
Colour test pages for measurement of office equipment consumable yield

*Pages d'essai en couleur pour le mesurage du rendement des
consommables des équipements de bureau*

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Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work. In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of the joint technical committee is to prepare International Standards. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

ISO/IEC 24712 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 28, *Office equipment*.

This second edition cancels and replaces the first edition (ISO/IEC 24712:2006), of which it constitutes a minor revision.

Introduction

This International Standard provides a set of test pages in a common file format that are used in the testing of cartridge yield for colour toner and colour ink. The focus of this test suite is not for printing of photographs, but is intended to be a sampling of typical consumer pages. The procedure for using these pages is detailed in ISO/IEC 19798 and ISO/IEC 24711.

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Colour test pages for measurement of office equipment consumable yield

1 Scope

The scope of this International Standard is to define colour test pages for the measurement of consumable yield. The test page suite includes four “customer” type documents and one “diagnostic” page that is used to determine end of ink or toner consumable life. These pages can be used for electro-photographic, inkjet printers and multi-function devices that have a digital printing path, i.e. an all-in-one electro-photographic machine that has digital printing capabilities.

This International Standard provides a set of test pages in a common file format that would be used in the testing of consumable yield. The procedure for using these pages is detailed in ISO/IEC 19798 and ISO/IEC 24711.

These pages are intended to represent some of the types of documents that are used in the office and home. They are not intended to represent special applications such as photo printing.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/IEC 19798, *Method for the determination of toner cartridge yield for colour printers and multi-function devices that contain printer components*

ISO/IEC 24711, *Method for the determination of ink cartridge yield for colour inkjet printers and multi-function devices that contain printer components*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

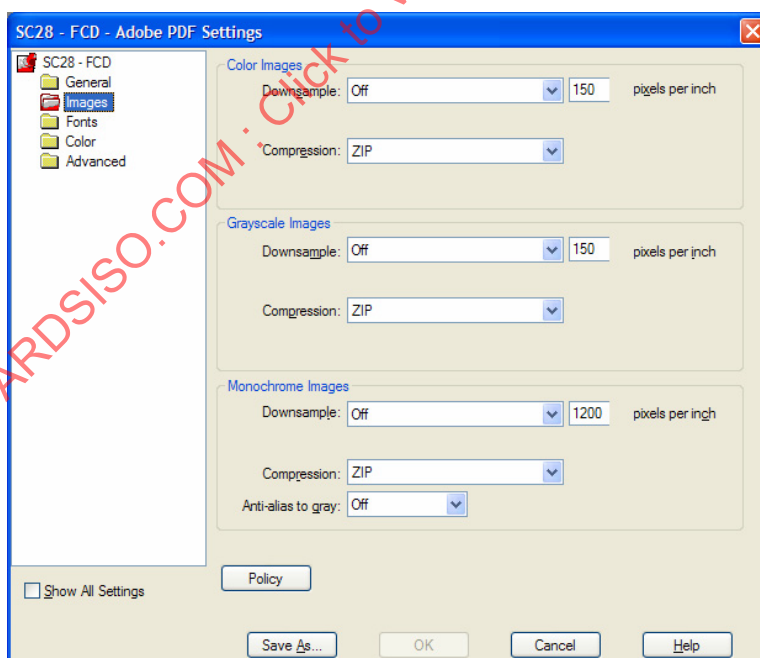
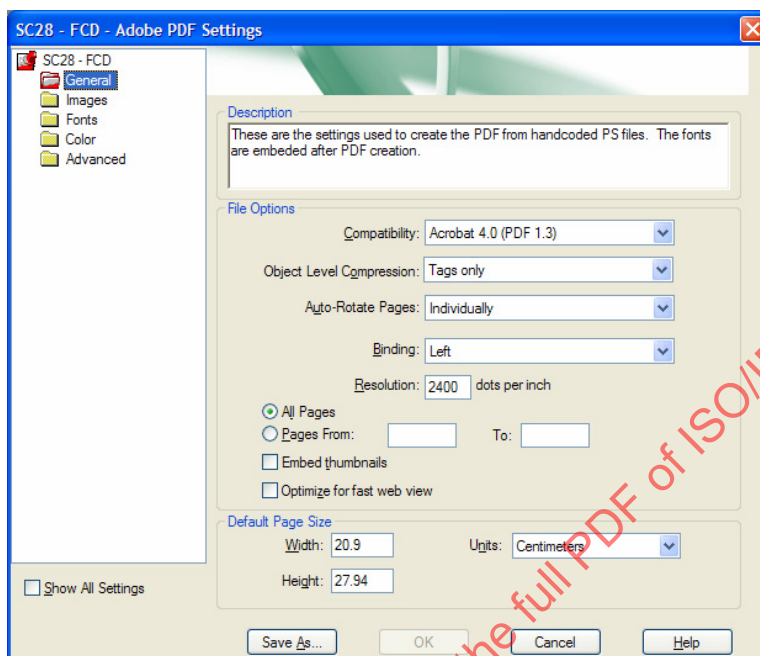
test page suite

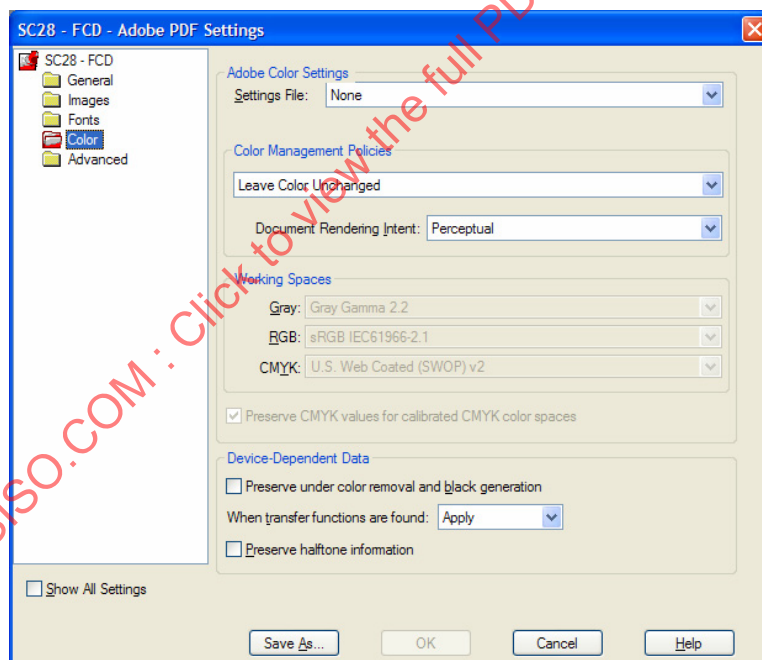
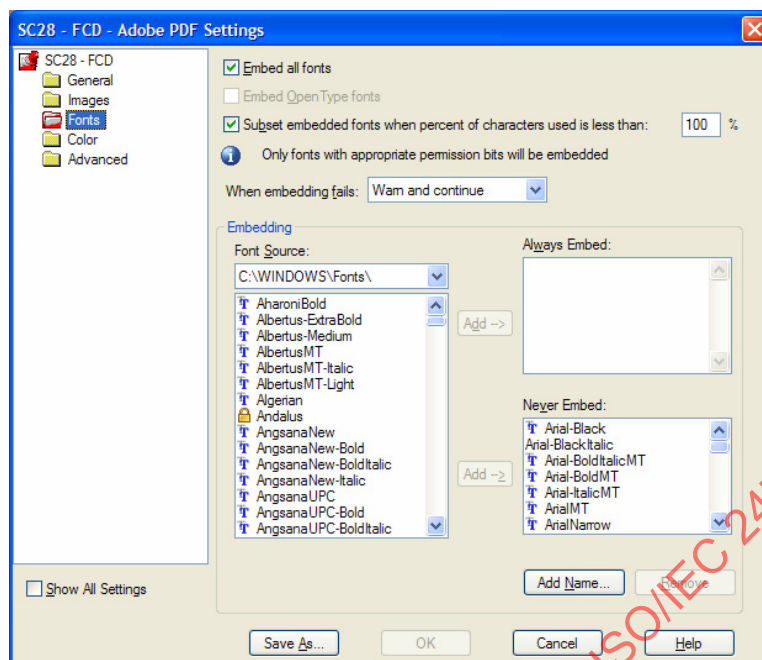
collection of the five documents defined in this International Standard

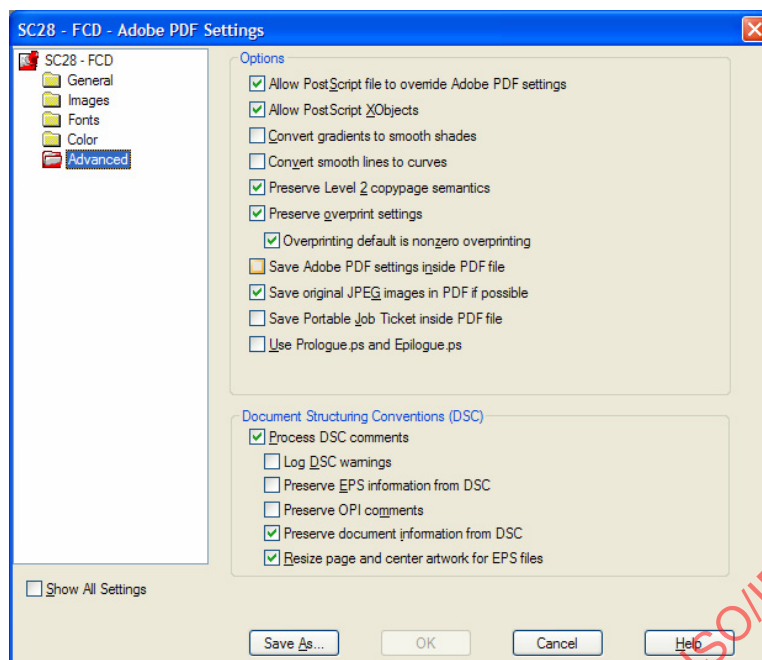
NOTE There are four customer type documents and a diagnostic page to assess ink/toner out. They are meant to be printed as a single five page job.

4 Conversion from PostScript to PDF

The base files for the test pages are created in hand coded PostScript (PS). All five pages are included in a single PS file. This file is then converted to PDF version 1.3 and the fonts are embedded using Acrobat®. The screen shots below show the configuration that is used to generate the final PDFs using Adobe Acrobat® Standard version 7.0.







5 Conversion from CMYK to RGB

All of the colours within the hand coded PS files are defined using setcmyk and a set of CMYK values to simplify colour balancing during test suite development. Most office work flows are RGB and the final PDF files are intended to represent average office environments. To make sure that a well defined conversion from CMYK to RGB occurs, the conversion from CMYK to RGB is defined within the PS file. In some cases the internal conversion from CMYK to RGB can result in black elements being printed in a composite black instead of black colourant only. For this reason a defined method was established to convert from CMYK to RGB and preserve black only elements. There are three cases that are considered:

Case 1: $C=Y=M=0$; $K > 0 \rightarrow R=G=B=1.0 - K$ K is the only colour used, set RGB all to an equal value.

Case 2: $C=Y=M > 0$; $K=0 \rightarrow R=G=B=1.0 - C$ C, M and Y are equal (composite black) set RGB all to an equal value.

Case 3: C, Y, M & K are all non-zero and not equal $\rightarrow$ In this case:

$$R = 1.0 - \min(1.0, C + K)$$

$$G = 1.0 - \min(1.0, M + K)$$

$$B = 1.0 - \min(1.0, Y + K)$$

This represents the majority of colour conversions.

NOTE These colour conversions are simplified for the purpose of clarity in the context of ISO/IEC 24712. These test pages are NOT recommended for use in colour quality evaluations.

6 Page Descriptions

Only the PDF versions of the documents will be used for yield testing. The fonts used in the documents have been uniquely named to try to prevent font substitution from occurring. The font names included in the definitions below are abbreviations of the font names used in the PDF file. This was done to simplify the printed definitions. If font substitution does occur, the LSA logo will not be properly reproduced. The page size for all of the pages is 209 mm x 279 mm. This allows the documents to be printed on either letter or A4 paper. The distance between the "L" shaped marks in the corner of each page are 170 mm for the short edge and 250mm for the long edge. A measurement must be made for short edge feeding paper and the distance shall be $170.0\text{mm} \pm 1\%$. For long edge feeding paper this measurement shall be $250.0\text{mm} \pm 1\%$. This is done because image stretch can occur in the feeding direction that does not affect the use of toner.

For the testing to be valid, the files shall be printed as a complete five page suite as a single job. The suite is designed to use approximately equal amounts of C, M, Y and K colourants. In practice, each printer will use unequal amounts after the documents are processed through the unique colour conversions of the printer under test.

The test must be conducted using the most recent official electronic test file as the input. The most recent official file can be located at <http://www.iso.org/jtc1/sc28>*. Failure to use the correct file will invalidate the test results.

* To be published

6.1 Business Letter

The first page in the test suite is an example of a business letter. There are multiple fonts and type sizes used in the document. A colour logo graphic is presented along with a coloured bar chart. In each corner of the page are "L" shaped marks for measurement of the page size. In the long direction the distance between these marks shall be 250 mm $\pm$ 1%. In the short direction the distance between marks shall be 170 mm $\pm$ 1%. A detailed description of the page is given below:

Number	Feature	Position		Colour	Font	Comments
		X	Y			
1	Fiducial	0.00	0.00	0 0 0 1 setcmyk		5mm x 5mm tic at 0° angle 0.3 mm linewidth
2	Fiducial	0.00	250.00	0 0 0 1 setcmyk		5mm x 5mm tic at 90° angle 0.3 mm linewidth
3	Fiducial	170.00	0.00	0 0 0 1 setcmyk		5mm x 5mm tic at -90° angle 0.3 mm linewidth
4	Fiducial	170.00	250.00	0 0 0 1 setcmyk		5mm x 5mm tic at 180° angle 0.3 mm linewidth
5	LSA Logo	95.00	213.00	0.0 1.0 1.0 0.0 setcmyk		Definition given in Apendix F all but the vector graphic specified in 0.0 0.0 0.0 1.0 setcmyk
6	Line	12.00	226.50	0 0 0 1 setcmyk		0.5 mm wide 79 mm long 0 degree
7	Text	12.00	212.00	0 0 0 1 setcmyk	Serif 10 pt	12pt spacing between lines "Stephen J. Singel" // "Fabanda Sinpat Abarress" // "Tendar, BSF" // "URANGLE"
8	Text	12.00	188.50	0 0 0 1 setcmyk	Serif 10 pt	"16 December 2004"
9		12.00	180.00	0 0 0 1 setcmyk	Serif 10 pt	"Johnathan Q. Maderia"
10		12.00	172.00	0 0 0 1 setcmyk	Serif 10 pt	12pt spacing between lines "Inpert Mampem Abareess" // "2343 Stantin Dawer Lank" // "Benhibe, SDF"
11		12.00	152.50	0 0 0 1 setcmyk	Serif 10 pt	"Mr. Maderia:"
12	Paragraph	12.00	145.50			12pt spacing between lines 150 mm wide text
13	Paragraph	56.00	122.00	0 0 0 1 setcmyk	Serif 10 pt	"Nam liber tempor cum soluta nobis eleifend ption cogue nihil consequat, velillum. Dolore eu zril feugiat nulla acilisis at vero eros accumsan et iust odio dignis sim qui blandit praesent lutatum ril lobortis nisl ut aliquip exea commodo consequat. Duis autem vel eum irure dolor in hendreritin ulputate velit esse molestie tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut wisi enim ad minim vhniam, quis nostrud exerci tation ullam corpersus cipit tis nisl"

				0 0 0 1 setcmyk	Serif 10 pt	"Amet, Amet, consectetur adipiscing elit, sed diam nonummy nibh veniam, eceps adipiscing elit, sed diam nonummy nibh laoreet dolore magna aliam erat volutpat. Ut wisi enim minim veniam, quisient nostrud. Solyom uta nobis eleifendoptn cogue nihil imerdiet domg id quod mzim plerat facer posim aum. Lorem ipsum dolor sit amet, consectetur. Duis autem vel eum iriure dolor in hendreritin vulputate velit cesse ea commodo molestie." // " Nam liber tempor cum soluta nobis eleifend option cogue nihil consequat, velillum. Dolore eu zril feugiat nulla facilisis at vero eros accumsan et iusto odio dignissim qui blandit praesent domg id quod mzim plerat facer posim aum."
14	Paragraph	12.00	83.5			12pt spacing between lines 150 mm wide text
				0 0 0 1 setcmyk	Serif 10 pt	"Integer sagittis lacus vel nulla. Morbi convallis hendrerit risus. Nullam interdum, enim non gravida feugiat, quam ante consequat metus, sed molestie dolor tortor eu ipsum. Phasellus semper risus sit amet diam. Cras wisi arcu, pulvinar nec, molestie fringilla, vestibulum iaculis, mi. Praesent nonummy pulvinar odio."
15	Paragraph	12.00	37.5			12pt spacing between lines 150 mm wide text
				0 0 0 1 setcmyk	Serif 10 pt	"Duis vitae eros. Fusce suscipit. Etiam justo massa, semper feugiat, portitor sit amet, nonummy in, quam. Aenean nulla magna, elementum ut, eleifend ac, aliquam ut, risus. Morbi laoreet elementum dui. Vestibulum nibh sapien, rhoncus non, lobortis nec, ullamcorper a, enim. Praesent ultricies enim non lorem. Curabitur consectetur, diam et nonummy convallis, quam quam tristique nulla, pulvinar blandit ipsum arcu a tellus. Phasellus dolor. Ut ullamcorper venenatis quam. Quisque egestas erat."
16	Text	12	38	0 0 0 1 setcmyk	Serif 10 pt	"Singabet,"
17	Text	12	19			12 pt spacing between lines
18				0 0 0 1 setcmyk	Serif 10 pt	"Stephen J. Singel" // "Demperta Aminerimum" // "Fabanda Sinpat Abarress"
19	Text	12	4.5	0 0 0 1 setcmyk	Serif 10 pt	"SJS:dwg"
20	Graph	12	91			
21	x Fill	0	0	0 0 0 0 setcmyk		7mm x 34mm solid fill
22	x Fill	7	0	0 0 0 1 setcmyk		7mm x 28.5mm solid fill
23	x Fill	14	0	0 0 0 0 setcmyk		7mm x 19mm solid fill
24	x Fill	21	0	0 0 0 1 setcmyk		7mm x 10.5mm solid fill
25	x Fill	28	0	0 0 0 0 setcmyk		7mm x 4mm solid fill
26	x Box	0	0	0 0 0 1 setcmyk		7mm x 34mm 0.25 mm line thickness rectangle
27	x Box	7	0	0 0 0 1 setcmyk		7mm x 28.5mm 0.25 mm line thickness rectangle
28	x Box	14	0	0 0 0 1 setcmyk		7mm x 19mm 0.25 mm line thickness rectangle
29	x Box	21	0	0 0 0 1 setcmyk		7mm x 10.5mm 0.25 mm line thickness rectangle
30	x Box	28	0	0 0 0 1 setcmyk		7mm x 4mm 0.25 mm line thickness rectangle
31	x Text	2.5	-3	0 0 0 1 setcmyk	SanSerif 8pt	"A"
32	x Text	9.5	-3	0 0 0 1 setcmyk	SanSerif 8pt	"B"
33	x Text	16.5		0 0 0 1 setcmyk	SanSerif 8pt	"C"
34	x Text	23.5		0 0 0 1 setcmyk	SanSerif 8pt	"D"
35	x Text	30.5		0 0 0 1 setcmyk	SanSerif 8pt	"E"
36	x Text	15	30	0 0 0 1 setcmyk	SanSerif 8pt	"Stnecerp Balrecneps"
NOTE: x denotes that the given coordinate system is zeroed on the last given paper position						

6.2 Spreadsheet

The second page in the suite is a spreadsheet. There are multiple fonts and type sizes used in the document. A colour logo graphic is presented along with a coloured 3 dimensional bar chart and the LSA logo. In each corner of the page are "L" shaped marks for measurement of the page size. In the long direction the distance between these marks shall be 250 mm $\pm$ 1%. In the short direction the distance between marks shall be 170 mm $\pm$ 1%. A detailed description of the page is given below:

Number	Feature	Position		Colour	Font	Comments
		X	Y			
1	Fiducial	0.0	0.0	0.0 setgray		5mm x 5mm tic at 0° angle 0.3 mm linewidth
2	Fiducial	250.0	0.0	0.0 setgray		5mm x 5mm tic at 90° angle 0.3 mm linewidth
3	Fiducial	0.0	170.0	0.0 setgray		5mm x 5mm tic at -90° angle 0.3 mm linewidth
4	Fiducial	250.0	170.0	0.0 setgray		5mm x 5mm tic at 180° angle 0.3 mm linewidth
5	LSA Logo	171.0	163.5	1 1 0 0 setcmyk		Definition given in Apendix F
6	Text	8.0	157.0	0 0 0 1 setcmyk	SanSerif- Bold 32pt	"Sempter Fdut Aplorious"
7	Fill	7.0	147.0			Gradient Fill from 0 1 1 0 CMYK to 0 0 0 0 in 200 steps 140mm x 7 mm
8	Text	8.0	151.5	0 0 0 0 setcmyk	SanSerif 6pt	"Donec viate diam ppellentesque sem luctus sempter 2005."
9	Text	8.0	148.5	0 0 0 0 setcmyk	SanSerif 6pt	"Phasellus dapibus, acru nec suspipt nonummy loren sceleique tellus."
10	Filled Box	4.0	124.0	0.2 0 0 0 setcmyk		141mm x 15mm
11	Filled Box	4.0	104.5	0.2 0 0 0 setcmyk		141mm x 15mm
12	Filled Box	4.0	77.0	0.2 0 0 0 setcmyk		141mm x 23mm
13	Filled Box	4.0	48.5	0.2 0 0 0 setcmyk		141mm x 23mm
14	Filled Box	4.0	28.3	0.2 0 0 0 setcmyk		141mm x 15mm
15	Filled Box	4.0	100.0	0 0.9 0.9 0 setcmyk		141mm x 4.5mm
16	Filled Box	4.0	43.3	0 0.9 0.9 0 setcmyk		141mm x 4.5mm
17	Text	63.0	140.5	0 0 0 1 setcmyk	SanSerif- Bold 10pt	"FY05"
18	Text	81.0	140.5	0 0 0 1 setcmyk	SanSerif- Bold 10pt	"FY06"
19	Text	98.5	140.5	0 0 0 1 setcmyk	SanSerif- Bold 10pt	"FY07"
20	Text	117.0	140.5	0 0 0 1 setcmyk	SanSerif- Bold 10pt	"FY08"
21	Text	135.0	140.5	0 0 0 1 setcmyk	SanSerif- Bold 10pt	"FY09"
22	Text	5.0	135.5	0 0 0 1 setcmyk	SanSerif 10pt	"Nuc Facilis:"
23	Text	7.0	131.0	0 0 0 1 setcmyk	SanSerif 10pt	"Tembo Facilis"
24	Text	56.0	131.0	0 0 0 1 setcmyk	SanSerif 10pt	"\$"

25	Text	72.0	131.0	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "14,609"
26	Text	75.0	131.0	0 0 0 1 setcmyk	SanSerif 10pt	"\$"
27	Text	90.5	131.0	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "11,592"
28	Text	93.0	131.0	0 0 0 1 setcmyk	SanSerif 10pt	"\$"
29	Text	107.5	131.0	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "9,462"
30	Text	111.0	131.0	0 0 0 1 setcmyk	SanSerif 10pt	"\$"
31	Text	15.5	131.0	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "7,569"
32	Text	129.0	131.0	0 0 0 1 setcmyk	SanSerif 10pt	"\$"
33	Text	144.0	131.0	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "6,484"
34	Text	7.0	126.5	0 0 0 1 setcmyk	SanSerif 10pt	"Intemboint Facilis"
35	Text	72.0	126.5	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "17,901"
36	Text	90.5	126.5	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "13,650"
37	Text	107.5	126.5	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "11,310"
38	Text	15.5	126.5	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "9,192"
39	Text	144.0	126.5	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "8,192"
40	Text	5.0	120.5	1 1 0 0 setcmyk	SanSerif- Bold 10pt	"Troper Facilis"
41	Text	72.0	120.5	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "32,510"
42	Text	90.5	120.5	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "25,350"
43	Text	107.5	120.5	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "20,772"
44	Text	15.5	120.5	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "16,761"
45	Text	144.0	120.5	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "14,494"
46	Text	5.0	116.0	0 0 0 1 setcmyk	SanSerif 10pt	"Bet Repanides:"
47	Text	7.0	111.5	0 0 0 1 setcmyk	SanSerif 10pt	"Elamber"
48	Text	72.0	111.5	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "27,125"
49	Text	90.5	111.5	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "27,380"
50	Text	107.5	111.5	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "17,122"
51	Text	15.5	111.5	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "13,256"
52	Text	144.0	111.5	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "11,880"
53	Text	7.0	107.0	0 1 1 0 setcmyk	SanSerif 10pt	"Sempter"
54	Text	72.0	107.0	0 1 1 0 setcmyk	SanSerif 10pt	Right Justified "4,394"

55	Text	90.5	107.0	0 1 1 0 setcmyk	SanSerif 10pt	Right Justified "3,611"
56	Text	107.5	107.0	0 1 1 0 setcmyk	SanSerif 10pt	Right Justified "3,195"
57	Text	15.5	107.0	0 1 1 0 setcmyk	SanSerif 10pt	Right Justified "3,154"
58	Text	144.0	107.0	0 1 1 0 setcmyk	SanSerif 10pt	Right Justified "2,614"
59	Text	5.0	101.0	0 0 0 0 setcmyk	SanSerif- Bold 10pt	"Troper Yet Reoanides"
60	Text	72.0	101.0	0 1 1 0 setcmyk	SanSerif- Bold 10pt	Right Justified "31,515"
61	Text	90.5	101.0	0 1 1 0 setcmyk	SanSerif- Bold 10pt	Right Justified "24,991"
62	Text	107.5	101.0	0 1 1 0 setcmyk	SanSerif- Bold 10pt	Right Justified "20,317"
63	Text	15.5	101.0	0 1 1 0 setcmyk	SanSerif- Bold 10pt	Right Justified "16,410"
64	Text	144.0	101.0	0 1 1 0 setcmyk	SanSerif- Bold 10pt	Right Justified "14,494"
65	Text	5.0	96.5	0 0 0 1 setcmyk	SanSerif 10pt	"Repanides ent Facilisis:"
66	Text	7.0	92.0	0 0 0 1 setcmyk	SanSerif 10pt	"Facilisis zu Pontone Eber"
67	Text	72.0	92.0	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "17,069"
68	Text	90.5	92.0	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "13,021"
69	Text	107.5	92.0	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "10,021"
70	Text	15.5	92.0	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "8,018"
71	Text	144.0	92.0	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "7,834"
72	Text	7.0	87.5	0 0 0 1 setcmyk	SanSerif 10pt	"Facilisis zu Pontone Eber"
73	Text	72.0	87.5	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "17,069"
74	Text	90.5	87.5	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "13,021"
75	Text	107.5	87.5	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "10,021"
76	Text	15.5	87.5	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "8,018"
77	Text	144.0	87.5	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "7,834"
78	Text	7.0	83.0	0 0 0 1 setcmyk	SanSerif 10pt	"Facilisis be Reptor"
79	Text	72.0	83.0	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "2,946"
80	Text	90.5	83.0	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "2,478"
81	Text	107.5	83.0	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "2,102"
82	Text	15.5	83.0	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "1,910"
83	Text	144.0	83.0	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "1,760"
84	Text	7.0	78.5	0 0 0 1 setcmyk	SanSerif 10pt	"Renters ent Dictiument"

85	Text	72.0	78.5	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "2,302"
86	Text	90.5	78.5	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "2,027"
87	Text	107.5	78.5	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "1,761"
88	Text	15.5	78.5	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "1,436"
89	Text	144.0	78.5	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "1,289"
90	Text	7.0	74.0	0 0 0 1 setcmyk	SanSerif 10pt	"Solig, Getenre ent Atmed"
91	Text	72.0	78.5	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "5,365"
92	Text	90.5	78.5	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "4,925"
93	Text	107.5	78.5	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "4,554"
94	Text	15.5	78.5	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "3,642"
95	Text	144.0	78.5	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "2,401"
96	Text	5.0	72.5	1 1 0 0 setcmyk	SanSerif- Bold 10pt	"Troper Repanides ent Facilisis"
97	Text	7.0	68.0	0 0 0 1 setcmyk	SanSerif 10pt	"Impress Oteber ent Obenr, Num"
98	Text	72.0	68.0	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "270"
99	Text	90.0	68.0	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "29"
100	Text	107.5	68.0	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "25"
101	Text	15.5	68.0	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "23"
102	Text	144.0	68.0	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "20"
103	Text	7.0	63.5	0 0 0 1 setcmyk	SanSerif 10pt	"Impress Repanides"
104	Text	72.0	63.5	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "206"
105	Text	90.5	63.5	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "155"
106	Text	107.5	63.5	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "121"
107	Text	15.5	63.5	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "93"
108	Text	144.0	63.5	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "87"
109	Text	7.0	59.0	0 0 0 1 setcmyk	SanSerif 10pt	"Repanids Betome Tanxer"
110	Text	72.0	59.0	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "3,632"
111	Text	90.5	59.0	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "2,423"
112	Text	107.5	59.0	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "1,783"
113	Text	15.5	59.0	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "1,334"
114	Text	144.0	59.0	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "1,143"

115	Text	7.0	54.5	0 0 0 1 setcmyk	SanSerif 10pt	"Popilemse fur Taxer"
116	Text	72.0	59.0	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "1,199"
117	Text	90.5	59.0	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "824"
118	Text	107.5	59.0	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "606"
119	Text	15.5	59.0	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "863"
120	Text	144.0	59.0	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "496"
121	Text	5.0	53.5	0 0 0 0 setcmyk	SanSerif- Bold 10pt	"Net Epanteis"
122	Text	72.0	53.5	0 1 1 0 setcmyk	SanSerif 10pt	Right Justified "2,433"
123	Text	90.5	53.5	0 1 1 0 setcmyk	SanSerif 10pt	Right Justified "1,599"
124	Text	107.5	53.5	0 1 1 0 setcmyk	SanSerif 10pt	Right Justified "1,177"
125	Text	15.5	53.5	0 1 1 0 setcmyk	SanSerif 10pt	Right Justified "471"
126	Text	144.0	53.5	0 1 1 0 setcmyk	SanSerif 10pt	Right Justified "647"
127	Text	5.0	49.0	0 0 0 1 setcmyk	SanSerif 10pt	"Ipen epanteis doctern:"
128	Text	7.0	44.5	0 0 0 1 setcmyk	SanSerif 10pt	"Pen Epanteis"
129	Text	72.0	44.5	0 1 1 0 setcmyk	SanSerif 10pt	Right Justified "4.63"
130	Text	90.5	44.5	0 1 1 0 setcmyk	SanSerif 10pt	Right Justified "3.07"
131	Text	107.5	44.5	0 1 1 0 setcmyk	SanSerif 10pt	Right Justified "2.33"
132	Text	15.5	44.5	0 1 1 0 setcmyk	SanSerif 10pt	Right Justified "0.94"
133	Text	144.0	44.5	0 1 1 0 setcmyk	SanSerif 10pt	Right Justified "1.30"
134	Text	7.0	40.0	0 0 0 1 setcmyk	SanSerif 10pt	"Gelpe Divedenum"
135	Text	72.0	40.0	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "0.70"
136	Text	90.5	40.0	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "0.55"
137	Text	107.5	40.0	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "0.45"
138	Text	15.5	40.0	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "0.36"
139	Text	144.0	40.0	0 0 0 1 setcmyk	SanSerif 10pt	Right Justified "0.32"
140	Text	5.0	34.0	0 0 0 1 setcmyk	SanSerif- Bold 10pt	"Et Hare Sil:"
141	Text	7.0	29.5	1 1 0 0 setcmyk	SanSerif 10pt	"Toper Grendum"
142	Text	56.0	29.5	1 1 0 0 setcmyk	SanSerif 10pt	"\$"
143	Text	72.0	29.5	1 1 0 0 setcmyk	SanSerif 10pt	Right Justified "24,427"
144	Text	75.0	29.5	1 1 0 0 setcmyk	SanSerif 10pt	"\$"

145	Text	90.5	29.5	1 1 0 0 setcmyk	SanSerif 10pt	Right Justified "19,567"
146	Text	93.0	29.5	1 1 0 0 setcmyk	SanSerif 10pt	"\$"
147	Text	107.5	29.5	1 1 0 0 setcmyk	SanSerif 10pt	Right Justified "16,736"
148	Text	111.0	29.5	1 1 0 0 setcmyk	SanSerif 10pt	"\$"
149	Text	15.5	29.5	1 1 0 0 setcmyk	SanSerif 10pt	Right Justified "13,700"
150	Text	129.0	29.5	1 1 0 0 setcmyk	SanSerif 10pt	"\$"
151	Text	144.0	29.5	1 1 0 0 setcmyk	SanSerif 10pt	Right Justified "11,973"
152	Text	7.0	25.0	0 1 1 0 setcmyk	SanSerif 10pt	"Delpereeds"
153	Text	72.0	25.0	0 1 1 0 setcmyk	SanSerif 10pt	Right Justified "102,300"
154	Text	90.5	25.0	0 1 1 0 setcmyk	SanSerif 10pt	Right Justified "98,400"
155	Text	107.5	25.0	0 1 1 0 setcmyk	SanSerif 10pt	Right Justified "69,200"
156	Text	15.5	25.0	0 1 1 0 setcmyk	SanSerif 10pt	Right Justified "92,600"
157	Text	144.0	25.0	0 1 1 0 setcmyk	SanSerif 10pt	Right Justified "89,000"
158	Text	7.0	20.5	1 1 0 0 setcmyk	SanSerif 10pt	"Repanides pen Delpereeds"
159	Text	56.0	20.5	1 1 0 0 setcmyk	SanSerif 10pt	"\$"
160	Text	72.0	20.5	1 1 0 0 setcmyk	SanSerif 10pt	Right Justified "308,104"
161	Text	75.0	20.5	1 1 0 0 setcmyk	SanSerif 10pt	"\$"
162	Text	90.5	20.5	1 1 0 0 setcmyk	SanSerif 10pt	Right Justified "253,974"
163	Text	93.0	20.5	1 1 0 0 setcmyk	SanSerif 10pt	"\$"
164	Text	107.5	20.5	1 1 0 0 setcmyk	SanSerif 10pt	Right Justified "211,195"
165	Text	111.0	20.5	1 1 0 0 setcmyk	SanSerif 10pt	"\$"
166	Text	15.5	20.5	1 1 0 0 setcmyk	SanSerif 10pt	Right Justified "177,214"
167	Text	129.0	20.5	1 1 0 0 setcmyk	SanSerif 10pt	"\$"
168	Text	144.0	20.5	1 1 0 0 setcmyk	SanSerif 10pt	Right Justified "162,854"
169	Graph	170.0	60.0			
170	x Filled Box	0.0	0.0			0 0 0 1 setcmyk border .3mm wide filled with 0.4 0.2 0 0 setcmyk. Left side background
171	x Filled Box	0.0	0.0			0 0 0 1 setcmyk border .3mm wide filled with 0.2 0.1 0 0 setcmyk. Center background
172	x Filled Box	0.0	0.0			0 0 0 1 setcmyk border .3mm wide filled with 0.8 0.4 0 0 setcmyk. Bottom background

173	x Text	2.0	-9.0	0 0 0 0 setcmyk	SanSerif 10pt	45° rotated text "FY 05"
174	x Text	12.0	-9.0	0 0 0 0 setcmyk	SanSerif 10pt	45° rotated text "FY 06"
175	x Text	22.0	-9.0	0 0 0 0 setcmyk	SanSerif 10pt	45° rotated text "FY 07"
176	x Text	32.0	-9.0	0 0 0 0 setcmyk	SanSerif 10pt	45° rotated text "FY 08"
177	x Text	42.0	-9.0	0 0 0 0 setcmyk	SanSerif 10pt	45° rotated text "FY 09"
178	x Filled Column	10.0	8.0			8mmx8mmx15mm box on a 25° projected angle. Outlined by a 0 0 0 1 cmyk 0.15mm border. front fill gradient: 1 0 1 0 to 0 0 1 0 to 0 1 1 0 in 200 steps side fill gradient: 1 0 1 0.25 to 0 0 1 0.25 to 0 1 1 0.25 in 200 steps. Top fill :0 1 .8 0
179	x Filled Column	20.0	8.0			8mmx8mmx24mm same as element #178
180	x Filled Column	30.0	8.0			8mmx8mmx20mm same as element #178
181	x Filled Column	40.0	8.0			8mmx8mmx30mm same as element #178
182	x Filled Column	50.0	8.0			8mmx8mmx13mm same as element #178
183	x Filled Column	5.0	2.0			8mmx8mmx10mm box on a 25° projected angle. Outlined by a 0 0 0 1 cmyk 0.15mm border. front fill gradient: 0.5 1 0 0 to 0 1 0 0 to 1 0 0 0 in 200 steps side fill gradient: 0.5 1 0 0.25 to 0 1 0 0.25 to 1 0 0 0.25 in 200 steps. Top fill: 0.8 .1 0 0
184	x Filled Column	15.0	2.0			8mmx8mmx14mm same as element #183
185	x Filled Column	25.0	2.0			8mmx8mmx8mm same as element #183
186	x Filled Column	35.0	2.0			8mmx8mmx27mm same as element #183
187	x Filled Column	45.0	2.0			8mmx8mmx17mm same as element #183

6.3 Newsletter

The third page in the suite is an example of a newsletter. There are multiple fonts and type sizes used in the document. There is a colour sweep in the banner of the page and a small photograph. In each corner of the page are "L" shaped marks for measurement of the page size. In the long direction the distance between these marks shall be 250 mm $\pm$ 1%. In the short direction the distance between marks shall be 170 mm $\pm$ 1%. A detailed description of the page is given below:

Number	Feature	Position		Colour	Font	Comments
		X	Y			
1	Fiducial	0	0	0 0 0 1 setcmyk		5mm x 5mm tic at 0° angle 0.3 mm linewidth
2	Fiducial	0	250	0 0 0 1 setcmyk		5mm x 5mm tic at -90° angle 0.3 mm linewidth
3	Fiducial	170	0	0 0 0 1 setcmyk		5mm x 5mm tic at 90° angle 0.3 mm linewidth
4	Fiducial	170	250	0 0 0 1 setcmyk		5mm x 5mm tic at 180° angle 0.3 mm linewidth
5	Fill	0	211.5			170 x 22.5 filled box in 500 steps from .3 .3 0 0 to 0 .3 0 0 to 0 .3 .3 0 to 0 0 .3 0 to .3 0 .3 0 to .3 0 0 0 cmyk
6	Banner Text	115	221.5	0 0 0 1 setcmyk	SanSerif 36pt	"Ve Emerirre Et Tum Ober"
7	Banner Text	5	214	0 0 0 1 setcmyk	SanSerif 10pt	"14 December 2004"
8	Banner Text	148.5	214	0 0 0 1 setcmyk	SanSerif 10pt	"MCLXLVII"
9	Line in Banner	0	219	0 0 0 1 setcmyk		0° 170 mm 1mm wide line
10	Banner Border	0	211.5	0 0 0 1 setcmyk		170 x 22.5 box outline 1.25 mm linewidth
11	Text Box	1	190	0 0 0 1 setcmyk	SanSerif 10pt	39mm wide "Nullam ut lorem. Sed vehicula leo sit amet elit. Maurisipsum mi, dapibus nec, pharetra in, eleifend vel, risus. Donec urna. Morbi sit amet tortor. In nulla. Ut sodales volutpat erat. Morbi dictum nibh quis est."
12	Text Box	1	144.1	0 0 0 1 setcmyk	SanSerif 10pt	39mm wide "Praesent pellentesque ante. Sed interdum metus non arcu. Donec nec risus nec elit lao-reet sollicitudin. Donec aipsum. Vestibulum nec urna. Nullam non enim at nulla faucibus fringilla. Aenean tortor velit, fermentum quis, venenatis a, ornare in, purus. Proin commodo, libero eu mattis iaculis, nulla massa blandit eros, sed pulvinar risus metus nec tortor, nulla."
13	Text Box	1	62.5	0 0 0 1 setcmyk	SanSerif 10pt	39 mm wide "Morbi at sem. Pellentesque risus. Morbi nec neque. Sed fringilla. Donec et leo. Phasellus lacinia blandit mi. Etiam eget leo at enim pretium malesuada. Vivamus in lorem. Nullam semper tempor lorem. Pellentesque et magna. Nunc porta varius leo. Integer elementum, mi eget tempor vestibulum."
14	Column Header	1	195	0.66 0.70 0.00 0.00 setcmyk	SanSerif 16pt & 10pt	"Lorem"
15	Column Header	1	68	0.66 0.70 0.00 0.00 setcmyk	SanSerif 16pt & 10pt	"Nulla mor nare"

16	Text Box	42	195	0 0 0 1 setcmyk	SanSerif 10pt	84 mm wide "In cursus. Quisque ac dui. Maecenas vehicula. Nam imperdiet risus eget elit. Fusce dictum. Vivamus eu eros. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Pellentesque rhoncus, est in rutrum faucibus, velit leo volutpat purus, a blandit wisi velit quis est. Donec faucibus elementum mi. In pulvinar elit sit amet nisl. Donec dolor augue, suscipit nec, nonummy eget, scelerisque in, est. Integer nisl. Aliquam et lacus eget magna scelerisque blandit. Nullam sapien neque, vulputate non, porttitor nec, faucibus et, est. Ut fringilla turpis ut magna porttitor tempor. Praesent erat. Donec sed erat consequat ligula pulvinar dapibus. Etiam sapien. Donec a risus ut augue tincidunt euismod. Fusce laoreet, risus nec euismod suscipit, orci ligula tempor massa, et ultricies nulla quam ut enim. Quisque in nunc."
17	Text Box	42	120	0 0 0 1 setcmyk	SanSerif 10pt	84 mm wide "Fusce feugiat metus sed augue. Nunc ligula. Aenean lectus elit, pellentesque sit amet, gravida eget, fringilla non, massa. Vestibulum metus neque, feugiat a, imperdiet id, elementum ac, nunc. Suspendisse tempor. Aliquam vitae arcu. Nunc mauris nunc, cursus at, sollicitudin eget, pellentesque et, massa. Nulla vulputate, wisi at consequat gravida, wisi tellus lacinia ante, aliquam consequat lectus eros at nibh. Donec porttitor, libero at iaculis sodales, dui tellus rutrum elit, eu pulvinar neque lorem condimentum dui. Nam vel quam quis lacus egestas lobortis. Pellentesque purus magna, rutrum sed, tincidunt blandit, accumsan ac, orci. In fringilla. Pellentesque rhoncus euismod risus. Nunc nec nisl. Etiam rhoncus, felis et pellentesque consequat, diam ante congue leo, ac vulputate felis purus id ipsum. Proin vestibulum diam quis mauris. Nullam ornare metus in"

18	Text Box	92	52.27	0 0 0 1 setcmyk	SanSerif 10pt	34 mm wide "odio. Duis nisl. Curabitur ullam- corper. Cras elit velit, dictum eget, pharetra ac, cursus id, arcu. Mauris mauris justo, vol utpat non, varius. Aliquam vitae arcu. Nunc mauris nunc, cursus at, solli citudin dictum eget."
19	Column Header	42	124.5	0.66 0.70 0.00 0.20 setcmyk	SanSerif 16pt & 10pt	"Carbitur"
20	Text Box	130	195	0 0 0 1 setcmyk	SanSerif 10pt	39 mm wide "Pellentesque rhoncus, est in rutrum faucibus, velit leo volutpat purus, a blandit wisi velit quis est. Donec faucibus eleme ntum mi. In pulvinar elit sit amet nisl. Donec dolor augue, suscipit nec, non um my eget, scelerisque in, est. Integer nisl."
21	Text Box	130	149.1	0 0 0 1 setcmyk	SanSerif 10pt	39 mm wide "Aliquam et lacus eget magna scelerisque blandit. Nullam sapien neque, vulputate non, porttitor nec, faucibus et, est. Ut fringilla turpis ut magna porttitor tempor. Praesent erat. Donec sed erat consequat ligula pulvinar dapibus. Etiam sapien. Donec a risus ut augue tincidunt euismod. Fusce laoreet, risus nec euismod suscipit, orci ligula tempor massa, et ultricies nulla quam ut."
22	Credit Box	130	60	1 0.4 0.0 setcmyk		39 mm x 9.5 mm filled box with an outline 0.5 mm linewidth of 0 0 0 1 setcmyk
23	Credit Box	130	19	0.35 .3 0 setcmyk		39 mm x 35 mm filled box with an outline 0.5 mm linewidth of 0 0 0 1 setcmyk
24	Lines for Credit Box	130	24	0 0 0 1 setcmyk		0° 39mm line 0.25 mm linewidth
25	Lines for Credit Box	130	29	0 0 0 1 setcmyk		0° 39mm line 0.25 mm linewidth
26	Lines for Credit Box	130	34	0 0 0 1 setcmyk		0° 39mm line 0.25 mm linewidth
27	Lines for Credit Box	130	39	0 0 0 1 setcmyk		0° 39mm line 0.25 mm linewidth
28	Lines for Credit Box	130	44	0 0 0 1 setcmyk		0° 39mm line 0.25 mm linewidth
29	Lines for Credit Box	130	49	0 0 0 1 setcmyk		0° 39mm line 0.25 mm linewidth
30	Lines for Credit Box	151	19	0 0 0 1 setcmyk		90° 35mm line 0.25 mm linewidth
31	Text in Credit Box	134	65.5	0 0 0 1 setcmyk	SanSerif 10pt	"Ve Emerirre Et Tum"
32	Text in Credit Box	145	61.5	0 0 0 1 setcmyk	SanSerif 10pt	"Ober"

33	Text in Credit Box	131	50.5	0 0 0 1 setcmyk	SanSerif 7pt	"Stephan Gore"
34	Text in Credit Box	167.5	50.5	0 0 0 1 setcmyk	SanSerif 7pt Left Justified	"Ediopa"
35	Text in Credit Box	131	45.5	0 0 0 1 setcmyk	SanSerif 7pt	"Aloisia Solyom"
36	Text in Credit Box	167	45.5	0 0 0 1 setcmyk	SanSerif 7pt Left Justified	"Co-Ediops"
37	Text in Credit Box	131	40.5	0 0 0 1 setcmyk	SanSerif 7pt	"Sangrui Meher"
38	Text in Credit Box	167	40.5	0 0 0 1 setcmyk	SanSerif 7pt Left Justified	"Acondant"
39	Text in Credit Box	131	35.5	0 0 0 1 setcmyk	SanSerif 7pt	"Dengle Truta"
40	Text in Credit Box	167	35.5	0 0 0 1 setcmyk	SanSerif 7pt Left Justified	"Poperte"
41	Text in Credit Box	131	30.5	0 0 0 1 setcmyk	SanSerif 7pt	"Tinkel Tempels"
42	Text in Credit Box	167	30.5	0 0 0 1 setcmyk	SanSerif 7pt Left Justified	"Pemperator"
43	Text in Credit Box	131	25.5	0 0 0 1 setcmyk	SanSerif 7pt	"Segteh Traumer"
44	Text in Credit Box	167	25.5	0 0 0 1 setcmyk	SanSerif 7pt Left Justified	"Leagele"
45	Text in Credit Box	131	20.5	0 0 0 1 setcmyk	SanSerif 7pt	"Benken"
46	Text in Credit Box	167	20.5	0 0 0 1 setcmyk	SanSerif 7pt Left Justified	"Woof"
47	Image	42	6.5	CMYK Tiff Image		Picture of a child

6.4 Slide

The fourth page in the suite is an example of a presentation slide. There are multiple fonts and type sizes used in the page. The banner text is filled with a colour sweep. There is a pie chart and bar graph as well as the LSA logo. In each corner of the page are "L" shaped marks for measurement of the page size. In the long direction the distance between these marks shall be 250 mm $\pm$ 1%. In the short direction the distance between marks shall be 170 mm $\pm$ 1%. A detailed description of the page is given below:

Number	Feature	Position		Colour	Font	Comments
		X	Y			
1	Fiducial	0.0	0.0	0.0 setgray		5mm x 5mm tic at 0° angle 0.3 mm linewidth
2	Fiducial	250.0	0.0	0.0 setgray		5mm x 5mm tic at 90° angle 0.3 mm linewidth
3	Fiducial	0.0	170.0	0.0 setgray		5mm x 5mm tic at -90° angle 0.3 mm linewidth

4	Fiducial	250.0	170.0	0.0 setgray		5mm x 5mm tic at 180° angle 0.3 mm linewidth
5	LSA Logo	171	164	0 1 1 0 setcmyk		Definition given in Appendix F
6	Filled Text	10	55		SanSerif 36 pt	"Suscipt Lobortis" filled with a 500 step gradient from .8 .8 0 0 to 0 .8 0 0 to 0 .8 .8 0 to 0 0 .8 0 to .8 0 .8 0 to .8 0 0 0 cmyk
7	filled shape	101	101			arrow 47mm x 20 mm filled with a 500 step gradient from .8 .8 0 0 to 0 .8 0 0 to 0 .8 .8 0 to 0 0 .8 0 to .8 0 .8 0 to .8 0 0 0 cmyk
8	filled box	35	8			178 mm x 58 mm box with 5 mm radiused corners. Filled with .27 .22 0 0 CMYK and bordered with a 1mm 0 1 1 0 cmyk line.
9	filled circle	41.5	58.5	0 1 1 0 setcmyk		3.0 mm diameter circle
10	Text	48	55.5	0 1 1 0 setcmyk	SanSerif 20pt	"Donec citae diam pellenteque sem vitus et ala em"
11	Text	48	48	0 1 1 0 setcmyk	SanSerif 20pt	"luctus semper"
12	filled circle	41.5	37	0 1 1 0 setcmyk		3.0 mm diameter circle
13	Text	48	35	0 1 1 0 setcmyk	SanSerif 20pt	"Praesent nulla lacus ultrices quis um toper bine"
14	filled circle	41.5	24	0 1 1 0 setcmyk		3.0 mm diameter circle
15	Text	48	21	0 1 1 0 setcmyk	SanSerif 20pt	"Maecenas felis leo posuere quis sagittis pradem"
16	filled circle	41.5	11.5	0 1 1 0 setcmyk		3.0 mm diameter circle
17	Text	48	9	0 1 1 0 setcmyk	SanSerif 20pt	"Pellentesque in dui et sollicitudin dictum etoper"
18	Pie Chart	5	75			3-d piechart drawn on a -15° angle
19	x Pie Slice	40	38.3			110° slice 5mm thick top colour: 0 0.4 0.8 0 CMYK side colour: 0 0.5 1 0 CMYK
20	x Pie Slice	36	39.3			45° slice 5mm thick top colour: 0.67 0.64 0.35 0 CMYK side colour: 0.43 0.36 0.04 0 CMYK
21	x Pie Slice	40	38.3			90° slice 5mm thick top colour: 0.64 0.27 0.54 0 CMYK side colour: 0.54 0.06 0.41 0 CMYK
22	x Pie Slice	40	38.3			115° slice 5mm thick top colour: 0 0.8 0.8 0 CMYK side colour: 0 1 1 0 CMYK
23	x Text	48	6	0 0 0 1 setcmyk	SanSerif 14pt	"Ut"
24	x Text	-2	21	0 0 0 1 setcmyk	SanSerif 14pt	"Wisi"
25	x Text	17	70	0 0 0 1 setcmyk	SanSerif 14pt	"Enim"
26	x Text	65	52	0 0 0 1 setcmyk	SanSerif 14pt	"Ad**"
27	x Text	2	1	0 0 0 1 setcmyk	SanSerif 10pt	"**Hendrerit in vulputate velit esse modestie"

28	x Text	0	80	0 0 0 1 setcmyk	SanSerif 24pt	"Adipiscing"
29	Bar Graph	160	83			
30	x Line	0	0	0 0 0 1 setcmyk		0° 45 mm line 0.3 mm width
31	x Line	0	0	0 0 0 1 setcmyk		90° 50 mm line 0.3 mm width
32	x filled box	0	0			10 mm x 45mm box with a 200 step gradient fill from 1 0 1 0 to 0 0 1 0 to 0 1 1 0 and a 0.25 mm outline of 0 0 0 1 CMYK
33	x filled box	10	0			10 mm x 35mm box with a 200 step gradient fill from 1 0 1 0 to 0 0 1 0 to 0 1 1 0 and a 0.25 mm outline of 0 0 0 1 CMYK
34	x filled box	20	0			10 mm x 25mm box with a 200 step gradient fill from 1 0 1 0 to 0 0 1 0 to 0 1 1 0 and a 0.25 mm outline of 0 0 0 1 CMYK
35	x filled box	30	0			10 mm x 15mm box with a 200 step gradient fill from 1 0 1 0 to 0 0 1 0 to 0 1 1 0 and a 0.25 mm outline of 0 0 0 1 CMYK
36	x Text	4	-8	0 0 0 1 setcmyk	SanSerif 10pt	50° rotated text "Wisi"
37	x Text	14	-8	0 0 0 1 setcmyk	SanSerif 10pt	50° rotated text "Enim"
38	x Text	25	-8	0 0 0 1 setcmyk	SanSerif 10pt	50° rotated text "Ad"
39	x Text	35	-8	0 0 0 1 setcmyk	SanSerif 10pt	50° rotated text "Ut"
40	x Text	15	44	0 0 0 1 setcmyk	Serif 14pt	"Stnecerp Balrecneps"

6.5 Diagnostic

The final page in the suite is the diagnostic page. This page is designed to determine what colourant is depleted by using the bands of colour surrounding the edges of the page. The bars of colour around the outside of the page are where the ink/toner out is determined. The blocks of colour in the middle of the page are to stress foam based inkjet printing systems so that an accurate assessment of ink out can be established. The page is designed so that the page can be used on either portrait or landscape printers. A detailed description of the page is given below:

Number	Feature	Position		Colour	Font	Comments
		X	Y			
1	filled box	0	0	0 0 0 0.2 setcmyk		2 mm x 250 mm
2	filled box	4	4	0 0.2 0.2 0 0 setcmyk		2 mm x 242 mm
3	filled box	8	8	0 0.2 0 0 0 0 setcmyk		2 mm x 234 mm
4	filled box	12	12	0.20 0.20 0 0 setcmyk		2 mm x 226 mm
5	filled box	16	16	0.20 0 0 0 0 setcmyk		2 mm x 218 mm
6	filled box	20	20	0.20 0 0.20 0 setcmyk		2 mm x 210 mm

7	filled box	24	24	0 0 0.20 0 setcmyk		2 mm x 202 mm
8	filled box	0	248	0 0 0 0.2 setcmyk		170 mm x 2 mm
9	filled box	4	244	0 0.2 0.2 0 0 setcmyk		162 mm x 2 mm
10	filled box	8	240	0 0.2 0 0 0 setcmyk		154 mm x 2 mm
11	filled box	12	236	0.20 0.20 0 0 setcmyk		146 mm x 2 mm
12	filled box	16	232	0.20 0 0 0 setcmyk		138 mm x 2 mm
13	filled box	20	228	0.20 0 0.20 0 setcmyk		130 mm x 2 mm
14	filled box	24	224	0 0 0.20 0 setcmyk		122 mm x 2 mm
15	filled box	168	248	0 0 0.20 0 setcmyk		2 mm x 248 mm
16	filled box	164	244	0.20 0 0.20 0 setcmyk		2 mm x 256 mm
17	filled box	160	240	0 0.2 0 0 0 setcmyk		2 mm x 264 mm
18	filled box	156	236	0.20 0 0 0 setcmyk		2 mm x 272 mm
19	filled box	152	232	0.20 0.20 0 0 setcmyk		2 mm x 280 mm
20	filled box	148	228	0 0.2 0.2 0 0 setcmyk		2 mm x 288 mm
21	filled box	144	224	0 0 0 0.2 setcmyk		2 mm x 296 mm
22	filled box	166	246	1 0 1 0 setcmyk		2 mm x 248 mm
23	filled box	162	242	1 0 0 0 setcmyk		2 mm x 256 mm
24	filled box	158	238	1 1 0 0 setcmyk		2 mm x 264 mm
25	filled box	154	234	0 1 0 0 setcmyk		2 mm x 272 mm
26	filled box	150	230	0 1 1 0 setcmyk		2 mm x 280 mm
27	filled box	146	226	0 0 0 1 setcmyk		2 mm x 288 mm
28	filled box	2	0	0 0 0.20 0 setcmyk		168 mm x 2 mm
29	filled box	6	4	0.20 0 0.20 0 setcmyk		160 mm x 2 mm
30	filled box	10	8	0.20 0 0 0 setcmyk		152 mm x 2 mm
31	filled box	14	12	0.20 0.20 0 0 setcmyk		144 mm x 2 mm
32	filled box	18	16	0 0.20 0 0 setcmyk		136 mm x 2 mm
33	filled box	22	20	0 0.20 0.20 0 setcmyk		128 mm x 2 mm
34	filled box	26	24	0 0 0 0.20 setcmyk		120 mm x 2 mm
35	filled box	4	2	1 0 1 0 setcmyk		163 mm x 2 mm

36	filled box	8	6	1 0 0 0 setcmyk		155 mm x 2 mm
37	filled box	12	10	1 1 0 0 setcmyk		147 mm x 2 mm
38	filled box	16	14	0 1 0 0 setcmyk		139 mm x 2 mm
39	filled box	20	18	0 1 1 0 setcmyk		131 mm x 2 mm
40	filled box	24	22	0 0 0 1 setcmyk		123 mm x 2 mm
41	block set	27.5	26			Blocks for ink starvation
42	x filled box	0	0	0 0 0 1 setcmyk		25 mm x 25 mm filled box
43	x filled box	28	0	0 1 1 0 setcmyk		12 mm x 25 mm filled box
44	x filled box	43	0	0 1 0 0 setcmyk		12 mm x 25 mm filled box
45	x filled box	58	0	1 1 0 0 setcmyk		12 mm x 25 mm filled box
46	x filled box	73	0	1 0 0 0 setcmyk		12 mm x 25 mm filled box
47	x filled box	88	0	1 0 1 0 setcmyk		12 mm x 25 mm filled box
48	x filled box	103	0	0 0 1 0 setcmyk		12 mm x 25 mm filled box
49	block set	144	70			Blocks for ink starvation (90° Rotation)
50	x filled box	0	0	0 0 0 1 setcmyk		25 mm x 25 mm filled box
51	x filled box	28	0	0 1 1 0 setcmyk		12 mm x 25 mm filled box
52	x filled box	43	0	0 1 0 0 setcmyk		12 mm x 25 mm filled box
53	x filled box	58	0	1 1 0 0 setcmyk		12 mm x 25 mm filled box
54	x filled box	73	0	1 0 0 0 setcmyk		12 mm x 25 mm filled box
55	x filled box	88	0	1 0 1 0 setcmyk		12 mm x 25 mm filled box
56	x filled box	103	0	0 0 1 0 setcmyk		12 mm x 25 mm filled box
49	Fiducial	0	0	0 0 0 1 setcmyk		5mm x 5mm tic at 0° angle 0.3 mm linewidth
50	Fiducial	0	250	0 0 0 1 setcmyk		5mm x 5mm tic at -90° angle 0.3 mm linewidth
51	Fiducial	170	0	0 0 0 1 setcmyk		5mm x 5mm tic at 90° angle 0.3 mm linewidth
52	Fiducial	170	250	0 0 0 1 setcmyk		5mm x 5mm tic at 180° angle 0.3 mm linewidth

Page 1 – Business Letter

LSA
Funtres Solber Netene

Altitude	Number of <i>Stenocercus balrecneps</i>
A	10
B	8
C	6
D	4
E	2

Stephen J. Singel
Demperta Aminerinum
Fabanda Sinpat Abarress
SJS:dwg