

# MSNT E-NEWSLETTER

88th  
EDITION



## Industrial Radiography Safety and Security Seminar co organised by MSNT and AELB

Due to the occurrences of loss of radioactive material which involves safety and security of radioactive materials being used for industrial radiography, Atomic Energy Licensing Board, AELB intended to meet all industrial radiography operators and assistant operators to improvise and update their organisations' security plan. Therefore, AELB with the cooperation from MSNT has organised 4 seminar series titled Industrial Radiography Safety and Security Seminar at Eastern, Western and Southern regions of Peninsular Malaysia.



The attendees and speaker of seminar at AELB Dengkil



MSNT President, Dr Abd Nassir speaking at ADTEC Kemaman, Terengganu



The first series was held on 24 June 2019 located at AELB Dengkil with attendance of 63 persons. Meanwhile the second series was held on 5 August 2019 located at ADTEC Kemaman with attendance of 106 persons. The third series was held at UTM Skudai with attendance of 63 persons. The fourth series was held at Malaysian Nuclear Agency on 4 December 2019 with attendance of 40 persons.



MSNT Advisory and Technical Committee Chairman, Dr Ab. Razak speaking at Universiti Teknologi Malaysia (UTM) Skudai, Johor.

The content of the seminar are talks delivered by speakers from AELB and other agencies involved with safety and security of radioactive material. Among the topics are legal control of radiography activities, security plan for industrial radiography, threat to the radioactive material security and case study radiography activities.

## MSNT BOD Meeting



Board of Directors meeting at MSNT Office in Bangi.

On 31 October 2019 MSNT held a Board of Directors Meeting for the third time in 2019. Meeting was also attended by MSNT auditors who are Mr Ahmad Zamri and Ts. Karnanethe. Among the discussed matters were preparation for MINDTCE20, Sales and Service Tax (SST) on NDT companies by Royal Malaysian Customs Department issues, MSNT Awards, MSNT delegate to GA of Asia Pacific Federation for Non Destructive Testing APFNDT at World Congress on Condition Monitoring (WCCM) 2019 and The third iteration of the Singapore International Non-destructive Testing Conference and Exhibition (SINCE 2019) at Marina Bay Sands Singapore, and cooperation between MSNT and PETRONAS in MSNT activities as well reports from MSNT committees.

## MSNT new website

We are happy to announce the release of MSNT new website with interface updates and enhanced features. The upgraded website is user-friendly and intuitive, and designed for ease of navigation. With the new release, MSNT members are able to check or read the latest news or info that is related to MSNT, membership renewal, new membership application, and existing membership verification. Auto membership expiry reminder will also be sent to respective members for renewal including online payment mechanism.

### What's new?

- Interface updates to ensure the best possible user experience
- Membership renewal and verification
- New membership application
- Online payment
- Important documents download tab We wish to thank you for your support.

Visit [www.msnt.org.my](http://www.msnt.org.my).

# **PERANAN JURURADIOGRAF SEBAGAI PENTAFSIR RADIOGRAFI (RADIOGRAPHY INTERPRETER-RI)**

Saya terpanggil untuk menulis bagi membetulkan kesalahfahaman asas yang agak meluas dikalangan sektor industri mengenai peranan RI. Banyak pihak telah membuat tafsiran bahawa aktiviti pentafsiran radiografi hanya boleh dilaksanakan oleh pemegang sijil RI sahaja. Pihak berkenaan beranggapan bahawa pemegang sijil RT2 tidak dibenarkan untuk membuat kerja-kerja pentafsiran. Akibat dari kesalahfahaman ini tidak terdapat usaha secara serius untuk meningkatkan tahap kompetensi jururadiograf tahap 1 kepada tahap 2 kerana mereka beranggapan tidak ada perbezaan diantara skop tugas tahap 1 dan tahap 2.

Saya perturunkan petikan dari beberapa standard untuk menyokong perkara yang saya ketengahkan ini.

Tanggungjawab jururadiograf tahap 2 menurut standard **ISO 9712-2012 Seksyen 6.2.f adalah sama dengan PCN 2019 Seksyen 6.2.2 dan PCN January 2019 Seksyen 6.2.6 iaitu:**

*An individual certified to level 2 has demonstrate competence to perform NDT according to NDT Procedures. Within the scope of the competence defined in the certificate level 2 personnel may be authorized by the employer to: Interpret and evaluate results according to applicable standards, code, specifications and procedures.*

Menurut SNT-TC-1A 2006 tugas level 2 adalah:

SNT TC 1A 2006 (Rujuk Seksyen 4.3.2)

*NDT Level 2 individual should be qualified to set up and calibrate equipment and to interpret and evaluate results with respect to the applicable codes, standards and specifications. The NDT level 2 should be thoroughly familiar with the scope and limitations of the methods for which qualified and should exercise assigned responsibility for the on-the-job training and guidance of trainees and NDT level 1 personnel. The NDT Level 2 should be able to organize and report the results of NDT tests.*

CSWIP June 2011 Seksyen 2 pula menyatakan:

*An individual certified to level 2 is qualified to perform and direct non-destructive testing in accordance with established and recognised techniques. The individual shall be competent to choose the test techniques to be used, to set up and calibrate equipment, to interpret and evaluate results in accordance with applicable codes, standards and specifications, to carry out all duties for which a level 1 individual is qualified and to check that they are properly executed, and to prepare written instructions and organise and report the results of non-destructive test. The individual shall also be familiar with the scope and limitations of the method for which they are qualified, and be able to exercise assigned responsibility for the on-job-training and guidance of trainees and NDT level 1 personnel.*

Dari petikan di atas adalah amat jelas bahawa jururadiograf tahap 2 adalah juga layak untuk mentafsir radiografi. Bahkan pada pandangan saya mereka merupakan pentafsir radiografi yang terbaik kerana mereka memahami kesemua aspek penghasilan radiograf bermula dari penggunaan teknik yang betul, jumlah dedahan yang betul dan juga kaedah pemprosesan yang betul.

Modul RI diujudkan oleh beberapa Badan Persijilan Kebangsaan untuk memberikan ruang kepada mereka yang terlibat dalam menilai integriti suatu struktur yang diuji tetapi mereka sendiri tidak terlibat dengan melakukan dedahan radiografi keatas struktur tersebut. Seorang juruteknik atau jurutera yang diberi tanggungjawab terhadap pemeriksaan kualiti kimbalan dalam saluran paip bagi pihak kontraktor atau pengguna akhir lazimnya tidak terlibat dalam proses dedahan radiografi. Bagaimanapun mereka terlibat diperingkat akhir proses pemeriksaan dimana mereka diperlukan untuk melakukan pentafsiran radiografi sama ada keseluruhannya atau sejumlah tertentu dari jumlah keseluruhan radiografi. Mereka inilah yang perlu menjalani kursus dan peperiksaan untuk modul Radiography Interpreter (RI). Oleh itu pihak-pihak tertentu perlu melihat semula perkara ini dan memberi ruang seluas-luasnya untuk jururadiograf tahap 2 untuk menjalankan kerja-kerja pentafsiran radiografi sekiranya diperlukan.