

DISC Working Group Members:

Jonathan Agger – Creo
 Nadar Anvari – Eastman Kodak Company
 Michael Arpino – Condé Nast Publications
 Jennifer Bergin – Kodak Polychrome Graphics
 Michael Brandon – People Magazine
 Bryan Canniff – Popular Mechanics
 Greg Captain – Condé Nast Publications
 Becky Cassidy – Newsweek
 Betsy Castillo – The People Group
 Dawn Christner – Fuji Photo Film USA
 Jay Colton – Time Magazine
 Jonathan Cummings – Eastman Kodak
 Alan Darling – Vio
 Jim Delahanty – Business Week Magazine
 Bill DeMarco – Kodak Polychrome Graphics
 John Dougherty – Hachette Filipacchi Media
 Sarah Deem – Popular Mechanics
 Dennis Dunbar – Ad Photographers of Amer
 Gerry Gerlach – Integrity Graphics
 Kevin Hickey – Condé Nast Publications
 Steve Hirsch – Hachette Filipacchi Media U.S.

David Hultin – IDEAlliance
 Philip Jache – Sports Illustrated
 Anne Jackley – Sports Illustrated
 Mark Jones – Quebecor World
 Mark Kozlowski – Quad/ Photo
 Kin Wah Lam – Time Inc.
 Terry Luckett – NEC Inc.
 Michael McNamara – Popular Photo & Imaging
 Geoff Michaud – Sports Illustrated
 Philip Morrongiello – G&J USA Publishing
 Kevin Mullan – Primedia
 Roumen Novakov – G&J USA Publishing
 Rob Pepe – NEC Inc.
 Diane Pesce – Condé Nast Publications
 Linda Rice – Condé Nast Publications
 Mike Rodriguez – RR Donnelley & Sons
 Steve Romeo – Hachette Filipacchi Media
 Michael Stefanyak – NEC Inc.
 Sally Toth – Kodak Polychrome Graphics
 Elizabeth Wimmer – CMP
 Amre Youssef – Hearst



A working group of: **IDEA Alliance**
INTERNATIONAL DIGITAL ENTERPRISE ALLIANCE

Our Mission:

The mission of Digital Image Submission Criteria (DISC) working group has been to develop a range of minimum quality specifications for printable digital image submissions to be used by photographers, magazine publishers and printers, and to promote these as industry best-practice guidelines.

DISC will:

- Continue to refine and improve the DISC specification(s) as required by external change and industry input.
- Promote this information freely for broad industry benefit via printed matter, web site, and other promotional mediums
- Promote and support the DISC specification(s) as industry best practice guidelines.

Special thanks to our members and contributors:

Cochairs: Kin Wah Lam – Time Inc.
 Michael McNamara – Popular Photography & Imaging

A special thanks to our production partners:



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The DISC working group met to develop these specifications with the active participation and consensus of a broad coalition of industry interests. The result is the creation of a three-tiered structure consisting of high (A), medium (B), and low (C) ranges representing minimum acceptable levels for a variety of magazine demands and the adoption of a standard metadata schema that is described in further detail at www.disc-info.org.

DISC CATEGORY A – 150 LINE SCREEN REPRODUCTION

Camera/Scanner Pixel Resolution [Hor x Vert]	Camera Megapixel Rating	Color Space Setting	Image Quality* Setting	Compressed File Size	Uncompressed File Size	Max Print Size [300 PPI or 150 LPI]
4500 x 3000	13.5	Adobe RGB 1998	High Quality (8)	1.67 MB	38.32 MB	15.0 x 10.0
4064 x 2704	11.0	Adobe RGB 1998	High Quality (8)	1.36 MB	31.20 MB	13.5 x 9.0
3008 x 2000	6.0	Adobe RGB 1998	High Quality (8)	0.74 MB	17.08 MB	10.0 x 6.7
2560 x 1950	5.0	Adobe RGB 1998	High Quality (8)	0.62 MB	14.17 MB	8.5 x 6.5
2448 x 1632	4.0	Adobe RGB 1998	High Quality (8)	0.49 MB	11.34 MB	8.2 x 5.4
2000 x 1500	3.0	Adobe RGB 1998	High Quality (8)	0.37 MB	8.52 MB	6.7 x 5.0
1600 x 1200	1.9	Adobe RGB 1998	High Quality (8)	0.24 MB	5.45 MB	5.3 x 4.0
1280 x 1240	1.3	Adobe RGB 1998	High Quality (8)	0.16 MB	3.72 MB	4.3 x 3.4
640 x 480	0.3	Adobe RGB 1998	High Quality (8)	0.04 MB	0.87 MB	2.1 x 1.6

DISC CATEGORY B – 125 (133) LINE SCREEN REPRODUCTION

Camera/Scanner Pixel Resolution [Hor x Vert]	Camera Megapixel Rating	Color Space Setting	Image Quality* Setting	Compressed File Size	Uncompressed File Size	Max Print Size [250 PPI or 125 LPI]
4500 x 3000	13.5	Adobe RGB 1998	High Quality (8)	1.67 MB	38.32 MB	18.0 x 12.0
4064 x 2704	11.0	Adobe RGB 1998	High Quality (8)	1.36 MB	31.20 MB	16.3 x 10.8
3008 x 2000	6.0	Adobe RGB 1998	High Quality (8)	0.74 MB	17.08 MB	12.0 x 8.0
2560 x 1950	5.0	Adobe RGB 1998	High Quality (8)	0.62 MB	14.17 MB	12.2 x 7.8
2448 x 1632	4.0	Adobe RGB 1998	High Quality (8)	0.49 MB	11.34 MB	9.8 x 6.5
2000 x 1500	3.0	Adobe RGB 1998	High Quality (8)	0.37 MB	8.52 MB	8.0 x 6.0
1600 x 1200	1.9	Adobe RGB 1998	High Quality (8)	0.24 MB	5.45 MB	6.4 x 4.8
1280 x 1240	1.3	Adobe RGB 1998	High Quality (8)	0.16 MB	3.72 MB	5.1 x 4.1
640 x 480	0.3	Adobe RGB 1998	High Quality (8)	0.04 MB	0.87 MB	2.6 x 1.9

DISC CATEGORY C – 100 LINE SCREEN REPRODUCTION

Camera/Scanner Pixel Resolution [Hor x Vert]	Camera Megapixel Rating	Color Space Setting	Image Quality* Setting	Compressed File Size	Uncompressed File Size	Max Print Size [200 PPI or 100 LPI]
4500 x 3000	13.5	Adobe RGB 1998	High Quality (8)	1.67 MB	38.32 MB	22.5 x 15.0
4064 x 2704	11.0	Adobe RGB 1998	High Quality (8)	1.36 MB	31.20 MB	20.3 x 13.5
3008 x 2000	6.0	Adobe RGB 1998	High Quality (8)	0.74 MB	17.08 MB	15.0 x 10.0
2560 x 1950	5.0	Adobe RGB 1998	High Quality (8)	0.62 MB	14.17 MB	12.8 x 9.8
2448 x 1632	4.0	Adobe RGB 1998	High Quality (8)	0.49 MB	11.34 MB	12.2 x 8.2
2000 x 1500	3.0	Adobe RGB 1998	High Quality (8)	0.37 MB	8.52 MB	10.0 x 7.5
1600 x 1200	1.9	Adobe RGB 1998	High Quality (8)	0.24 MB	5.45 MB	8.0 x 6.0
1280 x 1240	1.3	Adobe RGB 1998	High Quality (8)	0.16 MB	3.72 MB	6.4 x 5.1
640 x 480	0.3	Adobe RGB 1998	High Quality (8)	0.04 MB	0.87 MB	3.2 x 2.1

*DISC minimum recommendations specify images should be supplied as a Photoshop High Quality JPEG at compression level 8 (ratio 1:23).