# Job - General Group

| Job Set Index | Job Persistence | Attribute Persistence | Lowest Active Index |
|---|---|---|---|

- ★ Job set Index fixed = 1 for simple printer implementations
- ★ Persistence of Job ID and State entries in seconds
- ★ Persistence of Attribute table entries in seconds
- ★ jmGeneralLowestActiveIndex for jobs that have not printed

# Job - ID Group

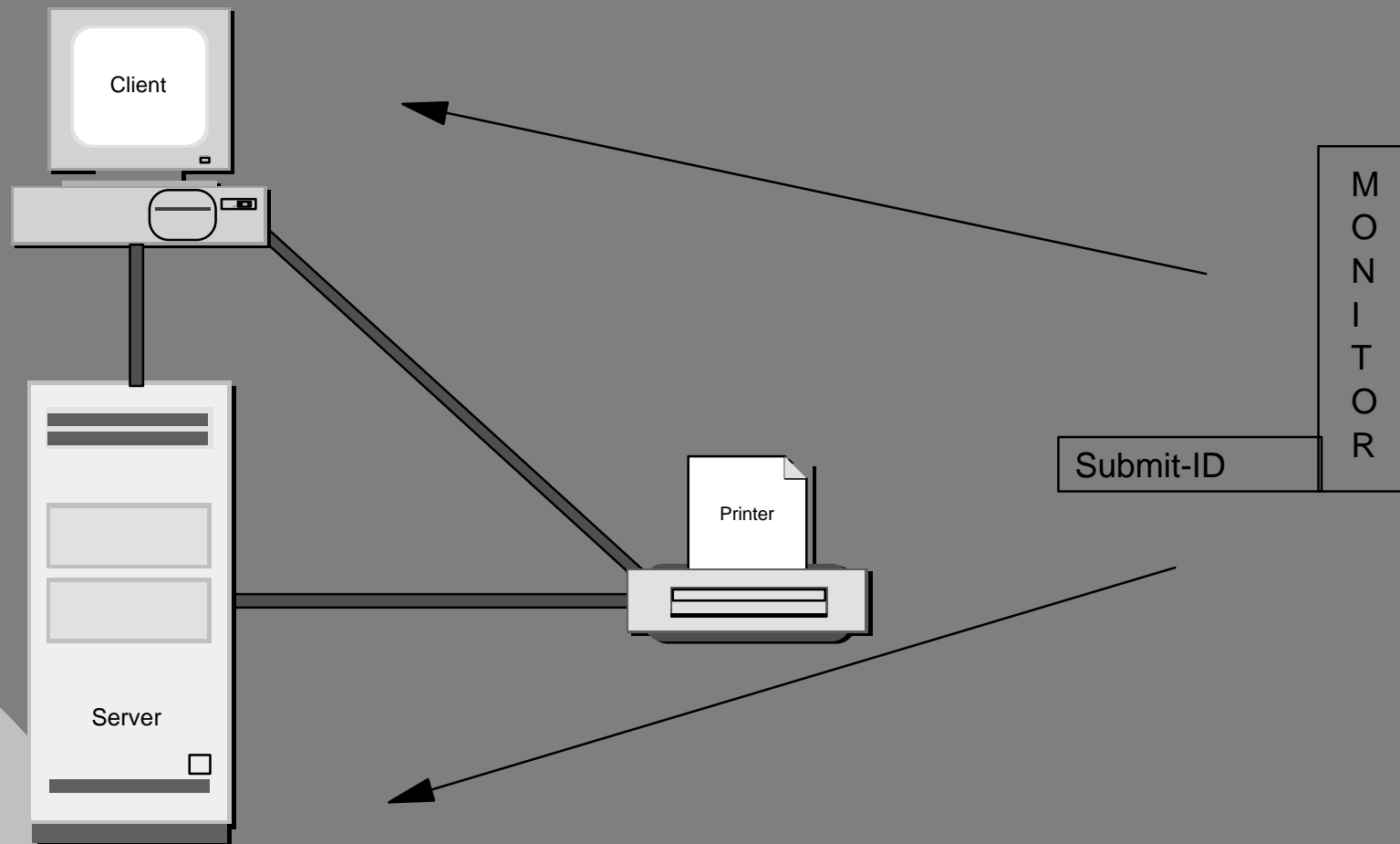| JobSubmissionID | JobSetIndex | JobIndex |
|---|---|---|

* ★ JobSubmissionID is 32 byte string
  * ✓ Various forms could be registered
  * ✓ Intended to contain quasi unique job names
  * ✓ Can contain Server Name, Number, Queue Name concatenations and/or UUID formats
* ★ Facilitates receipt of jmJobIndex without getting whole table
* ★ Job Index then used to index Job State and Accounting tables

# Submission ID Formats

| Format | Part-1 | Part-2 |
|---|---|---|
| 0 | Printer specified ID for jobs that arrive without | |
| 1 | 8 digit random number | Last 22 bytes of job File Name |
| 2 | 8 digit sequential number | Client MAC adress |
| 3 | 8 digit sequential number | Last 22 bytes of client URL |
| 4 | Other new  formats | |

# Submission/Monitoring

Client

M
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R

Submit-ID

Printer

Server

# Job - State Table

| JobSetIndex | JobIndex | JobState | Octets Completed | Impressions Completed | State Value |
|---|---|---|---|---|---|
| | | | | | |

★ **Job State**
- ✓ Pending
- ✓ Processing
- ✓ Printing
- ✓ Canceled
- ✓ Held
- ✓ Completed
- ✓ Needs Attention
- ✓ Retained

★ **State Value**
- ✓ Queue Position
- ✓ Total number of Octets
- ✓ Total number of Impressions
- ✓ Number of impressions printed
- ✓ Held TimeTicks
- ✓ Output Bin Used
- ✓ Printer  Alert Code
- ✓ Retained TimeTicks

# Job - Accounting Table

| JobSetIndex | JobIndex | Resource Type | Resource Index | Value as Integer | Value as Octets |
|---|---|---|---|---|---|
| | | | | | |

- ★ Same as current PWG draft
- ★ Some values may also apear in Job State table

# Advantages

- ▸ Direct access to printer assigned job index
- ▸ All State information is together in one table
- ▸ State table entry always contains most useful information for that state
- ▸ Separates print job monitoring (State) from accounting (Resource) information
- ▸ Reduced size

# Job State Table (possible revision)

| JobSetIndex | JobIndex | JobState |
|---|---|---|

★ **Job State**
- ✓ Received
- ✓ Processing
- ✓ Printing
- ✓ Canceled
- ✓ Held
- ✓ Completed
- ✓ Needs Attention