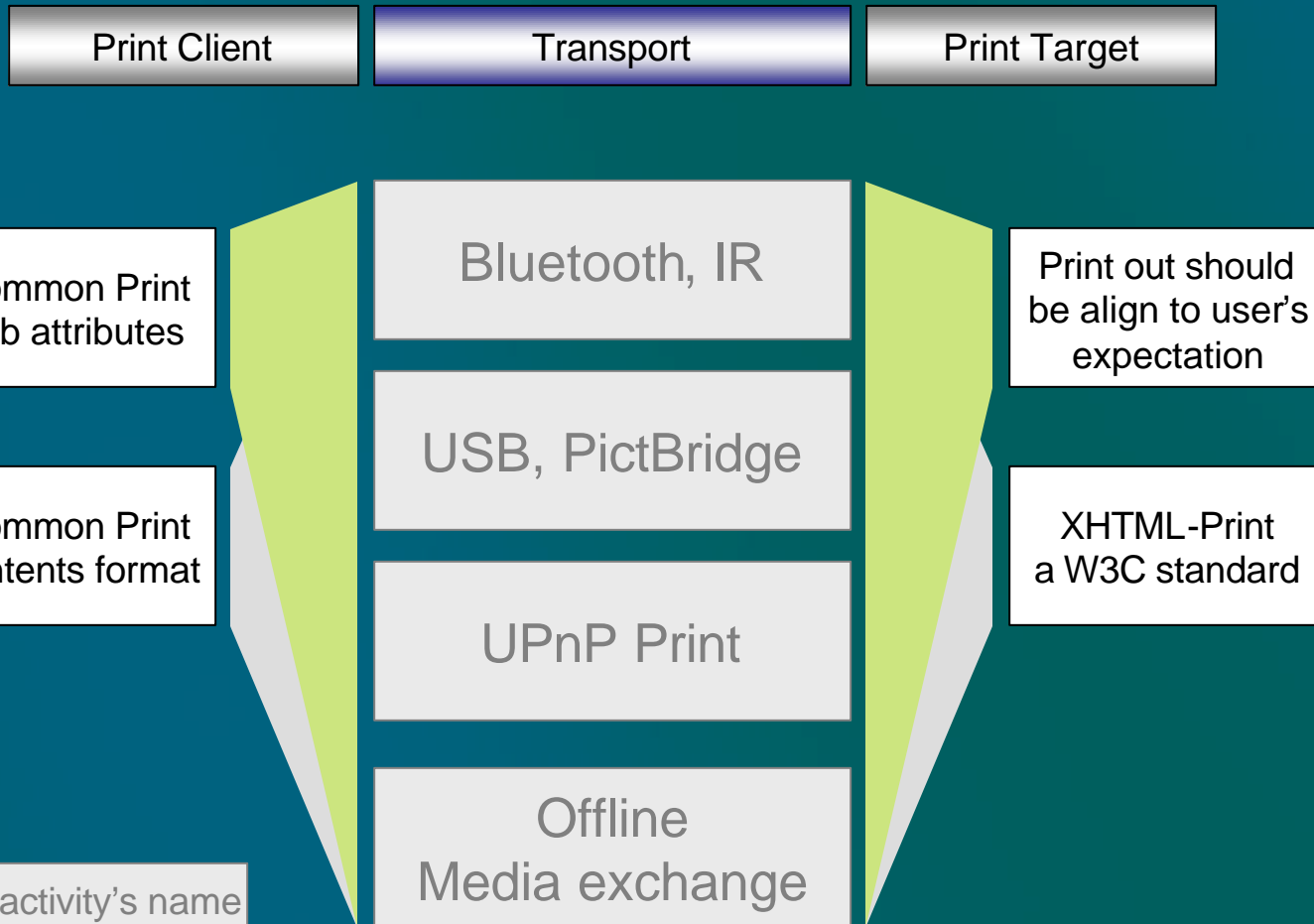
Offline Model



Working area of print profile

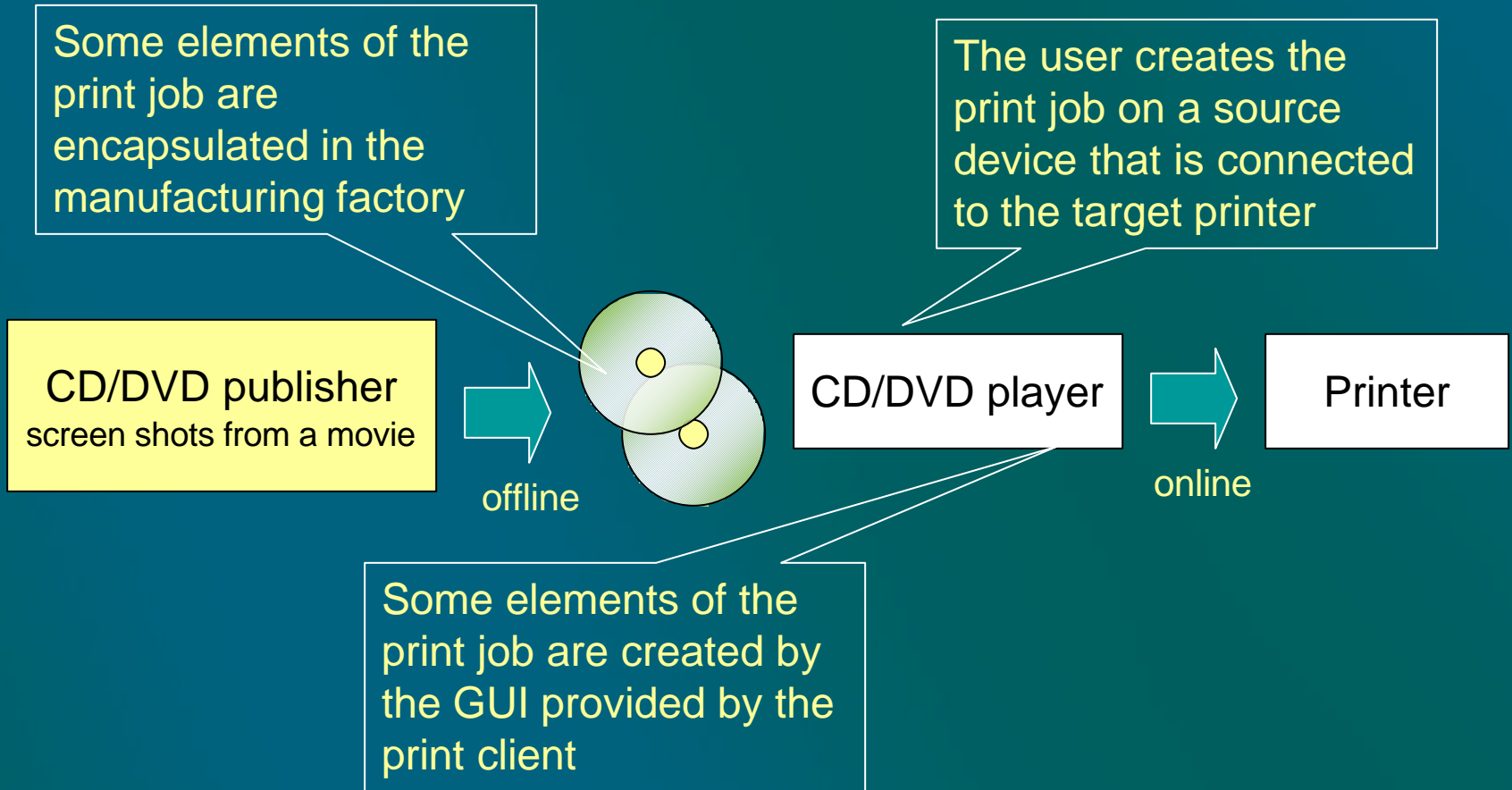


Consistency with other standards

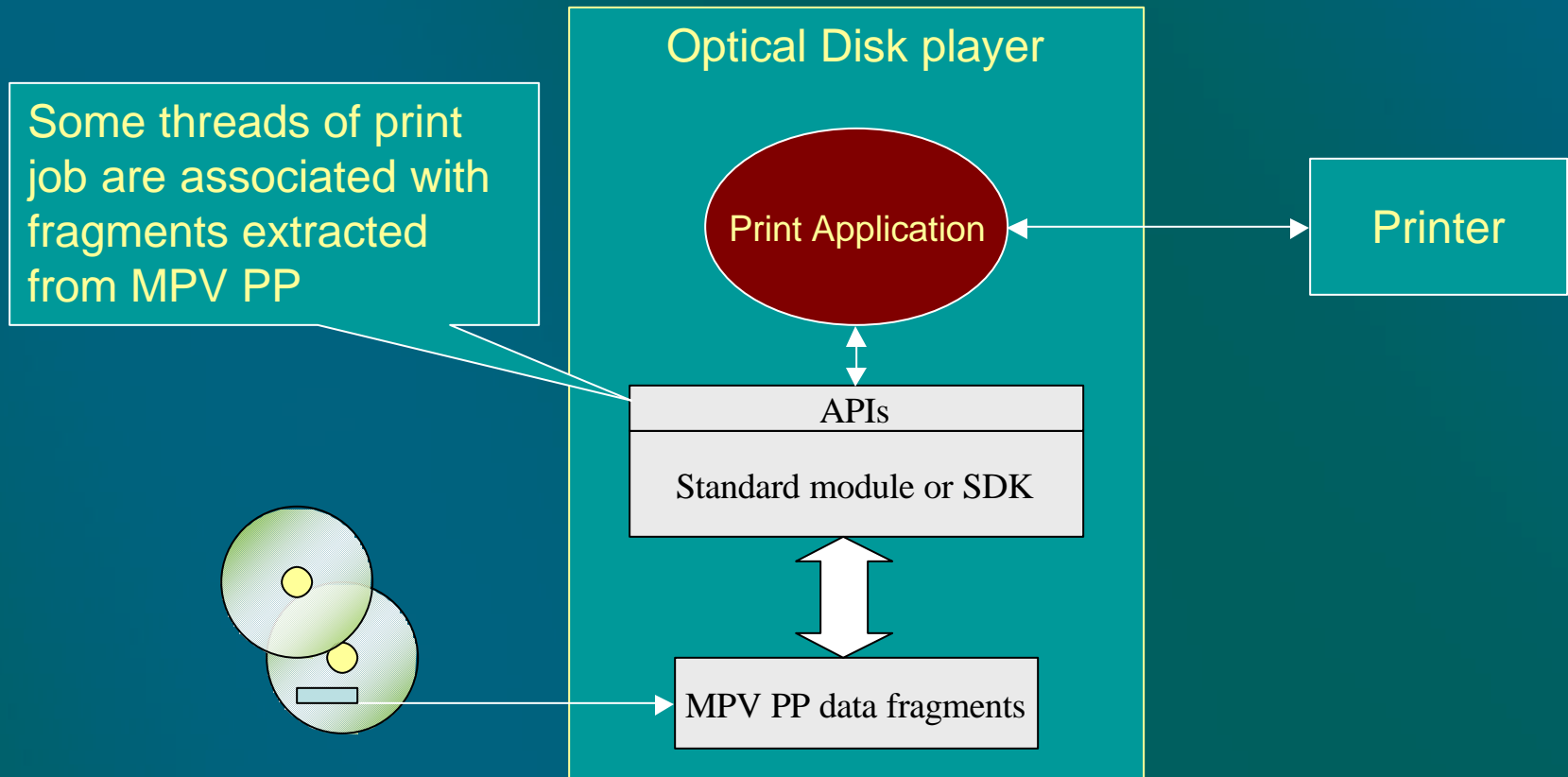


Note: Printing activity's name
This is not equal to the
correct name of transport

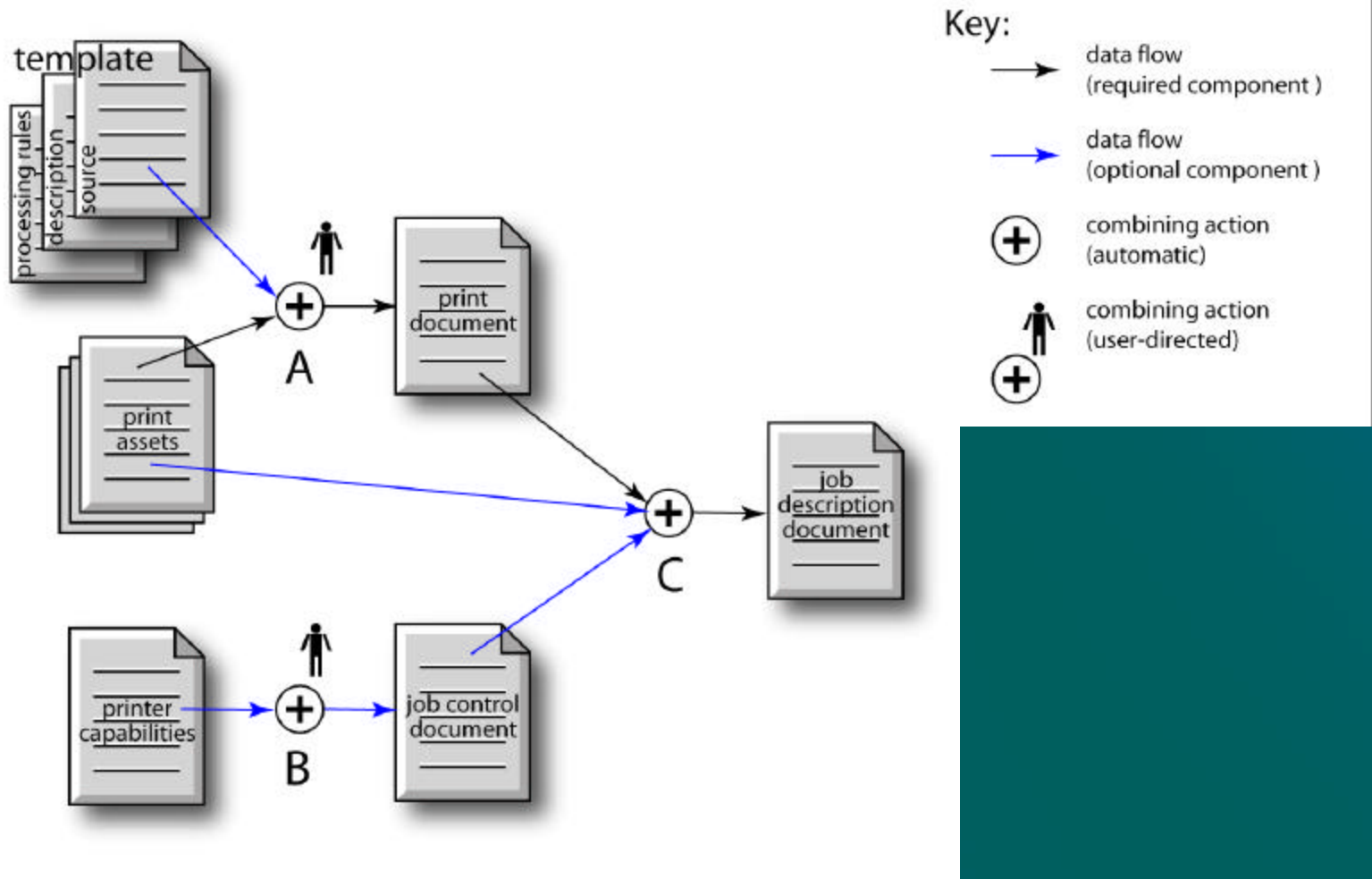
Partially Encapsulated model example



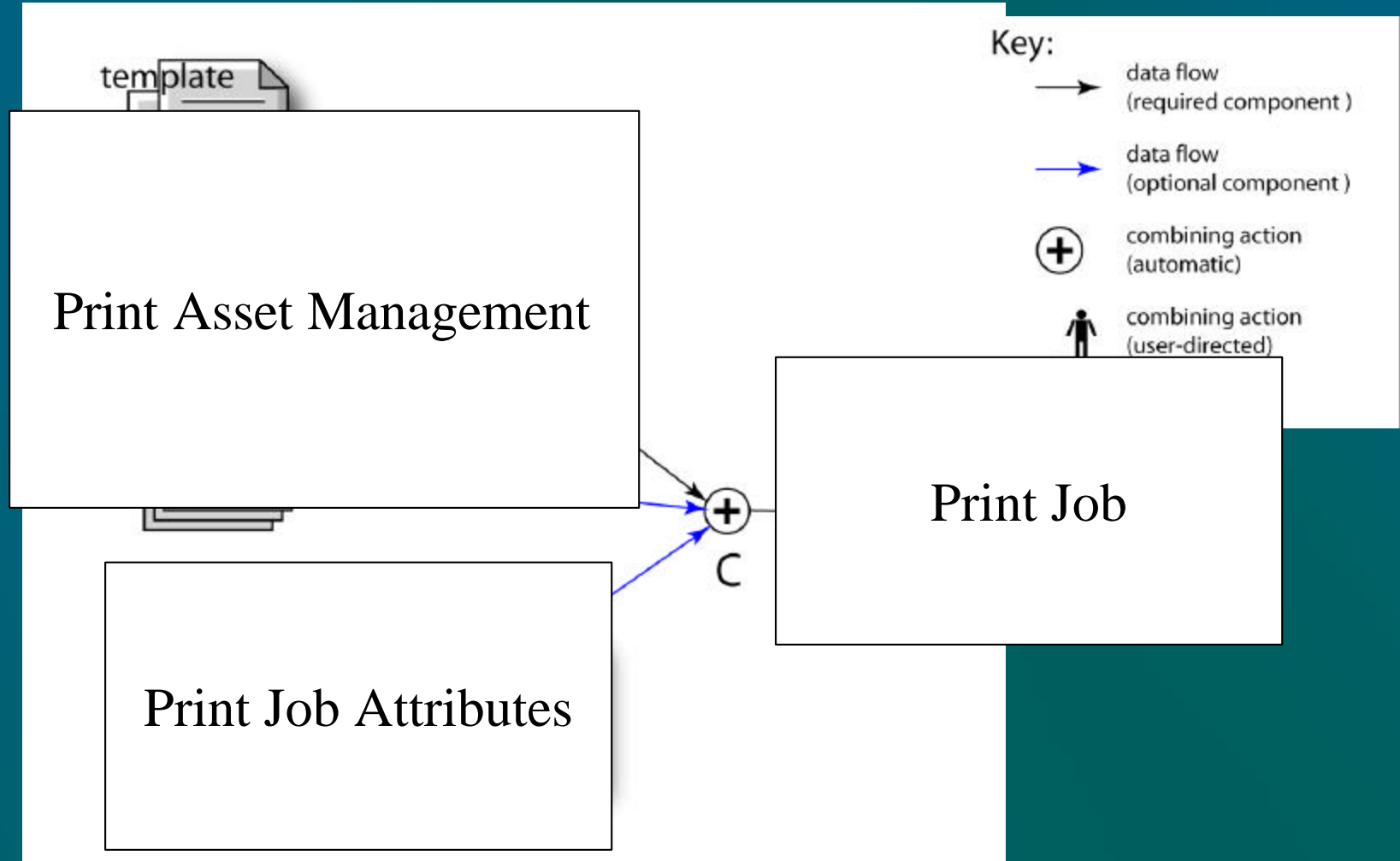
Partially Encapsulated model example



Print Profile Components

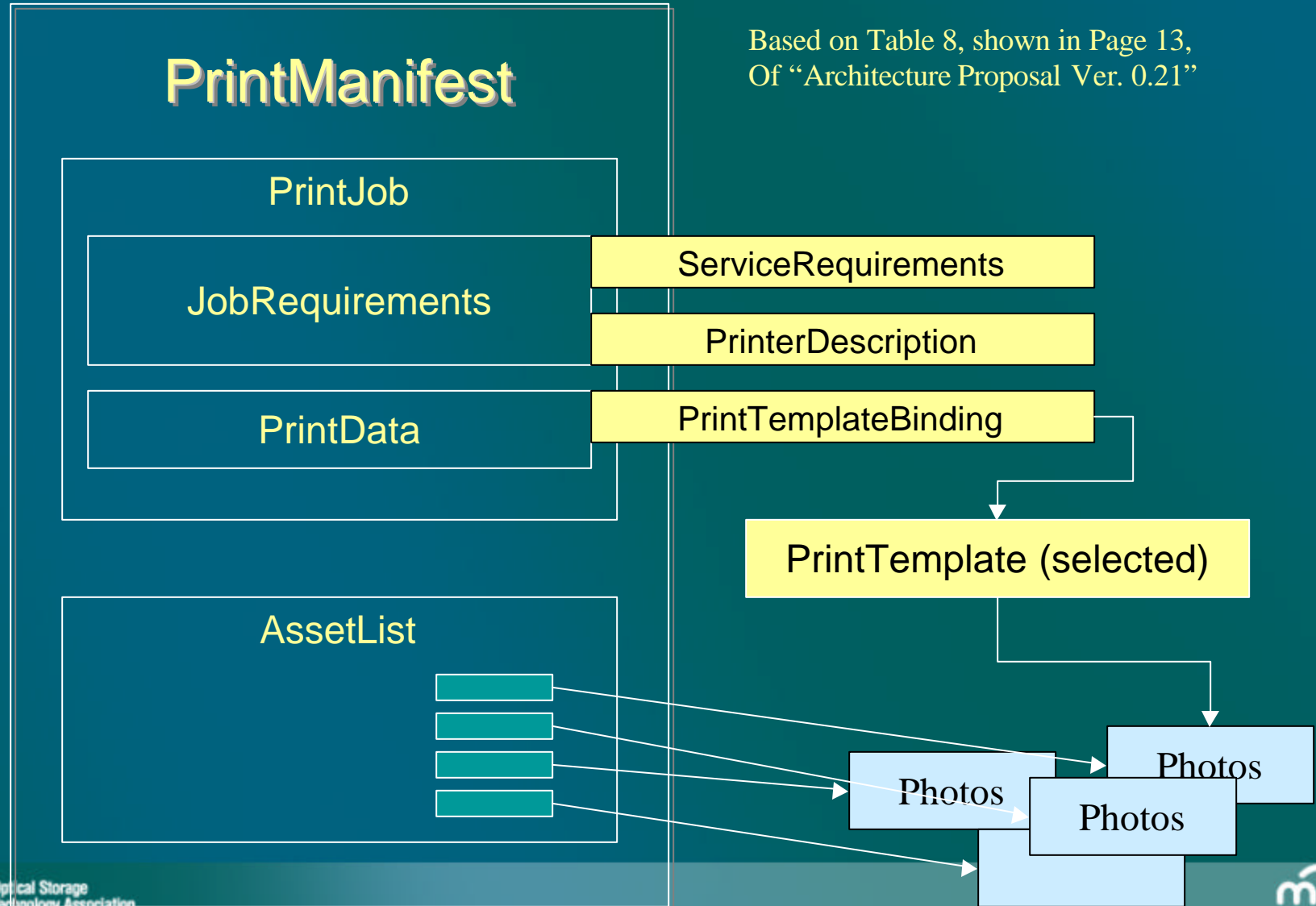


Print Profile Components



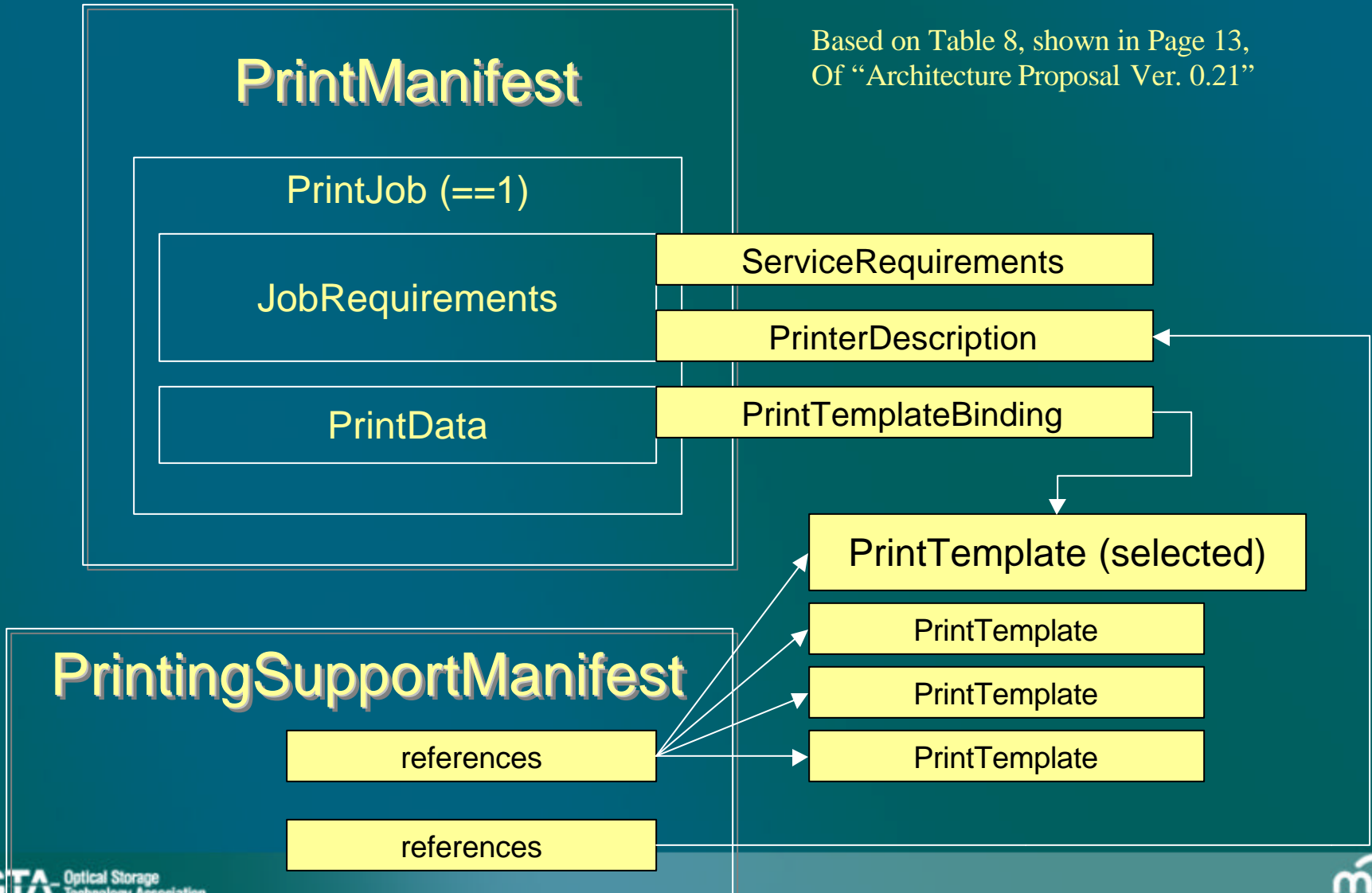
Print Profile Components

Based on Table 8, shown in Page 13,
Of “Architecture Proposal Ver. 0.21”



Print Profile Components

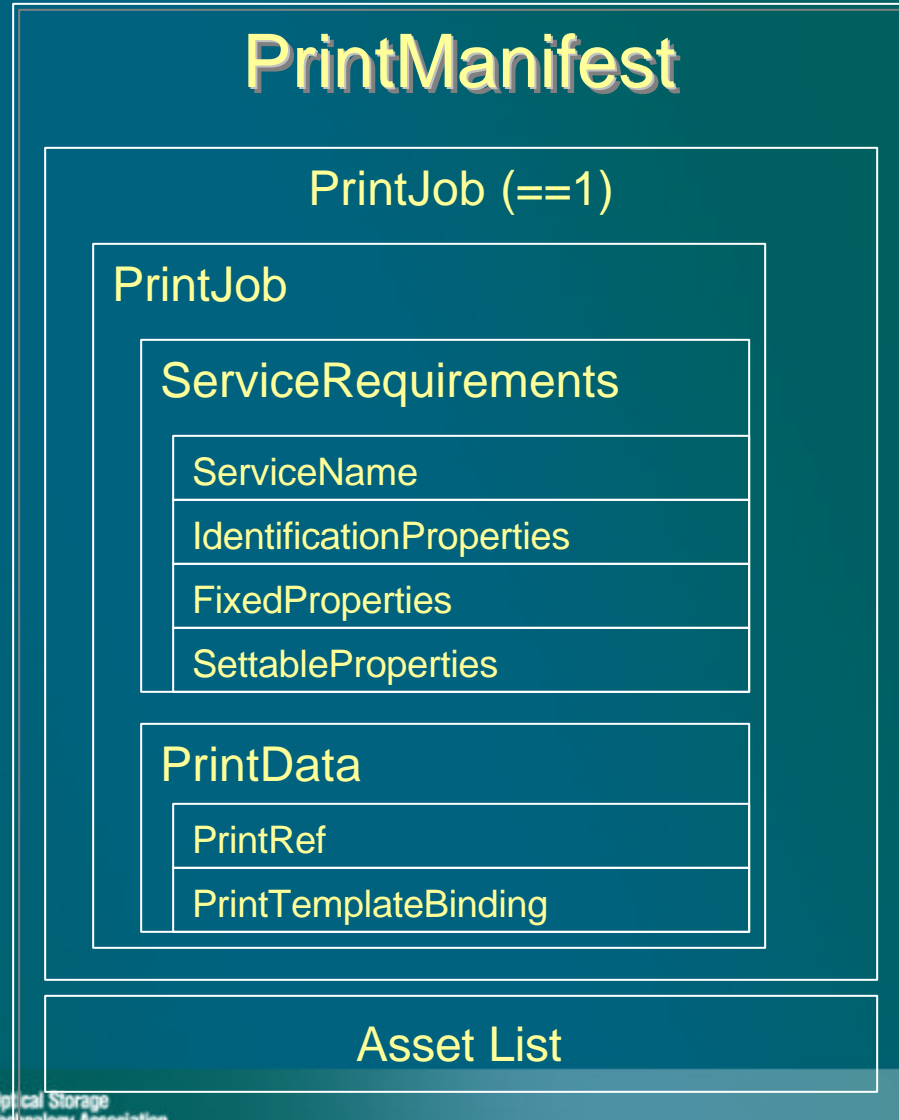
Based on Table 8, shown in Page 13,
Of “Architecture Proposal Ver. 0.21”



PrintSupportManifest

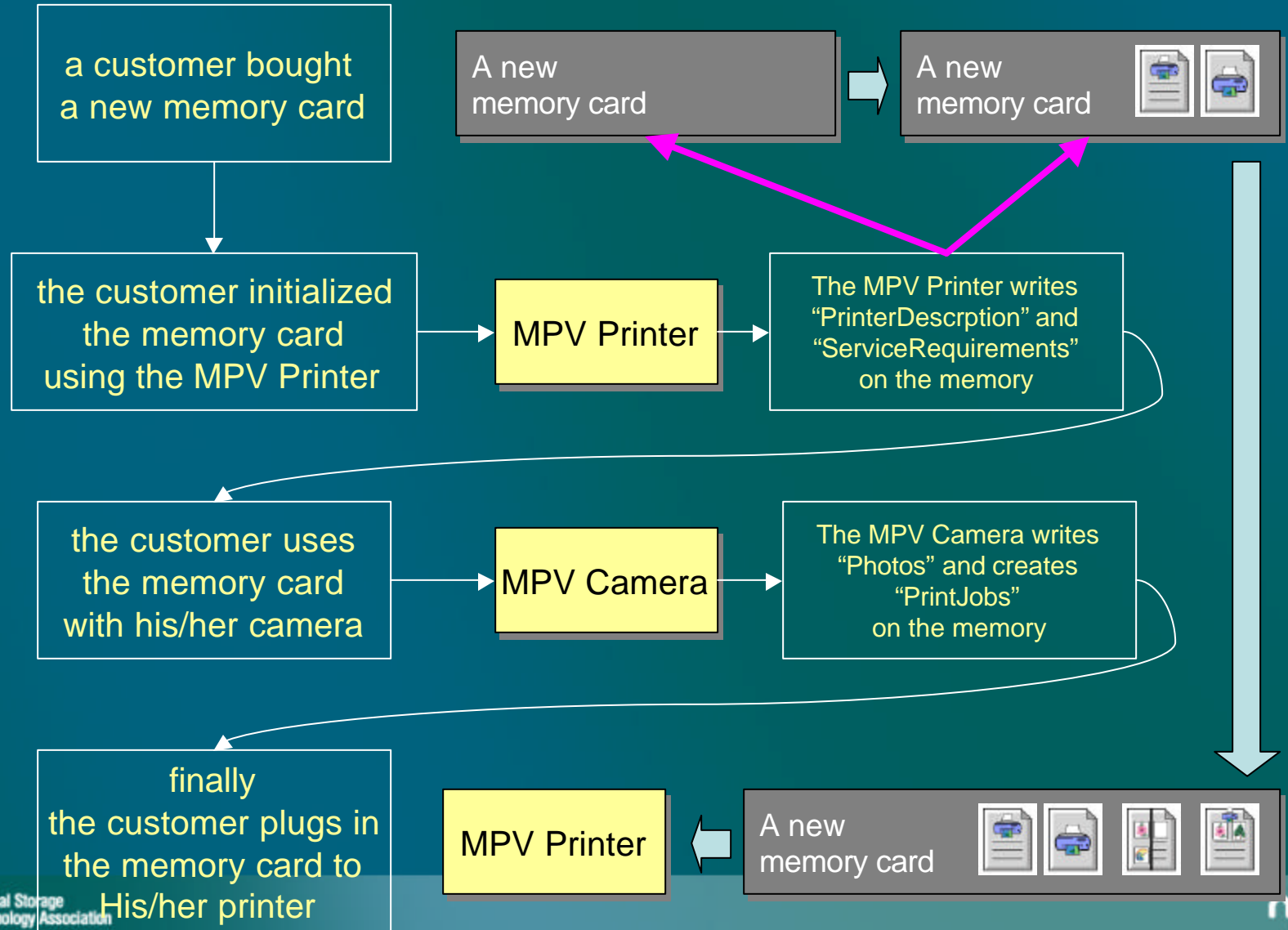
Object Type		Proposed Implementation	Description
PrintingSupportManifest		MPV manifest	See “Managing Template and PrinterDescription objects”.
	mpv:AssetList	XML element	Occurs zero or one times (manifest could be empty).
	PrintTemplateRef	XML element	Occurs zero or more times—once for each PrintTemplate known to the device.
	PrinterDescriptionRef	XML element	Occurs zero or more times—once for each PrinterDescription document held locally.
	PrintManifestRef	XML element	Occurs zero or more times—optionally, once for each print job held locally.

PrintManifest

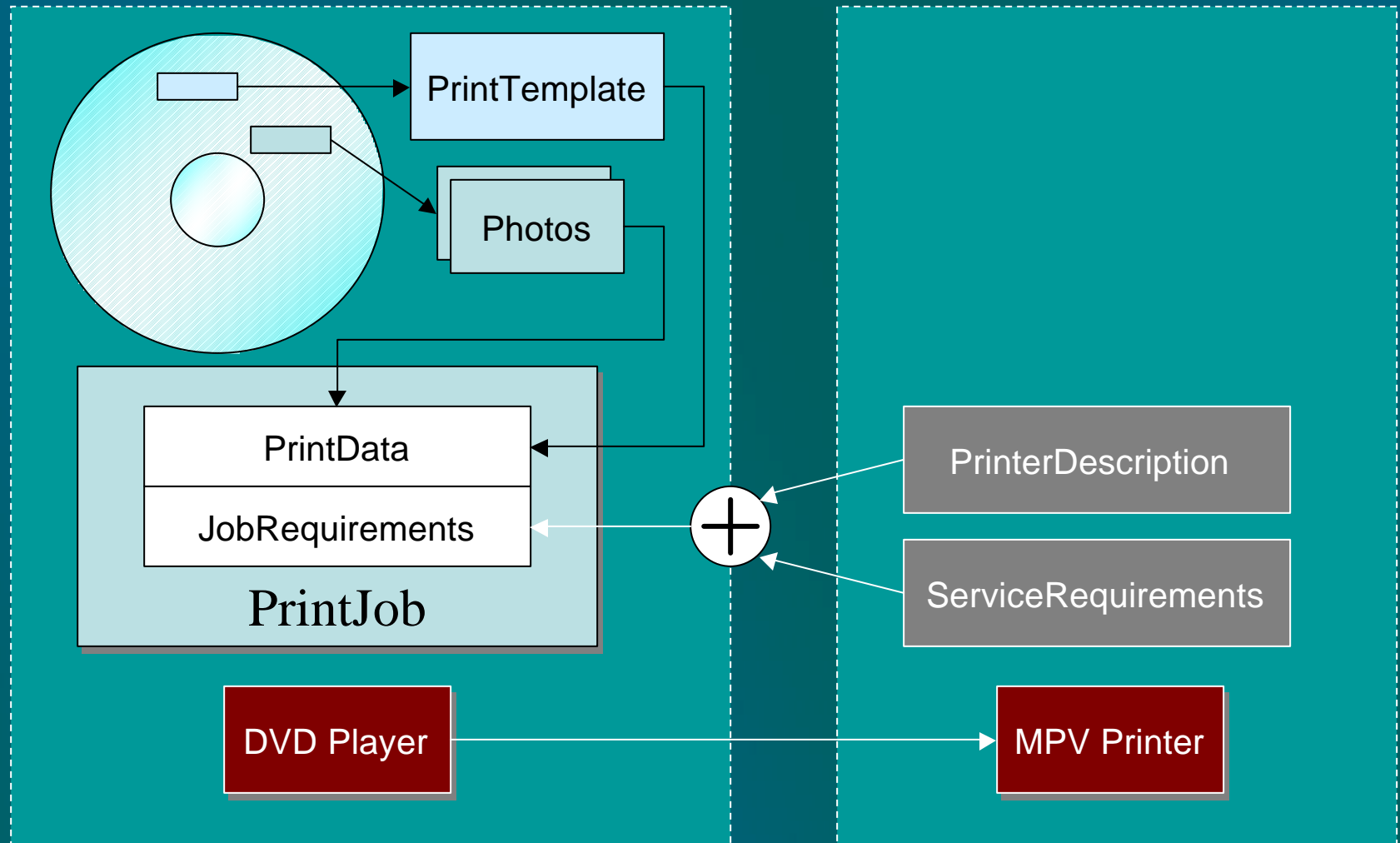


Based on Table 2, shown in Page 7,
Of “Architecture Proposal Ver. 0.21”

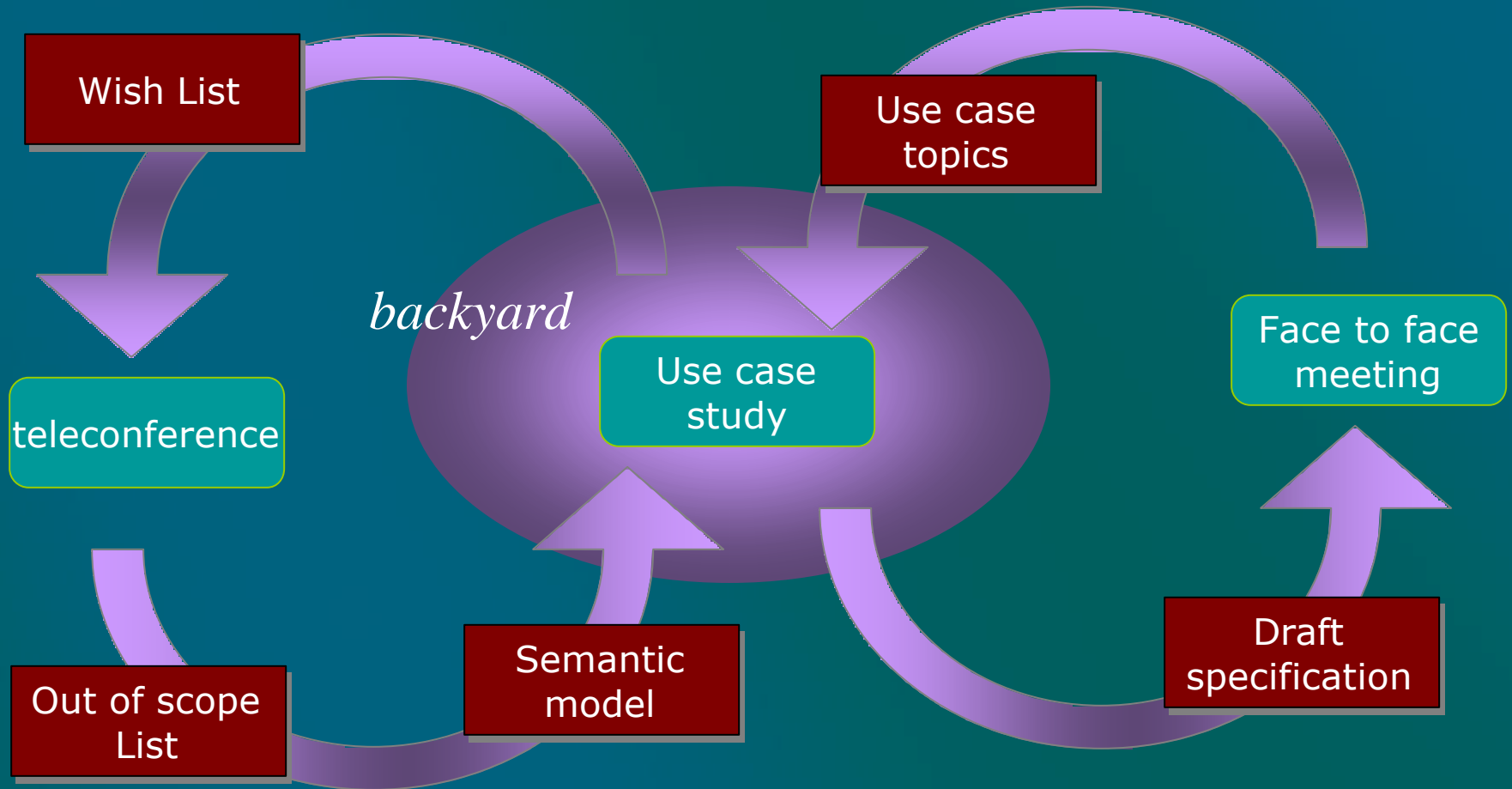
*Assumption of a user's offline operations,
once she/he got a new memory card*



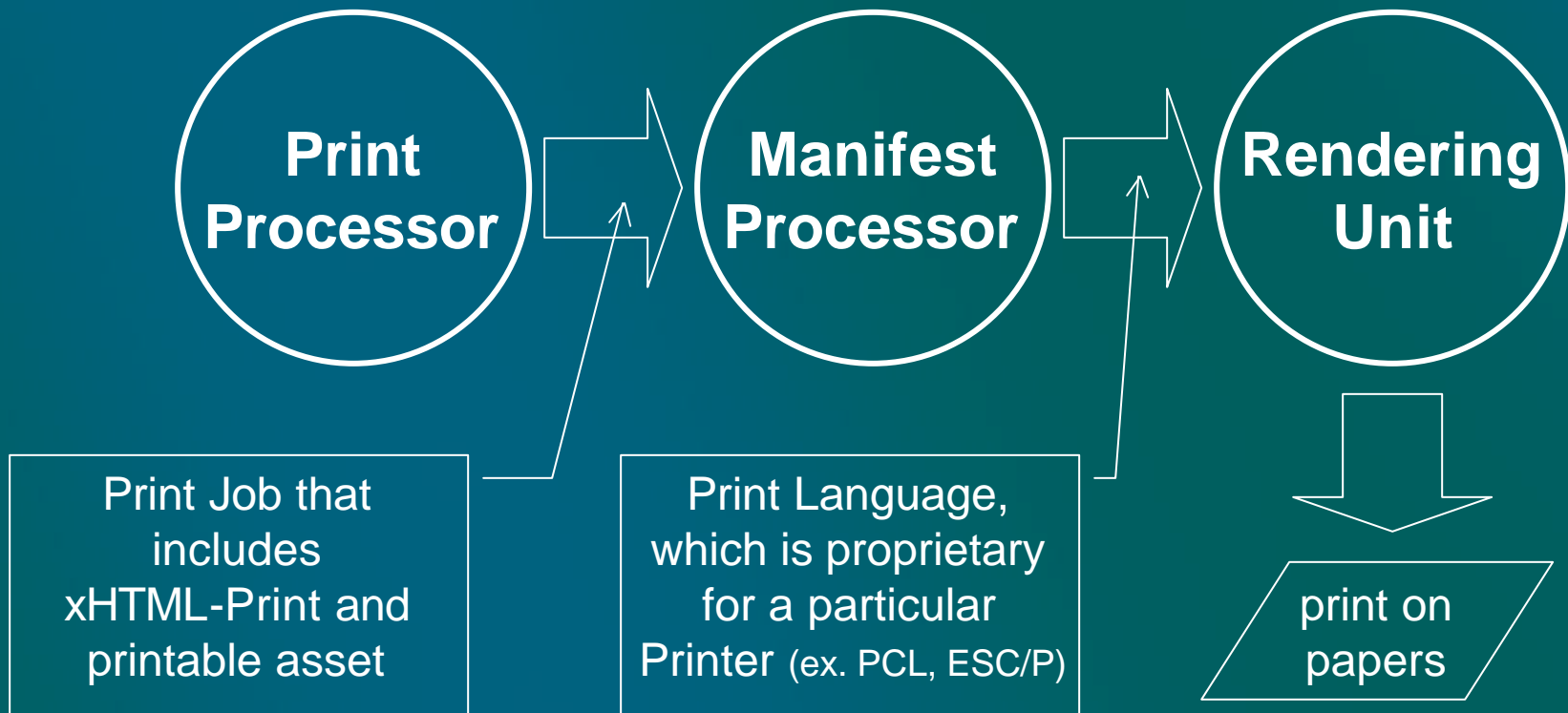
Assumption of a user's online operations, from DVD player



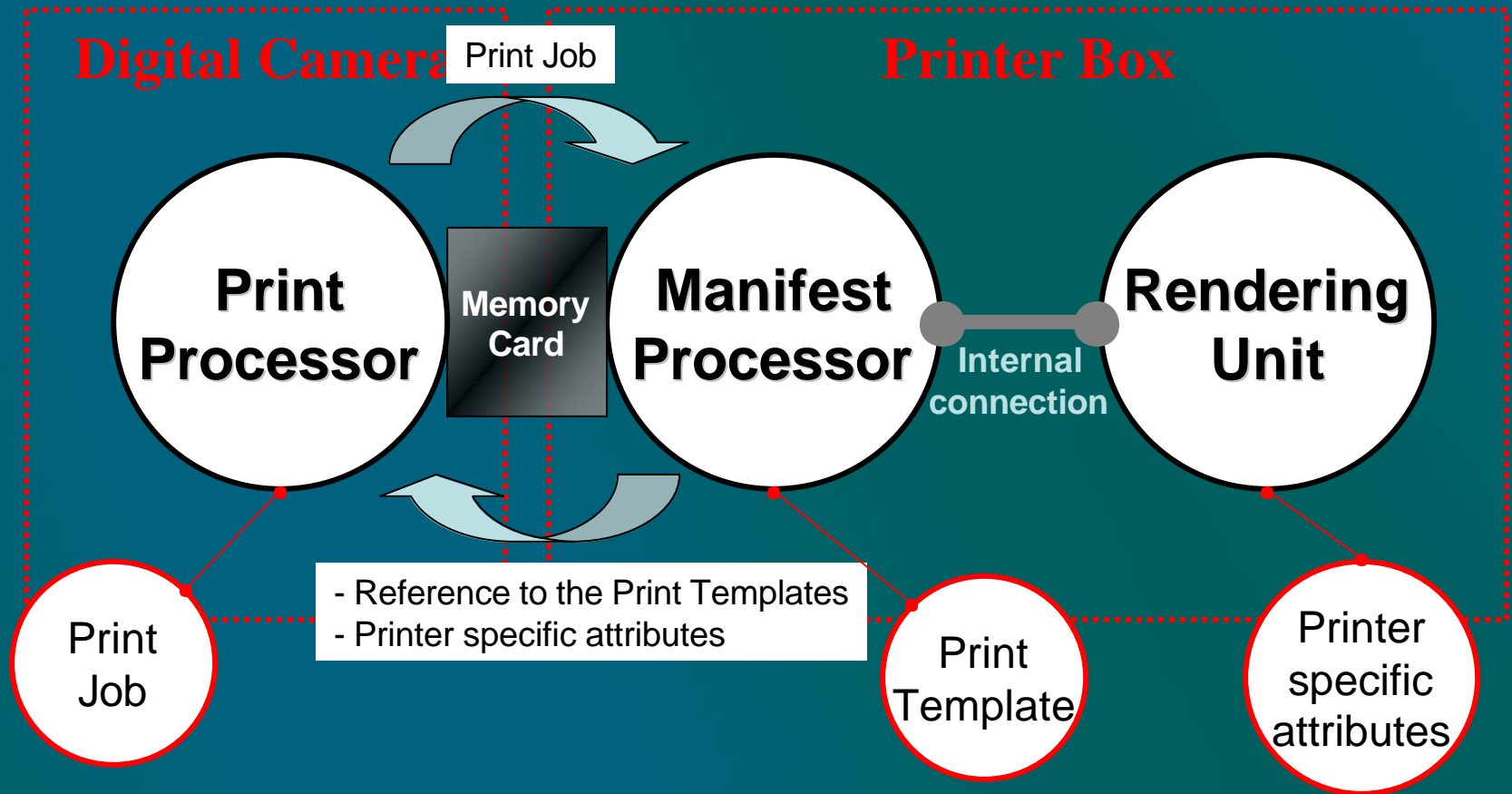
PPWG Development chain



Semantic Model of MPV PP

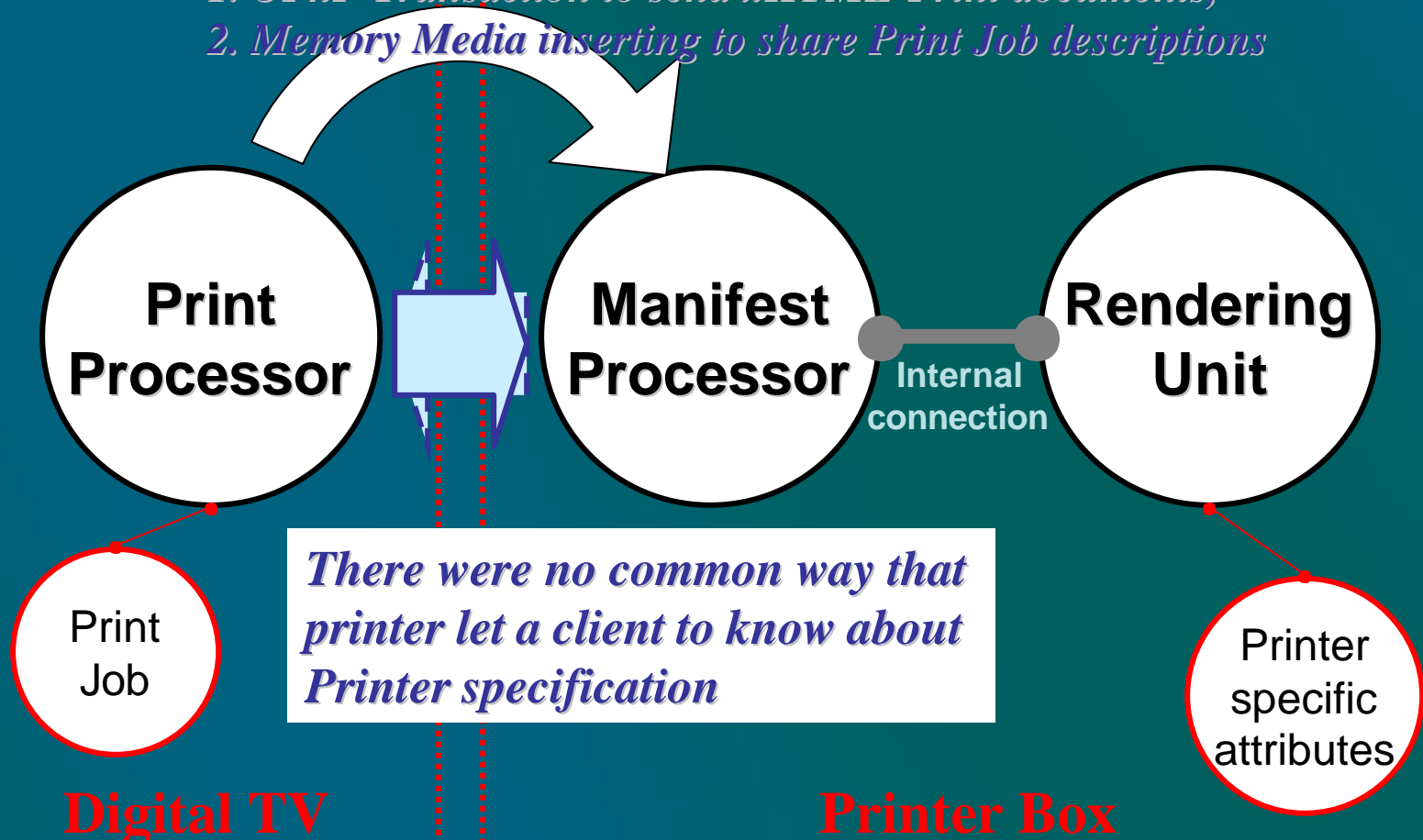


Assumed use model - A

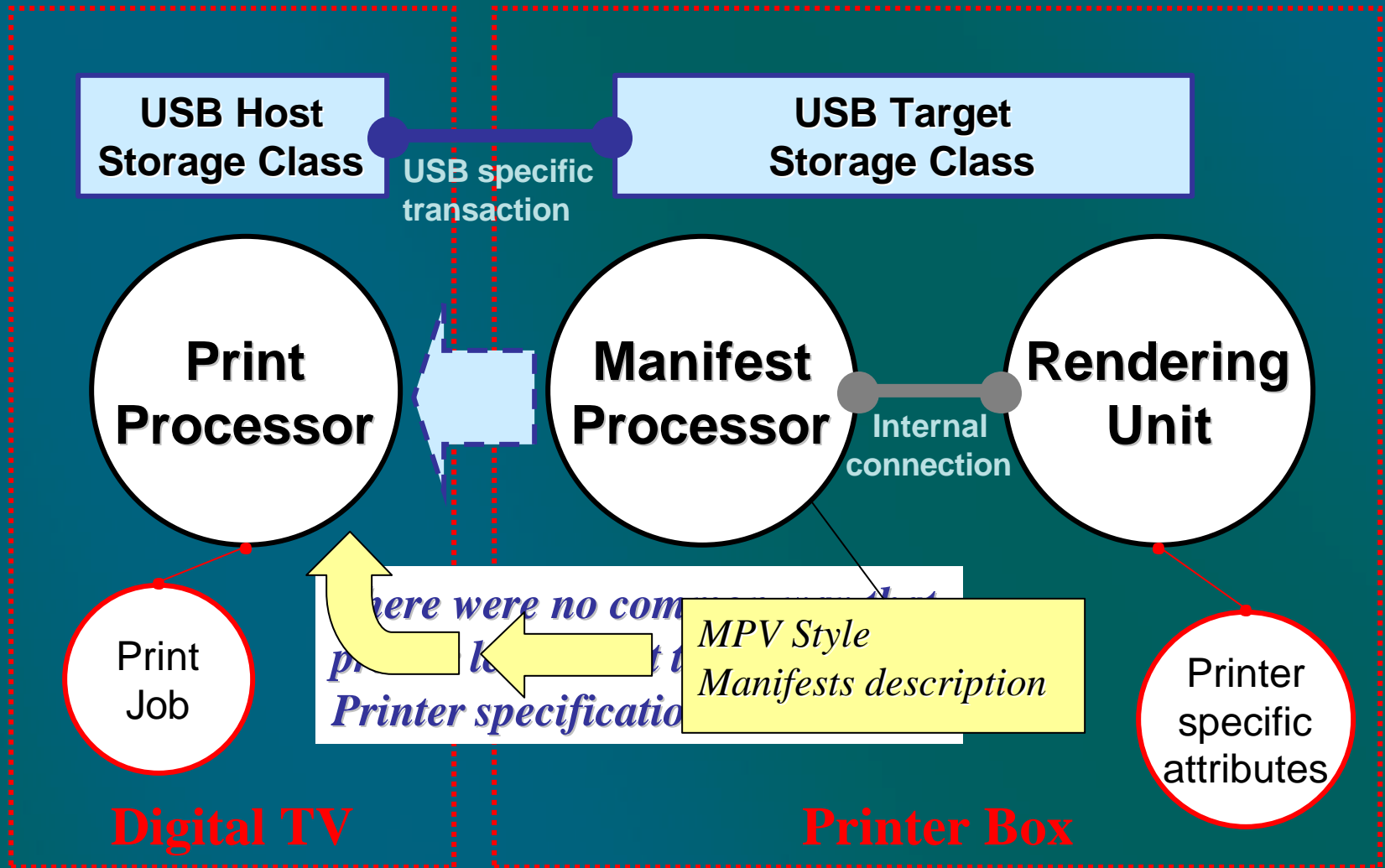


Assumed use model - B

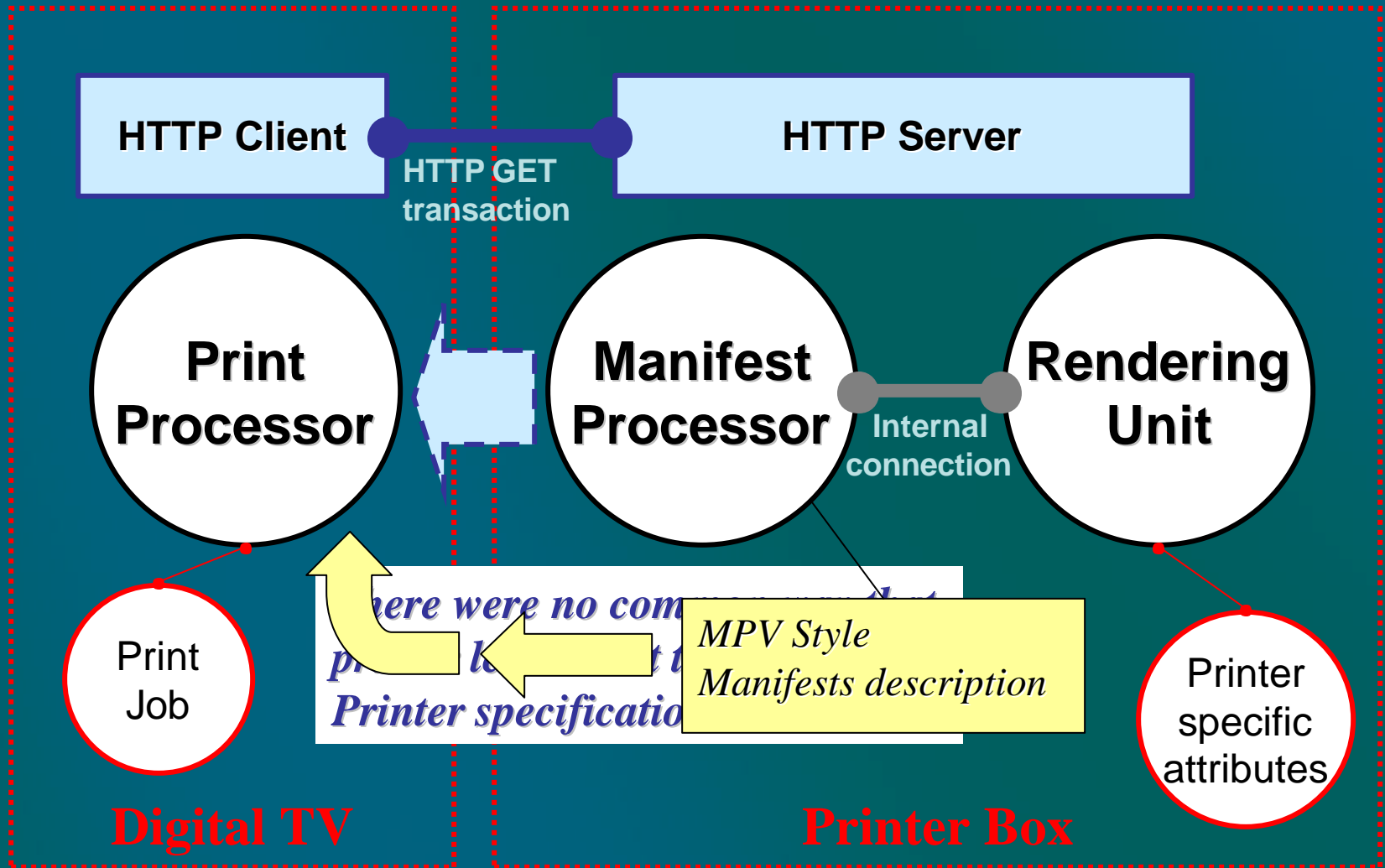
1. UPnP Transaction to send xHTML-Print documents,
2. Memory Media inserting to share Print Job descriptions



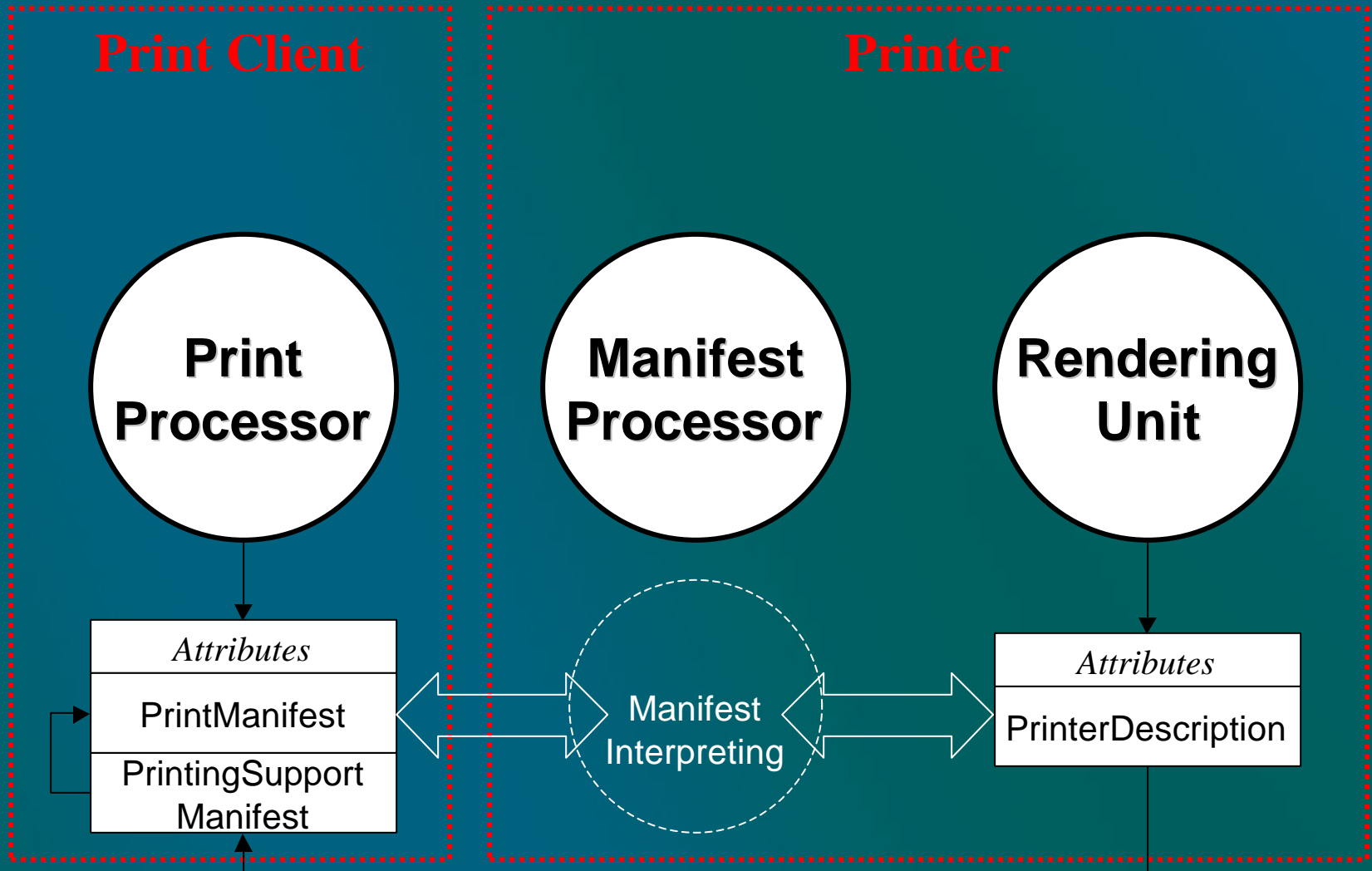
USB Storage Class Mapping



HTTP Transport Mapping



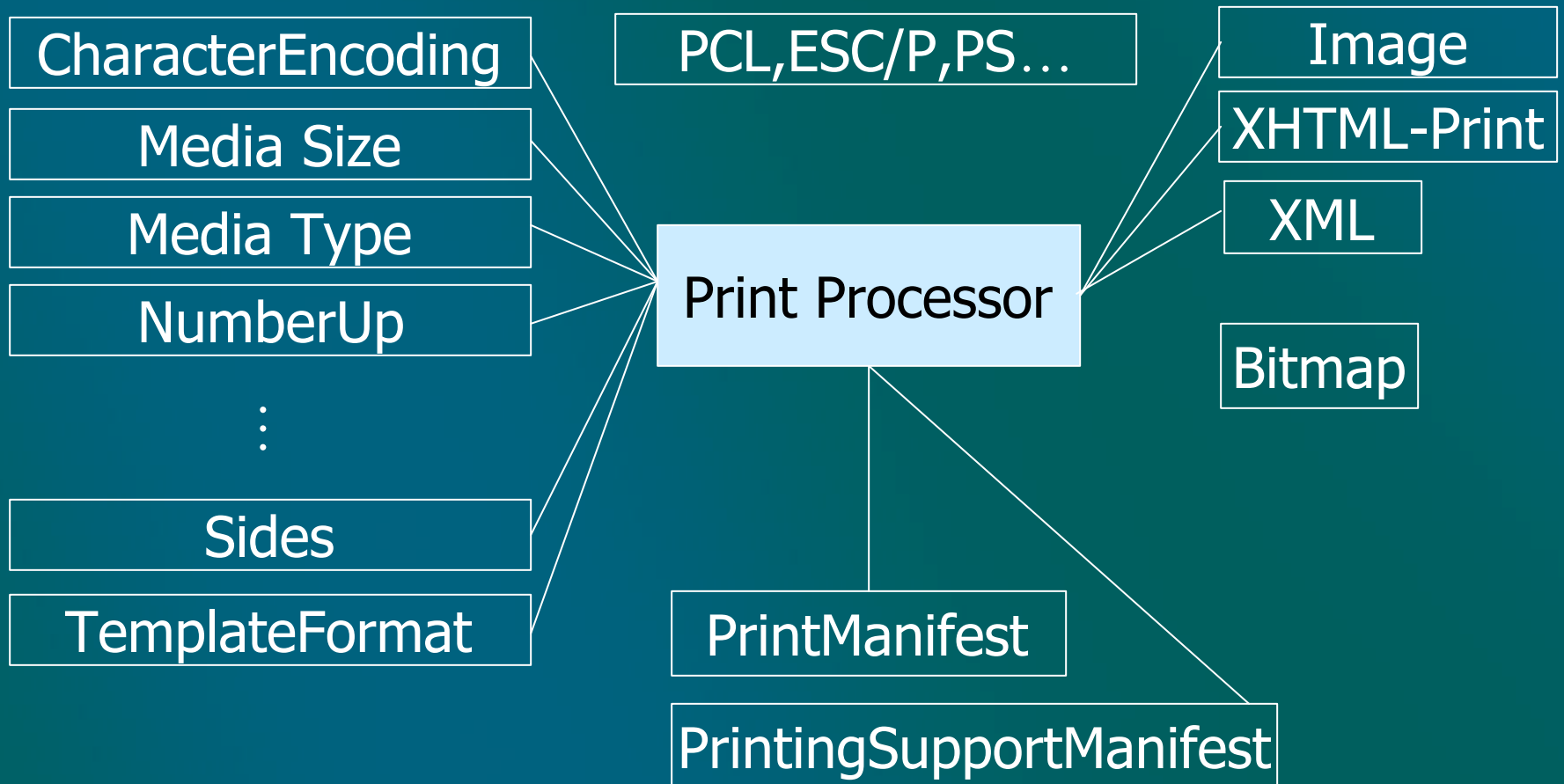
Attributes mapping



Print Processor SM

— association

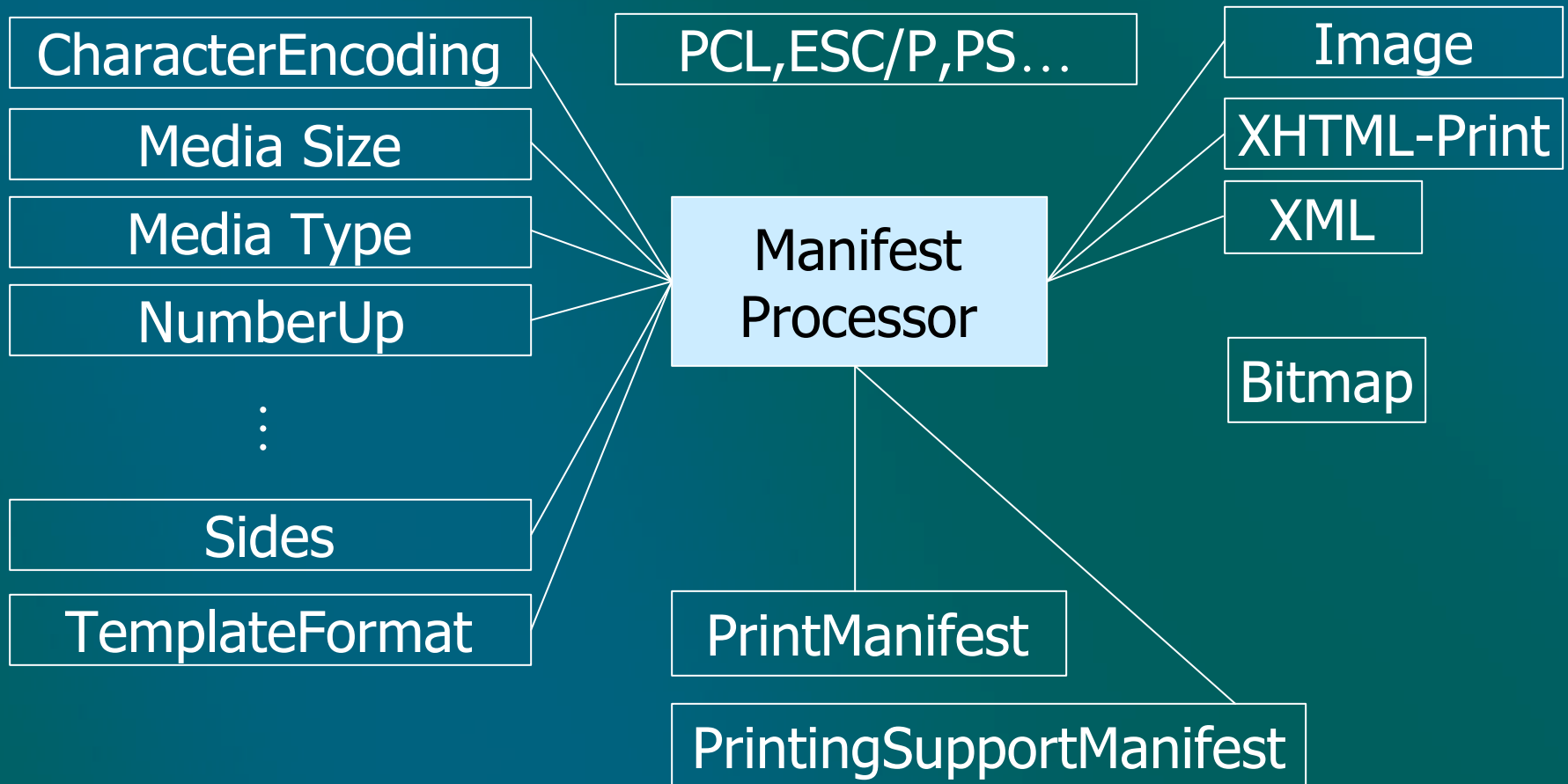
□ object



Manifest Processor SM

— association

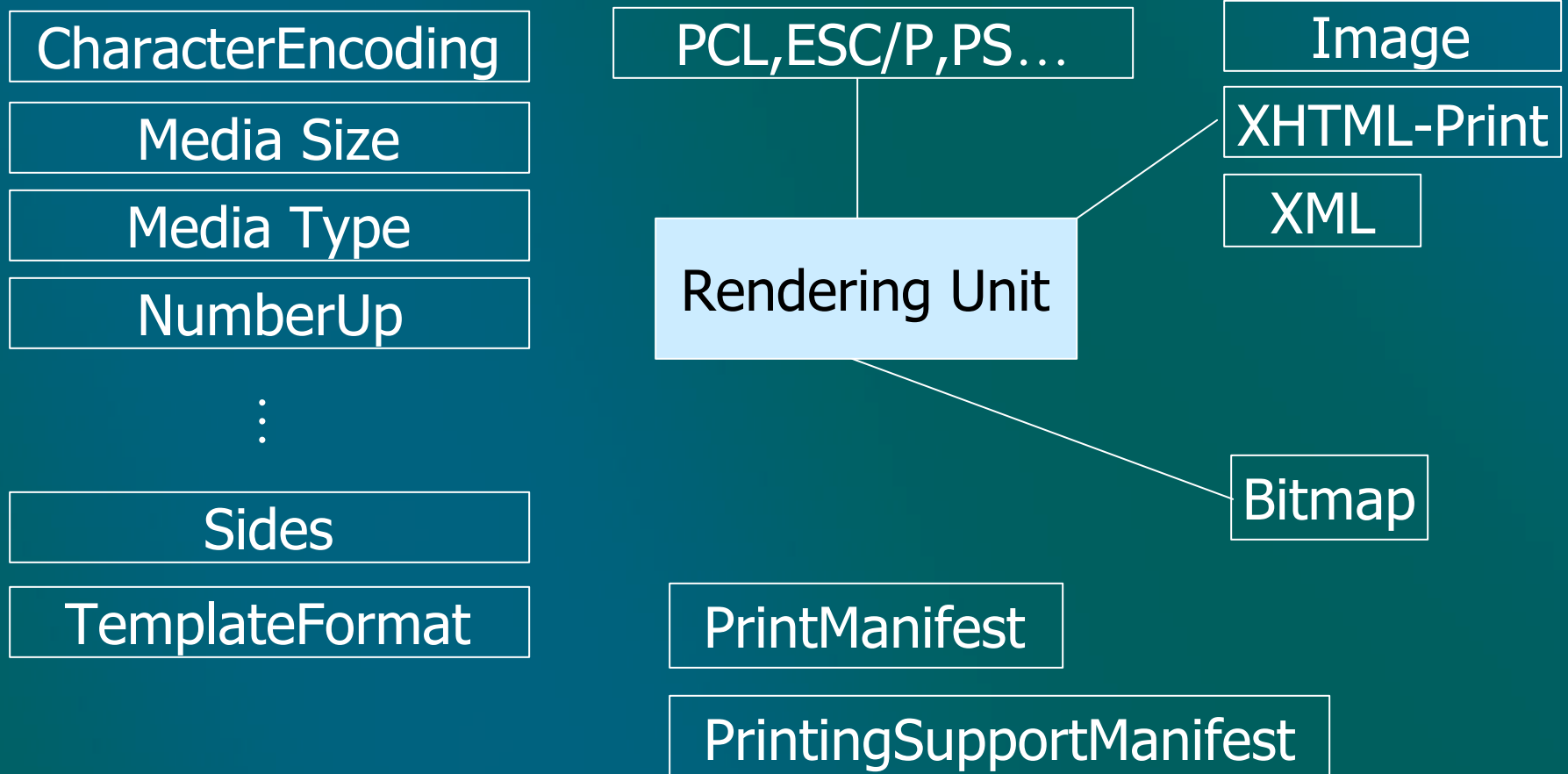
□ object



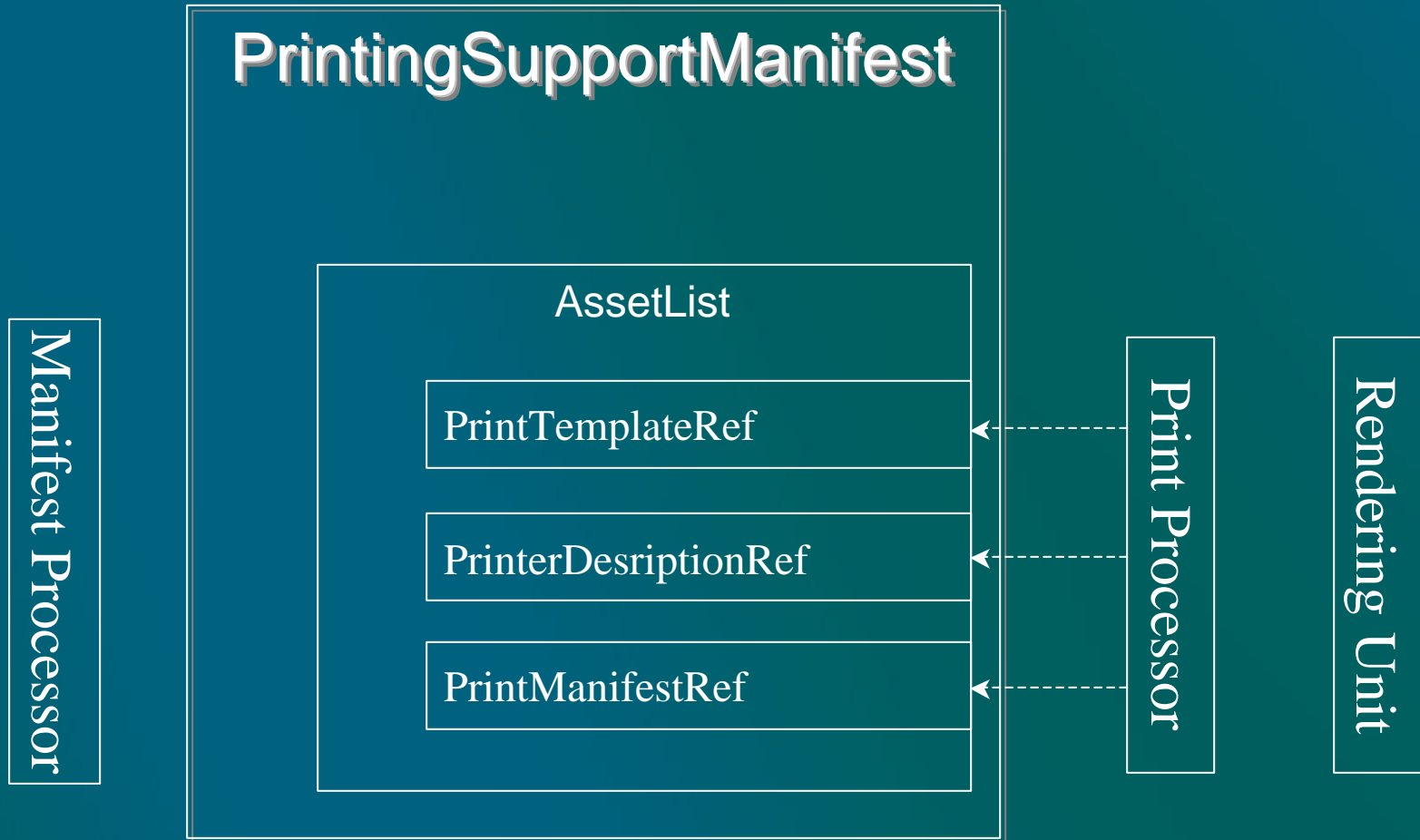
Rendering Unit SM

— association

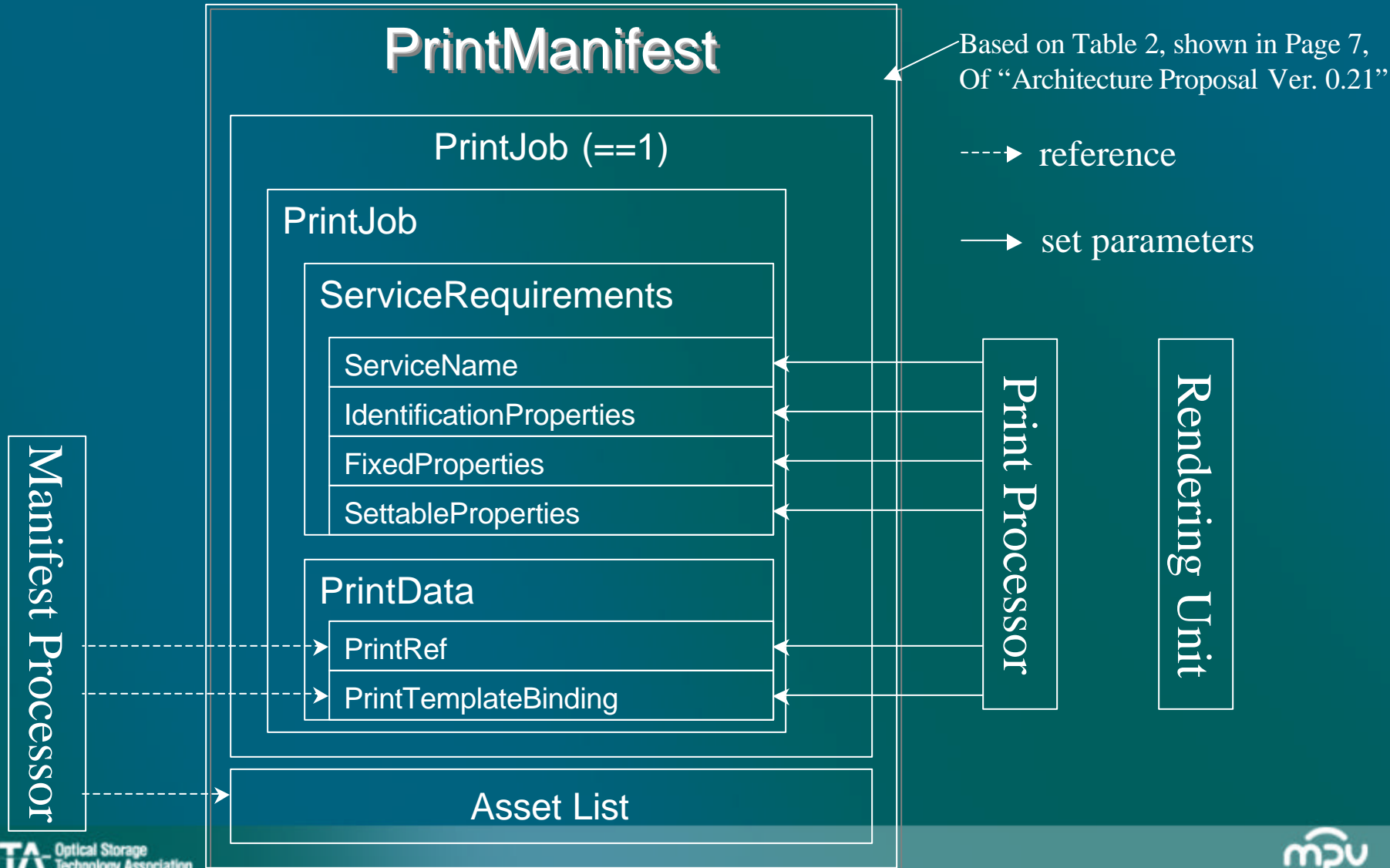
□ object



PrintingSupportManifest



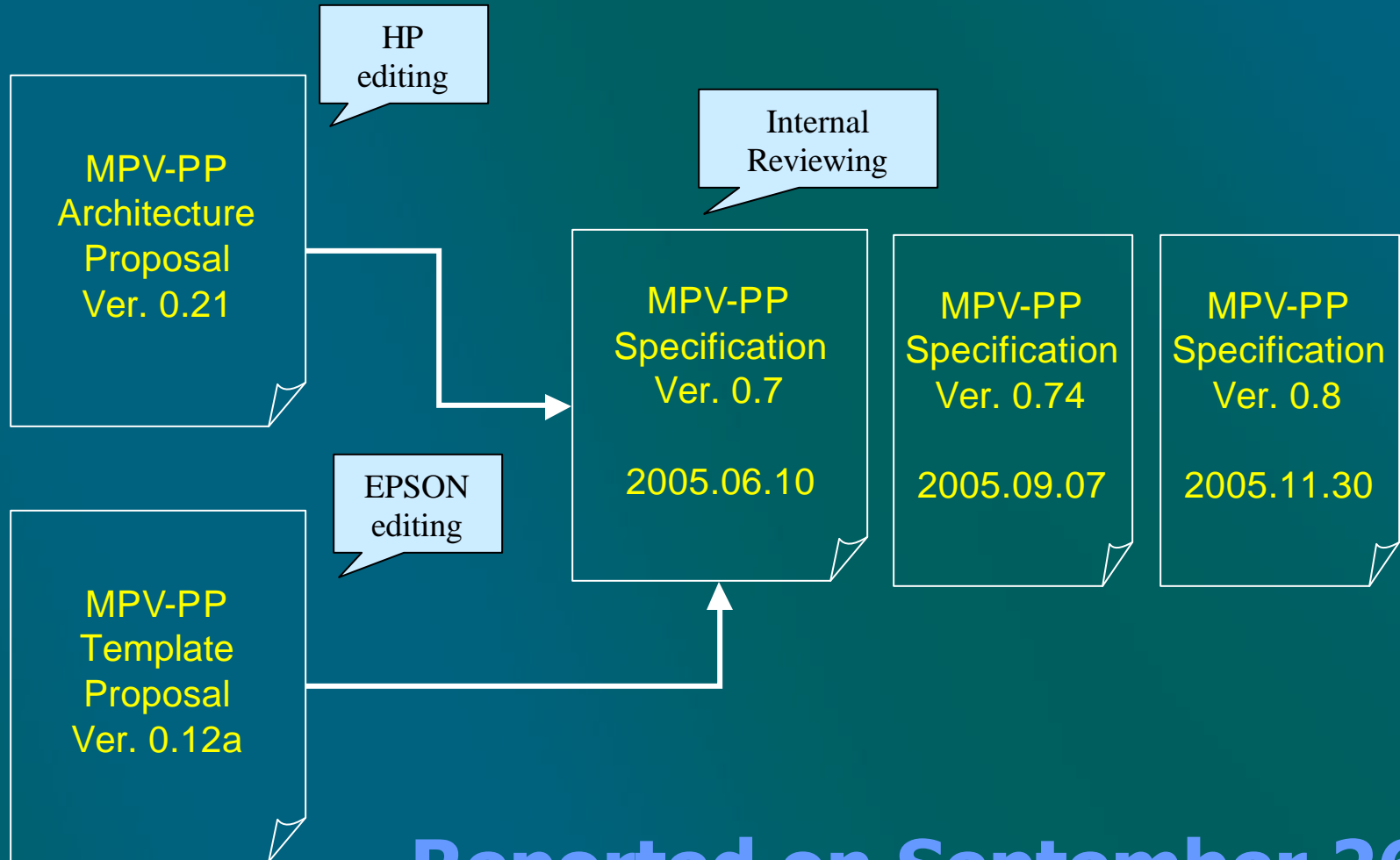
PrintManifest



Specification Editing progress

- **Maintaining a newer wish list**
 - To keep consistency with other standard activities (USB Storage, UPnP, ...)
- **To revise a newer specification**
 - Small amount of requirements to implement
 - Large scale of application coverage

Specification Development Status



Reported on September 26

Thank you!