



## 10<sup>th</sup> Meeting of the

# Federal Working Group on Industrial Digital Radiography

December 8-9, 2011

The FWGIDR committee is pleased to invite all eligible\* NDT professionals to an informal meeting on December 8<sup>th</sup> and 9<sup>th</sup>, 2011 to continue efforts influencing the future of industrial digital radiography for government applications. This meeting follows the Defense Working Group on NDT (DWGNDT) in Williamsburg, Virginia (Dec. 5-8) in the same meeting location. Make plans to attend both events for a full week of professional development.

The FWGIDR leadership team is providing a 6 hour Introduction to Digital Radiography class on Monday morning December 5<sup>th</sup> which is available to all attendees of the DWGNDT conference. There is limited seating so make your reservations early at <http://www.dwgndt.org/>. More information for this and other classes is at the end of this announcement.

**Location:** Kings Mill Conference Center  
1010 Kingsmill Road  
Williamsburg, VA 23185

**Date / time:** Dec. 8 1:00 pm – 5:00 pm  
Dec. 9 8:00 am – 12:00 pm

**Registration:** Please RSVP to [richard.poland@srnl.doe.gov](mailto:richard.poland@srnl.doe.gov) or [George.Hodges@us.army.mil](mailto:George.Hodges@us.army.mil)  
- Name, Affiliation, Phone - (No Fee required to attend the FWGIDR meeting only)

**Hotel Info:** Kings Mill Conference Center  
- **Deadline for room reservations is Nov. 4th**  
- Nightly Rate of \$96/night  
- Book your room by calling 1-800-832-5665, identify yourself as attending DWG  
- Discounted rate is courtesy of the DWGNDT  
(Note this rate is 25% above Federal per diem. See DWGNDT invitation letter for details)

**Dress:** Casual

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The Federal Working Group on Industrial Digital Radiography is an organization consisting of federal and contractor employees (limited to contractors that are directly supporting federal contracts\*) with the responsibilities for the application of nondestructive testing methods. The working group is dedicated to the advancement of digital radiography within the federal industrial radiographic community. We are self chartered and endorsed by the Defense Working Group on Nondestructive Testing (DWG-NDT)

*\*Contractor Membership: Contractor Membership is restricted to contractors supporting federal government contracts that require the application of nondestructive testing (NDT), inspection (NDI) and/or evaluation (NDE). Contractors with federal government contracts for development, design, fabrication, assembly and/or delivery of NDT, NDI or NDE systems do not meet the requirements for membership. Contractors can submit membership requests with supporting justification to any Steering Committee member. Exceptions to these Contractor Membership requirements will only be accepted upon approval of the FWG-IDR Steering Committee.*

Committee contacts and more information about the FWGIDR available at <http://www.dwgndt.org/fwgidr.htm>



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**Objective:** The FWGIDR is working to identify common transitional issues faced by industrial activities when converting from film to digital radiography. To date, the FWGIDR has made significant progress concerning personnel training, archiving, and procedural qualification issues for DR. There are many issues that still need to be addressed. This success is due to the opportunities created by the FWGIDR for a broad scope of the industrial RT base to identify their transitional issues and work together for common solutions.

The objective of this meeting is to bring together a diverse representation of industrial radiography experts involved in Government activities to continue the integration of DR in the Federal community. The team will build upon the success of previous meetings and virtual interchanges while focusing on continuing the task teams' efforts. These sessions are open to FWGIDR eligible members\* only.

**Background:** The FWGIDR is a self chartered organization consisting of federal and government contract employees, and is endorsed by the Defense Working Group on Nondestructive Testing (DWG-NDT). This working group provides a platform for identifying common concerns and critical issues facing the federal industrial radiographic community as it transitions from film to digital radiography (DR). The FWGIDR, utilizing expertise from within the community, organizes and coordinates technical committees that formulate positions, guidance, and/or solutions for the community's common concerns and issues. The working group has over 250 active members from multiple government agencies and contracting companies, who come together twice yearly to collectively identify shortfalls and develop solutions.

Some of the growing concerns for government agencies are the continued availability and quality of radiographic film, along with the disposal of the chemicals used for film development. In addition, there is an increasing demand for more quantitative analysis using computer aided technology. These concerns, along with the numerous advantages of digital technologies, are driving the radiographic base towards digital radiography methods.

Key issues common across government agencies were identified, task teams were formed to address the issues, and papers were written and released in an attempt to resolve certain concerns of the members. The task teams have continued to progress in accomplishing training recommendations for RT levels 1 and 2, Systems Qualification checklists, design of a phantom for high energy CR testing, leading ASTM committees on development of data standardization, and developing guidance for monitor recommendations. The FWGIDR continues to influence government and industry in other areas of interest; such as drafting standards on counterfeit material prevention, updating military specifications on electronics, and the development of contract clauses to require that equipment providers be compliant to certain standards. Members also attend and participate on ASTM, AIA, ASNT, and SAE committees, and other professional organizations to further our goals.

The goal of the December meeting is to report team progress and continue group participation in advancing the needs and concerns of the federal digital radiographic community. Your attendance is critical in continuing the momentum of our successes by voicing your concerns and providing your knowledge and expertise in developing the future of our industry.

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**RSVP:** Please email RSVP to Rick Poland or George Hodges by Nov. 28<sup>th</sup>, 2011



## 59<sup>th</sup> Defense Working Group on Nondestructive Testing

5-9 December 2011, Williamsburg, Virginia

<http://www.dwgndt.org>

### DWGNDT Meeting Synopsis

The endorsing Defense Working Group on NDT (DWGNDT) will be having the 59<sup>th</sup> annual meeting of engineers, scientists, technicians and managers from all government activities responsible for the development and application of NDT methods in research, engineering, maintenance, and quality assurance. This group is restricted to U.S. military, government civilian and government contract personnel under the direct control of a military or government civilian. However, the full Wednesday session of this year's conference will be open to non-government U.S. citizens for participation and attendance. For more information on these meetings visit <http://www.dwgndt.org>

### Training Opportunities at the DWGNDT

Monday, 5 December 2011 (0800-1500): "Separate" from the regular agenda, the Defense Working Group on Nondestructive Testing (DWGNDT) Steering Committee has arranged four concurrent training sessions for the continuing education and professional growth of our members. Participants will gain a better understanding of equipment, techniques and processes applicable to Nondestructive Testing. The benefits of these technologies will be explained and discussed in an open forum setting allowing plenty of time in the schedule for questions and answers.

Intermediate/Advanced Training: This training is for advanced Ultrasonic users interested in bridging to Phased Array or advanced Film Radiography users interested in bridging to Digital Radiography. The instruction will introduce basic theory, applications, hardware issues and calibration, data review and analysis, codes, standards, training and certification requirements. These classes are designed to help NDT professionals understand the differences in technology and what training is required to become proficient in the field. The training for ultrasonics will be facilitated by Mr. Nicholas Bublitz from Olympus NDT; and for radiography by the leadership team of the Federal Working Group on Industrial Digital Radiography.

Intermediate Class: Eddy Current Array class for Eddy Current Technicians covering basic concepts, depth of penetration including the benefits of Eddy Current Array Testing. Additionally typical applications in turbine and weld inspections will be discussed and hands on demonstrations will provide practical application of topics covered. The class will be facilitated by Zetec, Inc.

Basic/Intermediate Class: VT, MT, PT, ET, UT and RT methods basic theory, applications, advantages/disadvantages of each and the underlying principles behind the use of multiple methods for single inspection parameters. The course will introduce codes, standards, training and certification requirements, procedure development requirements and cross qualifications. The training will be facilitated by SFC March from U.S. Army Aviation Logistics School and Mr. Dion Esidro from Amee Bay, LLC.

This training is being provided, at no additional cost, to all DWGNDT conference attendees to promote further understanding of rapidly expanding technologies while allowing for an open learning environment; and will be held at the same location as the DWGNDT Conference. If there are any questions feel free to visit <http://www.dwgndt.org> for additional information and early sign-up or contact Karen Bruer at [kbruer@ameebay.com](mailto:kbruer@ameebay.com).