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Let's start!!!



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e-BRIDGE 2 Version 3.0 & 3.1

July 25th, 2007
Thomas Lernout
Manager- Product Marketing
International Distribution Division

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Agenda

e Part 1:

➡ e-BRIDGE upgrade version 3.0

- e-STUDIO232/282
- e-STUDIO352/452
- e-STUDIO281c/351c/451c
- e-STUDIO520/600/720/850

e Part 2:

➡ E-BRIDGE ID-Gate

e Part 3:

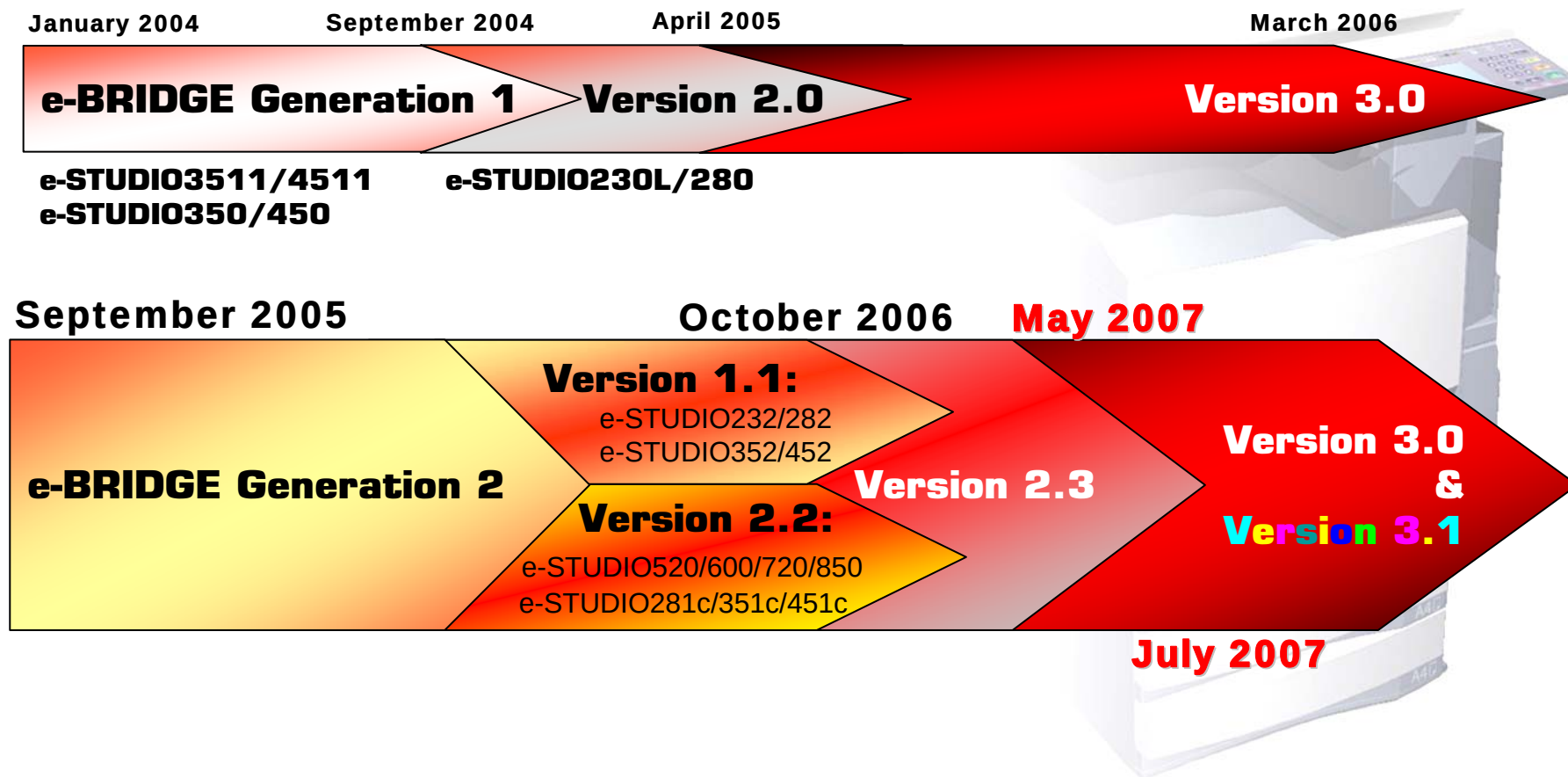
➡ e-BRIDGE upgrade version 3.1

- e-STUDIO2500c/3500c/3510c



e-BRIDGE Concept v3.0

 Easy to improve



Firmware upgrade advantages

e Each firmware brings:

- ➔ Issues fixing
- ➔ New functions (according to development plan)
- ➔ New functions (coming from customer requirements)

e Each firmware upgrade can be applied on MIF

- ➔ For machines of the same e-BRIDGE generation
- ➔ New possibilities for current customers
- ➔ Easy implementation (USB upgrade)



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Part 1: e-BRIDGE 2 v3.0

e-STUDIO232/282

e-STUDIO352/452

e-STUDIO281c/351c/451c

e-STUDIO520/600/720/850



New firmware Availability

e Firmware name:

- ➡ Available for download on WEB QS
- ➡ Will be applied in Production in **July 2007**



e-BRIDGE upgrade version 3.0

e Many improvements:

- ➔ New driver for all e-BRIDGE systems
- ➔ Windows Vista support
 - XPS format
 - WSD
- ➔ New scan functions
- ➔ Role Based Access Control
- ➔ Other changes
 - IPv6
 - Ping/Traceroute
 - New password policy



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New printer driver



New printer driver: Full 32/64-bit support

Supported Operating Systems

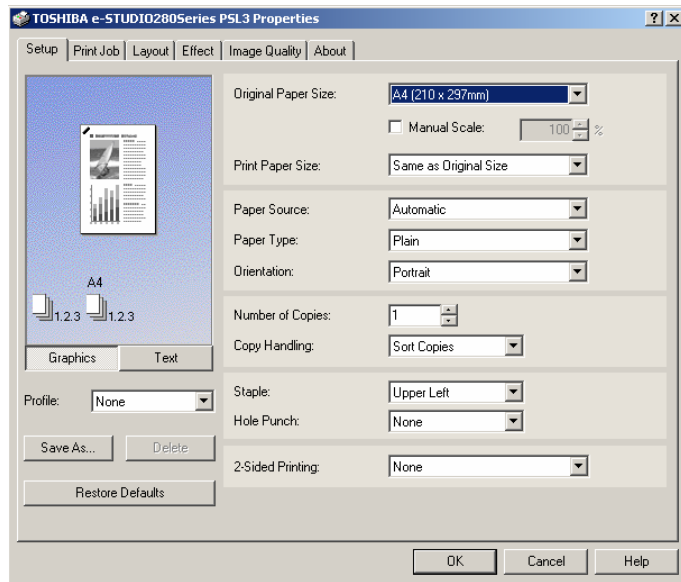


	Windows Vista 32bit	Windows Vista 64bit	Windows XP 64bit	Windows Server 2003 64bit
PrinterDriver	Supported	Supported	Supported	Supported
NW-FAX Driver	Supported	Not supported	Not supported	Not supported
DocMon	Supported	Not supported	Not supported	Not supported
AddressBookViewer	Supported	Not supported	Not supported	Not supported
Twain Driver	Supported	Supported	Supported	Not supported
FileDownloader	Supported	Supported	Supported	Not supported
RemoteScanDriver	Supported	Supported	Supported	Not supported
e-BRIDGE Viewer	Not supported	Not supported	Not supported	Not supported
BackupRestore Utility	Supported	Supported	Supported	Not supported

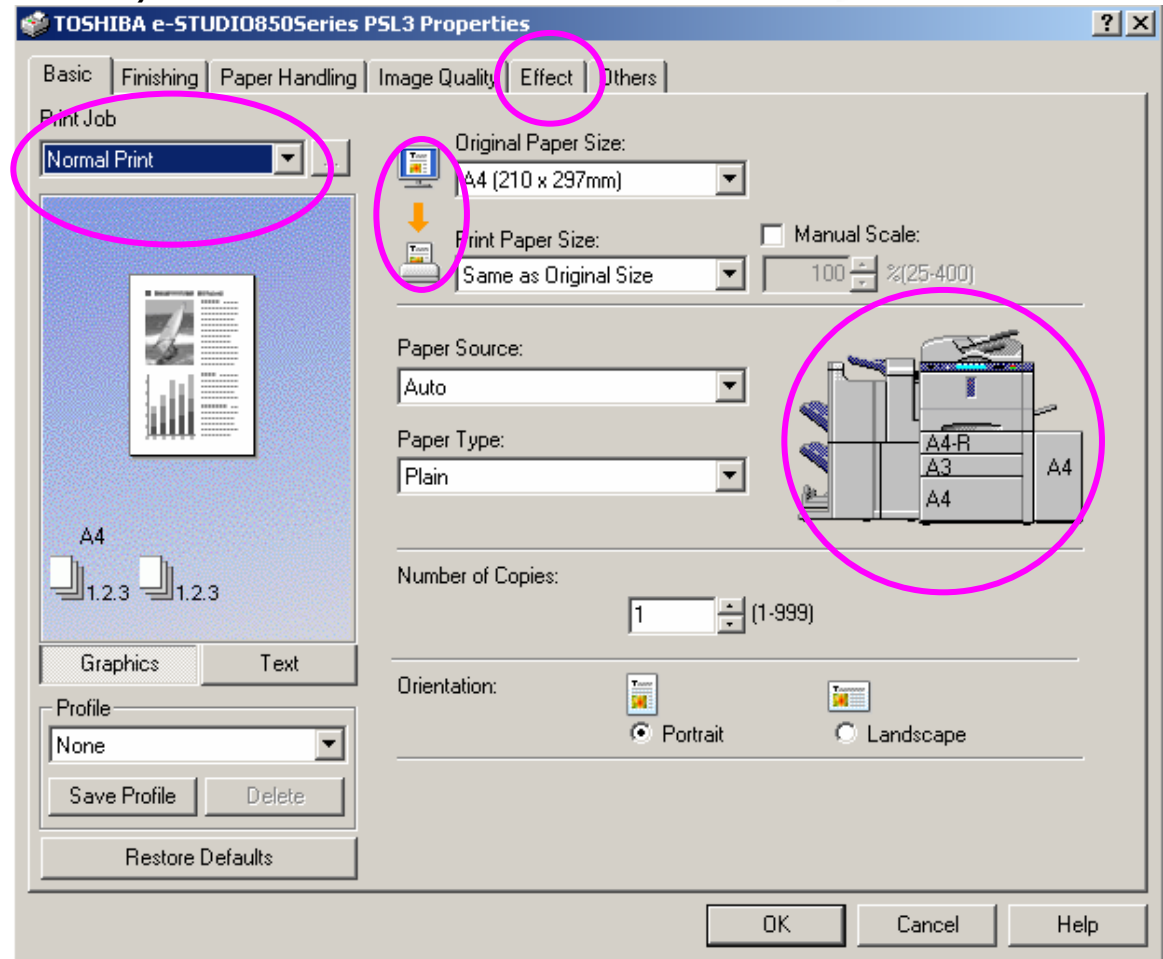
New printer driver: new layout



Actual driver user interface

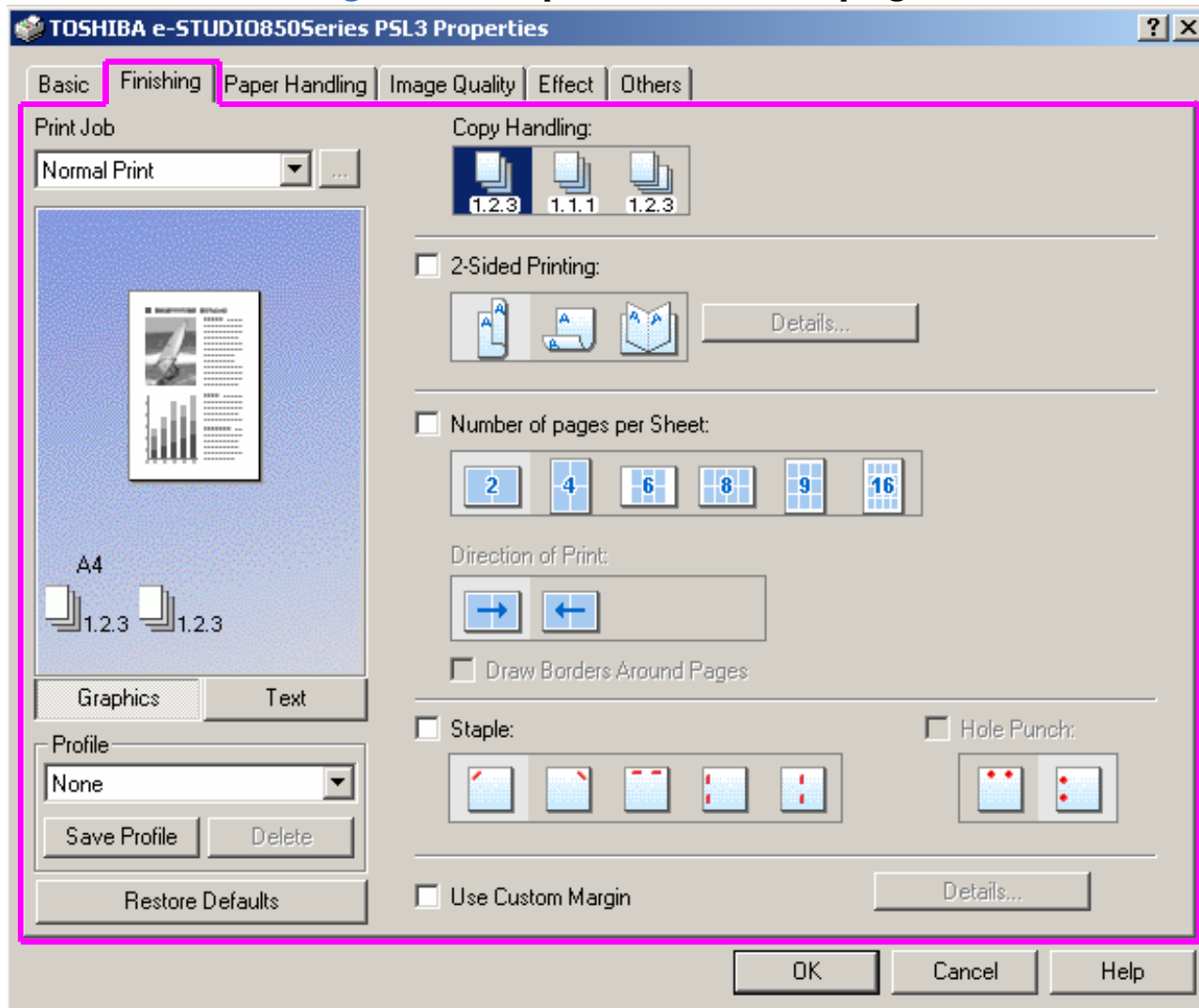


New, like e-STUDIO2500c/3500c/3510c driver UI



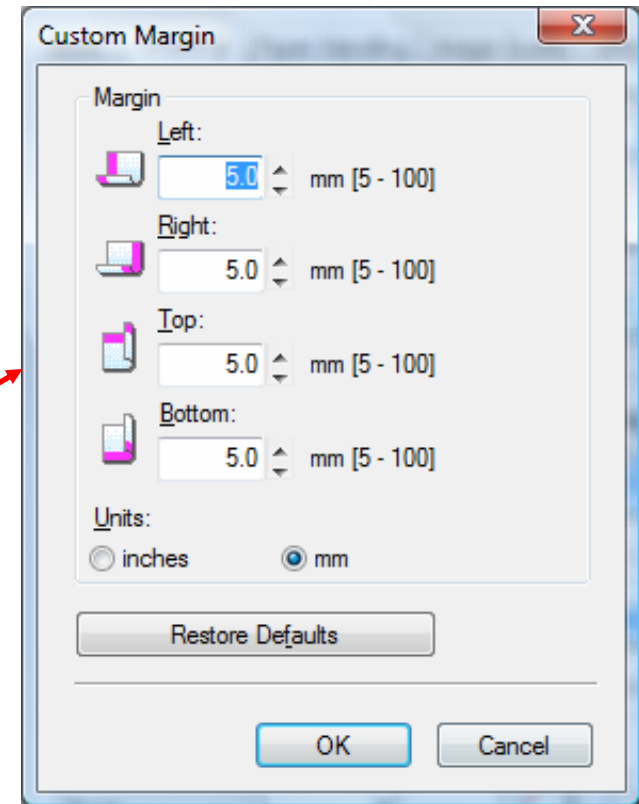
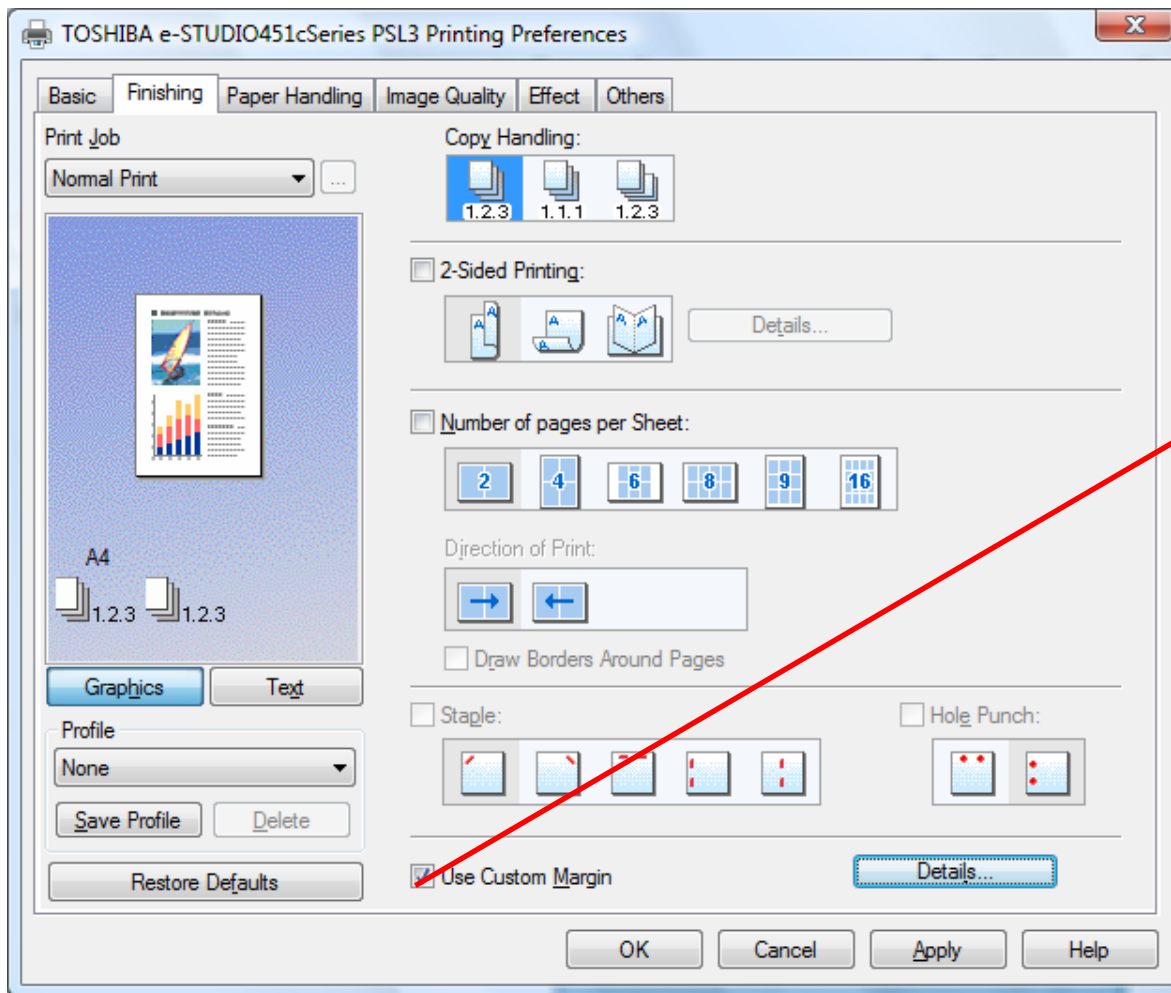
New printer driver: new layout

All finishing features presented on 1 page



New printer driver: new functions

 New function: **custom margin**



New printer driver: customisation

e Printer driver can be customised:

- ➔ Several possibilities:
 - Editing XML file
 - Editing Print Profile
 - Using PDC tool

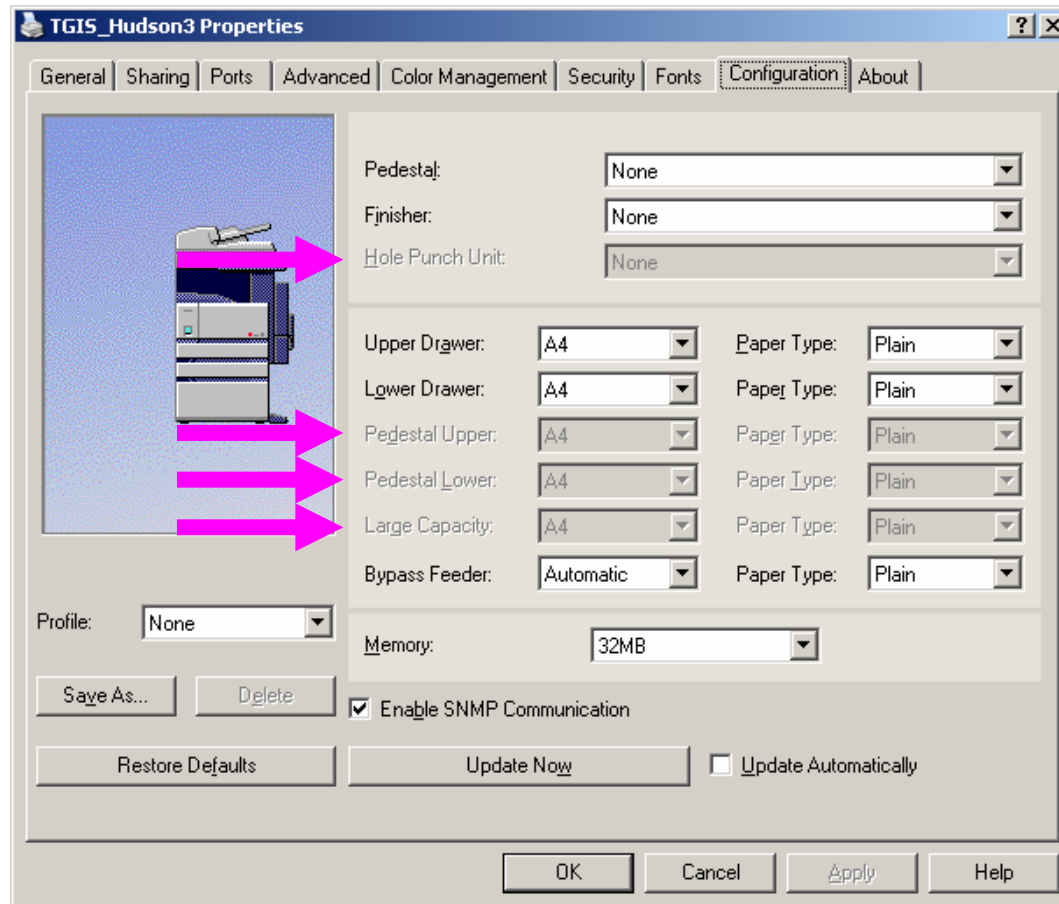
e Customisation workflow

- ➔ On request to TGIS only
- ➔ Workflow and prices have to be decided
- ➔ Information to come later



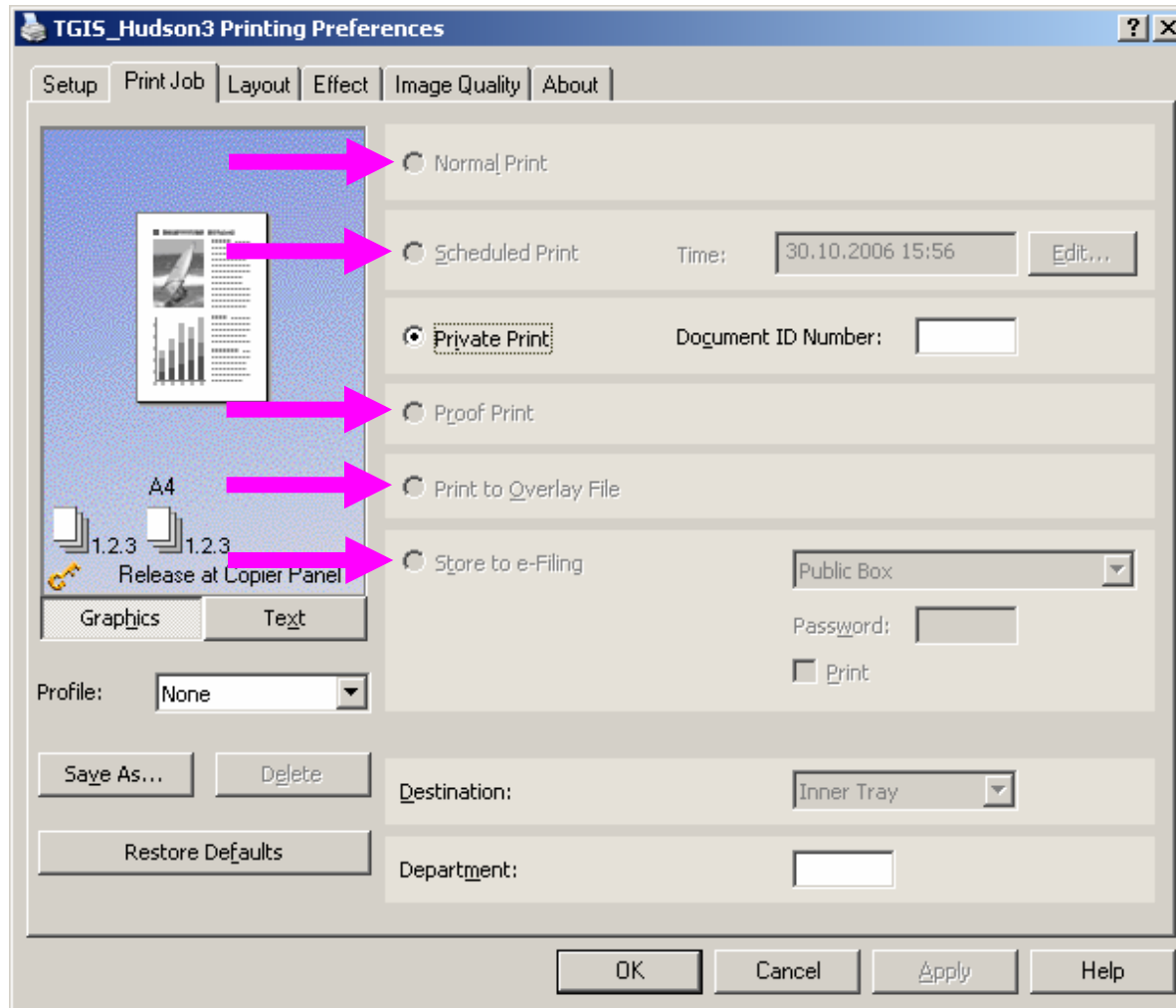
New printer driver: customisation

eEditing XML file:



New printer driver: customisation

eEditing XML file:



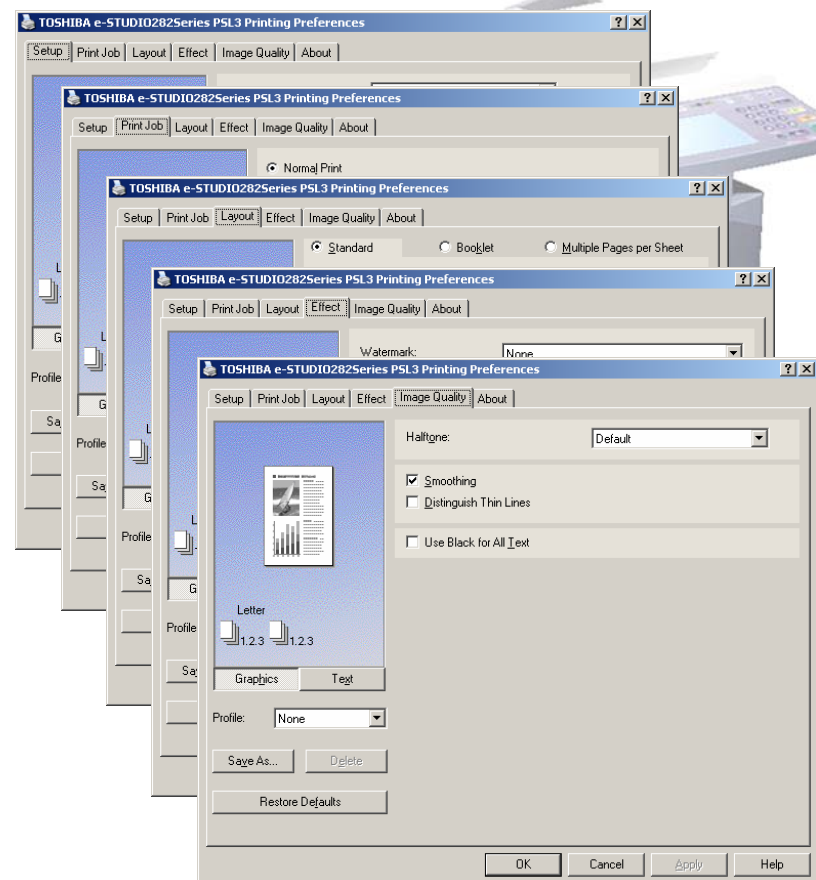
New printer driver: customisation

Editing Print Profiles

➡ Possible to change default settings for:

- Setup
- Print job
- Layout
- Effects
- Image Quality Tab

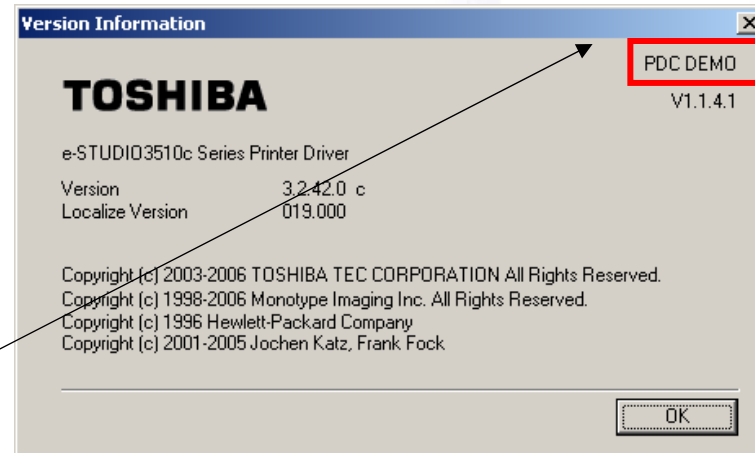
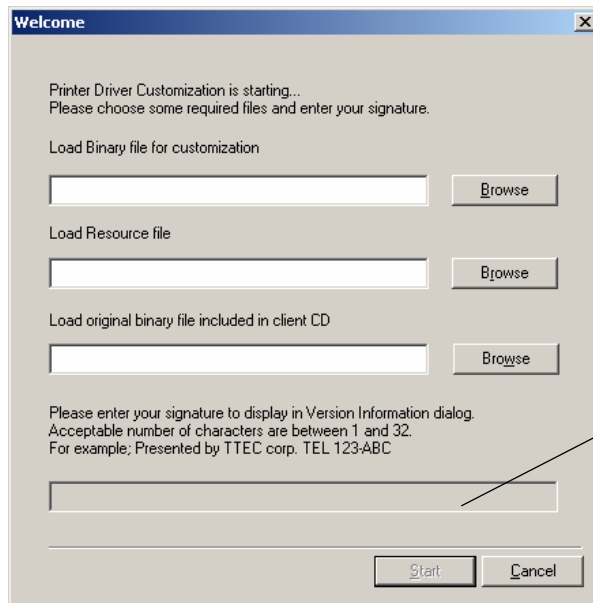
➡ XML customization is still needed for disabling functions and change the configuration tab.



New printer driver: customisation

Using the **PDC tool**:

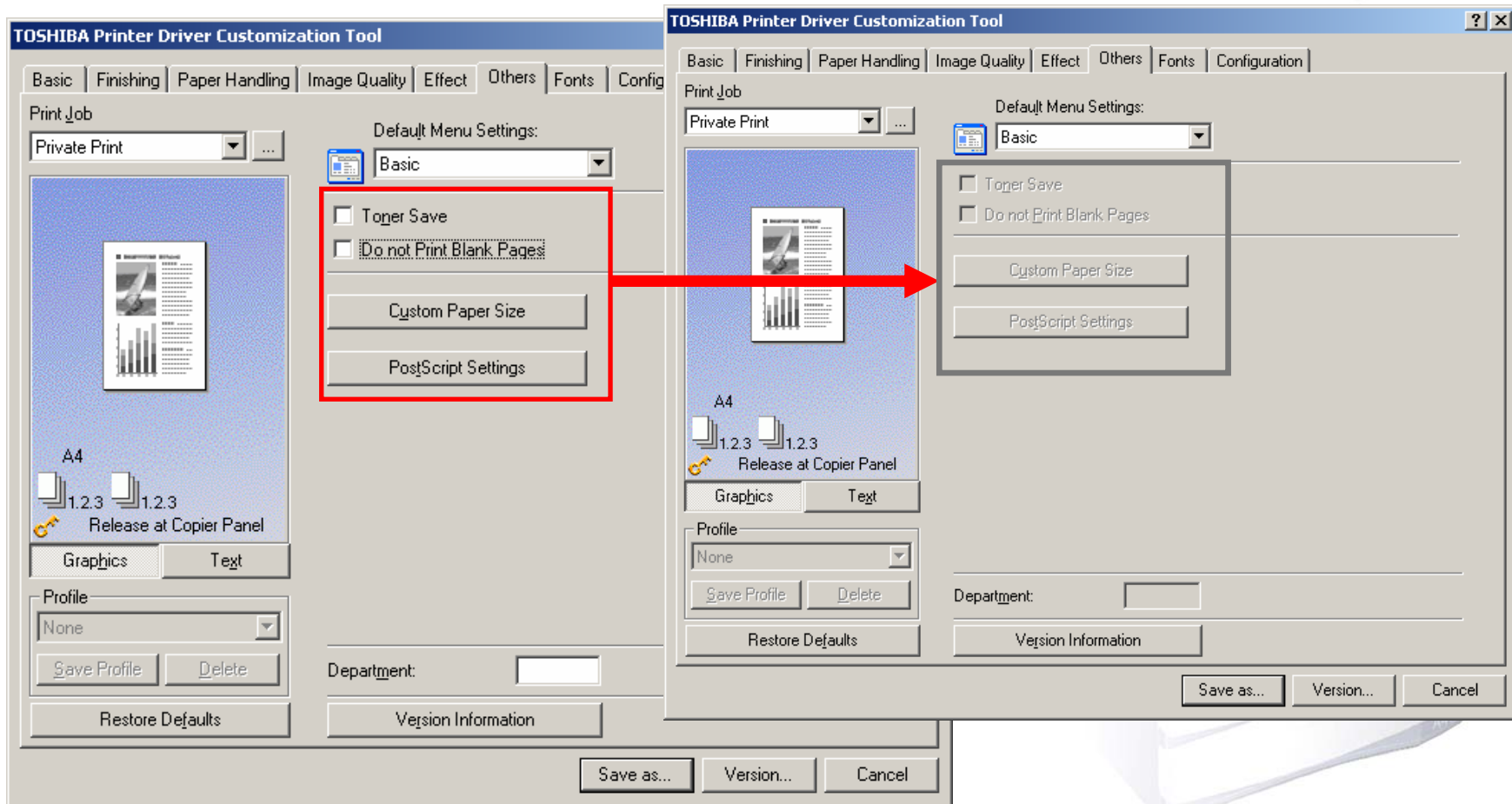
- ➡ Tool allowing to customise ~85% of the printer driver
 - Define selection fields
 - Changing default values
 - Enable/Disable functions (greyed out)



New printer driver: customisation

e Using the **PDC tool**:

➡ Enable/Disable functions



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Windows VISTA

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Live Meeting Poll

Question 1

**Could you please estimate the percentage of you
"Professional" customers who are already
equiped with VISTA!**

- **0 to 5%**
- **6 to 10%**
- **11 to 25%**
- **26 to 40%**
- **41 to 60%**
- **61 to 80%**
- **81 to 100%**

Changes directly made to this slide will not be displayed in Live Meeting. Edit this slide by selecting Properties in the Live Meeting Presentation menu.

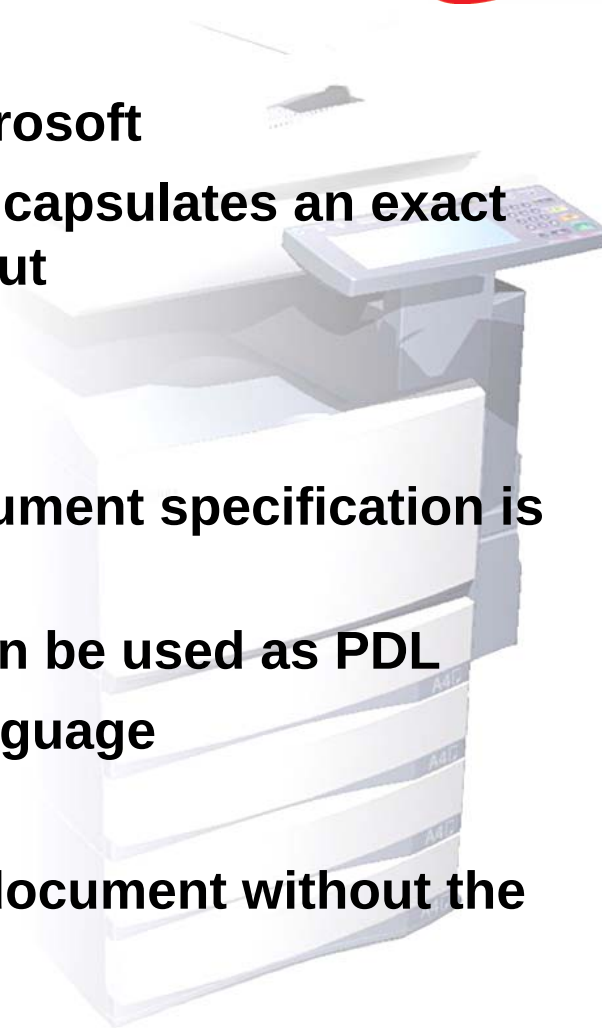
Vista support: XPS

What is XPS?



XPS (XML Paper Specification):

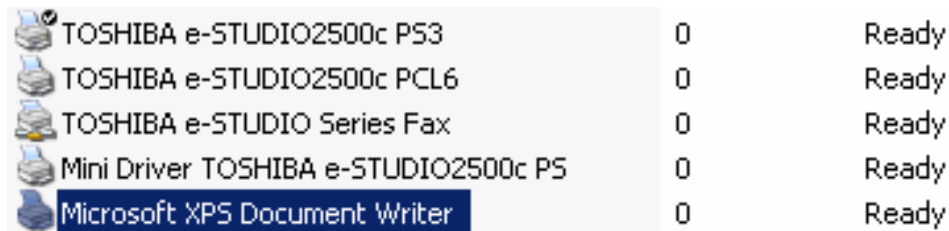
- New document format developed by Microsoft
- **Vector-based** document format which encapsulates an exact representation of the actual printed output
 - Independent from the device
 - Independent from the resolution
- **XPS is similar to PostScript** and the document specification is similar to **PDF**
- XPS is the native spooler in Vista and can be used as PDL
 - No conversion to a specific printer language
 - Better image quality
- XPS allows to Print/View and Archive a document without the original application



Vista support: XPS

How to create an XPS file:

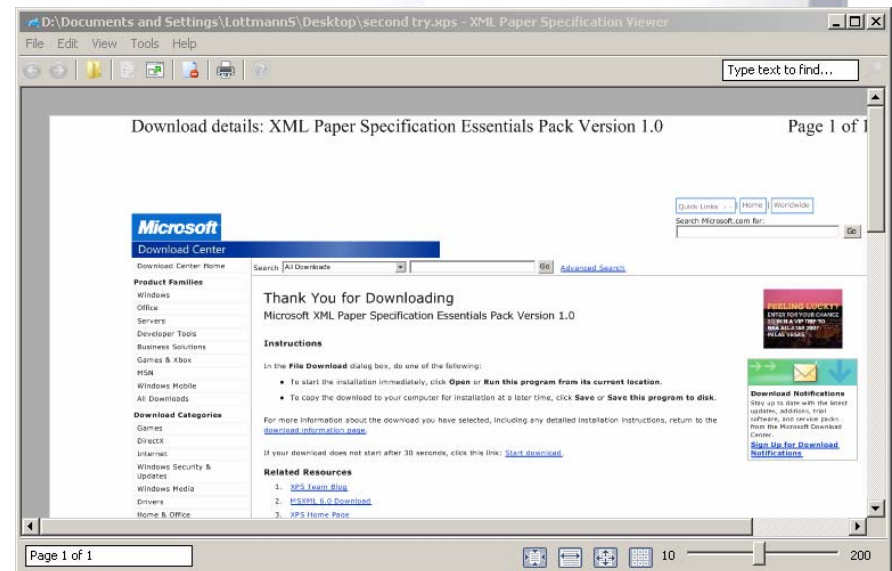
- ➔ Use Microsoft XPS document writer (FOC) in Windows VISTA
- Appears as a printer driver



TOSHIBA e-STUDIO2500c PS3	0	Ready
TOSHIBA e-STUDIO2500c PCL6	0	Ready
TOSHIBA e-STUDIO Series Fax	0	Ready
Mini Driver TOSHIBA e-STUDIO2500c PS	0	Ready
Microsoft XPS Document Writer	0	Ready

How to view an XPS document

- ➔ Use XPS Viewer
- Similar to Acrobat Reader



Vista support: XPS

e XPS format one-BRIDGE systems:



➡ e-BRIDGE v3.0:

- Scan to XPS (Create XPS files via the Scan function)

➡ e-BRIDGE v3.1 (Full Colour) and 3.2 (other e-BRIDGE model)

- XPS RIP with Toshiba printer driver



Vista support: Scan to XPS

e Save scan images in XPS format



Scan-to-File

2005.11.08 13:58

SCAN **SETTINGS**

SCAN TO FILE

FILE NAME: DOC051108

MFP LOCAL: \\MFP-04588563\FILE_SHARE\

REMOTE 1: \\10.151.133.134\smb\

REMOTE 2: \\10.151.133.134\to file f

FILE FORMAT: PDF TIFF JPEG **XPS**

MULTI/SINGLE PAGE: MULTI SINGLE

SECURITY: ON OFF

EDIT CANCEL ENTER

LT 2005.04.18 11:19

Press [START] to start scanning

SCAN **SETTINGS**

SCAN TO E-MAIL

E-MAIL TO: UI 05

E-MAIL CC: UI 01

SUBJECT: Scanned from MFP-00000190

BODY: [Scan To Email] from Denal

FILE NAME: DOC050418

FILE FORMAT: PDF TIFF JPEG **XPS**

MULTI/SINGLE PAGE: MULTI SINGLE

SECURITY: ON OFF

EDIT CANCEL ENTER Next

Scan-to-Email

Vista support: WSD

e What is WSD?



- ➔ WSD (Web Service Devices)
- ➔ New way for the devices to communicate in the network
- ➔ Concept:
 - Unification of IP and directly connected devices
 - Users should not have to care about the way to connect



Vista support: WSD

e Each device offering a Device Profile for Web Services (DPWS) can be handled via Vista WSD



Vista support: WSD

Advantages of WSD:

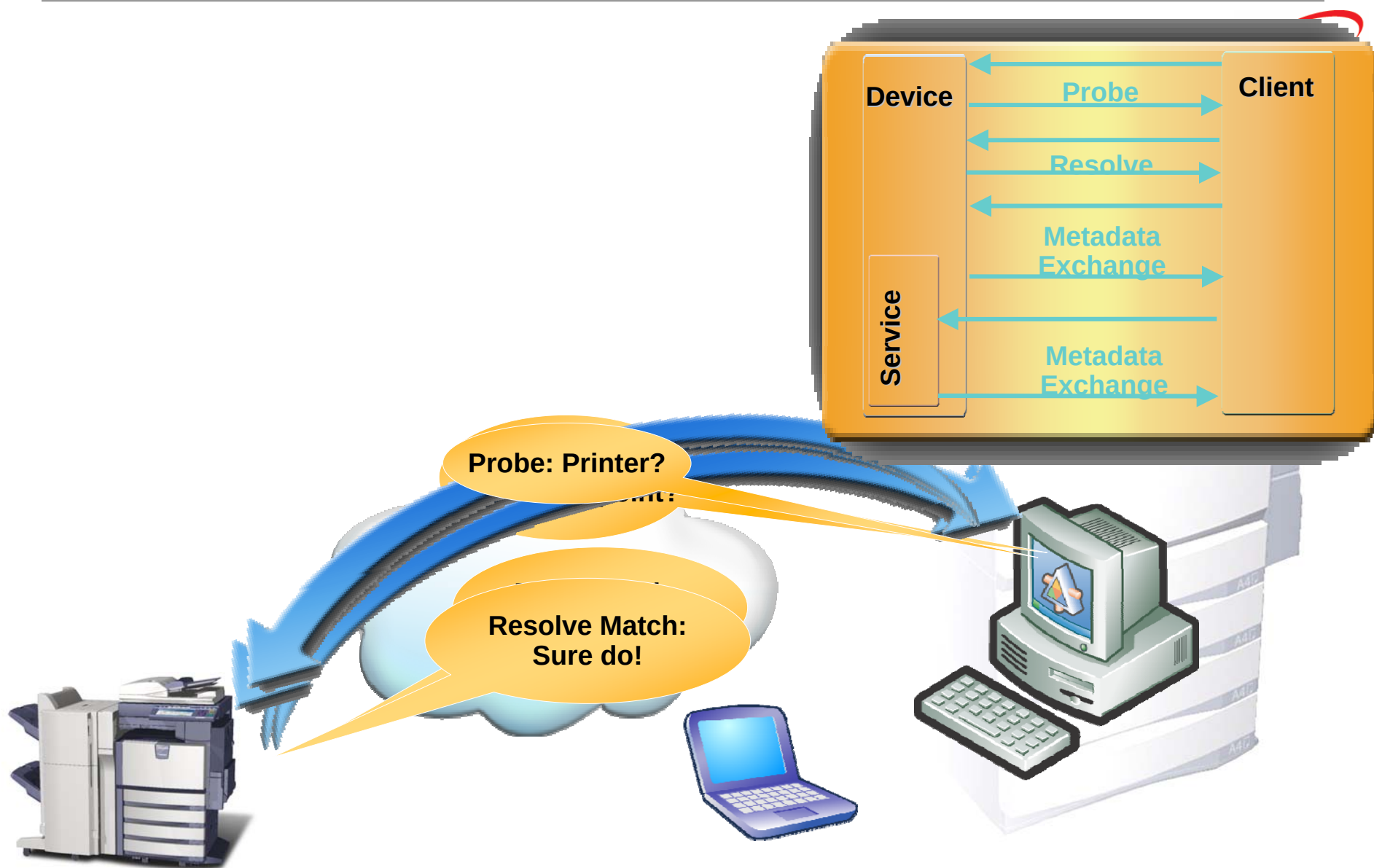
- ➔ WSD enables a kind of Plug&Play function «PnP-X» for DPWS compatible systems (similar to USB)
- ➔ When connecting the device: many services become available without any settings
 - E.g.: Discovery service
 - System can advertise itself and discover other devices

Good to know:

- ➔ Vista natively integrates DPWS
- ➔ DPWS is mandatory to obtain Basic/Premium Vista logo
- ➔ e-BRIDGE version 3.0 systems support DPWS (Print and Scan)

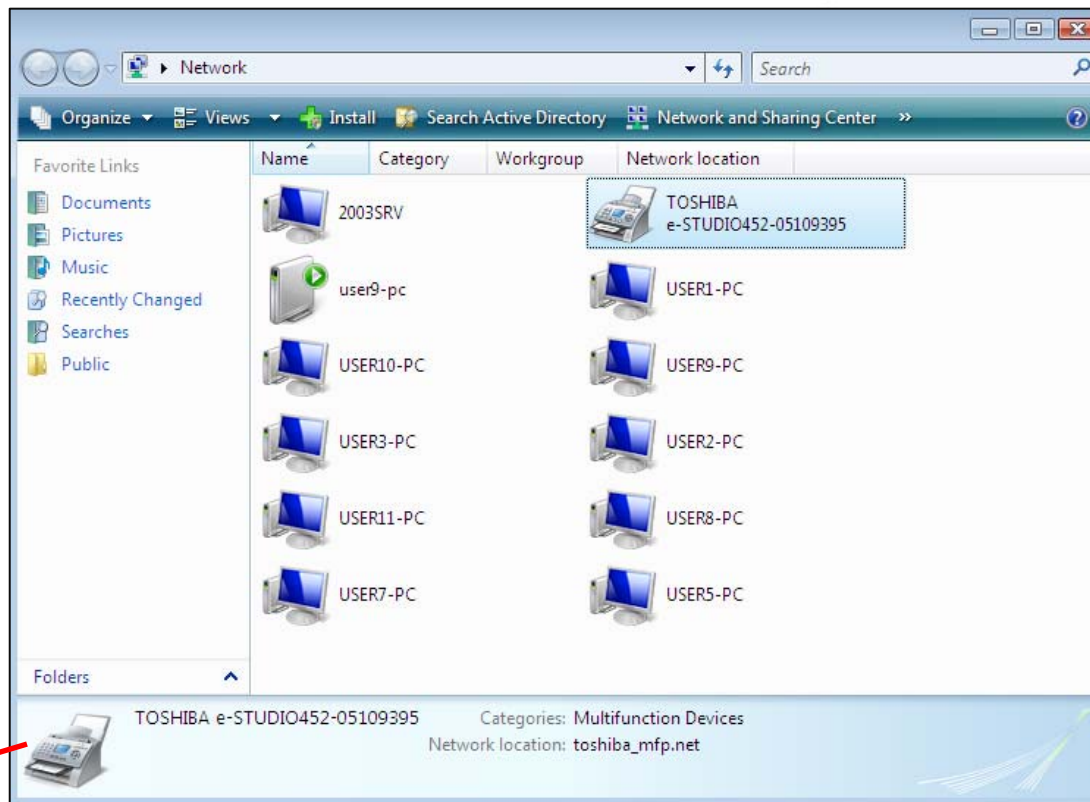
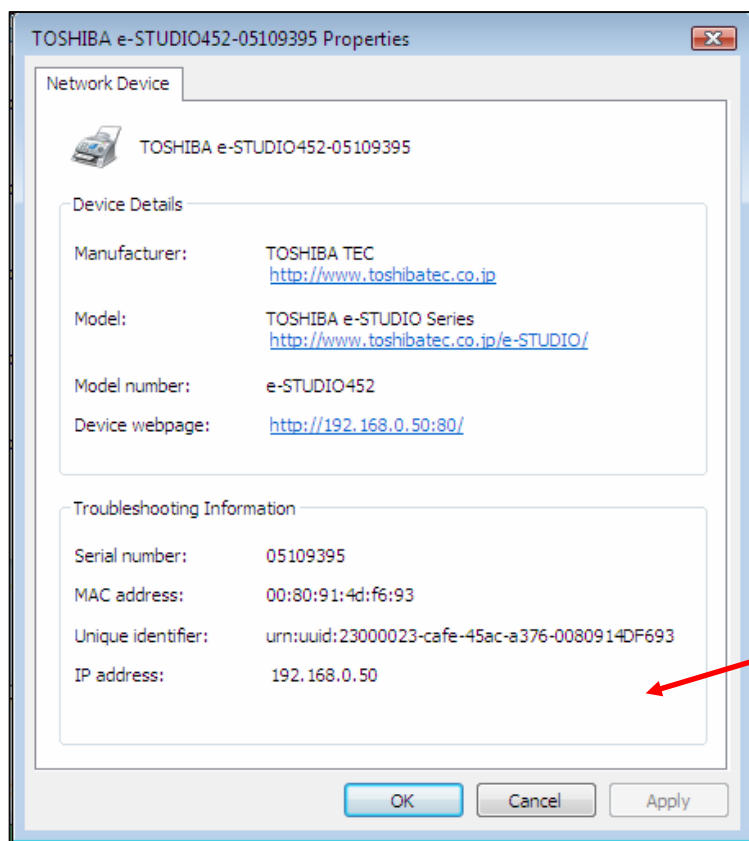


Vista support: WSD



Vista support: WSD - Print

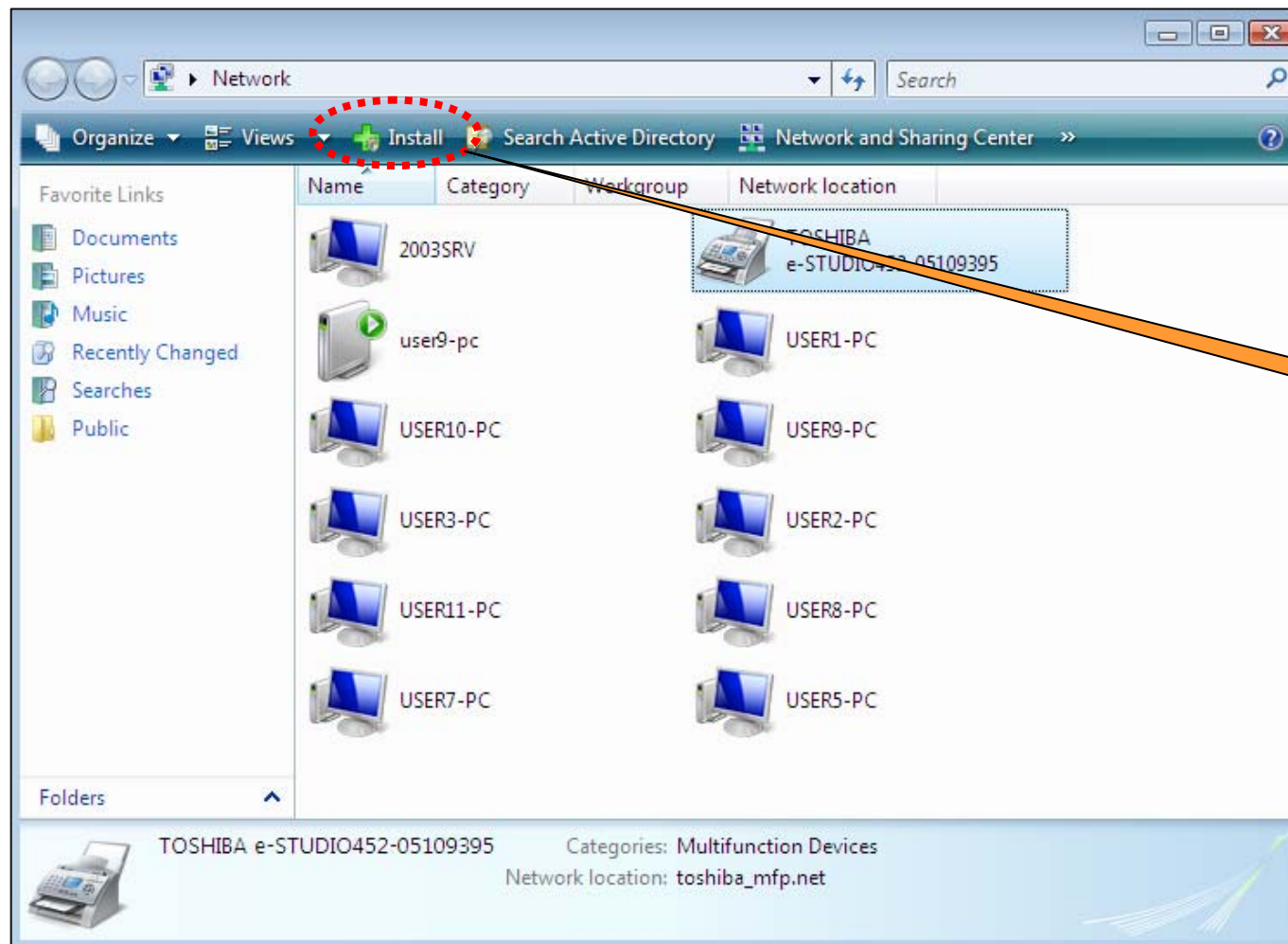
Network Connection of a Windows Vista computer and a Toshiba e-BRIDGE MFP



Discover a MFP device using WS-Discovery

Vista support: WSD - Print

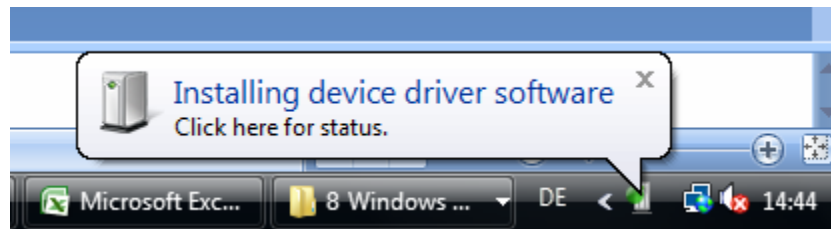
Installation: Printer driver from CD-ROM



install

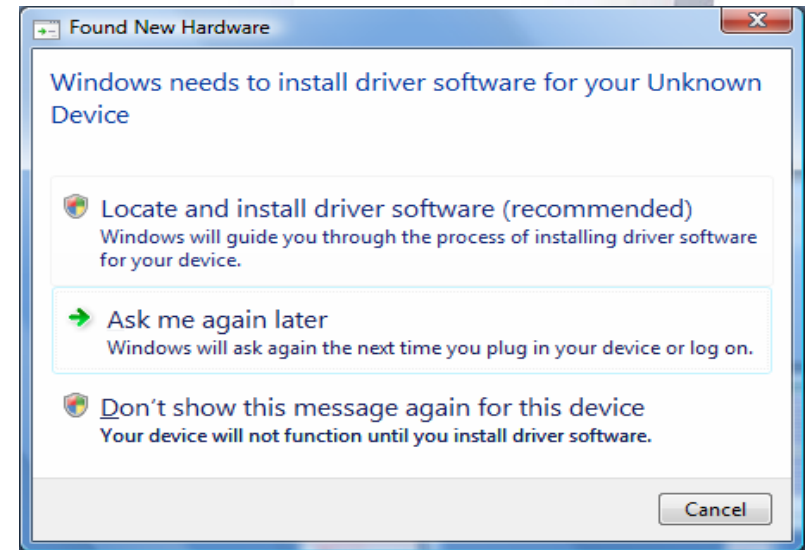
Vista support: WSD

e Vista indicates that it is installing the device driver



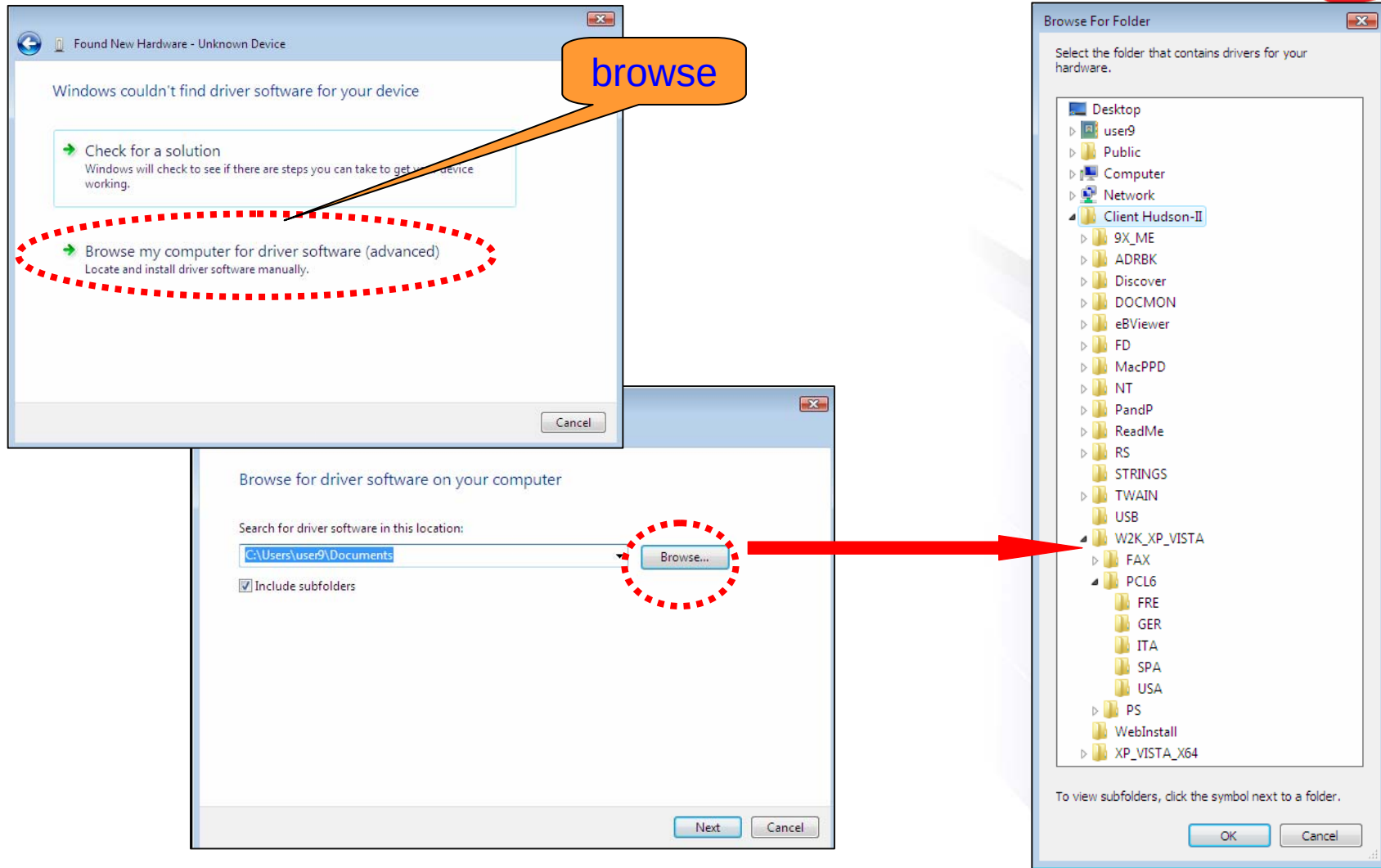
e Vista does not have our MFP driver

- ➔ Windows will ask for driver location
- ➔ Driver is stored in special „driver tank“



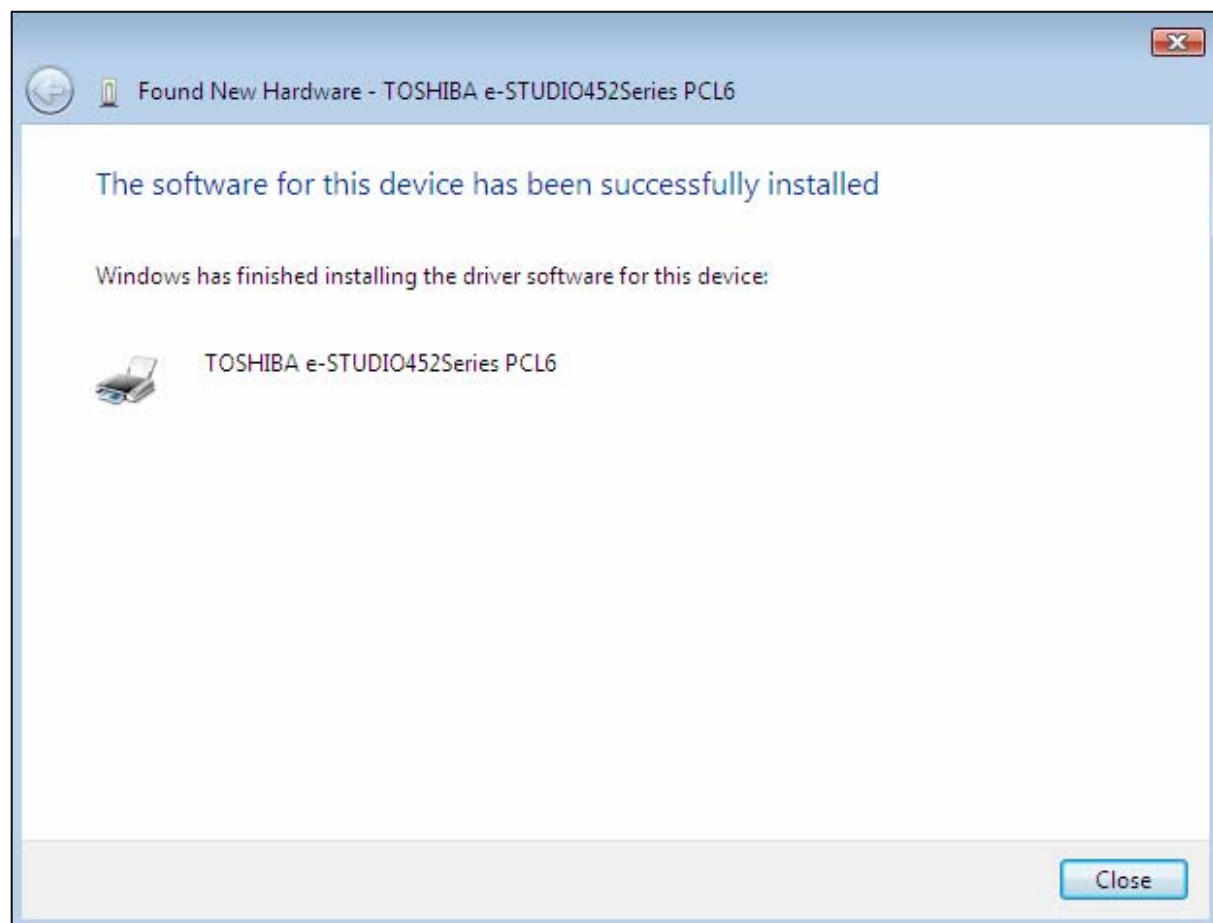
Vista support: WSD - Print

Browse for the printer driver



Vista support: WSD - Print

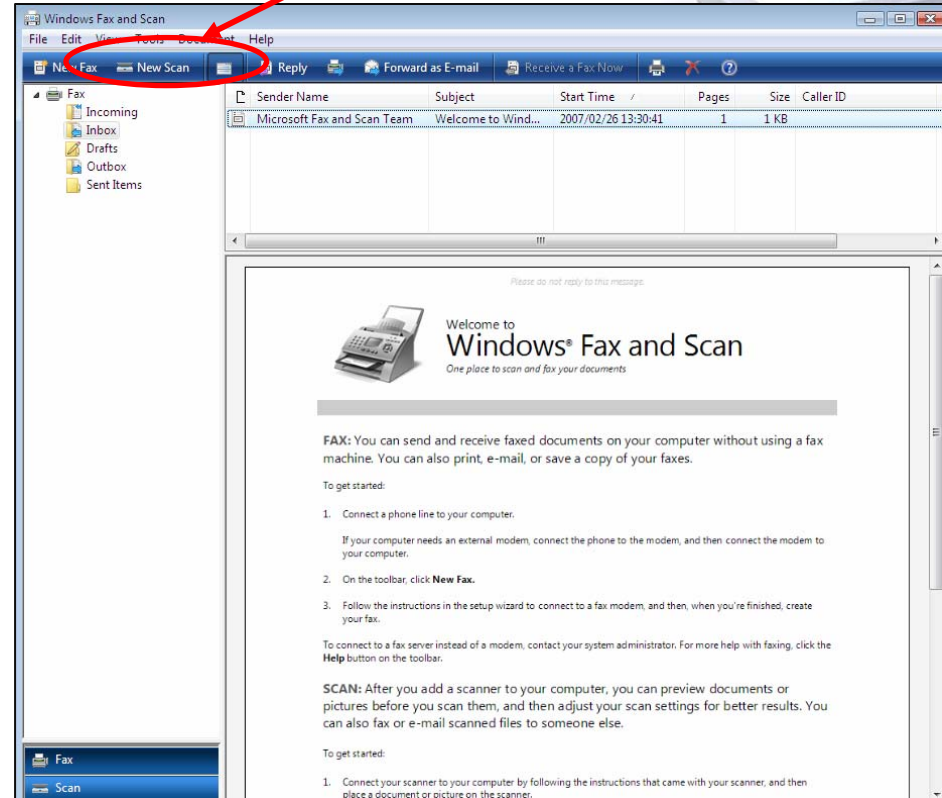
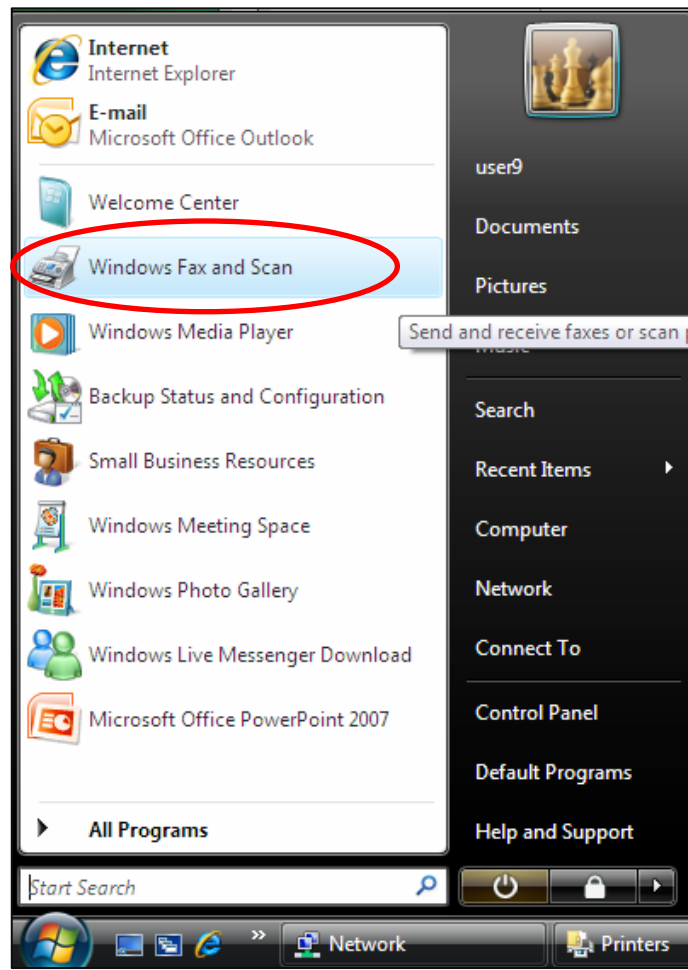
e Driver Software has been installed successfully using **BRIDGE**
Web Services for Devices



Vista support: WSD – Pull Scan

e Set the original documents on MFP

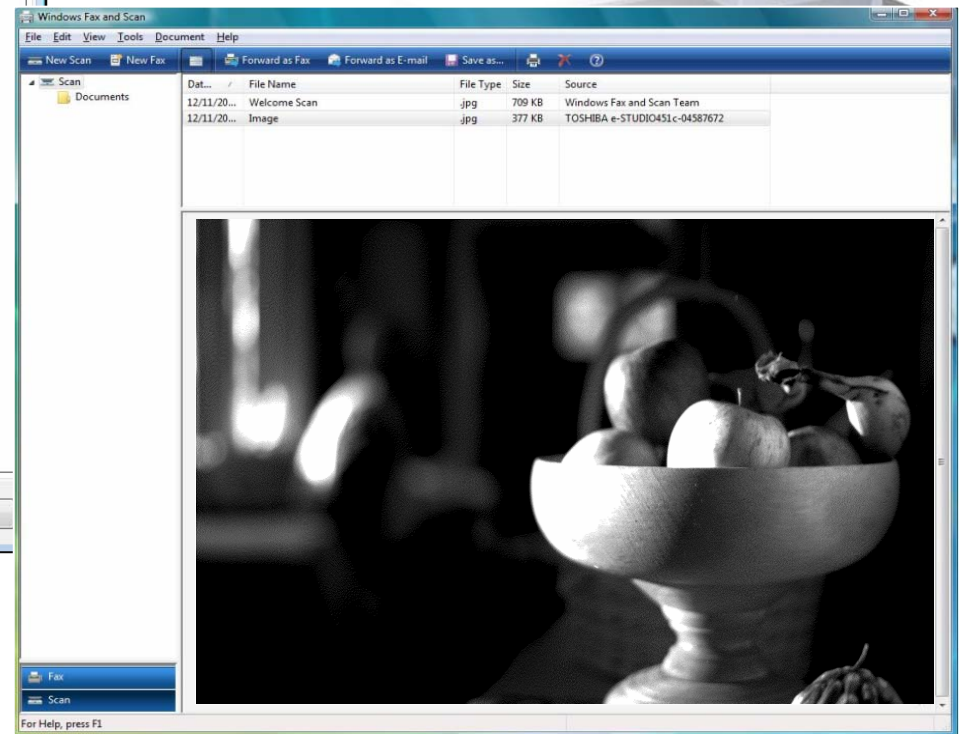
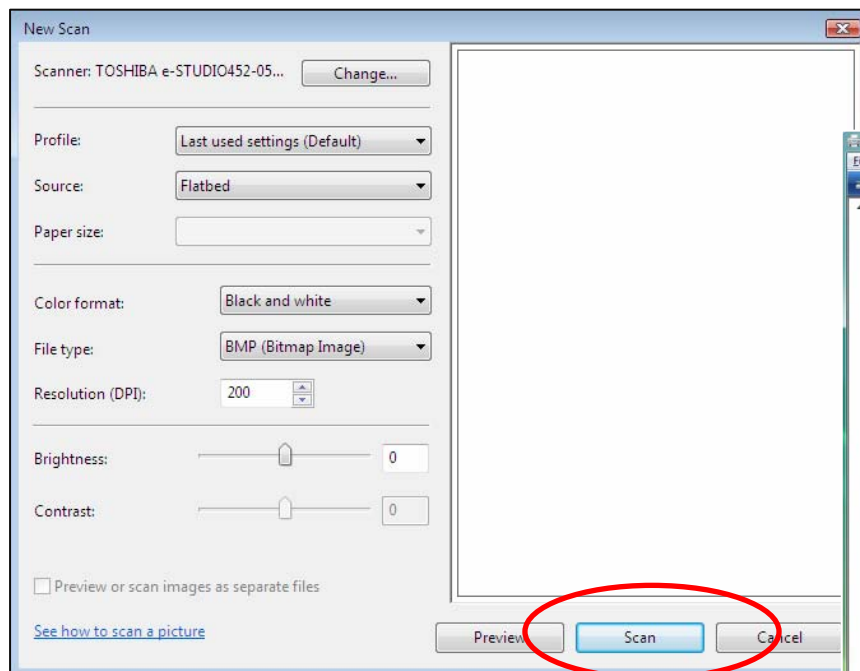
e Start up “Windows Fax & Scan”



Vista support: WSD – Pull Scan

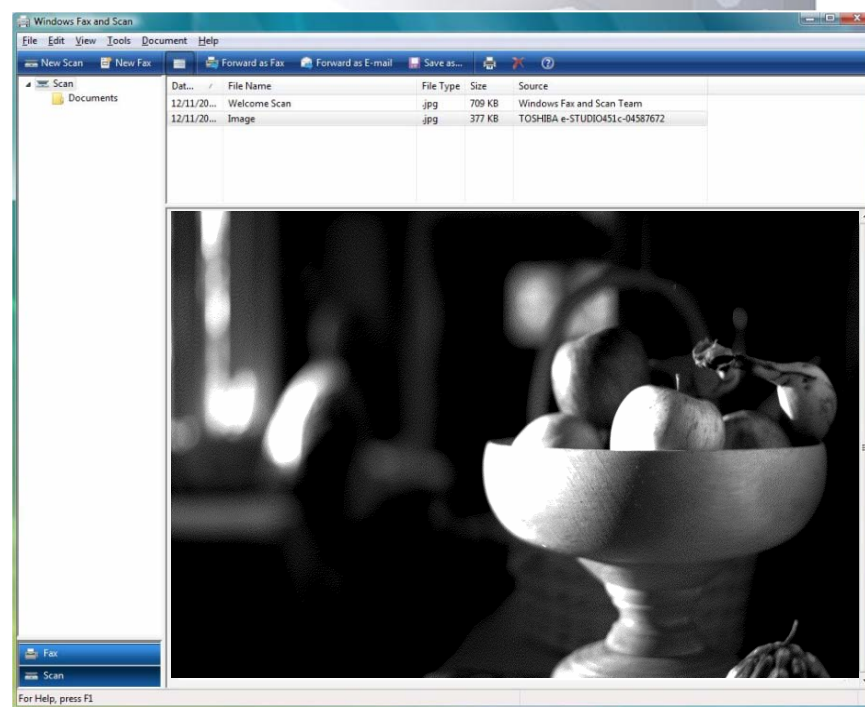
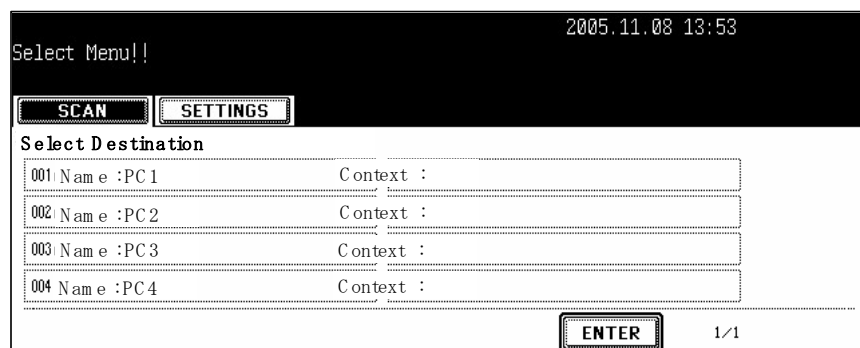
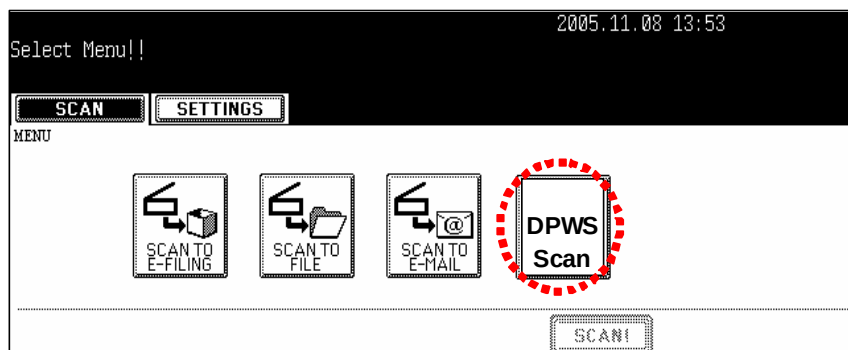
e Click the Scan button to execute

e An image is retrieved from Windows Fax & Scan



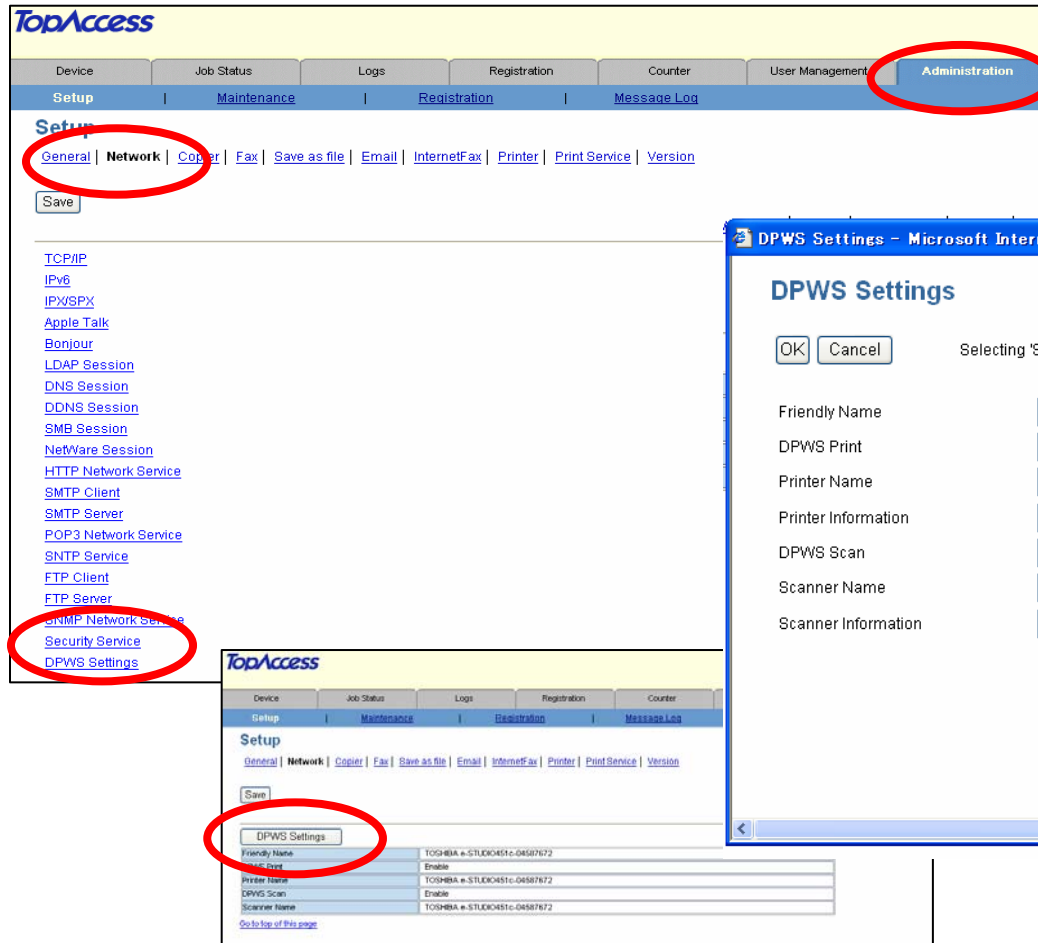
Vista support: WSD – Push Scan

- e** Set the original document on MFP
- e** Select “WS Scan” from control panel of MFP
- e** Select the desired destination
- e** The image is retrieved from “Windows Fax & Scan”



Vista support: WSD – TopAccess

Select the Network submenu and then click “DPWS Settings”



The screenshot shows the 'DPWS Settings' dialog box. It contains the following fields and options:

- OK Cancel buttons
- Message: Selecting 'Save' in the Main Window is required to Save the new settings.
- Friendly Name: TOSHIBA e-STUDIO451c-04587672
- DPWS Print: Enable (dropdown)
- Printer Name: TOSHIBA e-STUDIO451c-04587672
- Printer Information: (empty field)
- DPWS Scan: Enable (dropdown)
- Scanner Name: TOSHIBA e-STUDIO451c-04587672
- Scanner Information: (empty field)

Vista support: Print ticket

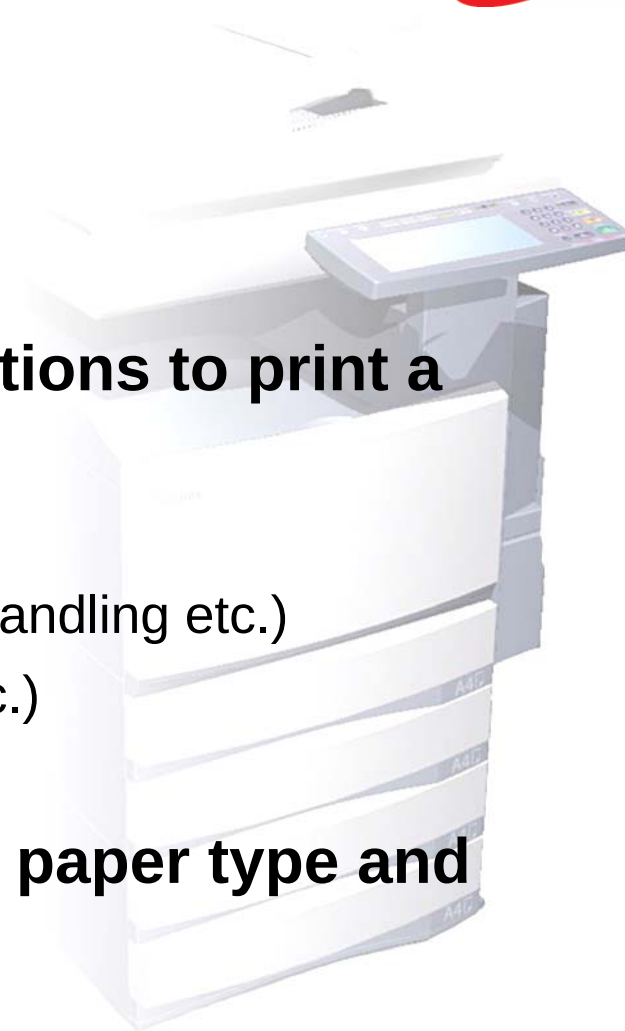
e XPS document format contains different kind of print tickets:

- ➔ JOB Tickets
- ➔ Document Tickets
- ➔ Page Tickets

e Print Tickets contain needed informations to print a document

- ➔ Security
- ➔ Job build information (target system, colour handling etc.)
- ➔ Document build information (font handling etc.)
- ➔ Page information (duplex etc.)

e e-BRIDGE v3.0 supports definition of paper type and size in print ticket.

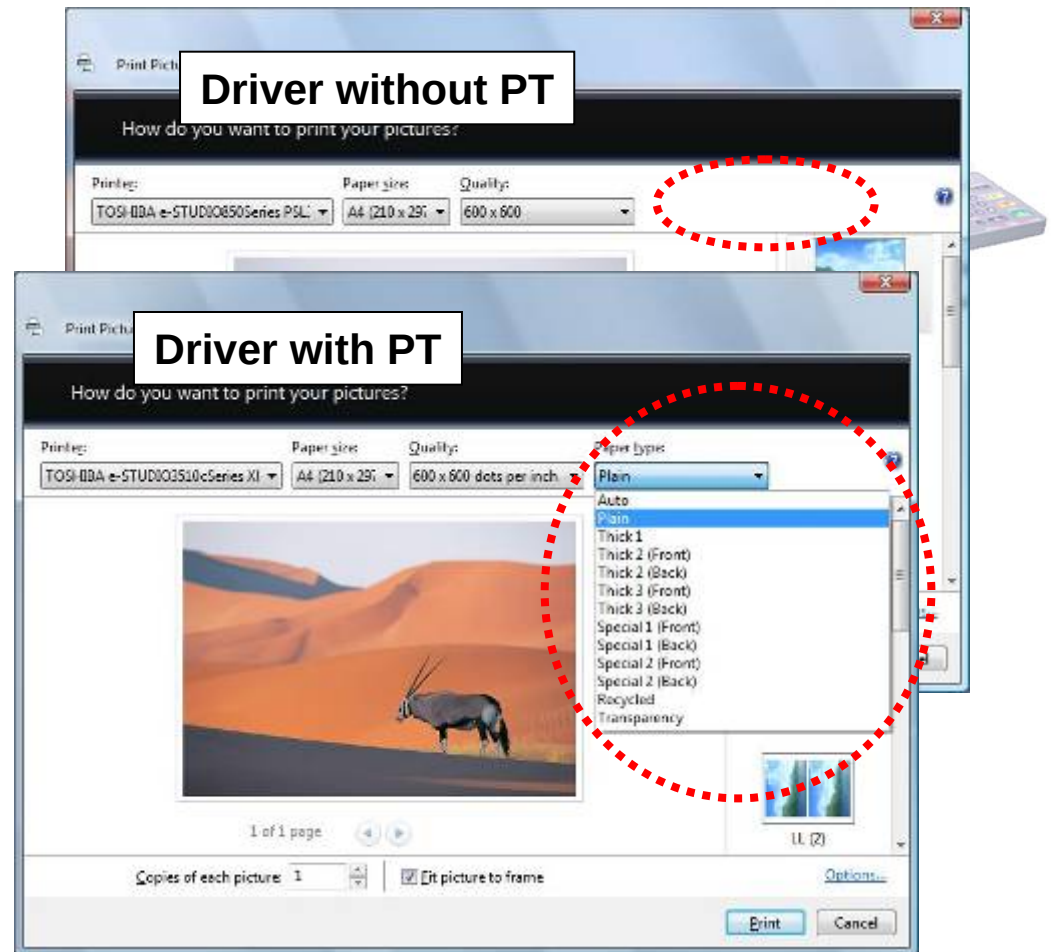


Vista support: Print ticket

e Select print options from the application
(available options depends on the application)



- ➡ No major application available so far
 - New York times reader
 - Windows Photo Gallery



Windows Photo Gallery
(Bundled with Vista)

Vista support: Basic/Premium Logo

What means the Windows Logo for hardware?

- ➔ The logo helps customers to identify systems and peripherals that meet a comprehensive definition of platform features and quality goals to ensure a great computing experience for end users.

Basic Vista Logo



Premium Vista Logo



Vista support: Basic/Premium Logo



e Premium logo I (without XPS path)

➡ Requires Print or print/Scan enabler and firmware v3.0:

- e-STUDIO232/282
- e-STUDIO352/452
- e-STUDIO520/600/720/850



e Basic logo

➡ Requires 512 MB RAM and firmware v3.0 to enable DPWS

- e-STUDIO281c/351c/451c



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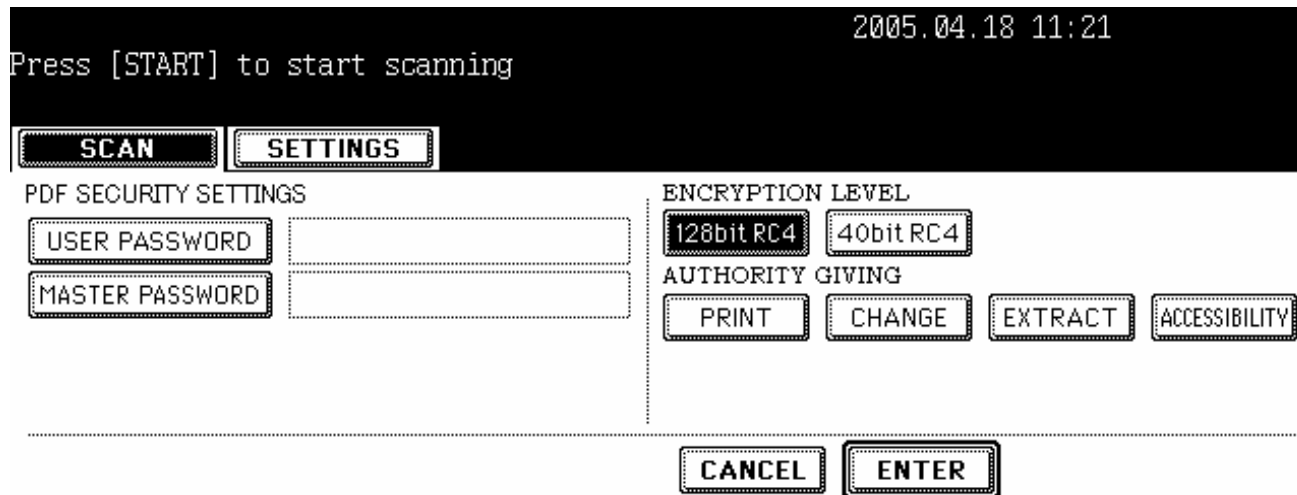
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New Scan functions



Scan to Secure PDF



2005.04.18 11:21

Press [START] to start scanning

SCAN **SETTINGS**

PDF SECURITY SETTINGS

USER PASSWORD

MASTER PASSWORD

ENCRYPTION LEVEL

128bit RC4 40bit RC4

AUTHORITY GIVING

PRINT CHANGE EXTRACT ACCESSIBILITY

CANCEL ENTER



Create automatically secure PDF via the Scan function

2 passwords: "Master Password" + "User Password"

- Master password: for changing security setting of Encrypted PDF documents
- User password: for opening encrypted PDF documents.
 - *User Password and Master Password should not be same.
 - *Digit number of User Password and Master Password should be 1 ~32.

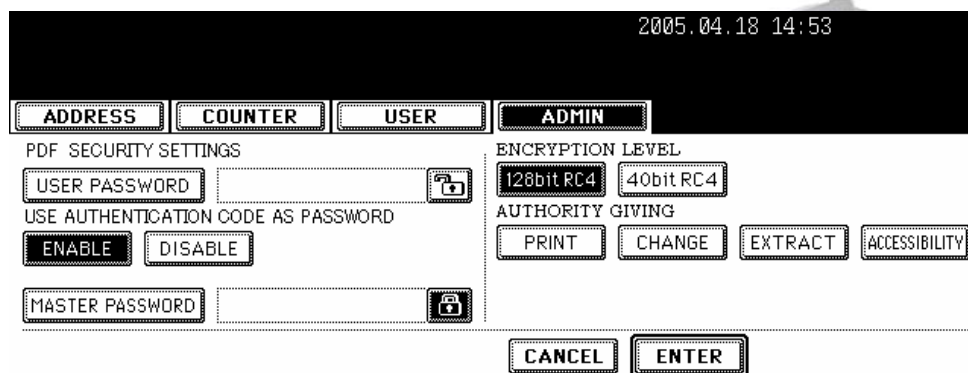
Scan to Secure PDF

Generate password protected PDF files



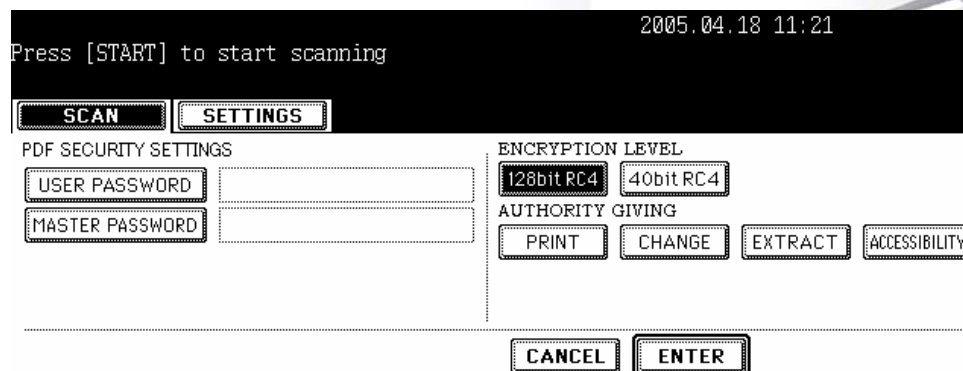
Admin settings

- ➔ Default Password
 - static or username
- ➔ Lock master password



User settings

- ➔ password
- ➔ Encryption level
- ➔ Authority properties



Scan to Secure PDF

Templates - Scan to Secure PDF



➡ Template Setting via TopAccess

Save as file Setting

Save

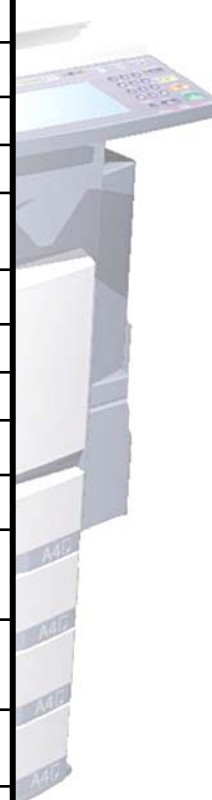
Cancel

File Format	PDF(Single) ▼	
Encryption	☒ Encryption	
	User Password	Retype Password
	Master Password	Retype Password
	Encryption Level	128-bit RC4 ▼
	Authority	
	☒ Printing	
	☒ Change of Documents	
	☒ Content Copying or Extraction	
	☒ Content Extraction for accessibility	

Scan to Secure PDF

Applied to	Scan to File	Yes
	Scan to e-Mail	Yes
	Scan to Box	No
	Copy & File	No
	Copy to Box, copy & Box	No
	Print to Box, Print & Box	No
	Send FAX/ iFAX & File	No
	PC send FAX/ iFAX & File	No
	Received FAX/ iFAX to File	Yes
	Received FAX/ iFAX to e-Mail	Yes
	Received FAX/ iFAX to Box	No
	Box to e-Mail	Yes
	Box File Downloader (client)	No
	Box File Downloader (Web)	No
	Remote scan (Twain)	No
	Remote scan (DPWS)	No
Template	Template Job	Yes
Color Mode	Full color	Yes
	Gray scale	Yes
	B/W	Yes

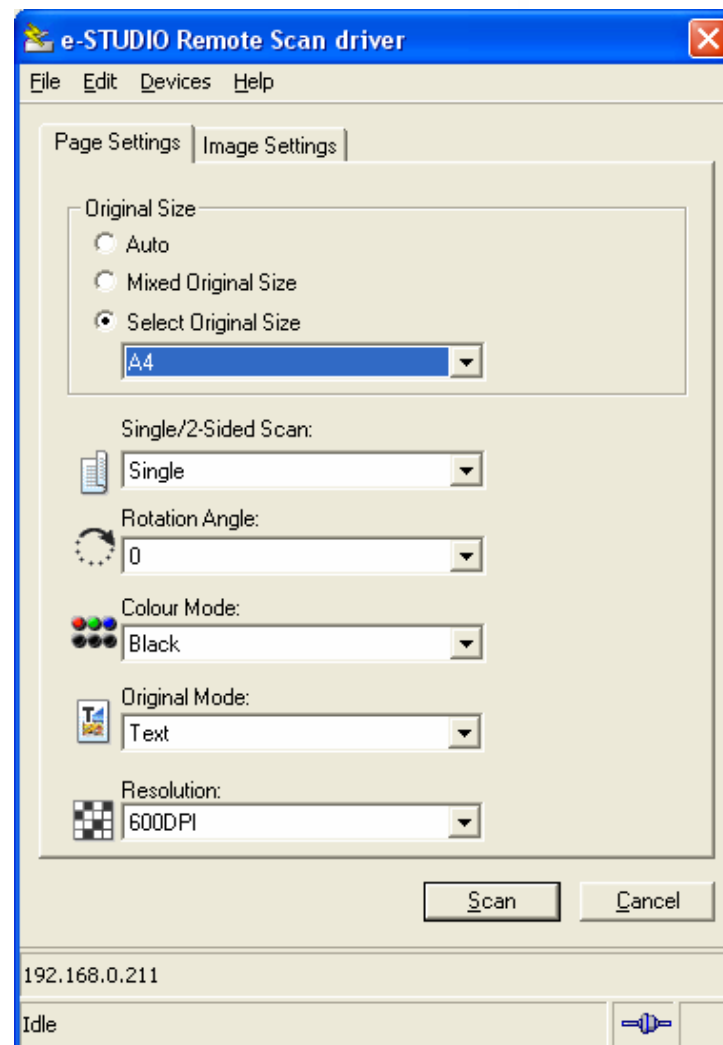
Page Number	1,000 pages All e-BRIDGE models except: e-STUDIO520/600/720/850 2,000 pages	
File Format	PDF Multi Page	Yes
	PDF Single Page	Yes
	Slim PDF - Multi Page	No
	Slim PDF - Single Page	No
Security Option	No security	Yes
	Security of password	Yes
	Security of Digital ID	No
	Adobe Policy Server	No
password	User password	Yes
	Master password	Yes
encryption	40-bit RC4 (Acrobat 3.0 PDF v1.1)	Yes
	128-bit RC4 (Acrobat 5.0 PDF v1.4)	Yes
	High 128-bit RC4 (Acrobat 6.0 PDF v1.5)	No
	128-bit AES (Acrobat 7.0 PDF v1.6)	No
File size	Color/ Gray scale/ B&W A4 200dpi / Normal PDF	Almost same



TWAIN 1.7 support

Real remote Scanning by default supported

- ➔ Via WSD
- ➔ Via new Remote Scan driver
 - real TWAIN* 1.7
 - Applications which had problems (like Imaging) now work correctly
 - MFP panel will indicate that remote scanning operation is working



***Technology Without An Interesting Name**

Remote Scan with Department Codes

e Remote scan driver supports Department Codes



➡ Selectable through service code

A screenshot of a software dialog box titled 'Department Code'. It contains the text 'Please enter the Department Code :', a text input field, and two buttons labeled 'OK' and 'Cancel'.

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Role Based Access Control



Role Based Access Control

e Fully redesigned Role Based Access Control:



- ➔ Guest Account
 - Use device without login
- ➔ Role Mapping
 - Use RBAC without server modification
- ➔ RBAC setup improvement
 - Easier LDAP setup



RBAC - Guest Account

Use the system without login

➔ Functionalities defined by administrator



2067.02.15 05:49

USER AUTHENTICATION ▶ Key in the user name and password. Press ENTER

USER NAME	
PASSWORD	
DOMAIN	

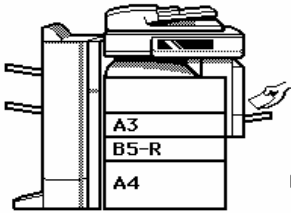
GUEST

ENTER

100 % 1 APS 2005.11.08 10:43

READY

BASIC IMAGE EDIT E-FILING/FILE SETTINGS

 FULL COLOR BLACK AUTO COLOR ZOOM 100% ORG. → COPY APS SORT TEXT

A3 B5-R A4 1 → 1 SIMPLEX

PROOF COPY

Login with "Guest" key

User Authentication Setting - Microsoft Internet Explorer

User Management Setting

Cancel Next

Guest ACL Settings

- ☐ Enable Copy
- ☐ Enable Email
- ☐ Enable File Share
- ☐ Enable Internet Fax
- ☐ Enable Print
- ☐ Enable e-Filing Box
- ☐ Enable Fax
- ☐ Enable Color Print

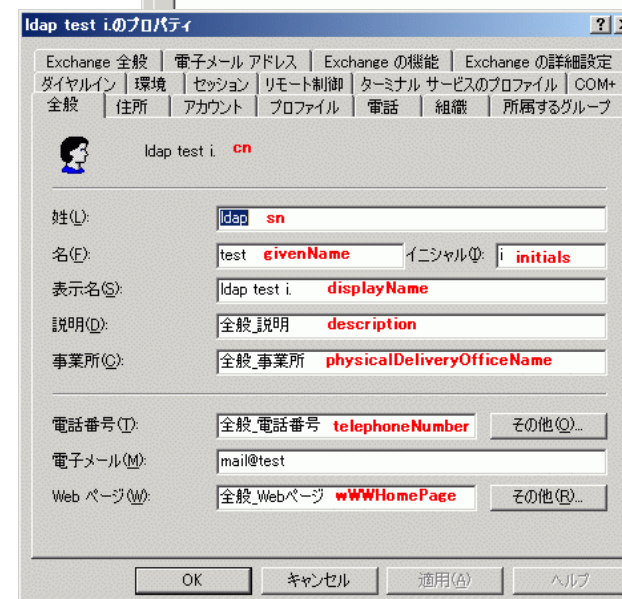
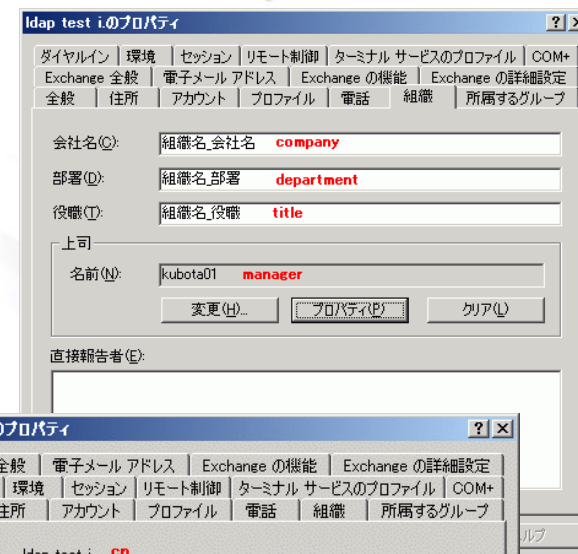
Admin can define guest permissions

RBAC – Role Mapping

RBAC without modifying the customer LDAP/AD server



- ➡ Reuse existing LDAP/AD attributes
 - Ex. department, title, company, office name
 - Map LDAP attributes to MFP Roles
- ➡ Benefits
 - Easy setup
 - No LDAP modification
 - Less LDAP updates
 - Role gets updated when default LDAP entries are updated
Ex. Promotion
 - Customer specific LDAP entry can be used



RBAC – Role Mapping

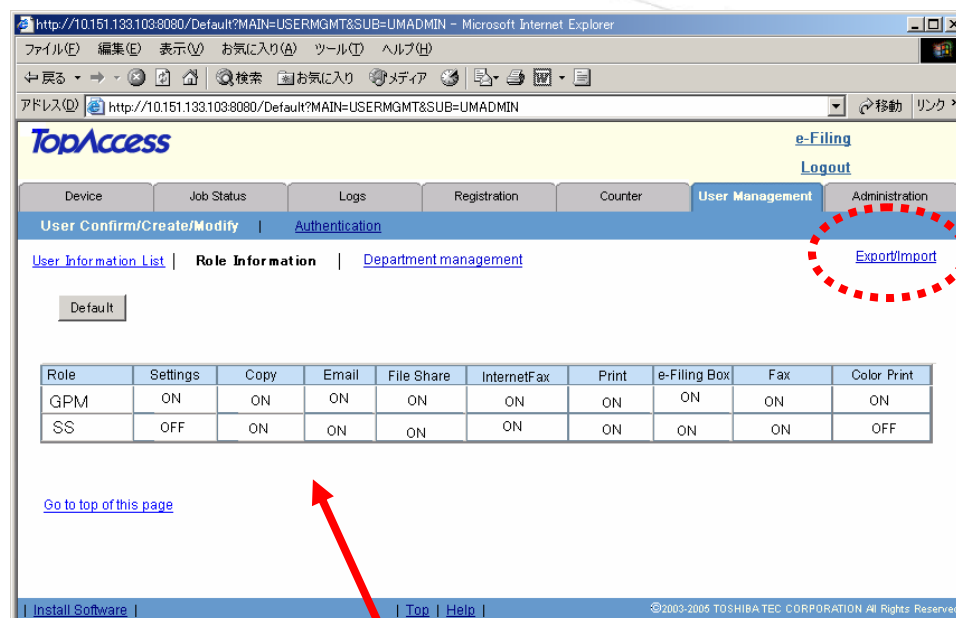
e Set-up



```
<RoleBasedAccessControl>
  <Version>1.0</Version>
  <RoleSetting>
    <RoleSet>
      <Attribute>department</Attribute>
      <AttributeValue>ITDept</AttributeValue>
      <Role>Administrator</Role>
    </RoleSet>
  </RoleSetting>
  <ACLSetting>
    <ACLSet>
      <Role>Administrator</Role>
      <Permit>Copy</Permit>
      <Permit>Print</Permit>
      <Deny>FileSave</Deny>
      <Deny>Box</Deny>
      <Permit>EMailSend</Permit>
      <Permit>iFaxSend</Permit>
      <Permit>FaxSend</Permit>
      <Permit>RegistSetting</Permit>
      <Permit>Color</Permit>
    </ACLSet>
  </ACLSetting>
</RoleBasedAccessControl>
```

Role Table

Permission Table



TopAccess shows currently existing Roles on MFP

Role settings done through XML setting file

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Other changes



IPv6 support

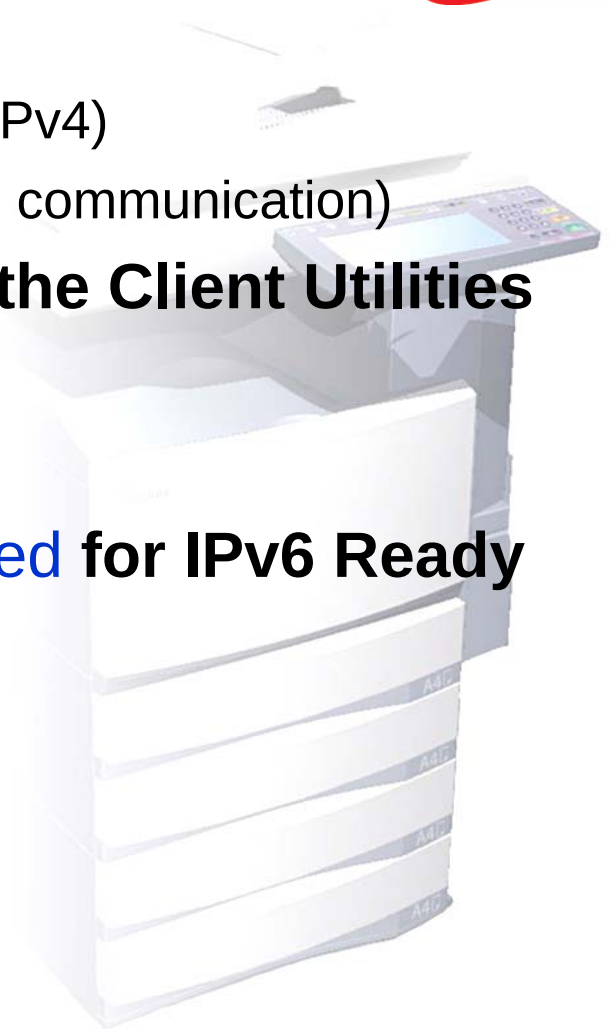
e IPv6 is supported as a new **network protocol** for the MFP

- ➔ 128-bit addresses instead of 32-bit addresses (IPv4)
- ➔ Enhanced security: IPSec standard (encrypted communication)

e The driver/utility software included in the **Client Utilities CD** supports IPv6 for Windows Vista

e Dual Stack IPv6/IPv4 implementation

e Our products have already been **certified** for IPv6 Ready Logo Phase 1



IPv6 support

Available for

-  LPR/LPD
-  FTP
-  HTTP
-  SMTP
-  POP
-  SNTP
-  Raw TCP Print
-  SNMP
-  SMB
-  LDAP
-  DNS



Setup

[General](#) | **[Network](#)** | [Copier](#) | [Fax](#) | [Save as file](#) | [Email](#) | [InternetF](#)

[TCP/IP](#)
[IPv6](#)

IPv6

Selecting 'Save' in the Main Window is required to Save the new settings.

IPv6

Enable IPv6 Enable ▾

Link Local Address

☒ Manual

IP Address

Prefix Length

Default Gateway

☐ Use DHCPv6 Server for options

☐ Auto Configuration

☒ Use Stateless Address

☐ Keep Configuration(If router setting is changed)

☐ Use DHCPv6 Server for IP Address(M flag)

☐ Use DHCPv6 Server for options(O flag)

PING / Traceroute

e Network connectivity check to: LDAP server, mail server, etc (at machine set-up / network issue)



- ➔ Administrator and Service person can check the N/W connectivity by PING/ Traceroute
- ➔ Functions available at the MFP control panel

2005.04.18 14:32

ADDRESS COUNTER USER ADMIN

PING/TRACEROUTE

Server	IP Address
Manual Input	
SMTP Server	10.151.140.8
LDAP Server 1.	10.151.133.131
DNS Server	157.69.161.22

RETURN

PING TRACEROUTE

2006.05.16 13:39

ADDRESS COUNTER USER ADMIN

10.151.100.1	1	OK
10.151.101.1	2	OK
10.151.102.1	3	OK
10.151.103.150	4	OK

RETURN

1/2 Next

New password input method

e No possibility for the password to be saved:

- ➔ Private Print
- ➔ Print with Access codes
- ➔ Print to Box

e Password input is required for each job

e Additional security

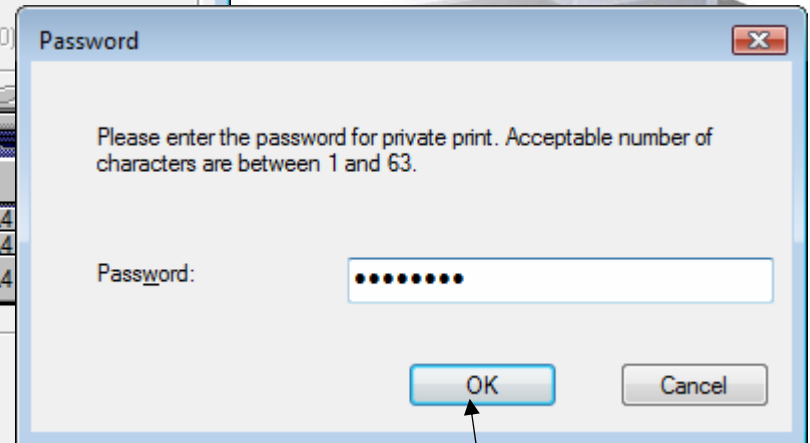
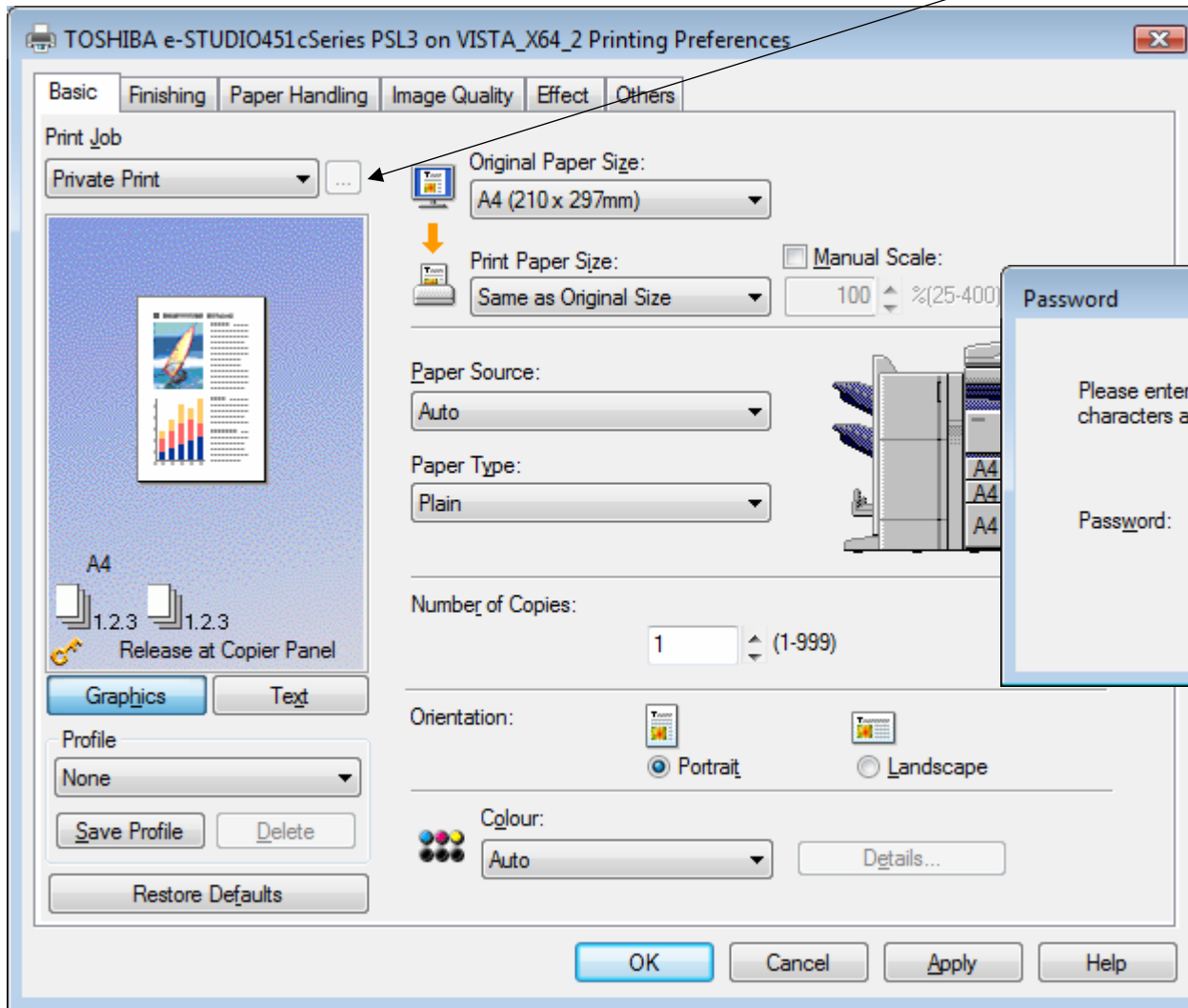
e Requirement for VISTA logo compatibility

- requirement (*IMAGING-0025*)



Changing password input method

Always disabled!
Impossible to
save a password.

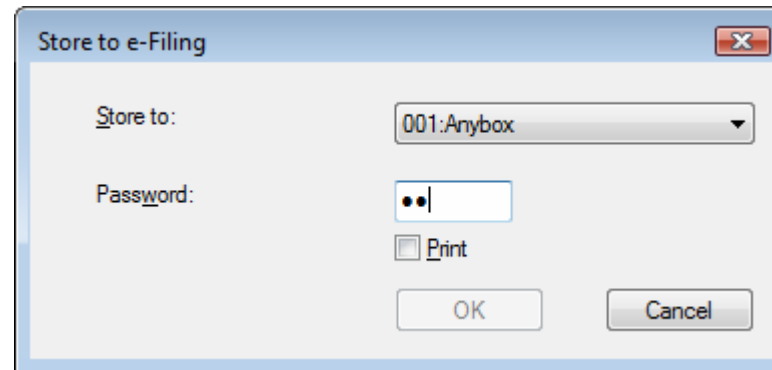


Every time a private
Print Job is proceeded,
the password will be
asked.

Changing password input method

ePrint to Box procedure.

- ➡ Impossible to store the password, as it was before

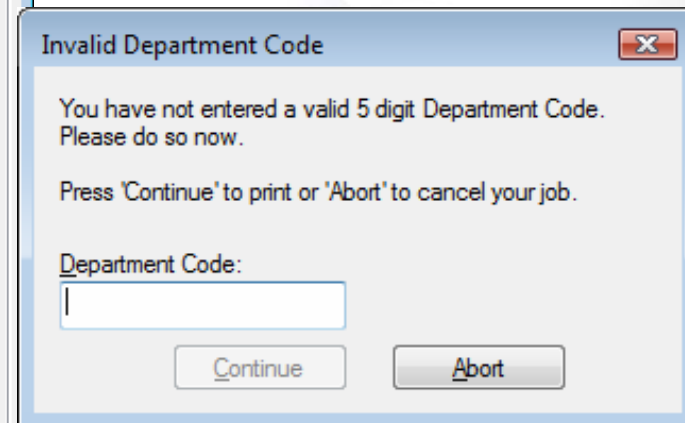
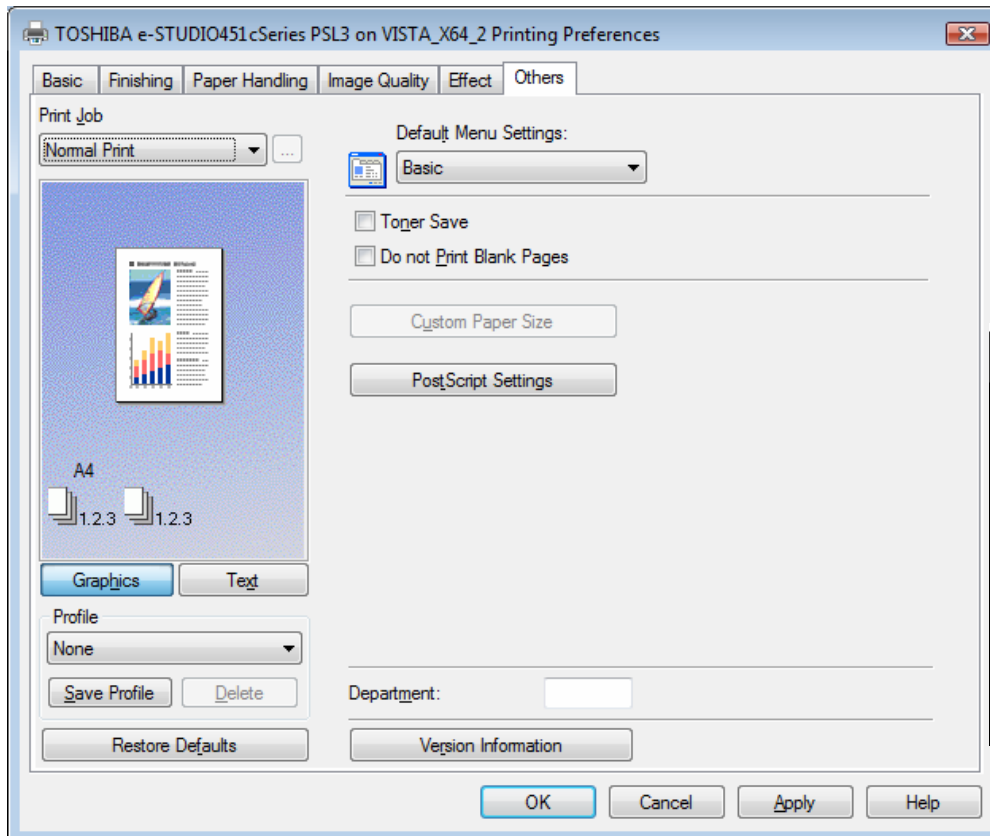


Changing password input method

Print with department code



➡ User must enter department code for every print job



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End of part 1...



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Part 2: e-BRIDGE ID-Gate



e-BRIDGE ID-Gate - Concept

e Providing Contactless card readers for existing cards:

- ➔ Mifare
- ➔ HID

e Users advantages:

- ➔ Saving time at the MFP, using cards to authenticate
- ➔ Easy and Secure authentication
- ➔ System access control

e Target:

- ➔ Tender business
- ➔ Big companies, administrations
- ➔ Universities, schools



e-BRIDGE ID-Gate - Concept

e e-BRIDGE ID-Gate is controlled by the e-BRIDGE controller



➡ Proprietary system able to handle e-BRIDGE functions:

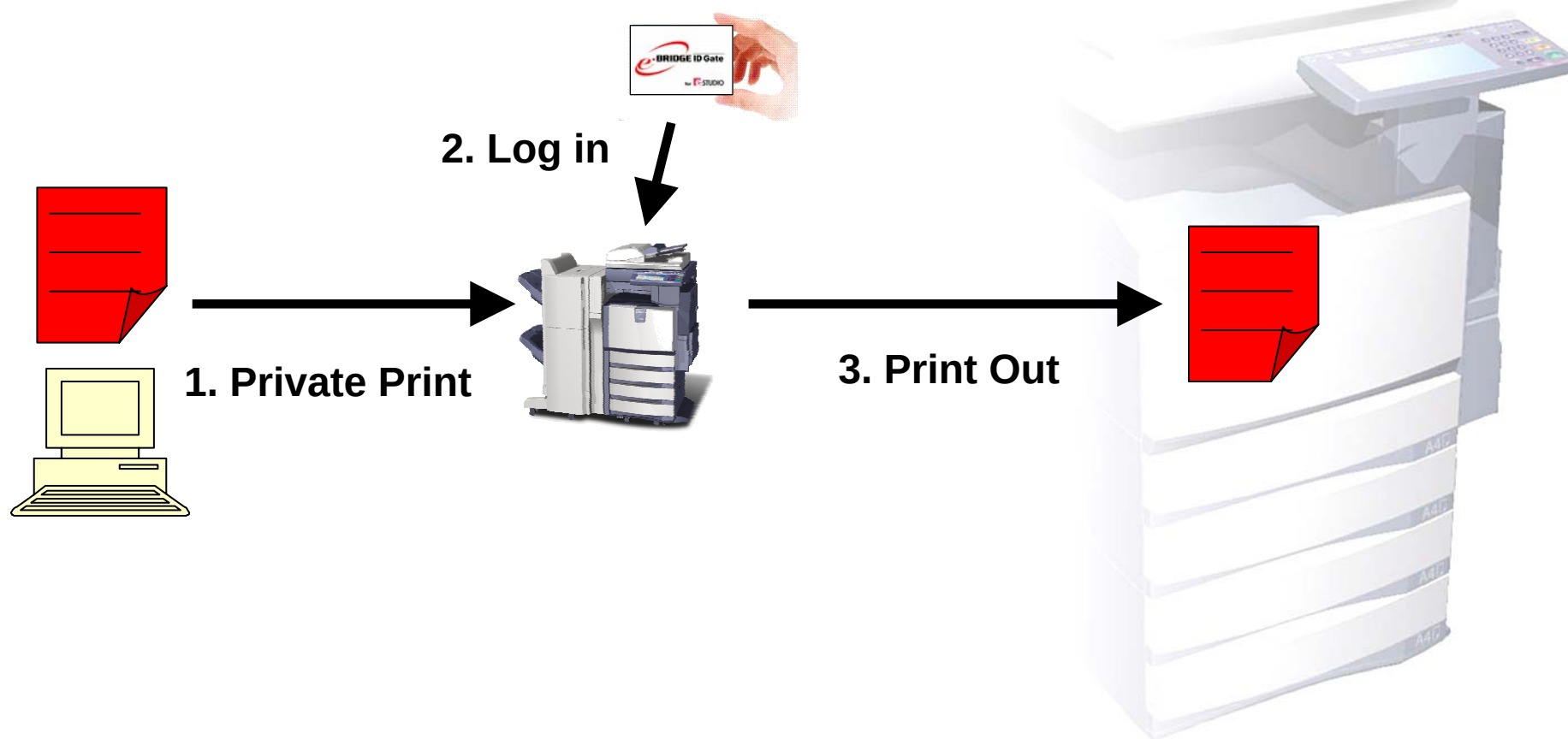
- Private print
- File and Print
- User/Department counter
- Colour/B&W limitation
- Coexistence with USER AUTHENTICATION
- Role Based Access Control
- &
- e-BRIDGE Fleet Management System

➡ Collaboration with e-BRIDGE advantages create sales opportunities



e-BRIDGE ID-Gate

e Collaboration with Private Print



e-BRIDGE ID-Gate

e Collaboration with B&W / Colour limitations



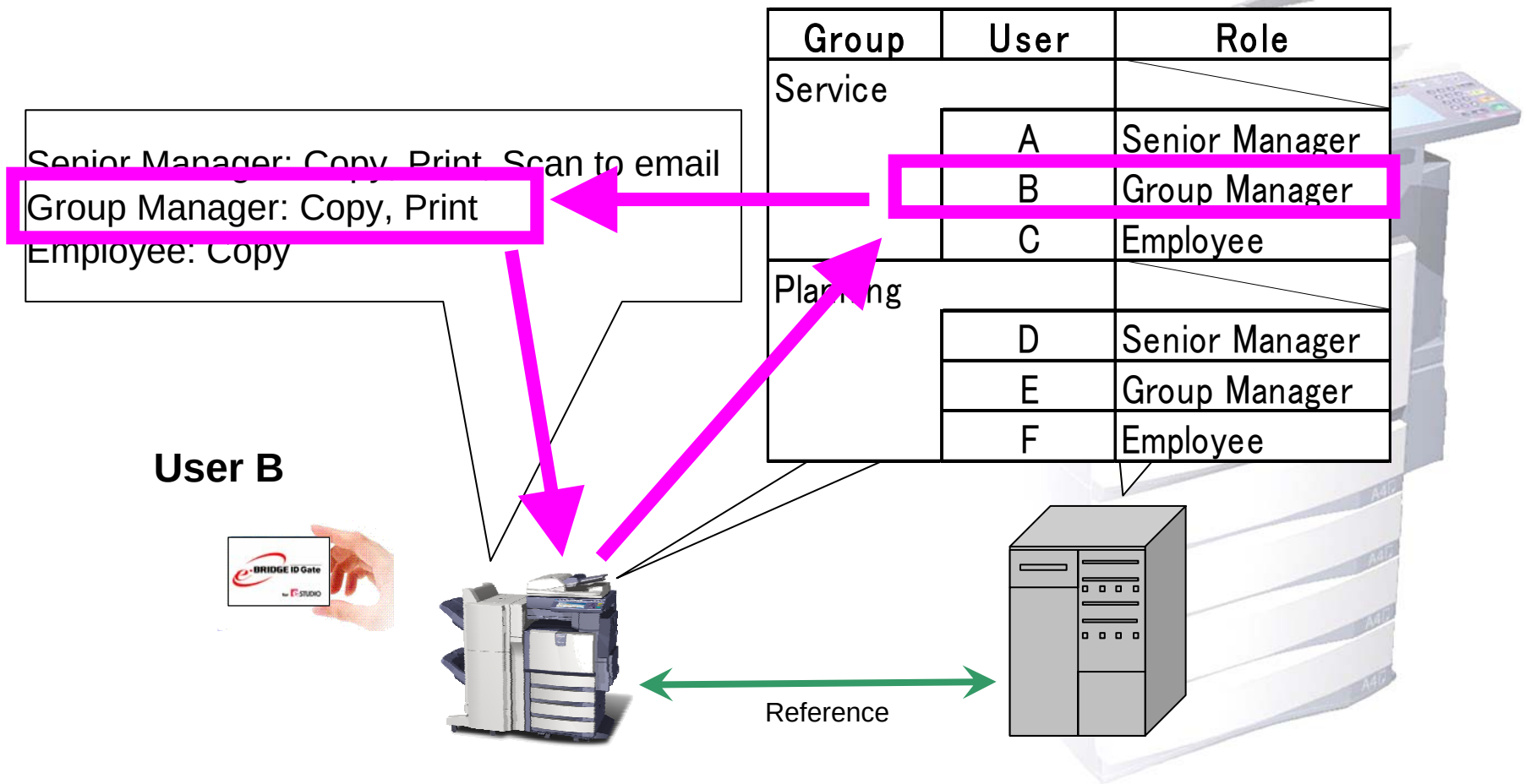
Group	User	Color imitation		B&W limitation	
Service		ON	100	ON	200
	A	ON	50	ON	100
	B	ON	60	ON	150
	C	ON		ON	100
Planning		ON	200	OFF	
	D	ON	100	OFF	
	E	ON	100	OFF	
	F	ON	150	OFF	

User B



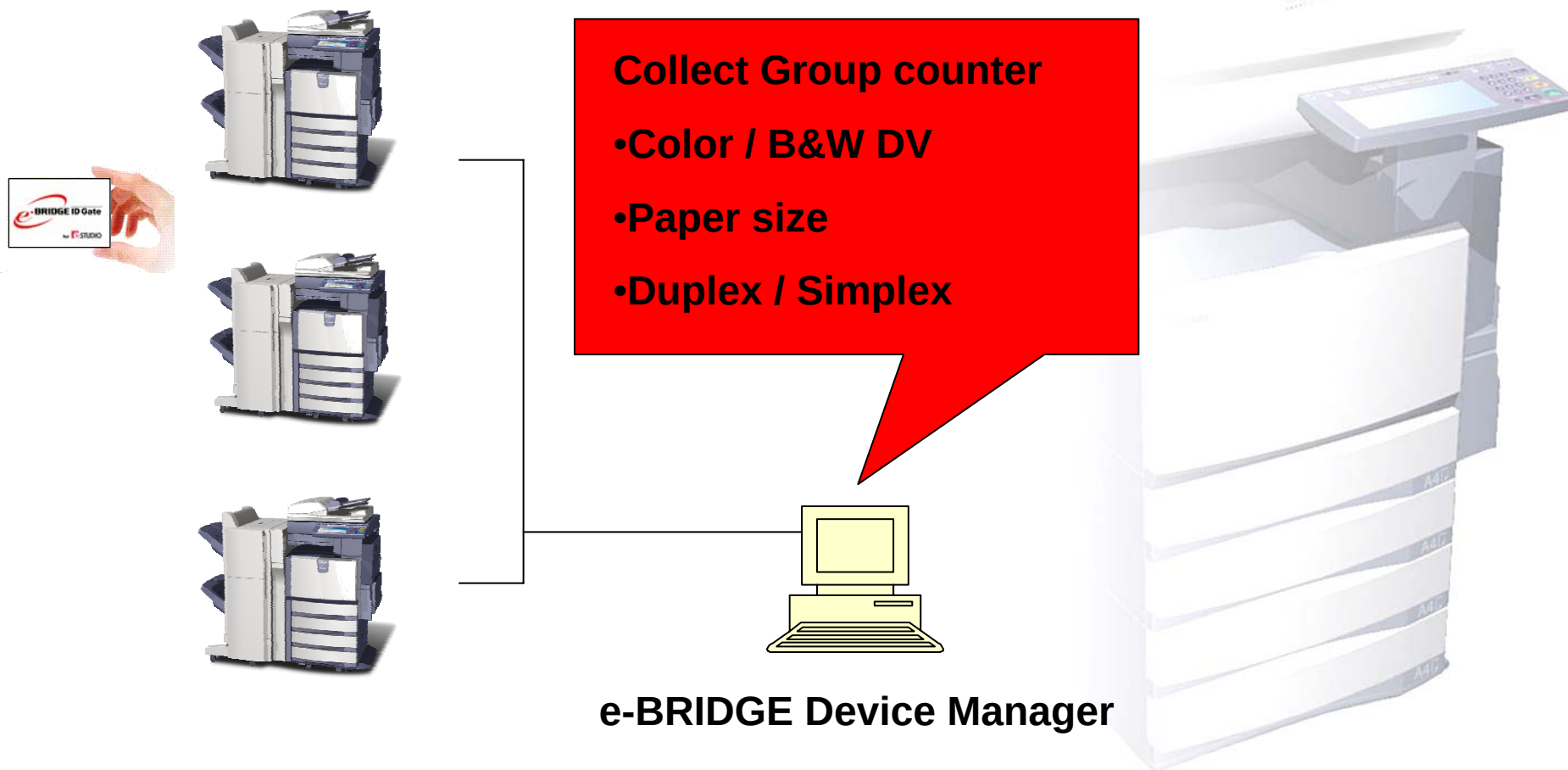
e-BRIDGE ID-Gate

Collaboration with RBAC



e-BRIDGE ID-Gate

Collaboration with e-BRIDGE Device Manager

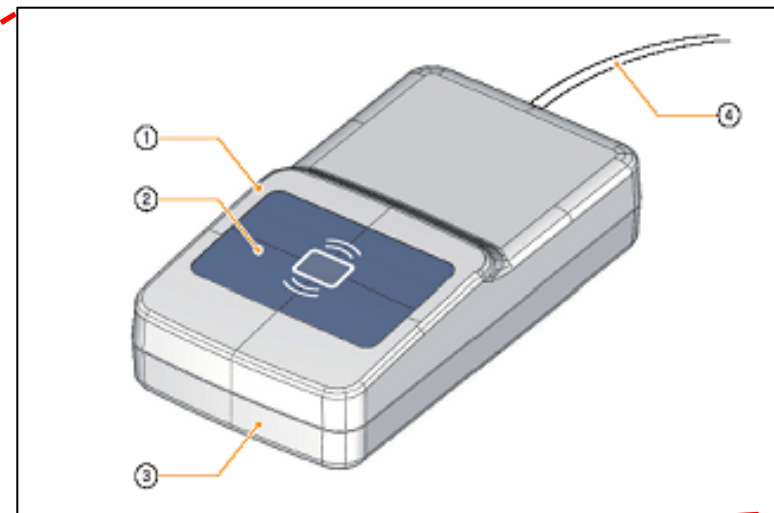


e-BRIDGE ID-Gate

e Appearance



e-BRIDGE ID-Gate



USB connection

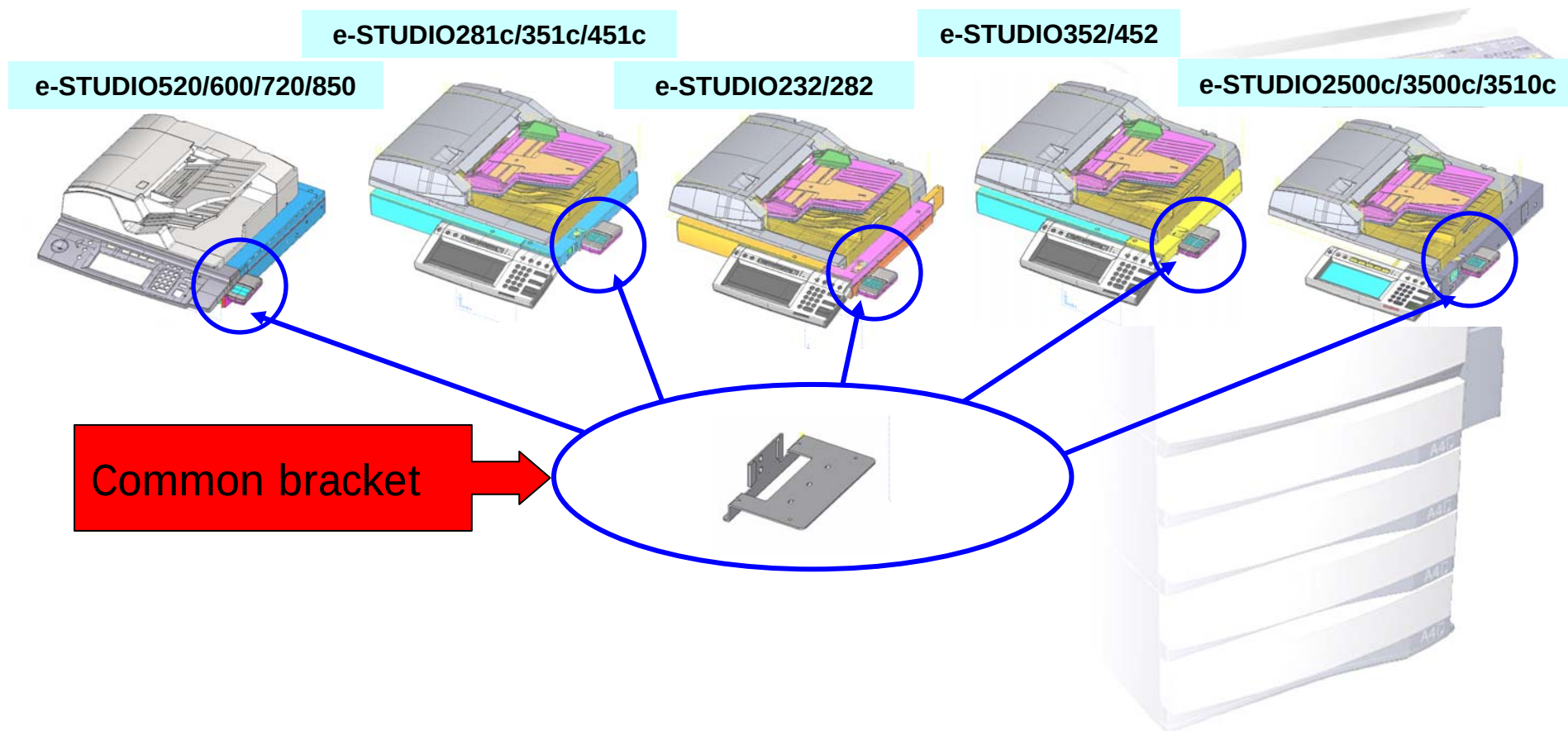


e-BRIDGE ID-Gate

e Attachment to e-BRIDGE models

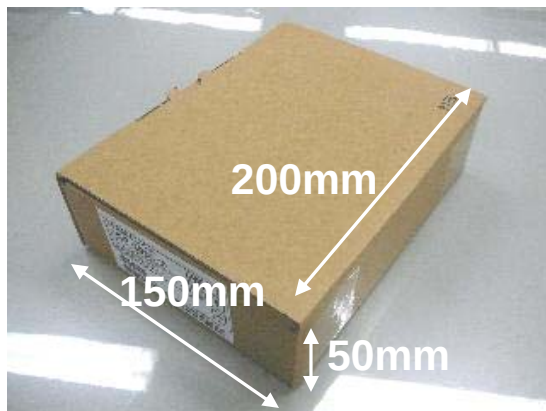


➡ The installation location is the same among all models



e-BRIDGE ID-Gate

e Packaging

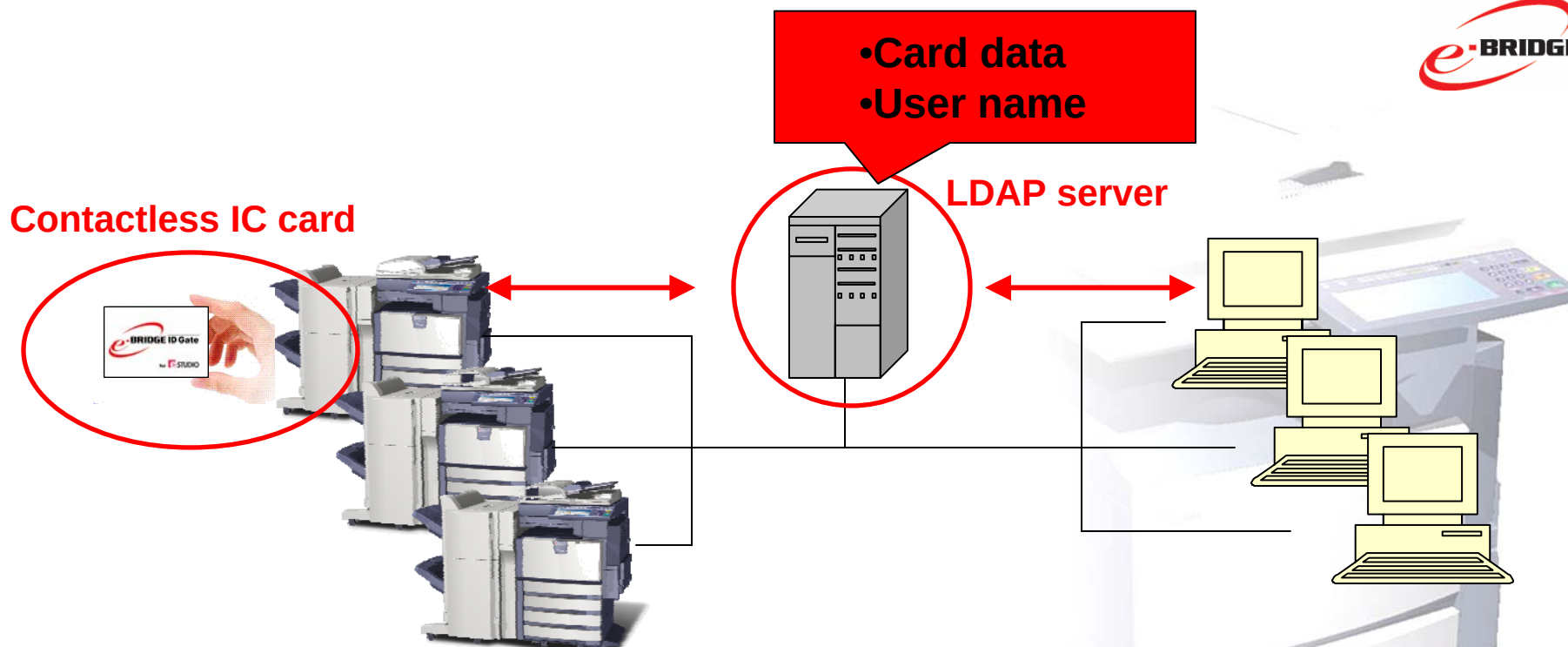


Unpacking
instructions
User manual



e-BRIDGE ID Gate

e-BRIDGE ID-Gate



e Collaboration with e-BRIDGE functions

e Additional mandatory equipment

➡ Contactless IC cards

➡ LDAP Server (for card data & user name mapping)

e-BRIDGE ID-Gate



Article Number	Description
6A000000878	KP-2004 HID ID-GATE
6A000000925	KP-2005 MIFARE ID-GATE

e KP-2004

- ➔ **HID** card reader
- ➔ Supported: HID iClass standard based proximity cards (ISO15693)
- ➔ Not supported: HID “Prox”

e KP-2005

- ➔ **Mifare®** card reader
- ➔ Supported: Mifare® Classic standard (1K/4K bytes)
- ➔ Not supported: Mifare® Desfire and Mifare® Ultralight

e Supported e-STUDIO Models

- ➔ e-BRIDGE B&W and Colour Capable: **e-BRIDGE v3.0 or higher**
- ➔ Full Colour: **e-BRIDGE v3.1 or higher**

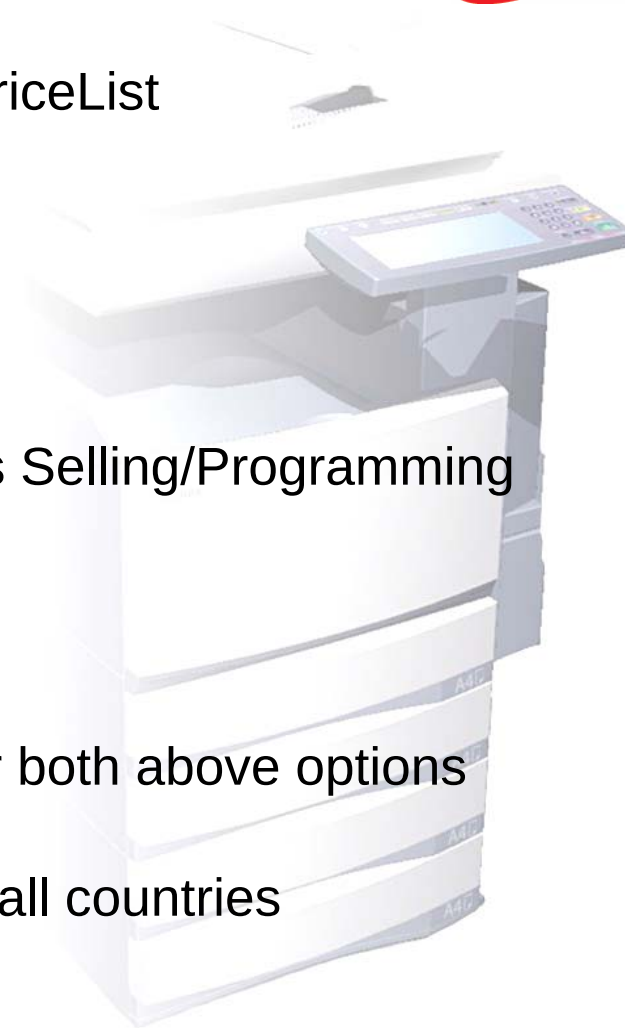


e-BRIDGE ID-Gate

e Additional information:



- ➡ Availability: Now
- ➡ e-BRIDGE ID-Gate will be included in your PriceList
 - Please contact your sales contact
- ➡ Providing only card readers:
 - Toshiba does not get involved in the Cards Selling/Programming
 - Requires a third part company (Integrator)
- ➡ Radio approval in EU and EFTA countries for both above options completed by TTEC
 - e-BRIDGE ID-Gate will not be available in all countries
 - Other countries need to get approved



Live Meeting Poll

Question 2

Do you see some interest for these ID-Gate card readers in your market?

- **Yes, we will sell a lot**
- **Yes, but in limited quantity**
- **Yes, but we are planning very few customer implementations**
- **No, this solution is not relevant on our market**

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End of part 2...



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HP e-STUDIO 3500c

- HIGH-SPEED**
- HIGH-QUALITY**
- FRIENDLY**
- SECURE**
- LOW-TCO**

New firmware Availability

e Firmware name: T380SY0*310

- ➔ Available for download on WEB QS
- ➔ Will be applied in Production in **August 2007**
- ➔ Please refer to the BSI note: **G07G066** (20/07/2007)



e-BRIDGE upgrade version 3.1

e Many improvements:

- ➔ Windows Vista Support
 - XPS support
 - WSD support
 - Premium Vista logo
- ➔ IPv6 support
- ➔ Scan to Secure PDF
- ➔ Improved performance of “Scan to Slim PDF”
- ➔ Improved Media Support (Changed bypass unit)
- ➔ Noise reduction of Finisher (MJ-1101)



Vista support: XPS Printing

e Same support as e-BRIDGE v3.0

- ➔ Full 32/64-bit driver
- ➔ XPS Scan
- ➔ WS Print
- ➔ WS Scan

+

e Full XPS printing support

- ➔ XPS Printer driver
 - Network Printing
 - Direct USB printing

e Premium Vista logo (with XPS path)



Additional features

IPv6 support:

- ➔ Next generation of communication protocol for Internet traffic
- ➔ 128-bit addresses
 - To support the increasing number of Internet users
- ➔ Enhanced security
 - IPv6 assigns a Fix address to every device on Internet



Secure PDF

e Scan to Secure PDF: Create a protected PDF document

- ➡ Two passwords for the document
- ➡ Different level of encryption

e Secure PDF USB direct print:

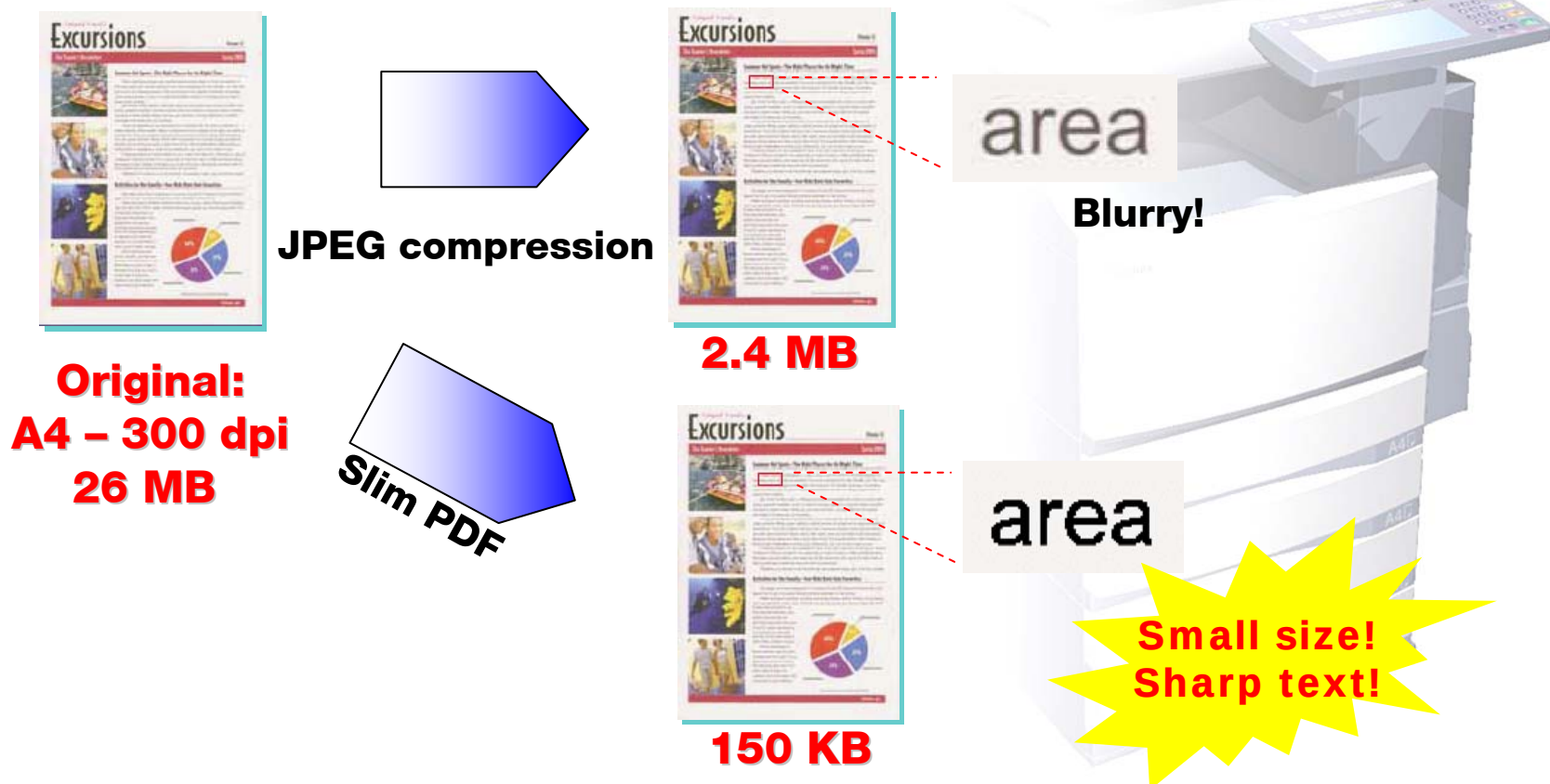
- ➡ Print protected document directly from a USB key
- ➡ Key-in the password to print the document on the MFP control panel



Scan to Slim PDF improvement

Performance improvement:

- ➔ Scan data is created using a mix of hardware and software
- ➔ Scan to Slim PDF productivity improved by around 20%



Enhanced media handling

e New bypass for enhanced specifications:

- ➔ **SRA3** paper support (320 x 450 mm)
- ➔ Up to **280 g/m²** from bypass („Thick 4“)
- ➔ Up to **256 g/m²** from drawer 1&2
- ➔ ADU now supports up to **256 g/m²**
- ➔ ADU now supports **A3 wide** (305 x 457 mm)

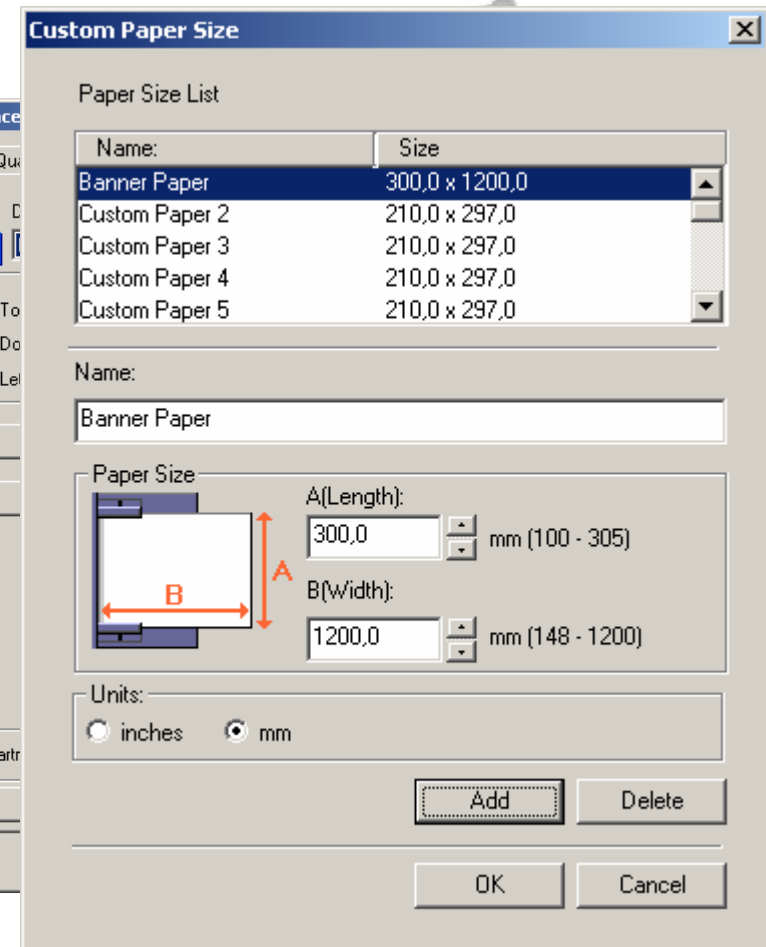
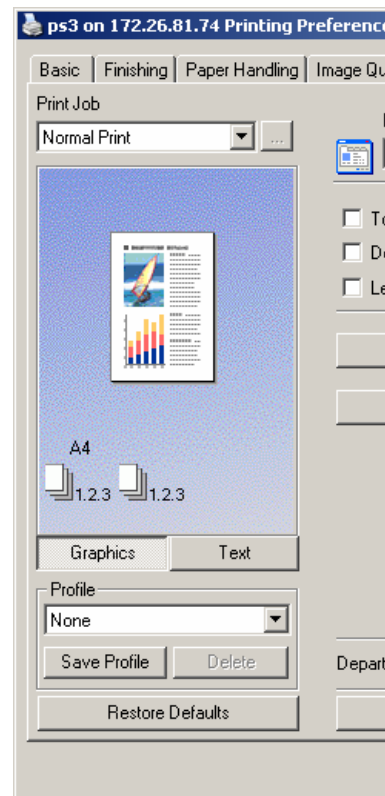
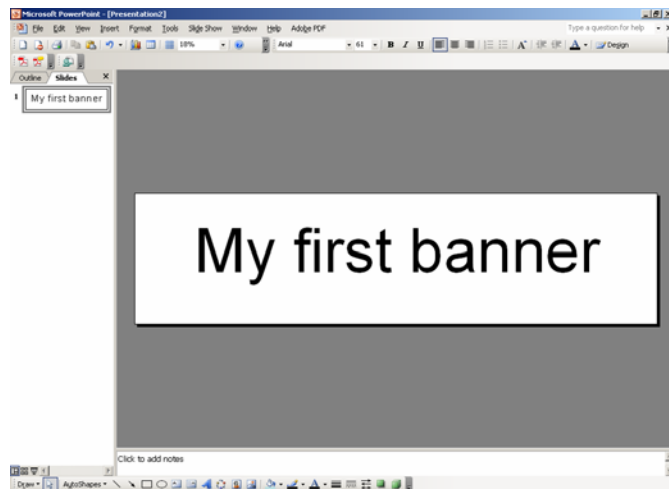
e New function

- ➔ Banner printing
 - Support paper up to **305 x 1200 mm**



Banner printing – How does it work?

- e Create a custom paper size**
- e Create a document with the same size**

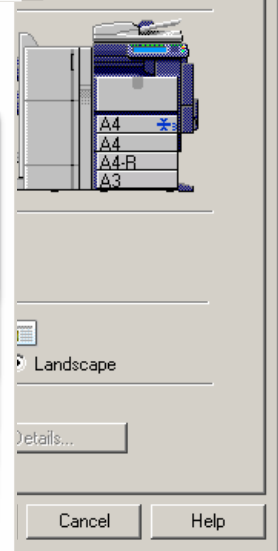
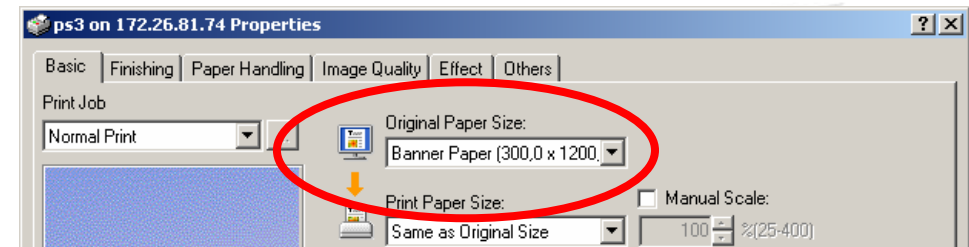
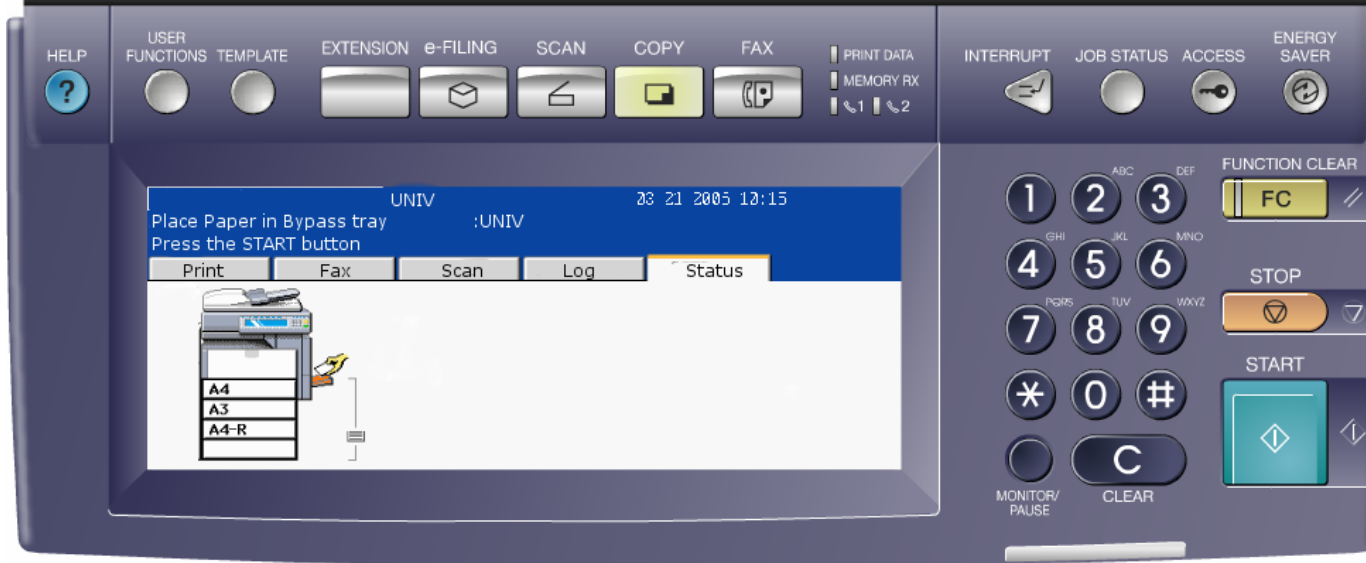


Banner printing – How does it work?

- e** Select the banner page format
- e** Put one sheet on the bypass tray

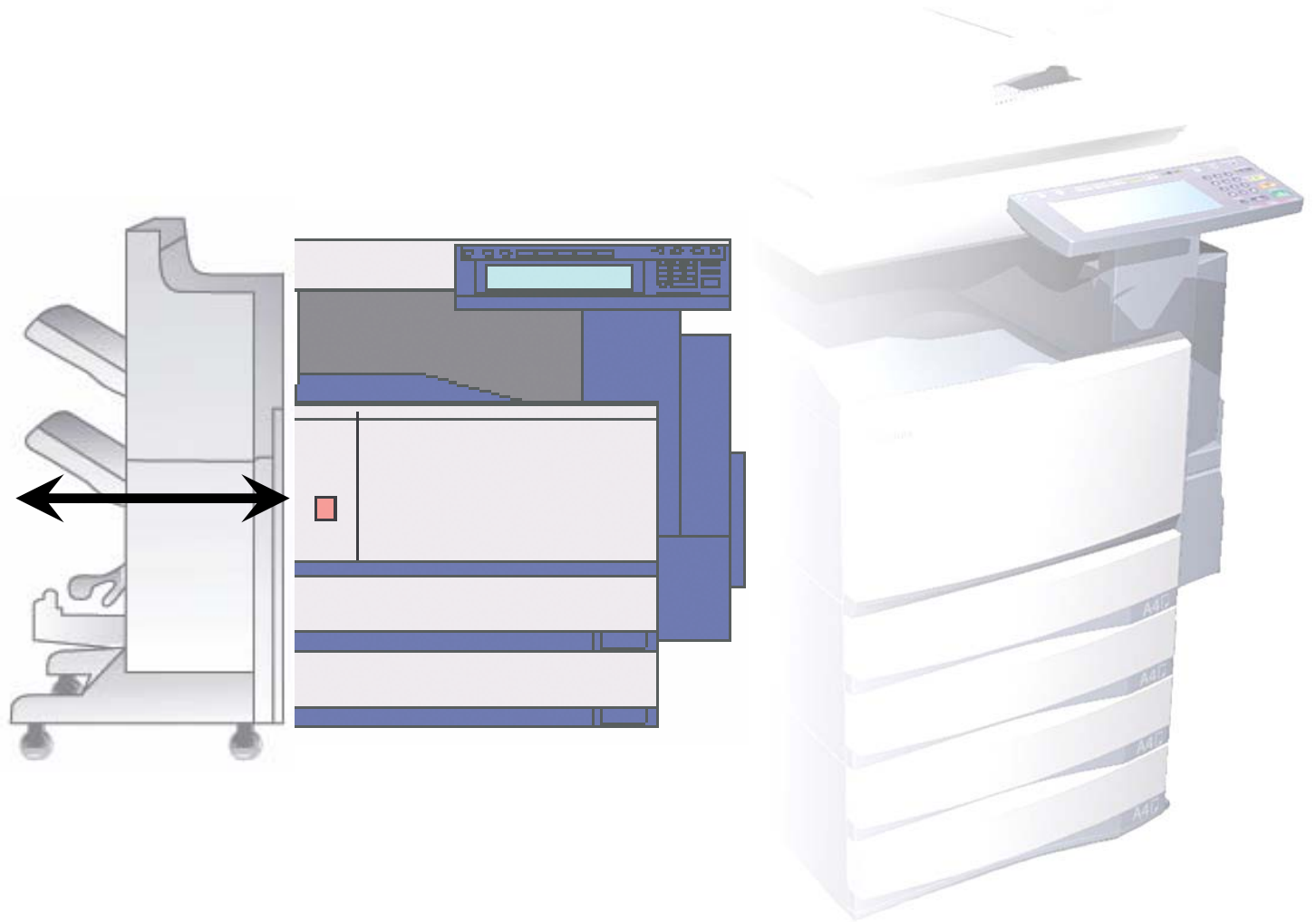


eSTUDIO2500c/3500c/3510c



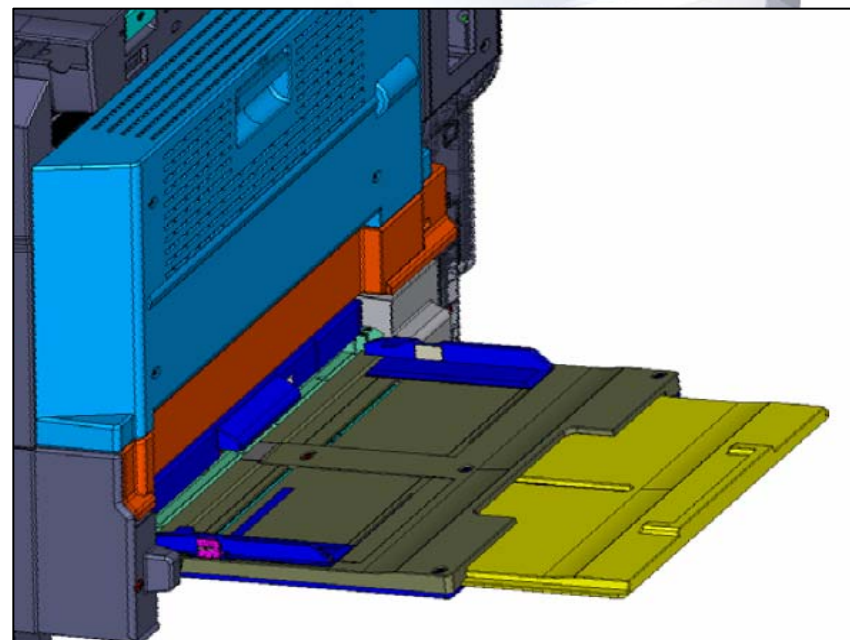
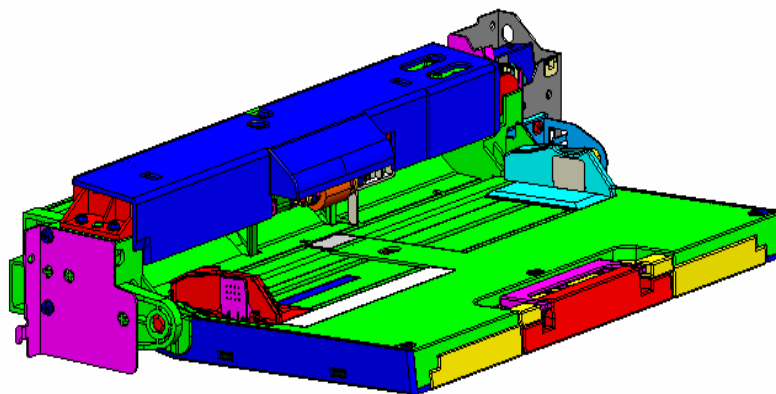
Banner printing – How does it work?

e Important: Finisher must be disconnected



New Bypass

- Stability improved
- Side Guide width: 310 mm → **326 mm** (for SRA3)
- Side Guide length: 80 mm → **167.5 mm**
- Tray length: 378 mm → **430 mm** (with expansion tray)
- Improvement of operability by simple expansion tray composition



New Bypass

e Applied to mass production from the following S/N (May 2007):

➡ e-STUDIO2500c: **CBE722185**

➡ e-STUDIO3500c: **CCE715475**

➡ e-STUDIO3510c: **CVE713740**

e MIF upgrade via new bypass as Spare Part

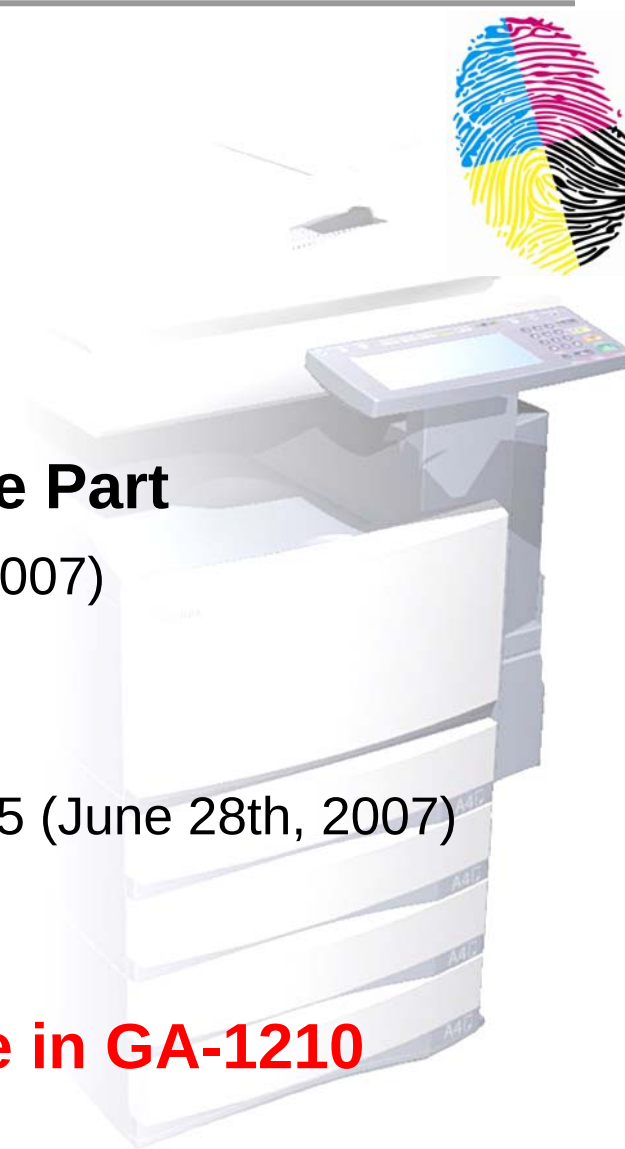
➡ Announced in BSI note G07D773 (July 6th, 2007)

➤ **KIT-SRA3-380 (6LE39044000)**

*This part will be available until **December 2007***

Please refer to BSI note G07C744/GC07C745 (June 28th, 2007)
for installation procedure

e Enhanced media are not yet available in **GA-1210**
printer driver (**PRO** version)



Live Meeting Poll

Question 3

What percentage of your Full Colour MIF do you plan to update with this new byoass a a spare part?

- 0%
- 1 to 5%
- 6 to 10%
- 11 to 25%
- 26 to 50%
- 51 to 80%
- 81 to 100%

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MJ-1101 noise improvement

Improvement of both Hardware and Firmware

➡ Hardware:

- Reduction of Impact sound and resonant noise in high frequency domain
- Production application March 2007 – BSI Note: G097B669
- Since S/N: MWC731337

➡ Firmware:

- Improvement of finisher movement control
- Firmware v3.1

➡ Result:

- Reduction of sound pressure by 2 dB to 4 dB

	Sorting	Double Stapling
- Previous	61.9	61.0 dB(A)
- New	58.1	59.0 dB(A)

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End of part 3...



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