# NITFS
# Compliance Registration

**Product: CIB Production System Version 5.3**

**Sponsor: GeoEye**

**Developer: GeoEye**

**Date: 3 September 2010**
**Expiration: 2 September 2012**
**Registration #: 369**

☐ **System** N-0105, §4.1.1 ☐ **Product** N-0105, §4.1.2 ☒ **Component** N-0105, §4.1.3

- ☐ Initial Registration
- ☒ Supplemental/Update # 355
- ☐ Derived from Reg. #

***Complexity Level***

| NITF 2.1 CLEVEL | | | | | | |
|---|---|---|---|---|---|---|
| | 3 | | 5 | 6 | 7 | |
| Interpret | | | | | | |
| Generate | | | | | | |

| NITF 2.0 CLEVEL | | | | | | | |
|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | Oth |
| Interpret | | | | | | | |
| Generate | ■ | ■ | ■ | | | | |

## Configurations Tested:

-Windows XP Pro x64 SP2
-Dual Core AMD 2.21 GHz 2.75GB RAM

Legend
** NITF 2.0 only feature
* NITF 2.1 only feature
Interpret Generate
● ● Fully implemented
◉ ◉ Partially implemented
○ ○ Not implemented

**Format**

**NITF**
- ○ ○ 2.1
- ○ ● 2.0
- ○ 1.1

**NSIF**
- ○ ○ 1.0

**Pixel Value Types**
- ○ ○ Boolean
- ○ ● Integer
- ○ ○ Signed Integer *
- ○ ○ IEEE Real *
- ○ ○ IEEE Complex *

**Annotation Segment Types**
- ○ ○ Bit Mapped **
- ○ ○ CGM, 2301
- ○ ○ CGM, 2301A
- ○ Labels **

**Text Segments**
- ○ ○ STA
- ○ ○ UT1
- ○ ○ U8S
- ○ ○ MTF

## NITFS Features Implemented:

**Image Segment Types**
- ○ ● MONO
- ○ ○ RGB
- ○ ○ RGB/LUT
- ○ ○ YCbCr
- ○ ○ MULTI
- ○ ○ NODISPLY
- ○ ○ POLAR
- ○ ○ No Mask
- ○ ○ Mask

**Image Compression**
- ○ ○ No compression
- ○ ○ JPEG Lossy, 8-bit
- ○ ○ JPEG Lossy, 12-bit
- ○ ○ JPEG Downsample
- ○ ○ JPEG Lossless
- ○ ○ JPEG 2000
  - ○ ○ Code Stream w/o JP2
  - ○ ○ Code Stream w/JP2
  - ○ ○ 1 Band
  - ○ ○ 3 Band RGB
  - ○ ○ 1 Band RGB/LUT
  - ○ ○ Multiband
- ○ ○ Bi-Level
- ○ ● Vector Quantization

**Data Extension Segments**
- ○ ● TRE_OVERFLOW
- ○ ○ STREAMING_FILE_HEADER
- ○ ◉ Controlled Extensions
  - ○ ● RPFDES
  - ○ ● RPFHDR
  - ○ ● RPFIMG

**Bit-Per-Pixel**
- ○ ○ 1
- ○ ● 8
- ○ ○ 9-16
- ○ ○ 16
- ○ ○ 17-32
- ○ ○ 32
- ○ ○ 33-64
- ○ ○ 64

*Registration does not guarantee that a product will meet all users' requirements. Potential users should evaluate the detailed test results to determine the suitability of a product for the intended use. Optional NITFS features may not be implemented.*

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Executive Agent to National Geospatial-Intelligence Agency for the NITFS Test and Evaluation Program