

# Digital Printing

What does it mean when you check this box on the SF-1?



## What does it mean to GPO?

Specifications – must be written with end product in mind. Prior to award, contractor may be required to **provide information related to specific equipment** that will be used for production.

### High Level 3 Color

At contractor's option, the product may be produced via conventional offset or digital printing provided that Quality Level III standards are maintained. **Final output must be wet ink, pigment-based with a minimum of 175-line screen. Dry ink/toner and inkjet printing are not acceptable. Output must be at a minimum resolution of 2400 x 2400 dpi plus a RIP that provides an option for high quality color matching such as Device Links Technology and/or ICC Profiles.**

Resolution that is enhanced or simulated by software will not be acceptable.

### Middle Level 3 Color

At contractor's option, the product may be produced via conventional offset or digital printing provided that Quality Level 3 standards are maintained. **Final output must be a minimum of 150-line screen and at a minimum resolution of 2400 x 2400 dpi x 1 bit or 600 x 600 dpi x**

**8-bit depth technology. Digital device must have a RIP that provides an option for high quality color matching such as Device Links Technology and/or ICC Profiles.**

### Low Level 3 Color

At contractor's option, product may be produced via conventional offset or digital printing provided that Quality Level III standards are maintained. **Final output must be a minimum of 150-line screen.**

### High Level 3 Black Only

At contractor's option, the product may be produced via conventional offset or digital printing provided that Quality Level 3 standards are maintained. **Final output must be a minimum of 150-line screen and at a minimum resolution of 1200 x 1200 dpi x 1 bit or 600 x 600 dpi x 4-bit depth technology.**

### Proofs

Prior to production

## What does it mean to the Contractor?

Constant throughout all specs: The product may be produced via conventional offset or digital printing provided that Quality Level 3 standards are maintained.

## Quality Levels are defined in QATAP.

The product quality levels specify the degree of quality required in the final product. QATAP contains five PQL's ranging from Level I (Best) to level V (Functional).

- Level I- Best Quality, highest quality and tolerances.
- Level II- Better quality, prestige quality, library quality
- **Level III- Good quality, above average quality.**
- Level IV- Basic quality, informational quality, utility quality
- Level V- Functional quality, lowest usable quality.

### **The most difficult item is the repeatability of colors**

- from within a run
- from day to day

## The Contractor is responsible for quality at level 3 standards.

- P – 1 Hickies and Spots
- P – 2 Extraneous marks
- P – 3 Moire
- P – 4 Register
- P – 5 Text and Illustration Image Position
- P – 6 Newton's rings
- P – 7 Type Quality and Uniformity
- P – 8 Halftone Match
- P – 9 Solid or screen tints color match
- P – 10 Process color match
- P – 11 Rub Resistance of Printed Image

**Some "digital" presses produce clear, sharp type with clean edges. Some do not.**

## Quality Control for Published Products (QCPP)

If you are not sure about choosing Digital Printing, or need additional information, contact **Quality Control for Published Products (QCPP)**.

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