

# Perceptive Document Filters

## Implementation Guide

Version 11.2

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Date: November 2014

**perceptive**software  
from Lexmark

## Appendix E: Supported formats

- <sup>1</sup> File ID only
- <sup>2</sup> ID and metadata only
- <sup>3</sup> Mac OSX 32/64 only
- ✓ Formats supported by High Definition and Classic HTML conversion

### Archive

| Document Format               | Version       | Extension  | HiDef |
|-------------------------------|---------------|------------|-------|
| 7-Zip                         |               | .7Z        |       |
| ACE <sup>1</sup>              |               | .ACE       |       |
| Apple Disk Image <sup>3</sup> |               | .DMG       |       |
| ARJ                           |               | .ARJ       |       |
| Bzip2                         |               | .BZ2, TBZ2 |       |
| ESTSoft ALZip                 |               | .ALZ       |       |
| ESTSoft EGG                   |               | .EGG       |       |
| ISO Disk Image                |               | .ISO       |       |
| Java Archive                  |               | .JAR       |       |
| LZH                           |               | .LZH       |       |
| Microsoft Cabinet             |               | .CAB       |       |
| Microsoft Office Binder       |               | .OBD       |       |
| RedHat Package Manager        |               | .RPM       |       |
| Roshal Archive                | 1.5, 2.0, 2.9 | .RAR       |       |
| Roshal Archive (Multi-part)   |               | .RAR       |       |

| Document Format                              | Version       | Extension  | HiDef |
|----------------------------------------------|---------------|------------|-------|
| Self-extracting .exe                         |               | .EXE       |       |
| Stuftit <sup>1</sup>                         |               | .SIT       |       |
| Stuftit Self Extracting Archive <sup>1</sup> |               | .SEA, .EXE |       |
| Stuftit X <sup>1</sup>                       |               | .SITX      |       |
| GNU Zip                                      | 0.1, 1.0      | .GZ        |       |
| UNIX cpio                                    |               | .CPIO      |       |
| UNIX Tar                                     |               | .TAR       |       |
| Zip                                          | PKZip, WinZip | .ZIP       |       |
| Zip (Multi-part)                             |               | .ZIP       |       |

## Database

| Document Format                    | Version | Extension           | HiDef |
|------------------------------------|---------|---------------------|-------|
| dBase file                         | 3,4     | .DBF                |       |
| dBASE III file                     | 3,4     | .DB, .DB3           |       |
| dBASE IV file                      | 4       | .DBF                |       |
| ISYS Index <sup>1</sup>            |         | .IXA, .IXB,<br>.IXC |       |
| Microsoft Access file              | 97-2010 | .MDB,<br>.ACCDB     |       |
| Paradox Database File <sup>1</sup> |         | .DB                 |       |

## Email and messaging

| Document Format                        | Version               | Extension   | HiDef |
|----------------------------------------|-----------------------|-------------|-------|
| Apple Mail                             |                       | .EMLX       | ✓     |
| Encoded mail message                   | MHT                   | .MHT        | ✓     |
| Encoded mail message                   | Multipart Alternative |             |       |
| Encoded mail message                   | Multipart Digest      |             |       |
| Encoded mail message                   | Multipart Mixed       |             |       |
| Encoded mail message                   | Multipart News Group  |             |       |
| Encoded mail message                   | Multipart Signed      |             |       |
| Encoded mail message                   | TNEF                  | WINMAIL.DAT |       |
| Email Message                          |                       | .EML        | ✓     |
| Eudora                                 | Classic (1-7), OSE    | .MBX        |       |
| Microsoft Outlook                      | 97-2013               | .MSG        | ✓     |
| Microsoft Outlook Express <sup>1</sup> |                       | .DBX        |       |
| Microsoft Outlook Forms Template       |                       | .OFT        |       |
| Microsoft Outlook                      | 97-2013               | .PST, .OST  |       |
| Sendmail "mbox"                        |                       | .MBOX       |       |
| Thunderbird                            | 1, 1.5, 2.x, 3.x      | .MBOX       |       |

## Multimedia

| Document Format                                          | Version                 | Extension         | HiDef |
|----------------------------------------------------------|-------------------------|-------------------|-------|
| 3GP <sup>1</sup>                                         |                         | .3GP              |       |
| Adobe Flash                                              |                         | .SWF              |       |
| Adobe Flash Video <sup>1</sup>                           |                         | .FLV              |       |
| Audio Video Interleave (AVI) <sup>2</sup>                |                         | .AVI              |       |
| DVD Information File <sup>1</sup>                        |                         | .IFO, .BUP        |       |
| DVD Video Object <sup>2</sup>                            |                         | .VOB              |       |
| Microsoft Windows Movie Maker <sup>1</sup>               |                         | .MSWMM            |       |
| Musical Instrument Digital Interface (MIDI) <sup>1</sup> | Standard                | .MID, .MIDI, .SMF |       |
| MPEG Video <sup>2</sup>                                  |                         | .MPG              |       |
| MPEG-1 Audio Layer 3 <sup>2</sup>                        | ID3v1, ID3v2            | .MP3              |       |
| MPEG-4 Video <sup>2</sup>                                |                         | .MP4              |       |
| MPEG-2 Audio Layer 3 <sup>2</sup>                        | ID3v1, ID3v2            | .MP3              |       |
| OGG FLAC Audio <sup>2</sup>                              |                         | .FLAC             |       |
| OGG Vorbis Audio <sup>2</sup>                            |                         | .OGG              |       |
| QuickTime <sup>1</sup>                                   | 1.x-X                   | .MOV              |       |
| Real Media <sup>2</sup>                                  |                         | .RM               |       |
| Waveform Audio File Format (WAVE) <sup>2</sup>           |                         | .WAV, .AIFF       |       |
| Windows Media Audio <sup>2</sup>                         | WMT 4.0, WMA 2, 7, 8, 9 | .WMA              |       |

| Document Format                  | Version  | Extension | HiDef |
|----------------------------------|----------|-----------|-------|
| Windows Media Video <sup>2</sup> | WMV 7, 9 | .WMV      |       |

## Other

| Document Format                                   | Version          | Extension           | HiDef |
|---------------------------------------------------|------------------|---------------------|-------|
| Apple Executable <sup>1</sup>                     |                  | .BIN                |       |
| BIN HEX Encoded <sup>1</sup>                      |                  | .HBX, .HEX,<br>.HGX |       |
| BitTorrent Metafile <sup>1</sup>                  |                  | .TORRENT            |       |
| DICOM Image <sup>2</sup>                          |                  | .DCM                |       |
| Java Class <sup>1</sup>                           |                  | .CLASS              |       |
| Linux Executable and Linkable Format <sup>1</sup> |                  | .ELF                |       |
| Log File                                          |                  | .LOG                |       |
| Microsoft OneNote                                 | 2007, 2010, 2013 | .ONE                |       |
| Microsoft Project                                 | 98-2003          | .MPP                |       |
| Microsoft Project                                 | 2007, 2010       | .MPP, .MPX          |       |
| Microsoft Windows DLL <sup>1</sup>                |                  | .DLL                |       |
| Microsoft Windows Executable <sup>1</sup>         |                  | .EXE, .COM,<br>.SYS |       |
| Microsoft Windows Installer <sup>1</sup>          |                  | .MSI                |       |
| Microsoft Windows Shortcut <sup>1</sup>           |                  | .LNK                |       |
| Open Access II (OAI)                              |                  |                     |       |
| Symbian Executable <sup>1</sup>                   |                  |                     |       |

| Document Format | Version | Extension | HiDef |
|-----------------|---------|-----------|-------|
| vCard           | 2.1     | .VCF      |       |
| Uniplex         |         |           |       |
| UUEncode        |         | .UUE      |       |

## Presentation

| Document Format                               | Version                               | Extension        | HiDef |
|-----------------------------------------------|---------------------------------------|------------------|-------|
| Apple iWork Keynote                           | 5.x                                   | .KEY             |       |
| LibreOffice Presentation                      | 3, 4                                  | .ODS             | ✓     |
| Microsoft PowerPoint for Windows <sup>1</sup> | 3.0-4.0                               | .PPT             |       |
| Microsoft PowerPoint for Windows              | 97-2013                               | .PPT, .PPTX      | ✓     |
| Microsoft PowerPoint for Mac                  | 1-4, 98, 2001, v. X, 2004, 2008, 2011 | .PPT, .PPTX      | ✓     |
| Microsoft PowerPoint for Office 365           |                                       | .PPT, .PPTX      | ✓     |
| OpenOffice Impress                            | 1.x, 2.x, 3.x, 4.x                    | .ODP             | ✓     |
| StarOffice Impress 3                          | 8, 9                                  | .SXI, .SDI, .SDP | ✓     |

## Raster image

| Document Format                                      | Version            | Extension                  | HiDef |
|------------------------------------------------------|--------------------|----------------------------|-------|
| Encapsulated PostScript <sup>1</sup>                 |                    | .EPS                       |       |
| Graphics Interchange Format (GIF) <sup>2</sup>       | 87a, 89a, Animated | .GFA, .GIF, .GIF87, .GIF89 | ✓     |
| Joint Photographic Experts Group (JPEG) <sup>2</sup> |                    | .JPEG, .JPG, .JPE, .JIF    | ✓     |
| Microsoft Document Imaging <sup>2</sup>              |                    | .MDI                       |       |

| Document Format                             | Version          | Extension   | HiDef |
|---------------------------------------------|------------------|-------------|-------|
| Microsoft Windows Bitmap <sup>2</sup>       |                  | .BMP        | ✓     |
| PCX <sup>1</sup>                            |                  | .PCX        |       |
| Portable Network Graphic (PNG) <sup>2</sup> | 1.0, 1.1, 1.2    | .PNG        | ✓     |
| Progressive JPEG                            |                  | .JPEG, .JPG |       |
| Tagged Image Format File (TIFF)             | Revision 3.0-5.0 | .TIF, .TIFF | ✓     |

## Spreadsheet

| Document Format                | Version                    | Extension                | HiDef |
|--------------------------------|----------------------------|--------------------------|-------|
| Apple iWork Numbers            | 2.x                        | .NUMBERS                 |       |
| Comma Separated Values         |                            | .CSV                     |       |
| Framework Spreadsheet          | III                        | .FW3                     |       |
| IBM Lotus Symphony Spreadsheet | 1.x, 3.x                   | .SXS, .SX,<br>.ODS       | ✓     |
| LibreOffice Spreadsheet        | 3, 4                       | .ODS                     | ✓     |
| Lotus 1-2-3                    | Through Millennium 9.6     | .WK, .WKS,<br>.WK3, .WK4 |       |
| Microsoft Excel for Windows    | 2.0 – 7.0 (Excel 95)       | .XLS                     |       |
| Microsoft Excel for Windows    | 1997 (v.8) - 2010, 2013    | .XLS, .XLSX              | ✓     |
| Microsoft Excel for Windows    | 2007 – 2013 (Binary)       | .XLSB                    | ✓     |
| Microsoft Excel for Mac        | 1, 1.5, 2.2, 3.0, 4.0, 5.0 | .XLS                     |       |
| Microsoft Excel for Mac        | 8.0-14.0                   | .XLS, .XLSX              | ✓     |
| Microsoft Excel for Office 365 |                            | .XLS, .XLSX              | ✓     |

| Document Format             | Version    | Extension           | HiDef |
|-----------------------------|------------|---------------------|-------|
| Microsoft Works for DOS     | 2          | .WPS                |       |
| Microsoft Works for Windows | 3, 4, 6, 7 | .WPS                |       |
| OpenOffice Calc             | 1.1 – 4.x  | .ODS                | ✓     |
| StarOffice Calc             | 8, 9       | .SXC, .SXS,<br>.ODS | ✓     |

## Text and markup

| Document Format                    | Version                                | Extension           | HiDef |
|------------------------------------|----------------------------------------|---------------------|-------|
| ASCII Text                         | 7-bit, 8-bit                           | .TXT                |       |
| ANSI Text                          | 7-bit, 8-bit                           | .TXT                |       |
| HTML (Text Only)                   |                                        | .HTM, .HTML         | ✓     |
| HTML (Codes Revealed)              |                                        | .HTM, .HTML         | ✓     |
| HTML (Metadata Only)               |                                        | .HTM, .HTML         | ✓     |
| IBM DCA                            |                                        | .RFT, .TXT,<br>.DCA |       |
| Microsoft HTML Help                | 1.0, 1.1a, 1.3, 1.32,<br>1.33MAML      | .CHM                |       |
| Microsoft OneNote                  | 2007, 2010                             | .ONE                |       |
| Microsoft OneNote TOC <sup>1</sup> | 2007, 2010                             | .ONETOC             |       |
| Rich Text Format                   | 1.0, 1.3, 1.5, 1.6, 1.7, 1.8,<br>1.9.1 | .RTF                | ✓     |
| SGML Text                          |                                        | .SGML               |       |
| Source                             |                                        |                     |       |
| Transcript                         |                                        |                     |       |

| Document Format                  | Version       | Extension | HiDef |
|----------------------------------|---------------|-----------|-------|
| Unicode UTF8                     |               |           |       |
| Unicode UTF16 (big e & little e) |               |           |       |
| Unicode UCS2 (big e & little e)  |               |           |       |
| XML                              | Document File | .XML      |       |
| XML                              | Record View   | .XML      |       |

## Vector image

| Document Format                              | Version                                                                            | Extension   | HiDef |
|----------------------------------------------|------------------------------------------------------------------------------------|-------------|-------|
| Adobe Illustrator <sup>2</sup>               |                                                                                    | .AI         |       |
| Adobe InDesign <sup>2</sup>                  | 1.x-7.x                                                                            | .INDD       |       |
| Adobe Photoshop <sup>2</sup>                 | 8.x, 9.x, 10.0 (CS 1-3)                                                            | .PSD        |       |
| AutoCAD Drawing                              | 12, 13, 14, 2000, 2002, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2012, 2013, 2014 | .DWG        | ✓     |
| AutoCAD Drawing Exchange Format <sup>2</sup> |                                                                                    | .DXF        | ✓     |
| Corel Draw Image <sup>1</sup>                |                                                                                    | .CDR        |       |
| Intergraph-Microstation CAD                  |                                                                                    | .DGN        | ✓     |
| MathCAD <sup>1</sup>                         |                                                                                    | .MCD, .XMCD |       |
| Microsoft XPS                                |                                                                                    | .XPS, .OXPS |       |
| Microsoft Visio <sup>1</sup>                 | 3.0                                                                                | .VSD        |       |
| Microsoft Visio                              | 4.0 - 2013                                                                         | .VSD        | ✓     |
| Microsoft Visio                              | 10.0 – 2013                                                                        | .VDX, .VSDX |       |

| Document Format                         | Version | Extension | HiDef |
|-----------------------------------------|---------|-----------|-------|
| Windows Enhanced Meta File <sup>1</sup> |         | .EMF      | ✓     |
| Windows Meta File <sup>2</sup>          |         | .WMF      | ✓     |

## Word processing and general office

| Document Format               | Version                                    | Extension              | HiDef |
|-------------------------------|--------------------------------------------|------------------------|-------|
| Adobe PDF                     | 1.0 – 1.7 (Extension 3, 5)(Acrobat 1 - 11) | .PDF                   | ✓     |
| Adobe PostScript <sup>1</sup> |                                            | .PS                    |       |
| Ami Pro for Windows           |                                            | .AMI, .SAM             |       |
| Apple iWork Pages             | 4.x                                        | .PAGES                 |       |
| Framework WP                  |                                            | .FW3                   |       |
| Hangul v3 <sup>1</sup>        |                                            | .HWP                   |       |
| Hangul (>v3)                  |                                            | .HWP                   |       |
| IBM DCA/FFT                   |                                            | .RFT, .FFT             |       |
| IBM DisplayWrite              | 4                                          | .RFT, .DCA, .DW4, .DOC |       |
| IBM DisplayWrite              | 5                                          | .RFT, .DCA, .DW5, .DOC |       |
| IBM Lotus Symphony Document   | 1.x, 3.x                                   | .ODT                   | ✓     |
| JungUm <sup>2</sup>           |                                            | .GUL                   |       |
| JustSystems Ichitaro          |                                            | .JTD, .JBW, .JTT       |       |
| LibreOffice Document          | 3, 4                                       | .ODT                   | ✓     |
| Lotus Manuscript              | 1.0, 2.x                                   | .MANU, .MNU, .MAN      |       |

| Document Format                     | Version                                | Extension       | HiDef |
|-------------------------------------|----------------------------------------|-----------------|-------|
| Lotus Notes <sup>1</sup>            |                                        | .NSF            |       |
| Lotus WordPro <sup>1</sup>          |                                        | .LWP            |       |
| Mass 11                             | 8                                      | .M11            |       |
| Microsoft Publisher                 |                                        | .PUB            |       |
| Microsoft Word for DOS              | 4.0 - 6.0                              | .DOC            |       |
| QuarkXpress <sup>1</sup>            |                                        | .QXx, .QCx      |       |
| Microsoft Word for Windows          | 1.0 - 2013                             | .DOC, .DOCX     | ✓     |
| Microsoft Word for Mac              | 1-5, 5.1, 6                            | .DOC, .DOCX     |       |
| Microsoft Word for Mac              | 98, 2001, v. X, 2004, 2008, 2010, 2011 | .DOC, .DOCX     | ✓     |
| MultiMate                           | Through 4.0                            | .DOX            |       |
| MultiMate Advantage                 |                                        | .DOX            |       |
| Naver Word <sup>1</sup>             |                                        | .NDOC           |       |
| OpenOffice Writer                   | 1.1 - 4.x                              | .ODT            | ✓     |
| Professional Write for DOS          | 1, 2                                   | .PW, .PW1, .PW2 |       |
| Professional Write Plus for Windows | 1                                      | .PW             |       |
| Q&A Write                           | 3, 4 (Classic), 5                      | .QA, .QA3       |       |
| QuickBooks Backup <sup>1</sup>      |                                        | .QBB            |       |
| QuickBooks for Windows <sup>1</sup> |                                        | .QBW            |       |
| StarOffice Writer                   | 8, 9                                   | .SXW, .SDW      | ✓     |

| Document Format                   | Version                                  | Extension  | HiDef |
|-----------------------------------|------------------------------------------|------------|-------|
| TrueType Font <sup>1</sup>        |                                          | .TTF       |       |
| Wang IWP                          |                                          | .IWP       |       |
| Wang WP Plus                      |                                          | .IWP       |       |
| Windows Write                     |                                          | .WRI       |       |
| WinWord                           | 6                                        | .DOC       |       |
| WordPerfect for DOS               | 4.2                                      | .WPD       |       |
| WordPerfect for Macintosh         | 1.0-1.0.7, 2.0, 2.1, 3.0, 3.1, 3.5, 3.5e | .WPD       |       |
| WordPerfect for Windows           | 5.1-12.0, X3, X4                         | .WPD, WP5  | ✓     |
| Wordstar 2000 for DOS             | 01/03/11                                 | .WS2, .DOC |       |
| Wordstar for DOS                  | 3.x-7                                    | .WS, .WSx  |       |
| Wordstar for Windows              | 1                                        | .WSD       |       |
| Wordstar for Windows <sup>1</sup> | 2                                        | .WSD       |       |
| XYwrite                           | I-III+, 4.0, Windows                     | .XY        |       |