# Context

In this document we will outline what each field in a csv report is responsible for. Some fields are mandatory whereas others are “nice to have”. In device examples we will use the “Hewlett-Packard Laserjet 4345 mfp”.

RMS stands for “Remote Monitoring System”.

# CSV Fields

## RMS model ID (Required)

This field is used to ensure all devices of the same model get assigned the same attributes. For example all Hewlett-Packard Laserjet 4345 mfp devices would have the same model id

## Model name (Required)

This is the device’s model name. Example: Laserjet 4345 mfp

## Manufacturer (Required)

This field represents the manufacturer of the device. Example: Hewlett-Packard

## Serial number (Optional but highly recommended)

This is the device’s serial number

## IP address (Optional but highly recommended)

This represents the IP address of the device

## Is color (Required)

Whether or not the device prints in color

## Is copier (Required)

Whether or not the device can copy

## Is scanner (Required)

Whether or not the device can scan

## Is fax (Required)

Whether or not the device can fax

## Monochrome pages per minute (ppmBlack or ppmMono) (Required)

The device’s monochrome page speed

## Color pages per minute (ppmColor) (Required)

The device’s color page speed

## Introduction date (Required)

The date the device was first released to market

## Adoption date (Required)

The date the device was adopted

## Discovery date (Required)

The date the RMS system first saw the device on the network

## Toner Data (Optional but highly recommended)

For each of the following colors we need OEM toner SKU, yield, and cost:

* Monochrome (Black)
* Cyan/Magenta/Yellow (If color)

Toners that the device does not support can be left blank (Example: Cyan isn’t used on a monochrome device)

## Duty Cycle (Required)

What the devices duty cycle is in pages.

## Watts Operating (Required)

The devices wattage when operating

## Watts Idle (Required)

The devices wattage when idling/on standby

## Meters (Required)

We need a start and end meter for each of the following:

* Monochrome (Black)
* Cyan/Magenta/Yellow (If color)
* Life
* Any additional meters can help enhance accuracy

## Toner Levels (Required but can use alternative)

We need to know the following toner levels:

* Monochrome (Black)
* Cyan/Magenta/Yellow (If color)

It would also be acceptable to have a single field to flag whether or not a device has the capability of reporting toner levels

## Monitor Start Date (Required)

The date the start meters were recorded

## Monitor End Date (Required)

The date the end meters were recorded