HP Technical
White Paper

HP CM8060/CM8050 Color MFP – Print Usage Tracker

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Document Summary

- This document describes the optional new page counting methodology provided by the Print Usage Tracker feature for Edgeline MFP devices.

Security:
Public

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Introduction

The CM8060/CM8050 Edgeline firmware release version 20091130 77.018.0 provides a new page counting methodology, known as the Print Usage Tracker feature, which can be enabled if desired. Current page counting methods were designed to enable efficient service and support. The Print Usage Tracker feature implements new page counting methods which are more aligned with today's job accounting needs.

The administrator or owner of the product has the option either to enable the new counting method or to do nothing. If the new counting method is enabled the device **cannot return to the previous counting method**. It is important to understand this. If the feature is not enabled, nothing will change on the device and it will continue to count pages the same as it originally did from the factory.

This document will provide an overview of how the Print Usage Tracker change will influence a product's page counting capabilities. Device administrators and product owners should review this information in order to make an informed decision to permanently enable the new counting behavior or to stay with the original factory counting behavior.

What will change if the new page counting method is enabled?

If the new page counting method is enabled, the product's behavior for incrementing and presenting duplex page count information will change. This page count information is viewable from two places: printed Usage Page and the Embedded Web Server (EWS) Usage Page.

The list below provides information for which values will change and how those changes will be counted on both Usage Pages. All of the changes listed below apply to both the printed Usage Page and the EWS Usage Page. See Figure 1 and Figure 2 for sample Usage Pages with the changes noted to match the bullet points below (A, B, C, etc.).

A) Duplex counts for each Color Quality (Professional, Professional – Color Accent, General Office, and General Office – Color Accent) or Black Only will count only sides where ink has been applied and will not increment for sides that do not contain ink.[1]

B) Duplex counts in the Black Only table will only increment by a value of one <u>for each side</u> of a duplex sheet of paper where only black ink is applied.[2]

C) Duplex counts in each of the Color Quality tables (Professional, Professional – Color Accent, General Office, and General Office – Color Accent) will only increment by a value of one <u>for each side</u> of a duplex sheet of paper where color ink is applied.[2]

> ***Example:*** *A four page document is printed in duplex mode with the Professional print quality selected. The first page of the document contains color, the second page of the*

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[1] This does not apply to copy jobs. Copy jobs scan images into the copy pipeline using a CCD scanner. When this process is performed, it is similar to taking a picture of the original. Because of how this technology works, the device does not have the ability to determine whether the original contains an image on the page and therefore if a blank page is copied, the copy system will still count the page as a Black Only or Color page based on the original setting for the copy.

[2] The CM8060/CM8050 Edgeline products support the Smart Duplex feature. With the Smart Duplex feature enabled, if a duplex job contains an odd number of pages then the last sheet of paper (which will be blank on one side) will not be processed through the duplex paper path. For such sheets of paper, the Simplex count will increment by one instead of the Duplex count. This feature is enabled by default and can be access on the Control Panel at Administration >> Device Behavior >> Tray Behavior >> Duplex Blank Pages.

document contains black text only, the third page of the document is blank and the fourth page contains color. The document is printed on two sheets of paper and includes two sides with color ink applied (exceeding the Color Accent threshold), one side with black only ink applied and one side that is blank. As a result the Professional Duplex count will increment by two and the Black Only Duplex count will increment by one.

D) The Duplex "Units" value will change to the single side Letter or A4 equivalent value (same as Simplex "Units" values) to reflect the new counting method described in bullet points A, B, and C. This applies to all Color Quality and Black Only count tables.

E) Count values in the Duplex 1 Image columns will no longer increment and will always contain asterisks.

F) The "Scanned (Copy, Send & Fax) section of the Usage Page will not be affected by this new functionality.

Figure 1 – Printed Usage Page

Usage Page

HP CM8060 Color MFP with Edgeline Technology

Page 1

Device Information

```
Device Serial Number:  SG6CI1100F
Product Name:  HP CM8060 Color MFP
Device Name:  HP CM8060 MFP with Edgeline
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Usage Totals (Weighted For Billing)

Usage Totals Summary:	Printed: 91,975.6	Scanned: 6,198.4

Printed (Print, Copy, & Fax)

(A)
(C)
(D)
(E)

Color Quality: Professional

Page Size	Simplex	Units	Duplex	Units	Total	Duplex 1 Image
Letter (8.5x11)	22,713	1.0	32,306	1.0	55,019.0	**
Legal (8.5x14)	210	1.3	1,484	1.3	2,202.2	**
A4	381	1.0	1,736	1.0	2,117.0	**
11x17	1,436	2.0	90	2.0	3,052.0	**
A3	8	2.0	1,602	2.0	3,220.0	**
Custom	2	1.0	0	1.0	2.0	**
A5	37	0.5	0	0.5	18.5	**
Statement (5.5x8.5)	1	0.5	0	0.5	0.5	**
4x6	74	0.3	0	0.3	22.2	**
5x7	337	0.4	0	0.4	134.8	**
Total Category Usage					65,788.2	

Color Quality: Professional - Color Accent

Page Size	Simplex	Units	Duplex	Units	Total	Duplex 1 Image
Letter (8.5x11)	2,425	1.0	1,809	1.0	4,234.0	**

Black Only

| | | **(B)** | **(D)** | | **(E)** |
Page Size	Simplex	Units	Duplex	Units	Total	Duplex 1 Image
Letter (8.5x11)	10,159	1.0	8,732	1.0	18,891.0	**
Legal (8.5x14)	13	1.3	0	1.3	16.9	**
A4	39	1.0	16	1.0	55.0	**
11x17	318	2.0	108	2.0	852.0	**
A3	10	2.0	0	2.0	20.0	**
A5	2	0.5	266	0.5	134.0	**
5x7	1	0.4	0	0.4	0.4	**
Total Category Usage					19,969.3	

Total Copy Pages Printed: 9,858
Total Fax Pages Printed: 0

Scanned (Copy, Send, & Fax) **(F)**

Page Size	Simplex	Units	Duplex	Units	Total
Letter (8.5x11)	4,610	1.0	469	2.0	5,548.0
Legal (8.5x14)	135	1.3	0	2.6	175.5
A4	7	1.0	0	2.0	7.0
Executive (7.25x10.5)	33	0.8	0	1.6	26.4
11x17	189	2.0	0	4.0	378.0
A3	1	2.0	0	4.0	2.0
B4 (JIS)	37	1.5	0	3.0	55.5
OTHER	**	**	**	**	6.0
Total Scanner Usage					6,198.4

Figure 2 – EWS Usage Page

HP CM8060 MFP with Edgeline / 15.252.49.26
HP CM8060 Color MFP with Edgeline Technology

Information   Log In

- Device Status
- Configuration Page
- Supplies Status
- Event Log
- Usage Page
- Device Information
- Print
- SafeCom

Other Links
HP Instant Support
Product Support
teste
safecom.eu

Usage Page

Device Information

Device Serial Number:	SG6CI1100F
Product Name:	HP CM8060 Color MFP
Device Name:	HP CM8060 MFP with Edgeline

Usage Totals (Weighted For Billing)

Usage Totals Summary: Printed: 91,975.6 Scanned: 6,198.4

Printed (Print, Copy, & Fax)
Color Quality: Professional

| | | **(A)** **(C)** | **(D)** | | **(E)** |
Page Size	Simplex	Units	Duplex	Units	Total	Duplex 1 Image
Letter (8.5x11)	22,713	1.0	32,306	1.0	55,019.0	**
Legal (8.5x14)	210	1.3	1,484	1.3	2,202.2	**
A4	381	1.0	1,736	1.0	2,117.0	**
11x17	1,436	2.0	90	2.0	3,052.0	**
A3	8	2.0	1,602	2.0	3,220.0	**
Custom	2	1.0	0	1.0	2.0	**
A5	37	0.5	0	0.5	18.5	**
Statement (5.5x8.5)	1	0.5	0	0.5	0.5	**
4x6	74	0.3	0	0.3	22.2	**
5x7	337	0.4	0	0.4	134.8	**
Total Category Usage					65,788.2	

Color Quality: Professional - Color Accent

Black Only

Page Size	Simplex	Units	Duplex (B)	Units (D)	Total	Duplex 1 Image (E)
Letter (8.5x11)	10,159	1.0	8,739	1.0	18,898.0	**
Legal (8.5x14)	13	1.3	0	1.3	16.9	**
A4	39	1.0	16	1.0	55.0	**
11x17	318	2.0	108	2.0	852.0	**
A3	10	2.0	0	2.0	20.0	**
A5	2	0.5	266	0.5	134.0	**
5x7	1	0.4	0	0.4	0.4	**
Total Category Usage					**19,976.3**	

Total Copy Pages Printed: 9,858
Total Fax Pages Printed: 0

Scanned (Copy, Send, & Fax) (F)

Page Size	Simplex	Units	Duplex	Units	Total
Letter (8.5x11)	4,610	1.0	469	2.0	5,548.0
Legal (8.5x14)	135	1.3	0	2.6	175.5
A4	7	1.0	0	2.0	7.0
Executive (7.25x10.5)	33	0.8	0	1.6	26.4
11x17	189	2.0	0	4.0	378.0
A3	1	2.0	0	4.0	2.0
B4 (JIS)	37	1.5	0	3.0	55.5
OTHER	**	**	**	**	6.0
Total Scanner Usage					**6,198.4**

In accordance with the new methodology, specifically the changes described above in bullet points A and D, the Duplex page counts on a device will be remapped when the Print Usage Tracker feature is enabled. Values in the "Duplex" column will be doubled and values in the Duplex "Units" column will be halved to reflect the new methodology's focus on duplex sides. Values in the "Total" column will not change.

*Example of usage page excerpt **before** enabling Print Usage Tracker:*

Usage Totals Summary: Printed: 23,305.6 Scanned: 2,472.9

Printed (Print, Copy, & Fax)
Color Quality: Professional

Page Size	Simplex	Units	Duplex	Units	Total	Duplex 1 Image
Letter (8.5x11)	10,119	1.0	2,895	2.0	15,909.0	22
Legal (8.5x14)	9	1.3	0	2.6	11.7	0
A4	443	1.0	16	2.0	475.0	0
11x17	340	2.0	93	4.0	1,052.0	0

*Example of usage page excerpt **after** enabling Print Usage Tracker:*

Usage Totals Summary: Printed: 23,305.6 Scanned: 2,472.9

Printed (Print, Copy, & Fax)
Color Quality: Professional

Page Size	Simplex	Units	Duplex	Units	Total	Duplex 1 Image
Letter (8.5x11)	10,119	1.0	5,790	1.0	15,909.0	**
Legal (8.5x14)	9	1.3	0	1.3	11.7	**
A4	443	1.0	32	1.0	475.0	**
11x17	340	2.0	186	2.0	1,052.0	**

How is the new page counting method enabled?

If desired, use the following steps to enable the new page counting method (known as Print Usage Tracker) via the product's Embedded Web Server. See Figure 3 for a screen shot of this page.

1) Verify that your device firmware version is 20091130 77.018.0 or greater. If necessary, upgrade your device firmware to a version that includes this feature.
2) The Print Usage Tracker acceptance and activation screen is available from the product's Embedded Web Server (EWS) at the following location:
   EWS >> Settings >> General Security >> Print Usage Tracker
3) Review the acceptance screen so that the changes are understood and you are comfortable with how the changes may or may not affect your HP device or product use model.
4) If you are comfortable with the acceptance statements and the new counting functionality, choose to enable the feature. As stated previously it is very important to understand that once enabled the device cannot return to the previous counting method.
   a. Select "I Accept"
   b. Select "Enable the Print Usage Tracker feature on this device"
   c. Press "Apply"

NOTE: Currently this functionality can only be enabled through the product's Embedded Web Server (EWS). In the future, HP will provide the ability to enable this functionality through HP's Device management software called HP WebJet Admin. The WebJet Admin support pages can be accessed using the following URL: www.hp.com/go/webjetadmin

Figure 3 – EWS screen shot of enabling Print Usage Tracker

HP Print Usage Tracker change
PLEASE READ CAREFULLY:
BY ENABLING THIS FUNCTIONALITY, YOU AGREE WITH THE TERMS AND CONDITIONS THAT FOLLOW; ONCE ENABLED THE CHANGE CANNOT BE DISABLED

HP has implemented a new page counting methodology that changes the way your HP product counts pages. Current counting methods were designed to benefit service and support. With this change, the counting methods are more aligned with today\'s job accounting needs.

Important Note:Once this feature is enabled, the device will not be able to return to the previous counting method. Before accepting this agreement and enabling the counting change, HP strongly encourages you to obtain additional information to help determine if this change is appropriate for your product. *Details about obtaining this information can be found at the end of this statement.*

BY CHOOSING THE "I ACCEPT" OPTION LOCATED ON OR ADJACENT TO THE SCREEN WHERE THIS AGREEMENT IS DISPLAYED, YOU AGREE TO THE FOLLOWING TERMS:

1. You accept risks assumed to be the result of the page counting behavior changes associated with this feature.
2. You cannot disable this feature or return to the previous method of page counting.
3. You are an authorized representative of your company with permission to manage and make changes to the configuration of this product or products. If you are accepting these terms on behalf of another person or company or other legal entity you represent, you must have full authority to bind that person, company, or legal entity to these terms.

Important! If you do not agree to these terms, do not enable this functionality by choosing the "I do not accept" option found on this screen or adjacent to the screen where this agreement may be displayed.

For more information about this change, visit www.hp.com/go/support. To navigate to the support web page for your product, on the SUPPORT AND DRIVERS page, type the product name of your device (for example, HP Color LaserJet CM3530 MFP or Model number CC520A) in the *"See support and troubleshooting information"* section. Once you have located your support page search for "Print Usage Tracker".

GENERAL TERMS:

a. *You* and *Your* refer either to an individual person or to a single legal entity.
b. *HP* means Hewlett-Packard Company or one of its subsidiaries.

◉ I Accept
◯ I Do Not Accept
☑ Enable the Print Usage Tracker feature on this device

[Apply] [Cancel]

For more information

www.hp.com/support/cm8060edgeline

Applicable products

Product Models

HP CM8060/CM8050 Color MFP

Product Numbers

C5957A, C5958A

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