

Message from the President



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I sincerely hope all members of MSNT and colleagues from all corners of the world are staying safe and in good health. It has been a year past since the Covid-19 pandemic affected people's life and livelihood globally. The situation has required us to adhere to changes, new SOPs and restrictions in our routines that impacted our daily life. Nevertheless, despite the challenges we will strive to move forward as safely as possible.

As a society, MSNT is also affected by the pandemic that restricted our activities and also planning of events. Our biggest biennial event, the Malaysia International NDT Conference and Exhibition (MINDTCE), had to be postponed to 7 – 8 December 2021. Even though it had crossed our minds to proceed the conference in either virtual or hybrid mode as other conferences did, the fact that MINDTCE is the one and only event in Malaysia that gathers broad spectrum of local and international NDT community under one event, we strongly feel that we should somehow make effort for MINDTCE to remain a 100% physical event. But of course, safety will always be our priority. Therefore, we have decided that we will make the decision and announcement in June whether MINDTCE will proceed as plan in December 2021 or to postpone it again to 2022.

In an effort to continue to serve our members better and more efficiently, we have upgraded our official MSNT website. With the newly updated layout and interface, members can now do their registration and payment directly through the website, access regularly updated newsflash and announcement for the latest local and international news and updates related to NDT, and even check their own and others membership details. We have also created several social media accounts such as LinkedIn, Facebook, Telegram etc. so that we can effectively and attractively disseminate and broadcast information to all members. Do find us and let's get connected!

Even though many have either been cancelled or postponed, there are few NDT related activities and events have managed to squeezed its way, but of course executed in the new normal. This 90th edition of our e-newsletter presents the stories of these activities and events, and some do reflect the changes we need to adopt and adapt on the way how we do things during this pandemic era. The future is yet to be written, let us pray for the best and hope we can come back to our normal way of life again soon.

Stay safe, take care, and Ramadhan Kareem.

Dr. Ilham Mukriz Zainal Abidin
President

Malaysian Society for Non-Destructive Testing (MSNT)



PENJANA sponsors 20 UPNM graduates for NDT Training and Qualification

Pelan Jana Semula Ekonomi Negara (PENJANA) is a scheme established by the Malaysian Government to provide financial support to various individuals and sectors affected by COVID-19. Universities are amongst organizations that received such support. Universiti Pertahanan Nasional Malaysia (UPNM) was recently granted financial support by this Scheme for 20 unemployed graduates to enrol and get qualified in Non-Destructive Testing (NDT). The program objective is for them to be certified and employed by pre-committed organizations.



Staffs from UPNM and Ministry of Higher Education visited participants at the Malaysian Nuclear Agency



MNTC Managing Director met the participants at Malaysian Nuclear Agency

UPNM appointed MADANI TRAINING AND CONSULTANCY (MNTC) to prepare and implement the program. For this purpose, MNTC, an associated partner of the Malaysian Nuclear Agency in NDT personnel training, has developed and implemented an Industrial Radiography (Direct Access) Level 2 training program. The theory class commenced on the 1st of March 2021 and ended on the 24th of March 2021. Due to the Movement Control Order (MCO) restriction, the program was performed virtually.

Upon completing the theory class, the program continued with a practical class at the Malaysian Nuclear Agency and ended on the 5th of April 2021. After a one-week break, all participants took the examination organized by the Department of Skills Development (DSD). The examination ends on the 14th of April 2021.

MSNT congratulates UPNM and all participants for the awarded PENERAJU's grant and wish all of them to pass the examination and consequently employed by organizations that had previously given their commitments in hiring the candidate.



List of Malaysian Standards (MS) related to Non-Destructive Testing under Technical Committee on Non-Destructive Testing (TC/F/9)

1. **MS 2648:2020**
Ultrasonic Testing (UT) for Corrosion Detection
2. **MS ISO 16809:2017**
Non-destructive testing - Ultrasonic thickness measurement
3. **MS ISO 17636-1:2017**
Non-destructive testing of welds - Radiographic testing - Part 1: X- and gamma-ray techniques with film (Third revision) (ISO 17636-1:2013, IDT)
4. **MS ISO 3452-6:2014**
Non-destructive testing - Penetrant testing - Part 6: Penetrant testing at temperatures lower than 10 °C (ISO 3452-6:2008, IDT)
5. **MS ISO 3452-5:2014**
Non-destructive testing - Penetrant testing - Part 5: Penetrant testing at temperatures higher than 50 °C (ISO 3452-5:2008, IDT)
6. **MS ISO 3452-4:2014**
Non-destructive testing - Penetrant testing - Part 4: Equipment (ISO 3452-4:1998, IDT)
7. **MS ISO 3452-3:2014**
Non-destructive testing - Penetrant testing - Part 3: Reference test blocks (ISO 3452-3:2013, IDT)
8. **MS ISO 3452-2:2014**
Non-destructive testing - Penetrant testing - Part 2: Testing of penetrant materials (ISO 3452-2:2013, IDT)
9. **MS ISO 3452-1:2014**
Non-destructive testing - Penetrant testing - Part 1: General principles (ISO 3452-1:2013, IDT)
10. **MS ISO 9712:2014**
Non-destructive testing - Qualification and certification of NDT personnel (ISO 9712:2012, IDT)
11. **MS 2399:2011**
Non-Destructive Testing of Welds - Magnetic Particle Testing
12. **MS 1317:2007 (Confirmed 2012)**
Non-Destructive Testing of Welds - Radiographic Testing of Fusion - Welded Joints (Second Revision)

NDT for Aerospace

DO YOU KNOW?

1. The latest issue of AIA NAS410 is NAS410 Rev 5 dated September 30, 2020 (American)
2. The draft European Standard (prEN 4179) is currently Edition March 2021 (Europe)

What is their significance?

Both documents are standards for the Qualification and Certification of NDT personnel in aerospace manufacturing, service, maintenance and overhaul industries. All companies in the aerospace industries in Malaysia must note the latest revision and make changes to their Written Practice accordingly to align with the latest issue of the documents mentioned above.

3. Civil Aviation Authority of Malaysia (CAAM) has issued Civil Aviation Notice (CAN) 007/21 NOTICE OF PROPOSED RULEMAKING: NEW CADs EFFECTIVE 01ST MAY 2021.

All stakeholders to note this change as you may find CAAM Airworthiness Notices (AN) or Notices (N) being replaced by the new CADs.

4. The state of Selangor will be organizing The Selangor Aviation Show 2021(SAS2021), the 1st Aviation Show in Selangor from August 12-14, 2021, at Skypark Regional Aviation Centre, Subang.

Wish to be an MSNT member?

Register here...

<https://member.msnt.org.my/register>



<https://www.msnt.org.my/>



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Dr. Ab Razak bin Hamzah

MSNT is a member of the APFNDT and ICNDT



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Malaysian Society for NDT



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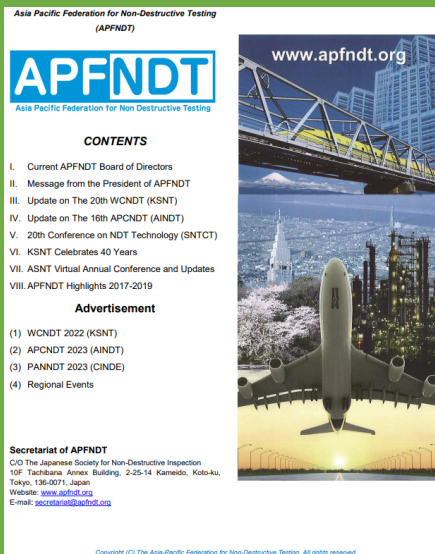
Ramadhan Kareem

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https://upload.wikimedia.org/wikipedia/commons/thumb/b/ba/Masjid_Cina.jpg/1200px-Masjid_Cina.jpg

The newest edition of the APFNDT Regional Newsletter is now available. This issue contains valuable insights into how NDT National Societies could continue operations during 2020 and move forward in 2021.



Visit our website to read.

Do you know that Malaysia has a National NDT Certification Scheme and it is in accordance with ISO 9712?

The Certification Body is Malaysia Department of Skills Development (DSD)

<https://www.dsd.gov.my/index.php/en/service/non-destructive-testing>

ISO 17020 Remote assessment during the pandemic

Organisations that are pursuing accreditation or have been accredited are subjected to periodic assessments usually held annually. The assessment process evaluates the competency of an organisation for compliance against a certain standard. For example, the Malaysia Inspection Bodies Accreditation Scheme (MIBAS) applies to organisations that perform inspection, such as NDT and these organisations are referred to as Inspection Bodies (IB). Previously the assessments are performed at the site where interviewing personnel, verification of documented evidence, facilities, and equipment are executed.

However, due to the unprecedented Covid-19 pandemic, the normal assessment practice could not be performed due to the Movement Control Order (MCO) imposed by the Malaysian government. The oil and gas industry, especially NDT services, was essential to the country and contributed greatly to economic sustainability. Any disruption to accreditation activities may affect the competency and competitiveness of an organisation performing NDT. Hence, an alternative approach was inevitable to allow the general public and businesses to continue relying on accredited services. Standards Malaysia realised remote assessment is the way forward and published a circular on accreditation activities during the pandemic with the inclusion of guidelines for remote assessment. The medium of assessment can be but not limited to teleconferencing, webconferencing (e.g. Skype, Zoom, MsTeams, etc.), Media Messaging Services (MMS) (e.g. WhatsApp, Telegram, Kakao, Line etc.) and E-mail. Up to this moment, several remote assessments have been conducted. It was found that there are no apparent setbacks provided that the internet and cellular coverage are sufficient for both the assessment team and IB. It was found that remote assessment is efficient and less disruptive to IB's regular workflow, and cost-effective since travel costs or accommodations were not needed. Furthermore, it is a moment for the IBs to shift towards electronic documentation and filing systems so that data and documents are retrievable effortlessly and stored safely.

 <https://www.msnt.org.my/>  Malaysian Society for NDT

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