

# Web-based Imaging Management System Counter Spec Issue

**Lexington, Kentucky  
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PWG WIMS Activity



# Background

- Issue brought up by Stuart Rowley on 5 June
- Issue related to three objects used to describe the media size and type.
  - **icMediaUsedMediaSizeName - DisplayString,**
  - **icMediaUsedMediaInfo - SnmpAdminString,**
  - **icMediaUsedMediaName - SnmpAdminString**
- MIB indicates all are localized; but this makes it difficult for accounting application

# Intended use of each object

- **icMediaUsedMediaSizeName - DisplayString**
  - **Keyword - follows the format in PWG 5101.1**
  - **MUST be strict ASCII and NOT localized**
- **icMediaUsedMediaInfo - SnmpAdminString,**
  - **Localized to satisfy IETF internationalization**
  - **BUT it is used to qualify icMediaUsedMediaSizeName – and as such should NOT be localized**
- **icMediaUsedMediaName - SnmpAdminString**
  - **Intended for user information and should be localized**

# Tentative Conclusion

- **icMediaUsedMediaSizeName**
  - **is a PWG 5101.1 defined keyword and should not be localized**
  - **The Counter MIB should be corrected**
- **icMediaUsedMediaInfo SnmpAdminString**
  - **is freeform descriptive information, not a public defined keyword,**
  - **but operationally is used to qualify icMediaUsedMediaSizeName**
  - **and therefore and should be one of a set of strings defined for use in a particular environment or with a particular application**
  - **is an overload of icMediaUsedMediaInfo as**
    - **a qualifying descriptor for media identification and**
    - **as a description for human consumption.**
  - **Therefore, a new term should be introduced as a qualifier, requiring a change to both the Counter Spec (PWG 5106.1) and the Counter MIB**

# Proposed Solution

- Leave icMediaUsedMediaInfo (PWG 5106.1 section 5.3) descriptive, localized
- Add a new attribute 'icMediaUsedMediaKey' (see PWG 5100.3) that IS unique as a qualifier
  - The attribute media-key (in media-col) is meant to be a unique key. Description of the attribute's value in PWG 5100.3 is underspecified.
  - Suggest using hyphen-separated media descriptive keywords (size, color, type) from PWG 5101.1 (Standard Media Names) followed by a free-form suffix based on media weight, coating, etc. taken from the other attributes in media-col in PWG 5100.3.  
  
iso-a4-white-stationery-satin (size/color/type/front coating)
- Update Counter MIB accordingly

# Comment & Response

- **Comment - Probably overkill for Accounting**
  - Typical account application uses general terms such as bond, letterhead, transparency, etc. as well as a few customizable types
  - For accounting it is sufficient (and maybe more desirable) to say "bond" rather than "white-bond-matte-24lb-89brightness".
- **Response - In Abstract Counter spec (PWG 5106.1), there was strong consensus that the list of MediaUsed must have a unique key**
  - This unique key is not provided
  - Many of these media characteristics are only currently standardized (and enumerated) in CIP4 JDF and the FSG/OP Job Ticket API standards.
  - MediaUsed counters have been added to Counters schema that is Semantic Model/2.0 work-in-progress

# For Discussion

- Add ability to uniquely key media?
  - **New element to qualify**  
icMediaUsedMediaSizeName ?
  - **New fully qualifying element?**
- Define element?
- Add element to Counter Spec
- Adjust Counter MIB w/ elements,  
localization