

# **Draft proposed charter for a working group on the topic of system management standards for video projectors and displays**

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## **Problem Statement:**

Dynamic display devices such as video projectors and video displays are imaging devices that are similar in many ways to printers and faxes. When such devices are permanently installed in offices or other locations, they need remote management capabilities so that users can monitor their health and status. Management of these devices is already appearing in products, but is fragmented and proprietary.

Projectors and displays will be much more active devices in the near future, closely modeling the intelligence built into modern printers. New functions will include page definition language interpretation, web access, shared file access, accounting, and so forth, in addition to reporting of health and consumable status.

A standard for management of these devices would benefit both the industry and the user community. More manageable devices and better management software will improve user satisfaction with the devices and increase volumes and production efficiencies.

## **Co-Chairs:**

Richard Landau, Dell

Raymond Rogers, Symon Communications

## **Secretary:**

TBD

## **Participants:**

Koichi Ara, NEC

Nick D'Alessio, Dell

Lee Farrell, Canon

Imahashi Kazuyasu, Sony

Bill Kuhn, Spinoza

Richard Landau, Dell  
Randy Massengale, Spinoza  
Hiroshi Midorikawa, Epson  
Vincent Ng, Dell  
Joe Rabah, Symon  
Raymond Rogers, Symon

### **Editors:**

Richard Landau and Nick D'Alessio, Dell  
Hiroshi Midorikawa, Epson

### **Mailing Lists:**

TBD

### **Objectives:**

- Establish an architectural model of projectors and video display devices, and models of their use. We do not wish to include desktop monitors attached to PCs, but only displays that are permanently or temporarily installed as digital signage.
- Define management objects and semantics for a set of usage models.
- Define consistent semantics for management objects that can be accessed through a variety of management protocols.
- Define an SNMP MIB for the management objects in the model.
- Define a web service based on the same architectural model and management data.

### **Non-goals:**

- Do not define job submission or content access protocols for sending video data or abstract (non-video) data to projectors and displays. (Good idea, but separate effort from management.)
- Do not define page definition formats and languages to be implemented in projectors and displays, e.g., HTML, PDF, PostScript, PCL, other. (Not in scope.)

### **Milestones:**

Charter Stage:

- Initial working draft of charter.
- Stable working draft of charter.

- Approved charter (accepted by standards body for development) and membership of working group.

Definition Stage:

- Preliminary requirements circulated to member companies of standards body.
- Final requirements.
- Draft architectural model of projector/display, including components, attributes, functions.
- Draft SNMP MIB for this class of device circulated to member companies of standards body.
- MIB published as RFC, with an IANA-assigned public MIB number, if possible.

Implementation Stage:

- Interoperability event.