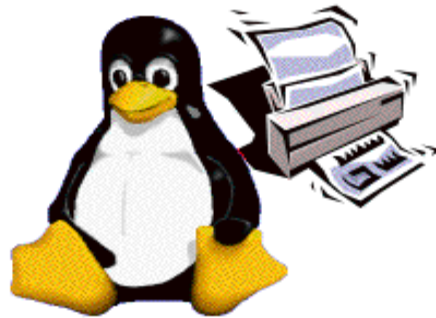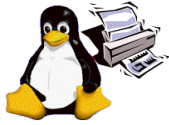# *Status Monitoring*

Status Monitoring & Objectives

- Status Monitoring API is:
    - A neutral interface for acquiring static and real-time printer status

- Status Monitoring API contains:
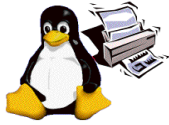   - Commands to open/close a status monitoring channel.
    - Commands to translate device-dependent status data to generic format data.
    - Commands to handle events from a printer.

- Objectives
    - To isolate software elements from differences due to device-dependent printer status format

Status Monitoring API

Channel Control

New

- Create an object, and open a status monitoring channel via PCM.

Destroy

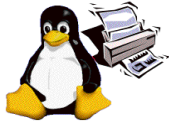- Close the status monitoring channel, and destroy the object.

Obtaining Status

ReadStatus

- Read a printer status data via PCM, translate it to a generic format data, and store it into the buffer given by the caller.
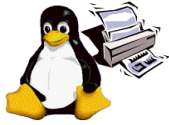
Event Handling

TBD

Status Monitoring API – Details (1)

- Detail of API
  - TBD
    - We've decided that the bi-directional printer communication interface should be divided into two groups, PCM for wrapping low level I/O dependencies, and SM for wrapping status data format dependencies.

    - Status Monitoring API depends on the PCM API specification.

    - We will re-start our discussion after the first draft of PCM API finished and authorized in OpenPrinting WG.

    - We will consider that Status Monitoring API should be consistent with the existing printing system, such as CUPS, LP, etc.
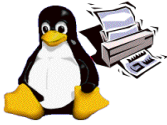
Status

- Discussion about SMAPI
  - 2003/9   First pre-draft of the SMAPI specifications.
  - 2004/3   Open the draft to working group.
  - 2004/6   Divide bi-di functions into two groups, PCMAPI and SMAPI.

- Discussion about SMAPI
  - Printing-Japan ML
  - 2003 - 2004 Face to Face meeting – Monthly
  - 2005/1Q Focused on the PCM activity.

- Milestone
  - 2006/1Q   PCM First draft and review

- To-Do
  - Define APIs in detail
  - Consider the event handling

SM Working Group Information

- To subscribe to FSG SM mailing list:
  - http://freestandards.org/mailman/listinfo/printing-japan

- To post a message to FSG SM mailing list
  - printing-japan@freestandards.org

- To view FSG SM mailing list archives
  - http://freestandards.org/mailman/listinfo/printing-japan

- To find FSG SM documents
  - http://www.papadon.jp/OpenPrinting/StatusMonitoringAPI/   (to be re-wrriten)

- Participants
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  - Ide Kentaro   SEIKO EPSON CORPORATION
  - Shinpei Kitayama   EPSON Avasys CORPORATION
  - Yamagishi Toshihiro   Turbolinux, Inc.
  - Koji Otani   AXE
  - Kanjo Hidenori   BBR INC.
  - Yoshida Mikio   BBR INC.