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**BINDT**  
 THE BRITISH INSTITUTE OF  
 NON-DESTRUCTIVE TESTING



**APPROVED TRAINING ORGANISATION**

This document forms an integral part of the NASA Dbn (Pty) Ltd. (NASA) Quality Management System  
 Adherence to the requirements specified within are mandatory upon all NASA Personnel and Subcontractors.  
 This is a controlled document and may not be altered without authorisation from the NASA Training Coordinator.

## NASA 131

### Terms and Conditions

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Revision control sheet:

| Rev No: | Date:     | Compiled by: | Reviewed by:  | Revision Description:   |
|---------|-----------|--------------|---|---|
| 21      | 29-Feb-24 | Nish Kanhaye | Sarisha Govender<br>Meyuri Moodley<br>Miechaal Sewcoomar  | The ATO'S policy on employer issued TLDs has been updated.<br>See Clause: 9.3.2 C.  |
| 22      | 4-Nov-24  | Nish Kanhaye | Sarisha Govender<br>Meyuri Moodley<br>Acacia Sureschandra | An overall review of Rev 22 was conducted in line with our design and development policy, and general improvement.  |
| 23      | 22-Jun-25 | Nish Kanhaye | Sarisha Govender<br>Meyuri Moodley                        | The document has been revised, with refinement to the Entry Level Requirements, and Refunds Policy. BRS – BINDT mandatory advisory has been added, The EOC requirements of PAUT were included.  |
| 24      | 17-Feb-26 | Nish Kanhaye | Sarisha Govender<br>Meyuri Moodley<br>Acacia Sureschandra | Clause 30.6 has been added to incorporate new requirements from BINDT for the mandatory Product Technology course for all new PCN exam applicants<br>There are several other improvements to the following Clauses:<br>9.2 Education level entry requirements:<br>9.3.2 Mandatory PCN BRS:<br>Table 9: UT level 2 (Plate and Pipe)<br>Table 11: RI Level 2<br><u>PCN Examination References:</u><br>Table 19: PCN examination example structure for UT<br>Table 20: PCN examination example for Radiographic Interpretation. Welds Dense and Light films. |

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**1. Scope:**

- 1.1 This document provides candidates with information, and stipulates the terms, conditions, rules and requirements pertaining to the training and examination services provided at NASA Dbn (Pty) Ltd. (Herein referred to as NASA).
- 1.2 NASA’s Scope of services involve the training of personnel in the applicable Non-Destructive Testing (NDT) methods and techniques, and the administration of PCN Examinations to which NASA hold approval to administer. Reference to BINDT in this document, means *the British Institute of Non-Destructive Testing*.

**2. Objectives:**

- 2.1 To provide clear and unambiguous instructions to all prospective candidates, the candidate sponsor or the employing company, prior to the booking and payment for services involving BINDT approved training courses, End of Course Assessment and PCN examinations.

**3. Responsibilities:**

- 3.1 It is the candidate’s responsibility to read and understand the terms and conditions of this document. The candidate also implies, student, customer, delegate or trainee, however named.
- 3.2 The company manager, director, candidate sponsor, or HR representative may not accept responsibility, and it is imperatively important that the candidate understands the terms and conditions.
- 3.3 It shall be stated on our course application form that, “You have read and understand the terms and conditions laid out in this document, “NASA 131 Terms and Conditions”, prior to signing the Course Application Form NASA 207.
- 3.4 The completed and signed copy of the course application form will be retained in your candidate file. We will treat any personal information collected at the point of enquiry as private and confidential.

**4. Access to information:**

- 4.1 This document is added to all outgoing NASA emails, where course booking enquiries are concerned.
- 4.2 This document is available on the NASA website in PDF format at: [www.nondestructive.co.za](http://www.nondestructive.co.za).

**5. How to book a course with us:**

- 5.1 We have made the booking process essentially easy, which can be achieved in 5 simple steps.
  - 1. Read our Terms and Conditions: **NASA 131 Terms and Conditions.**  
Read this document – it explains most of everything.
  - 2. Read the Price List and Schedule: **NASA 201 DBN Price list and schedule.**  
To check the prices and dates of the courses.
  - 3. Choose an event on the schedule and ask us by email if we have space available on that event for you.  
We must confirm that there is space available. Some courses get fully booked.
  - 4. Complete and Sign the Course Application Form: **NASA 207 Course Application Form** and send it to us, with your highest school grade passed as well as the results.  
After we review the Course Application Form, we will then advise you in writing by email, that we have accepted your application, we must check if you meet the Minimum Education Entry Level requirements.
  - 5. Process Payment as per the **Quotation** we send you.  
We will always give you a quotation, so that the fee is in writing, and afterwards, we will issue the invoice, and when you have paid, we will issue a receipt.

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## 6. Contact and Support:

- 6.1 If you require further assistance, have any enquiries, or require additional information, email us.  
6.2 Our dedicated team of technical, support and management staff are available to assist you.

| Table 1: Contact and Support: |                |  |  |
|-------------------------------|----------------|--|--|
| NASA DBN (Pty) Ltd:           |                |  |  |
| Contact person:               | Cell:          | Email Address:   | Support:                                   |
| Sarisha Govender              | 083 226 9609   | <a href="mailto:sarisha@nondestructive.co.za">sarisha@nondestructive.co.za</a>   | Bookings, Results, Certificates, Rewrites. |
| Miechaal Sewcoomar            | By Email only. | <a href="mailto:miechaal@nondestructive.co.za">miechaal@nondestructive.co.za</a> | Technical. PT, MT, UT, RT, ET, VT          |
| Nish Kanhayee                 | 083 321 0618   | <a href="mailto:nish@nondestructive.co.za">nish@nondestructive.co.za</a>         | Quality, Special Requirements.             |
| Meyuri Moodley                | 081 404 5268   | <a href="mailto:meyuri@nondestructive.co.za">meyuri@nondestructive.co.za</a>     | Bookings, PCN Exams and PCN Results.       |
| Acacia Sureschandra           | 031 7083433    | <a href="mailto:acacia@nondestructive.co.za">acacia@nondestructive.co.za</a>     | Bookings, questions, enquiries.            |
| Kerwin Malgas                 | By Email only. | <a href="mailto:kerwin@nondestructive.co.za">kerwin@nondestructive.co.za</a>     | Technical. PAUT, UT, PT, MT, VT, ET        |

## 7. Fees and Schedules:

### 7.1 Schedule:

Our Price list and Complete Annual Schedule is **NASA 201 DBN Price List and Schedule** and is published on our website and available to download in PDF. [www.nondestructive.co.za](http://www.nondestructive.co.za).

### 7.2 Training Course fees:

The training course fees are inclusive of:

- All the necessary printed course material, which includes the Course notes and the Theory and Practical Assessments.
- All the Practical consumables for training and examination(s).
- The initial end of course NASA assessment.
- The successful completion of training certificate and accompanying results sheet notice that is issued electronically in PDF format.
- If all is successful with your training course and you pass the end of course assessment there are no additional hidden extra fees, however rewrites are not included in the training course fee.

### 7.3 PCN Exam Fees:

- Training course fees do not include the external PCN Examination. PCN exam fees are listed separately.

### 7.4 Rewrite fees:

- If you **do not pass** all aspects of the initial end of course assessment, you shall be required to book and pay for the relevant category of the end of course assessment that you need to rewrite.
- If you **do not pass** all aspects of the PCN examination, you shall be required to book and pay for the relevant category of the PCN exam that you need to rewrite.
- A rewrite is also referred to as a "retest"
- Rewrite fees are indicated on **NASA 201 DBN Price List and Schedule**.

## 8. Booking a rewrite:

- 8.1 If you fail an initial end of course assessment category, rewrites shall apply.  
8.2 Candidates are advised not to take the end of course assessment rewrite sooner than 30 days.  
8.3 Candidates are advised to utilise a minimum of 30 days for further revision, study and preparation.  
8.4 End of Course Exam rewrites at the NASA DBN Branch may only be booked upon request via email to [sarisha@nondestructive.co.za](mailto:sarisha@nondestructive.co.za).

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**9. Course Entry Requirements:**

9.1 Language requirements:

9.1.1 English is the normative NDT industry language, it is required that prospective candidates have a good understanding of English, and can speak, read and write English fluently.

9.1.2 All training courses at NASA shall be administered in the English language only. We do not provide for training in any other language or cater for any language deficiencies.

**9.2 Education level entry requirements:**

9.2.1 The minimum education entry level requirements for NASA training courses are listed in Table 2.

| <b>Table 2: Minimum Education Entry Level Requirements.</b> |                        |  |
|---|------------------------|--|
| Training Course:  | Level:                 | Entry level requirement:                               |
| PT, MT, VT, WT  | Level 1 and 2 Combined | School Grade 10 with Maths and Physics                 |
| UT, RT, ET, RI, RS  | Level 1 and 2 Combined | School Grade 12 with Maths and Physics                 |
| PAUT  | Level 2                | School Grade 12 with Maths and Physics and UT Level 2. |

**There are other further special requirements for RT – Please Read below - 9.3.**

**9.2.2 Course Abbreviations:**

| <b>Course Abbreviations:</b> |                                   |
|------------------------------|-----------------------------------|
| Abbreviation:                | NDT Method:                       |
| PT                           | Liquid Penetrant Testing          |
| MT                           | Magnetic Particle Testing         |
| UT                           | Ultrasonic Testing                |
| RT                           | Radiographic Testing              |
| ET                           | Eddy Current Testing              |
| VT                           | Visual Testing                    |
| WT                           | Ultrasonic Wall Thickness Testing |
| RI                           | Radiographic Interpretation       |
| RS                           | Radiation Safety                  |
| PAUT                         | Phased Array Ultrasonic Testing   |

9.2.3 Your relevant grades 10, or 12 certificate including a statement of your results shall be required to be submitted along with your application form.

9.2.4 If you do not meet the minimum educational entry requirements, you will not be permitted to proceed with the relevant course unless you have read, agreed to, and signed the Entry Requirement Waiver indicated on the **NASA 207 Course Application Form**. The waiver is provided below for your ease of reference:

I acknowledge that **I do not** meet the minimum education entry requirement but wish to proceed with the booking of this course at my own liability. I understand that not having the recommended educational background may limit my knowledge of certain physical science and mathematics concepts and may increase the difficulty of the course. Despite these challenges, I nevertheless wish to continue. I understand that I am not required to proceed with this booking should I not agree with this statement.

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### 9.3 Entry Requirements for Radiographic Testing (RT):

#### 9.3.1 Radiation Safety Training:

- a. By law, No Person is allowed to work with radiation without completing an acceptable Radiation Safety Training course and Examination:
- b. It is mandatory that all candidates that are required to work with Ionizing Radiation, have undergone Radiation Safety Training, and are in possession of a valid Radiation Safety Certificate, in accordance with regulations laid down by the South African **Department of Health, Directorate Radiation Control. Government Gazette No. R. 247, 26 February 1993.**
- c. The Directorate, Radiation Control has appointed the SAINT Professional Body for NDT (SPBNDT) to act on its behalf, to ascertain the radiation safety competency of all Industrial Radiographers in South Africa.
- d. NASA Dbn (Pty) Ltd. is an Approved Training Facility of the SPNDT and as such are approved to conduct the Radiation Safety Training and Examination leading to the Qualification.
- e. If concerning countries other than SA, that country's department of Health shall stipulate their Local regulation for the Radiation safety training and certification. Example in UK a Basic Radiation Safety (BRS - PCN) Course and Certificate is recognized and available through BINDT ATO's.

#### 9.3.2 Mandatory PCN BRS:

- a. BINDT has made the PCN BRS mandatory for all PCN RT candidates effective from March 1st, 2025.
- b. Please refer to the PCN News section on the BINDT Website. NASA shall inform all prospective RT PCN candidates accordingly.
- c. NASA has implemented the BRS syllabus in its RT Safety Training, and an acknowledgement of this new BINDT-mandated requirement has been included on the course application form.

#### 9.3.3 Important Pre-Requisites for Radiographic Testing (RT):

- a. In the case of a **female candidate**, it must be undoubtedly confirmed that she is **not pregnant**. Please seek a medical practitioner's consultation if any uncertainty exists. Any exposure to radiation will be **severely detrimental** to a fetus.
- b. The candidate must be 18 years or older. No person below the age of 18 is permitted to work with radiation.
- c. It is usual practice that RT assistants will be allocated their own TLD. In the case of candidates that are issued with an "employer issued" TLD, your employer should advise you on whether you should use your TLD to attend the RT training or not. NASA will issue you with a TLD that will measure your accumulated radiation dose while you are on training.

#### 9.3.3 The Hazards of Radiation:

- a. There are safe practices in place to work with Ionising Radiation.
- b. The Stringent procedural commitment and structured RT training at NASA aims to address the safety practices with strict instruction and controlled guidance of all its candidates.
- c. We do however need to make you aware of the statements below:
  1. Industrial radiography sources emit X-Rays and Gamma Radiation which produce a vast amount of radiation per hour at one meter. These high dose rates at close distances can cause severe injuries such as radiation burns, vomiting and diarrhea, hemorrhaging or even death following exposures of a few seconds.
  2. Ultimately, accepting the potential risks of working with ionizing radiation is a personal matter.
  3. Each individual must weigh the benefits against the potential risks.
  4. Upon accepting the risks, everyone must respect radiation and work safely with and around it.

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**10. Course Dates:**

- 10.1 The start date, end date, and end of course assessment date of each training course is listed on the **NASA 201 DBN Price List and Schedule.**
- 10.2 In the event that unforeseen situations arise, such as load shedding, or temporary loss of water supply, we shall stop lectures until the situation has normalized, any hours lost will be accommodated by an overall shift and extension (of the hours lost) accordingly.
- 10.3 When the scheduled date falls on a national holiday or religious observation, there will be an overall shift of one or more day(s) in the course schedule. However, if requested by majority of the candidates and by the final decision of the course Tutor, NASA may continue the training program as per schedule without breaking for the holiday.
- 10.4 In any circumstance of time loss, NASA will ensure that the entire structured training content is delivered, with or without extensions of time.
- 10.5 Training courses that are not on the scheduled list and are added in the event of a special request, will be delivered on dates as agreed per the contract.

**11. Training Course Times:**

- 11.1 Training courses are conducted between Mondays to Friday only.
- 11.2 The Standard course training times are as listed in Table 3:

| Day of the week:   | Start time: | End time: | Lunch time:    |
|--------------------|-------------|-----------|----------------|
| Monday to Thursday | 08h00       | 16h00     | 12h00 to 13h00 |
| Friday             | 08h00       | 14h00     | No lunch time  |

**PCN Examination hours and durations allowed are listed in Clause 35.**

11.3 What Time to Attend:

**Candidates may be present from 07h30.**

**Please note the following Important message:**

For us to train you, we need you to be here, so it is important to be on time, especially on the First Day of the training course. If you are late on the very first day, it is difficult for us to make the entire class any longer than 30 minutes to start. We would have to start the course without those that are late. **After 1 hour of being late on the first day** we would not allow a candidate to join. Please call us if there are any issues.

11.4 **Our offices open at 07h30 only.**

11.5 NASA Staff may be present earlier, but this is time taken for setup, cleaning, quality meetings and preparation. **We are open for business at 07h30.**

11.6 Short duration restroom, coffee and smoking breaks are permitted as and when required.

**12. Eye Test:**

- 12.1 An eye test for colour perception and acuity of near vision is required for personnel certification in NDT. Certification of Personnel is performed by your employer, or the relevant certifying body, such as PCN.
- 12.2 All NDT personnel must undergo an annual eye test.
- 12.3 NASA encourages candidates to conduct an external eye test, prior to attending training courses to facilitate vision correction if required and avoid latent problems when personnel certification is required.  
Note: Vision problems may seriously hinder your training process, due to not being able to see the white board and is a vital requirement to identify indications of defects on training and examination test specimens.
- 12.4 The format that is utilised by NASA is available at this link: <http://www.bindt.org/downloads/PSL44.pdf>
- 12.5 The eye test becomes mandatory prior to the external PCN Examination and shall be conducted at NASA for prospective PCN examination candidates at no additional fee.

**13. NASA Shall Provide:**

- 13.1 All relevant training material relating to the course you are attending, which shall include a structured arrangement of:
  - a) Course notes,
  - b) Theory assessment classroom tests,
  - c) Practical assessment documentation.
  - d) The end of course assessment.
  - e) We ensure that, all related material is presented to you, and there is accountability of all the documentation, ensuring that you have received all the relevant associated material.
- 13.2 The NDT equipment as required by the method and sector. (see 13.6 below.)
- 13.3 Non-programmable scientific calculators, are available on loan which are returnable on completion.
- 13.4 Tea and Coffee. (Also refer to section 19 Catering.)
- 13.5 A library of essential NDT related specifications.
- 13.6 Important Information regarding the sharing of equipment:
  - a. For Phased Array UT, we use Olympus MX2's and every 2 candidates share 1 machine.
  - b. For Eddy Current ET, we use Olympus Nortec 600's and every 2 candidates share 1 machine.
  - c. There will be no more than 2 candidates allocated per PAUT or ET Flaw detector and fully equipped weld probe set.

**14. The Candidate Shall Provide:**

**14.1 Transport and Accommodation:**

- a. Candidates are responsible for their own transport and accommodation.
- b. NASA Dbn (Pty) Ltd. does recommend suitable and safe accommodation facilities that are in close proximity. These are available on our website at <https://www.nondestructive.co.za/accomodation>

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#### 14.2 Stationery Required:

a. Candidates are responsible for their own stationery. The following essential stationery is required:

| Table 4: Stationery Requirements:  |  |   |
|--|--|---|
| PT, VT:  | MT, RI, RT, ET, WT:  | PAUT, UT:   |
| Black Pen, Blue Pen, Red Pen<br>Steel Ruler 300mm<br>Highlighter   | Black Pen, Blue Pen, Red Pen<br>Steel Ruler 300mm<br>Highlighter | Black Pen, Blue Pen, Red Pen<br>Steel Ruler 300mm<br>Highlighter  |
| No Calculator Required   | Scientific Calculator  | Scientific Calculator   |
| Nothing additional   | Nothing additional   | Transparency Pens Fine or<br>Superfine in Red, Green and Blue.<br>(Stabilo).<br>Protractor Small (Helix).<br>White Tip-Ex Pen.<br>Additional Steel Ruler if Possible. |
| All other consumables, examples: Erasers and Pencils for ET, and Masking Tape for RT, shall be provided by NASA. |  |   |

#### 14.3 Documents Required:

- a. Please bring Copies of the following documents, alternatively you may email these to us:
1. Your **Identity document**.
  2. **Your highest school grade passed that includes Mathematics and Physical Science.**
  3. An Eye test that you conducted in the last year if available. (Not mandatory)

#### 14.4 Computer related items:

- a. Bringing a laptop is highly beneficial, as NDT related videos, as well as internet-based research tips may be provided, as recommended in classroom discussions.
- b. A suitable smartphone with an internet browser and capable of reading PDF documents may suffice.

#### 14.5 Special Requirements:

- a. If you have any special access requirements or any other additional needs that will require our assistance, please inform us of this prior to booking. Any requests must be made to us at least two weeks before the event to ensure we are able to meet your requirements.

#### 14.6 What to Wear: Dress Code:

- a. The following Items are appropriate:  
Jeans, Long Pants, Knee Length Shorts, Surfing Shorts, T-shirts, Shirts, Golf/Polo Shirts, Closed Shoes, Sneakers, Takkies, Trainers or Boots.
- b. The following is not appropriate: Short Shorts, Vests and Sandals.
- c. Overalls are not necessary, but an overall top may be beneficial during practicals.
- d. Please do not cover your head with a Cap, Beanie, Bandana, Hoodie or any other form of clothing that partially or completely covers the head and face. Scarfs and Hijabs for religious purposes are permitted.

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**15. Results and Certificates:**

- 15.1 Candidates shall be notified of results via email.
- 15.2 Results are released 14 working days after the date of your exam (except for Radiographic Testing which will be released within 28 days)
- 15.3 All Certificates and Results shall be issued by email in electronic PDF format only.
- 15.4 **Please verify that your details on the certificate are correct upon receipt. Immediately notify us if any discrepancy exists.** We strive to ensure that no mistakes are made, but there is always the possibility of a typographical error.
- 15.5 A Candidate that has lost his/her Certificates and Results may request an electronic copy of the results and certificates. This will be billed at R 300. 00 per method Excluding VAT and will be re-submitted to you by email. A verification will be performed prior to the release of the documents to establish the original owner or sponsor, and payment status. The results and certificate are a combination and is issued together. Please See the clause below, regarding ownership.
- 15.6 If a candidate is enrolled by a company or sponsor, and the company or sponsor pays for the training course, all results and certificates shall be disclosed directly and only to that company. The candidate shall not be issued with certificates and results without written verifiable consent of that company.
- 15.7 Expedited marking and results release will be performed for those candidates with confirmed PCN Exam bookings, intending to take the PCN exam directly after the End of Course Assessment (EOC). Note, a successful result in the EOC is compulsory for eligibility to take the PCN Exam.
- 15.8 Expedited marking and results release of the EOC will be performed upon request and approved for candidates that have travelled to Durban from out of Durban, example: Cape Town, JHB, etc. As NASA believes in saving resources, we will endeavour to spare a return trip for a possible 1-hour rewrite. This does not apply to PCN Examinations, as PCN Examinations are marked externally in the UK.

**16. Complete Resit of Course:**

- 16.1 Prior NASA Dbn (Pty) Ltd. Candidates requiring additional training shall be offered a complete re-sit of the training course at 50% discount of the current Level 1 and 2 combined course fees. **The full Level 1 and 2 combined training shall be provided, and there shall be no separate levels.**
- 16.2 This fee is if a candidate feels that he needs to re-sit the entire training course from start to finish. Repeat training has demonstrated from past statistics at NASA, that elevated results can be achieved.
- 16.3 The resit fee includes the full end of course assessment fee, including a re-issue of the certificate and results.
- 16.4 The complete resit of course fee will also apply to all prior NASA Dbn Candidates only, who hold Prior NASA qualifications and certificates, and may require refresher training prior to attempting a PCN Exam for that method. Note that NASA does not provide refresher training and only provides the full structured training event for the relevant method.
- 16.5 For candidates that hold prior qualification from other training organisations, a discount of up to 30% discount of **our** current Level 1 and 2 combined course fees will be considered, on a case-by-case merit. Again, only a full formal Level 1 and 2 combined event will be considered for being discounted. The consensus is that if a candidate feels that they require additional training for a method that they hold current qualification for, NASA believes that it should then be started from the beginning to the end.

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## 17. Cancellation Options and Refunds Policy:

### 17.1 General:

- a. Please ensure that you definitely want to go ahead with the booking, and do not have doubts.
- b. Once a course date is booked and paid for, we will reserve your name and seat on that selected course, meaning that we may turn down other bookings on that event, to reserve and honour your booking.
- c. Cancellations, Postponements or Substitutions must be done in writing via email.
- d. **Please note the following Important message:** For us to train you, we need you to be here, so it is important to be on time, especially on the First Day of the training course. If you are late on the very first day, it is difficult for us to make the entire class wait any longer than 30 minutes to start. We would have to start the course without those that are late on the first day. **After 1 hour of being late on the first day we would not allow a candidate to join.** Please call us if there are any issues.
- e. Any candidate that may miss more than 6 hours of accumulated course training time, shall not be permitted to continue. If a valid reason is presented, NASA will allow a re-sit of the training event subject to availability.
- f. NASA reserves the right to reschedule a course to a later date, if there are unforeseen circumstances.
- g. Any candidate that fails to behave in a disciplined manner, and by action of this creates an interruption to the rest of the candidates or the tutor, shall be asked to forfeit the course without monetary refund. Such examples are the use of vulgar language, violence, disrespect towards others and cheating, etc.
- h. If you cannot continue with the training due to any reasonable legitimate reason, you may stop at that point, and we will arrange for you to continue the next available event, subject to us confirming available space.

### 17.2 Postponement:

- a. Provided that you inform us via email, not later than 5 days before the event, you may change your date (Postpone) to a later scheduled date, and subject to us confirming available space on that next chosen event. Please inform us if you cannot attend, even if it is 1 or 2 days before.
- b. Your booking will never expire, until you attend and complete the training or exam event that you have paid for.

### 17.3 Substitutions:

- a. We do allow substitutions of candidates. You may substitute someone else to take your place, if you cannot attend yourself.
- b. Please email us your instructions at least 5 days prior to the event, that you will be sending someone else to take your place, we will need all the necessary documents, such as the ID document, application form, and the minimum education requirements from the new person.

### 17.4 Refunds:

- a. **A Cancellation of a Course Booking or PCN exam event, requesting a refund shall result in a refund less 25% of the total amount paid.**
- b. We would therefore like to repeat that, should you be uncertain about booking with us, please do not go ahead. We do not want you to lose 25% of your funds.
- c. Refunds will be processed 30 days after the formal request is made by email. Usually, we get it done much sooner.
- d. **Once you start the course, and start the training, no refunds thereafter will be applicable.** You cannot start the training, occupy a place on a course, and decide after you have started that you do not want to continue. If you have such concerns, please do not proceed with the course and speak to us first.
- e. You cannot request a refund, based on the reason that you have failed an exam category or assessment. These are not reasonable grounds that would constitute a claim for a refund, and such requests would be considered unlawful.

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**18. Payments:**

- 18.1 Training course fees are payable in advance prior to the course start.
- 18.2 NASA shall accept the cost of bank fees when deposits are made into our business account.
- 18.3 Payments may be made by Cash Deposit, or EFT into the NASA Business bank account as listed below.
- 18.4 Please use your **Name and Surname** as the beneficiary reference.
- 18.5 Results and certificates will not be issued, released or disclosed until all outstanding fees have been settled.
- 18.6 The NASA Dbn (Pty) Ltd. Banking Account details are as listed below:

| NASA Dbn Banking Details: |                            |
|---------------------------|----------------------------|
| Bank:                     | Standard Bank South Africa |
| Account Name:             | NASA Dbn (Pty) Ltd.        |
| Account Type:             | Business Current Account   |
| Account Number:           | 050 746 529                |
| Branch:                   | Kingsmead branch           |
| Branch Code:              | 051001                     |
| Swift Code:               | SBZAJJ                     |

**19. Catering:**

- 19.1 Tea and Coffee shall be provided at designated kitchenette areas.
- 19.2 Lunch shall not be provided by the NASA DBN Branch.
- 19.3 There are several fast-food restaurants in close proximity to NASA DBN. These are located 200 Meters away at walking distance, of which include KFC, Debonairs Pizza, Steers, Fish Aways and a Spar Supermarket. The KFC fast food outlets are certified Halaal. Please verify the Halaal certification.

**20. Location of Training:**

- 20.1 All training courses are conducted at our BINDT Approved Training Organisation (ATO) at our Durban Branch, which is situated at: **NASA Dbn (Pty) Ltd., 3 Pastoll Road, Sarnia, Durban, 3610**
- 20.2 Maps are published on our website.
- 20.3 We recommend using the google maps application if uncertain about clear directions.

**21. Transport and Accommodation:**

- 21.1 NASA does not provide accommodation or transport.
- 21.2 Recommended accommodation is listed on our website, and available upon request if you contact us.
- 21.3 NASA does not accept responsibility for loss of accommodation booked by the candidate, it is therefore important that you ensure that the accommodation provider has a **national lockdown policy** in place, which allows for postponements of accommodation bookings to be carried forward. Please ensure that the guest house has a clear policy where the guest house facility will credit your stay to a later date.
- 21.4 Please email us at [sarisha@nondestructive.co.za](mailto:sarisha@nondestructive.co.za), for any accommodation advice, and support.

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**22. Safety Requirements at NASA:**

22.1 Safety within the NASA organisation is very important to us.

22.2 At our training facility NASA shall provide and have the following readily available:

- a. Fire Extinguishers
- b. First Aid
- c. Emergency Eye Wash Stations
- d. Hand wash
- e. Surgical Gloves
- f. Face Masks

22.3 The minimum safety requirements for candidates while at NASA are:

- a. Be aware of the location of the fire extinguishers inside the building.
- b. Inform us if you notice any sign of fire immediately.
- c. Do not panic in an emergency.  
Proceed to the front of the building, to the parking area and await further instructions.
- d. Be informed that NASA follows a no smoking policy within the training and examination units.  
Smoking is permitted outside the building in designated smoking areas.
- e. If you need first aid, please contact any NASA representative for immediate attention.
- f. Always request assistance while handling or lifting heavy equipment or specimens.

**23. Personal Protective Equipment (P.P.E):**

23.1 During PT and MT practical sessions the following P.P.E is mandatory and is provided:

- a. Face masks.
- b. Surgical Latex Gloves.

23.2 NASA shall provide the following additional P.P.E. which is available only on request:

- a. Protective eyeglasses (safety glasses)
- b. Coveralls (Overalls)

23.3 NASA shall not provide safety shoes (with steel toe capped).

- a. It is not mandatory to use safety shoes.

**24. Classroom General Rules:**

24.1 Mobile cellular phones are to be switched off or set on silent without vibration during lectures.

As a standard light-hearted, humorous rule, any candidate that disturbs the class in session by virtue of a noisy cellular phone, is obliged to buy that class a 2 litre Coke.

24.2 Any candidate that fails to behave in a disciplined manner, and by action of this creates an interruption or inconvenience to the rest of the candidates or the tutor, shall be asked to forfeit the course without monetary refund. Such examples are, the use of vulgar language, violence, blatant disrespect towards others and cheating, etc.

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**25. End of Course Assessment:**

- a. At the completion of the required training hours designated for the relevant course, a mandatory end of course assessment shall be administered.
- b. This is the benchmark to establish successful training.

**25.1 Pass Grades and Content:**

- a. The successful completion of the end of course assessment is achieved by attaining the following grades in the listed Assessment categories and **Pass Grades:** See Tables below:

| <b>Table 6: PT Level 2</b>   |  |             |
|--|--|-------------|
| End of course content and required pass grades. Liquid Penetrant Testing Level 2 |  |             |
| Examination Category:  | Description:   | Pass Grade: |
| General Examination:   | 40 question Multiple choice theory paper.  | 70%         |
| Specific Examination:  | 30 question Multiple choice theory paper.  | 70%         |
| Practical 1:   | Test a welded plate and compile report. Visible method.  | 80%         |
| Practical 2:   | Test a welded T-piece and compile report. Fluorescent method.  | 80%         |
| Written Instruction:   | Compile a written instruction.   | 70%         |
| Aggregate:   | An overall composite grade shall be determined by simple averaging of the results of the General, Specific, Practical, and Written Instruction examinations. In order to be successful an overall composite grade of 80% is required to be achieved. | 80%         |
| All examination parts are closed book.   |  |             |

| <b>Table 7: MT Level 2.</b>  |  |             |
|--|--|-------------|
| End of course content and required Pass grades: Magnetic Particle Testing Level 2. |  |             |
| Examination Category:  | Description:   | Pass Grade: |
| General Examination:   | 40 question Multiple choice theory paper.  | 70%         |
| Specific Examination:  | 30 question Multiple choice theory paper.  | 70%         |
| Practical 1:   | Test a welded plate and compile report. Visible method.  | 80%         |
| Practical 2:   | Test a welded pipe and compile report. Fluorescent method.   | 80%         |
| Written Instruction:   | Compile a written instruction.   | 70%         |
| Aggregate:   | An overall composite grade shall be determined by simple averaging of the results of the General, Specific, Practical, and Written Instruction examinations. In order to be successful an overall composite grade of 80% is required to be achieved. | 80%         |
| All examination parts are closed book.   |  |             |

**Table 8: UT Level 1 (Plate and Pipe)**

End of course content and required Pass grades: Ultrasonic testing level 1: 3.1 and 3.2

| Examination Category:   | Description:   | Pass Grade: |
|---|--|-------------|
| General Examination:  | 40 question Multiple choice theory paper.  | 70%         |
| Specific Examination:   | 30 question Multiple choice theory paper.  | 70%         |
| Practical 1:  | Test a rolled plate and compile report. Compressional scan only.   | 80%         |
| Practical 2:  | Test a welded plate or pipe and report.  | 80%         |
| Written Instruction:  | N/a  | N/a         |
| Aggregate:  | An overall composite grade shall be determined by simple averaging of the results of the General, Specific, Practical, and Written Instruction examinations. In order to be successful an overall composite grade of 80% is required to be achieved. | 80%         |
| All examination parts are closed book.<br>Level 1 Candidates shall not be required to perform evaluation.<br>There is no Written Instruction. |  |             |

**Table 9: UT level 2 (Plate and Pipe)**

End of course content and required pass grades: Ultrasonic testing level 2: 3.1 and 3.2

| Examination Category:   | Description:   | Pass Grade:  |
|---|--|--|
| General Examination:  | 40 question Multiple choice theory paper.  | 70%  |
| Specific Examination:   | 30 question Multiple choice theory paper.  | 70%  |
| Practical 1:  | Test a rolled plate and compile report. Compressional scan only.   | 80%  |
| Practical 2:  | 3.1.2: test a welded plate and report.   | 80%  |
| <b>Practical 3:</b>   | 3.1.3: test a welded plate and report.   | Only 1 shall be chosen by the invigilator.<br><b>80%</b> |
|   | 3.1.4: test a welded plate and report.   |  |
| Practical 4:  | 3.2.1: test a welded pipe and report.  | 80%  |
| Practical 5:  | 3.2.5: test a welded pipe and report.  | 80%  |
| Practical 6:  | 3.2.7: test a welded pipe and report.  | 80%  |
| Written Instruction:  | Compile a written instruction.   | 70%  |
| Aggregate:  | An overall composite grade shall be determined by simple averaging of the results of the General, Specific, Practical, and Written Instruction examinations. In order to be successful an overall composite grade of 80% is required to be achieved. | 80%  |
| All examination parts are closed book.<br><b>The invigilator will only select either a 3.1.3, or 3.1.4., not both. (One shall be omitted)</b> |  |  |

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**Table 10: VT Level 2**

End of course content and required Pass grades: Visual testing level 2:

| Examination Category:                  | Description:   | Pass Grade: |
|--|--|-------------|
| General Examination:                   | 40 question Multiple choice theory paper.  | 70%         |
| Specific Examination:                  | 30 question Multiple choice theory paper.  | 70%         |
| Practical 1:                           | Test a welded plate and compile report.  | 80%         |
| Practical 2:                           | Test a welded pipe or T-piece and compile report.  | 80%         |
| Written Instruction:                   | Compile a written instruction.   | 70%         |
| Aggregate:                             | An overall composite grade shall be determined by simple averaging of the results of the General, Specific, Practical, and Written Instruction examinations. In order to be successful an overall composite grade of 80% is required to be achieved. | 80%         |
| All examination parts are closed book. |  |             |

**Table 11: RI Level 2**

End of course content and required pass grades: Radiographic Interpretation level 2

| Examination Category:  | Description:  | Pass Grade: |
|--|---|-------------|
| General Examination:   | 40 question Multiple choice theory paper.   | 70%         |
| Specific examination:  | 30 question Multiple choice theory paper.   | 70%         |
| Practical 1:   | The interpretation and reporting on 12 radiographic films, utilising a high intensity film viewer. (6 Light and 6 Dense)  | 80%         |
| Written Instruction:   | Compile a written instruction   | 70%         |
| Aggregate:   | An overall composite grade shall be determined by simple averaging of the results of the General, Specific, Written Instruction and Practical examinations. In order to be successful an overall composite grade of 80% is required to be achieved. | 80%         |
| All examination parts are closed book.<br>There is no Written Instruction. |   |             |

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**Table 12: RT Level 1**

End of course content and required Pass grades: Radiographic Testing Level 1

| Examination Category:   | Description:   | PASS grade: |
|---|--|-------------|
| General Examination:  | 40 question Multiple choice theory paper.  | 70%         |
| Specific Examination:   | 30 question Multiple choice theory paper   | 70%         |
| Practical 1:  | Test and Report: Plate SWSI Dense  | 80%         |
| Practical 2:  | Test and Report: Pipe DWDI Light   | 80%         |
| Practical 3:  | Test and Report: Pipe DWSI Dense   | 80%         |
| Written Instruction:  | N/a  | N/a         |
| Aggregate:  | An overall composite grade shall be determined by simple averaging of the results of the General, Specific and Practical examinations. In order to be successful an overall composite grade of 80% is required to be achieved. | 80%         |
| All examination parts are closed book.<br>There is no Written Instruction.<br>Candidates shall not be required to perform evaluation. |  |             |

**Table 13: RT level 2:**

End of course content and required Pass grades: Radiographic Testing Level 2:

| Examination Category:                  | Description:   | PASS grade: |
|--|--|-------------|
| General Examination:                   | 40 question Multiple choice theory paper.  | 70%         |
| Specific Examination:                  | 30 question Multiple choice theory paper   | 70%         |
| Practical 1:                           | Test and Report: Plate SWSI Dense - Carbon Steel.  | 80%         |
| Practical 2:                           | Test and Report: Pipe DWDI Dense - Carbon Steel.   | 80%         |
| Practical 3:                           | Test and Report: Pipe DWSI Dense - Carbon Steel.   | 80%         |
| Practical 4:                           | Test and Report: Pipe DWDI Light - Aluminium.  | 80%         |
| Practical 5:                           | Test and Report: T-Piece SWSI Light - Aluminium  | 80%         |
| Practical 6:                           | The interpretation and reporting on 6 radiographic films, utilising a high intensity film viewer. 3 Dense and 3 Light.   | 80%         |
| Written Instruction:                   | Compile a written instruction.   | 70%         |
| Aggregate:                             | An overall composite grade shall be determined by simple averaging of the results of the General, Specific and Practical examinations. In order to be successful an overall composite grade of 80% is required to be achieved. | 80%         |
| All examination parts are closed book. |  |             |

|                  |                      |           |              |          |
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**Table 14: ET Level 2:**

End of course content and required pass grades: Eddy Current Testing Level 2

| Examination Category:                  | Description:   | PASS grade: |
|--|--|-------------|
| General Examination:                   | 40 question Multiple choice theory paper.  | 70%         |
| Specific Examination:                  | 30 question Multiple choice theory paper   | 70%         |
| Practical 1:                           | Test a welded Plate and compile report.  | 80%         |
| Practical 2                            | Test a welded Pipe, T-piece, Cruciform, or Gusset and compile report.  | 80%         |
| Written Instruction:                   | Compile a written instruction.   | 70%         |
| Aggregate:                             | An overall composite grade shall be determined by simple averaging of the results of the General, Specific, Practical, and Written Instruction examinations. In order to be successful an overall composite grade of 80% is required to be achieved. | 80%         |
| All examination parts are closed book. |  |             |

**Table 15: WT Level 2: Digital**

End of course content and required pass grades: Ultrasonic Wall Thickness Testing Level 2 Digital

| Examination Category:  | Description:   | PASS grade: |
|--|--|-------------|
| General Examination:   | 40 question Multiple choice theory paper.  | 70%         |
| Specific Examination:  | 30 question Multiple choice theory paper   | 70%         |
| Practical 1:   | Various Wall Thickness Specimens – Digital meter   | 80%         |
| Practical 2  | Grid Scan on Rolled Plate – Digital meter  | 80%         |
| Written Instruction:   | N/a  | N/a         |
| Aggregate:   | An overall composite grade shall be determined by simple averaging of the results of the General, Specific, Practical, and Written Instruction examinations. In order to be successful an overall composite grade of 80% is required to be achieved. | 80%         |
| All examination parts are closed book.<br>There is no written Instruction. |  |             |

**Table 16: PAUT Level 2:**

End of course content and required pass grades: Phased Array Ultrasonic Testing Level 2

| Examination Category:                  | Description:  | PASS grade: |
|--|---|-------------|
| General Examination:                   | Exempt – The candidate shall hold Valid UT level 2.   | N/a         |
| Specific Examination:                  | 30 question Multiple choice theory paper  | 70%         |
| Practical 1:                           | Test a rolled plate and compile report. Compressional scan only.  | 80%         |
| Practical 2:                           | 3.1.3: test a welded plate and report.  | 80%         |
| Practical 3:                           | 3.1.4: test a welded plate and report.  | 80%         |
| Written Instruction:                   | Compile a written instruction.  | 70%         |
| Aggregate:                             | An overall composite grade shall be determined by simple averaging of the results of the Specific, Practical, and Written Instruction examinations. In order to be successful an overall composite grade of 80% is required to be achieved. | 80%         |
| All examination parts are closed book. |   |             |

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## 25.2 End of Course Assessment Rules and Conduct:

- a. During any Exam or Assessment, the candidates head is not allowed to be covered by a Cap, Beanie, Bandana, Hoodie or any other form of clothing that partially or completely covers the head and face. Scarfs and Hijabs for religious purposes are permitted.
- b. A candidate who fails to obtain the pass grade required may be re-examined in any of the examination parts twice, provided that the re-examination takes place not sooner than a period of 30 days after a previous examination and not later than **2 years** after the original examination.
- c. **If the retest is not taken in 2 years, the candidate shall revert to a full initial examination.** A candidate may not take longer than two years to complete a rewrite of any category.
- d. Successful completion of the End of Course Assessment shall ultimately provide evidence of successful training completion and eligibility to undertake the relevant PCN Examination.
- e. Any candidate who, during the course of the examination, does not abide by the examination rules or who perpetrates, or is an accessory to, fraudulent conduct shall be excluded and banned from further examinations for a period of one year. No examination results will be issued for any examination parts already completed and an email will be sent to the candidate concerned and to the employer, or sponsor explaining why the examination was terminated.
- f. No mobile phones or other electronic communication devices are permitted during examinations. Note well that you will be asked to hand in your cellular phone to the exam invigilator prior to the start of the examination. Family members, companies, friends and spouses may call our office number **0317083433**, or our Cellphone number: **083 321 0618** in the event of an emergency.
- g. Non-programmable scientific calculators are required for all examinations except Liquid Penetrant Inspection, and Visual Testing. Cellular phones shall not be permitted to be used as calculators. Sharing of calculators shall not be permitted.
- h. There must be no communication, either spoken or written between candidates during the period of the examination. Candidates who are guilty of any misconduct, including copying from or communicating with any other candidate during the examination will be asked to leave the examination room immediately.
- i. All bags, documents, notes etc. must not be accessible. Candidates are only permitted to take general stationery (pens, rulers, erasers and non-programmable calculators) to their desk.
- j. Candidates are not permitted the use of any stationery aids during the examination (including blank paper, books and written material). All relevant examination documentation required shall be provided by the invigilator.
- k. You will be required to complete the prescribed examination in the allocated time interval; no extra time shall be given to any candidate. (The time shall be more than sufficient.)
- l. All exams must be written in black or blue ink only (including drawings and sketches). (No Pencil work is permitted).
- m. If a candidate completes an examination before the allocated time has elapsed, he/she may hand in all examination documents to the invigilator and leave the examination room. The candidate will not be allowed back into the examination room.
- n. The candidate may only ask the invigilator questions pertaining to the examination instructions and requirements. Under no circumstances is the invigilator allowed to check your answers.

## 25.3 End of Course Assessment Results:

- a. Results shall be available and released 14 working days after the examination by email.
- b. Please check your email and ensure that the address is active.

## 25.4 Exam Non-Attendance:

- a. Should you arrive late for an exam, you will not be allowed to complete the categories missed on that day. You will only be allowed to continue at the next category start. Please email us to re-schedule.
- b. Should you miss the entire exam and do not attend, please email us to re-schedule.

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**26. Industrial Experience:**

- 26.1 Once you have finished the course and you are successful in passing the End of Course Assessment a successful completion of training certificate and a composite grade results sheet shall be issued.
- 26.2 In accordance with standards that provide the rules for personnel certification, (SNT-TC-1A and ISO 9712) you must satisfy an industrial experience requirement, to be certified.
- 26.3 Work activities accomplished in a particular NDT test method under the supervision of a certified individual in that particular method is referred to as Industrial Experience and includes time spent observing, setting-up and executing specific test procedures, performing calibrations and carrying out other NDT related activities.
- 26.4 Time spent in organized training programs at the training school when you are on course does not count as experience. Industrial experience is gained by working on site under the supervision of a person certified in the same method, level and sector to which you are seeking certification for.
- 26.5 The required amount of experience in accordance with ISO 9712 where applicable is as listed in Table 16:

| NDT Method | Level 1 | Level 2 | Level 3 |
|------------|---------|---------|---------|
|            | Months  | Months  | Months  |
| PT, MT, VT | 1       | 3       | 12      |
| RT, UT, ET | 3       | 9       | 18      |
| RI         | N/a     | 6       | N/a     |
| PAUT       | 1       | 3       | 24      |

- 26.6 For Level 2 certification, the intent is that work experience consists of time as a Level 1. If the individual is being qualified directly to Level 2, with no time at Level 1, the experience shall consist of the sum of the times required for Level 1 and Level 2.
- 26.7 Industrial NDT experience in the appropriate sector may be acquired either prior to or following success in the qualification examination.
- 26.8 We do not undertake the responsibility finding candidates a job, but we will assist in placing you in contact with NDT companies that can offer you experience. Usually, companies do not pay for this experience, it is entirely their decision as to if they want to pay you or not. Once you have acquired the necessary work experience, you will then be ready to be a certified technician.
- 26.9 Log sheet formats for the recording and documenting of industrial experience hours are available for free download on the NASA website.

## 27. Indemnity:

- 27.1 All prospective candidates enrolled at NASA, must acknowledge that NASA Dbn (Pty) Ltd., the members, and all its personnel, are not in any way responsible for any loss, damage or injury that may be sustained by any person or to any property upon entering the NASA property.
- 27.2 Whilst NASA adopts stringent safety practices and strives to ensure the safety and wellbeing of all our clients and visitors, all persons attending training or visiting the NASA premises acknowledge that they do so at their own risk.
- 27.3 NASA will not be held liable should any loss, damage or injury occur, inclusive of:
- Expenses and/or liability (whether actual, contingent or otherwise) of whatever nature and however arising or caused.
  - Costs (including legal costs on the scale as between attorney and client and any additional legal costs).
  - Direct, indirect and consequential damages and/or loss of profits.

## 28. Signing Acceptance:

- 28.1 If you intend on booking a course at NASA, you will be required to sign acceptance that you have read and understood this document **NASA 131 Terms and Conditions**, Acceptance shall be duly noted on the **NASA 207 Course Application Form** which requires the candidate's signature.
- 28.2 The course application form **NASA 207 Course Application Form** must be signed and sent to us via, email, or handed in at the branch, prior to processing any payment towards your booking.
- 28.3 Please ensure that you read this document prior to making any payment towards your course fees.

## 29. PCN Examination References:

- 29.1. It is highly recommended that you read the following documents available on the BINDT website and be aware of the contents therein. The latest version shall always apply, and is available free of charge at:  
<https://www.bindt.org/Certification/legacy-pcn-document-download/>  
<https://www.bindt.org/Certification/PCN24download/>
- PCN24/GEN General requirements for Qualification and PCN certification of NDT personnel
  - PCN24/PSL30 Log of pre-certification experience
  - PCN24/PSL44 Visual acuity and colour perception guidance document
  - PCN24/PSL57A Application of PCN examination (initial, recertification, retest, sector supplementary and extension to certification)
  - PCN24/PSL57C Post-experience application: Application for certification where experience is gained following examination
  - PCN24/CP25 Guidelines for the preparation of NDT procedures and instructions in PCN examinations.
  - PCN24/CP27 Code of Ethics for PCN certificate Holders
  - PCN24/CP16 Renewal and recertification of PCN Level 1, 2 and 3 certificates
  - PCN24/PSL35 Charges for certification services.

## 30. Eligibility for PCN examinations:

- 30.1 In order to do the PCN Exam, you will need a **Successful Training Certificate** that is issued by a BINDT Approved Training Organisation. (BINDT ATO). NASA is a BINDT ATO.
- 30.2 You cannot take the PCN Exam If you do not have a BINDT ATO Successful Training Certificate. When you complete and Pass our End of Course Assessment, we issue you with a **Successful Training Certificate**. If you do not Pass our End of Course assessment, you cannot take the PCN Exam.
- 30.3 You will need an Eye test on PCN Document PCN24/PSL44. We will do the eye test.
- 30.4 You will need home access to a computer, as we will give you Codes and Specifications for study purposes, a decent smart phone with a PDF Reader may suffice.
- 30.5 We will need 1 x digital colour photo. We will take the photo and transfer it to email.

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### 30.6 British Institute of Non-Destructive Testing (BINDT) – Product Technology Requirement:

- a) BINDT have made their Product Technology course mandatory for all new PCN examination applicants. This requirement applies to all first-time candidates wishing to undertake PCN examinations.
- b) Candidates are required to provide NASA with a copy of the Product Technology certificate in advance of the examination. The course is completed online and is only required to be undertaken once.
- c) The online course is available at the following link:  
<https://www.bindt.org/Certification/product-technology-online-training/>
- d) Please note that a separate fee applies, as stipulated on the BINDT website, and is payable directly to BINDT.
- e) NASA has included a section on the course application form requiring candidates to acknowledge this new BINDT-mandated requirement.

### 31. Booking of PCN Examinations:

31.1 PCN Examinations are readily available and may be scheduled via email, with: [meyuri@nondestructive.co.za](mailto:meyuri@nondestructive.co.za)  
Remember that you must have a successful completion of training certificate.

### 32. Eligibility for PCN Certification:

32.1 Pass the PCN examination in the method and sector concerned.

32.2 Meet the Vision test requirements. (Eye test).

32.3 Meet the industrial experience requirement. Your relevant experience record shall be documented on the PCN document PSL/30.

32.4 If you meet the experience requirement before the PCN exam, your application will be documented on PCN24/PSL57A Application of PCN examination (initial, recertification, retest, sector supplementary and extension to certification). We will assist you with the application form.

32.5 If you do not meet the experience requirement, you will not be eligible for PCN certification, after passing the PCN examination **you will only receive the PCN results notice**. The results remain valid for up to two years only, in which you may seek experience, document the experience and submit directly to BINDT. (Send to [pcn@bindt.org](mailto:pcn@bindt.org)) There will be **an additional charge due directly to BINDT**. See PSL/35 Charges for certification services. Your application will be completed on **PCN24/PSL57C Post-experience application: Application for certification where experience is gained following examination**. We will not assist you with the post exam application form.

### 32.6 Other important information related to PCN certification:

- a. **You will need to supply a copy of the certificate of the person, “supervisor” that is signing your hours.**
- b. The person signing, supervisor’s certificate(s) must be verified as the same level, sector and method and must be valid at the time the experience was gained.
- c. Only a PCN level 2 (or equivalent certification body recognised by BINDT) or ASNT level 3 may sign your hours of experience hours acquired.
- d. Experience may be acquired prior to or following success in the qualification examination. (Level 2).
- e. The chances of success in a PCN examination may be significantly reduced if candidates have little or no current experience in the application of the NDT method in the sector concerned.
- f. For all Level 3 examinations, the full duration of the experience hours is required to be submitted and approved prior to the examination.

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**33. PCN Results and PCN Certificates:**

- 33.1 We will send you the PCN results via email.
  - a. PCN Exam Results shall be released by us to you, via email, within 28 days, except for RT, which requires the radiographic films to be couriered to the UK and may take a week or 2 longer.
  - b. Candidates who fail any part of the examination will be provided with brief reasons for failure on the results notice.
  - c. Unfortunately, you will not be allowed to review or view any examination papers/parts taken.
- 33.2 BINDT will send you the Electronic PCN Certificate via a link to the email address that you stipulated on you application form. Only you will be allowed to retrieve and access the certificate.

**34. The PCN examination content:**

- 34.1 The qualification examination consists of written general and specific parts, and a specific practical examination covering a given NDT method applied to specimen's representative of products in one or more industrial sectors.
- 34.2 The general and specific written examinations are comprised mainly of multiple-choice answer questions.
- 34.3 The general and specific examination includes only validated questions selected in an unpredictable way from the collection of general questions approved by the British Institute of NDT at the time of the examination.
- 34.4 During the specific examination, the candidate shall be required to answer multiple-choice questions, including questions involving calculations, written procedures and questions on product technology, codes, standards and specifications.
- 34.5 If the specific examination covers two or more product sectors, the questions will be evenly spread between the sectors concerned. Multi Sector Level 1 specific papers will contain 35 questions, 10 from each sector plus 5 product technology questions. Multi Sector Level 2 specific papers will contain 40 questions, 10 from each sector plus 10 product technology questions.  
Note: You will be conducting a 40 question multi-sector paper.
- 34.6 The time allowed to the candidates for completion of each examination shall be based upon the number and difficulty of the questions. The average time allowed shall be no less than one minute nor longer than two minutes per multiple choice question.
- 34.7 The practical examination is of sufficient duration, complexity and scope adequately to verify the candidate's ability to apply the NDT method to real test situations.
- 34.8 For Level 2 the candidate will demonstrate the ability to prepare a written instruction for Level 1.
- 34.9 Table 18, 19 and 20 sums up some examples of the layout of the PCN examination.

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**Table 18: PCN examination example structure for PT, MT, ET and VT.**

| Parts:  | General Paper:  | Specific Paper:  | Practical:  |
|---|---|--|---|
| Description:  | 40 questions<br>multiple choice   | 30 questions<br>multiple choice<br>All candidates will sit a<br>Multi-sector specific theory<br>paper. | 1 X Written Instruction<br>3 X Specimens with Reporting.<br>Specimens Shall Be Selected From:<br>Pipes, Plate, Or T-Piece.<br>All Specimens Must Be Tested on The<br>Cap and Root Side If Accessible. |
| Time allowed:   | 80 minutes (1.2 hour)   | 90 minutes (1.5 hour)  | 240 minutes (4 hours)   |
| Pass grade:   | 70%   | 70%  | 70%   |
| Closed book.  | Closed book.  | Closed book.   | The Mark allocation provided for<br>written instruction.<br>Techniques provided for testing.  |
| Rewrite Rules:  | If the General paper is<br>failed, then the<br>candidate shall rewrite<br>the General paper only. | If the Specific paper is failed,<br>then the candidate shall<br>rewrite the Specific paper<br>only.    | If any of the specimens or the written<br>instruction is failed the candidate must<br>rewrite the whole part, meaning all 3<br>specimens and the written instruction.                                 |
| <p>The candidate is allowed two rewrites on each part to be completed:<br/>General, Specific or Practical.<br/>Rewrites should be completed within 6 months of the original date, but not sooner than 30 days.<br/>Candidates are allowed two re-sits within 12 months of the examination date.<br/>If this is not completed within 12 months, then the candidate will revert to initial candidate.</p> |   |  |   |

| <b>Table 19: PCN examination example structure for UT. Categories: Welds in Plate (3.1) and Welds in Pipe (3.2)</b>  |  |  |   |  |  |
|--|--|--|---|--|--|
| Parts:   | General paper:   | Specific paper:  | Practical:  |  |  |
| Description:   | 40 questions<br>multiple choice  | 30 questions<br>multiple choice<br>All candidates will sit a<br>multi-sector specific<br>theory paper. | Written<br>instruction<br>1 x written<br>instruction.   | Welds in plate<br>(3.1)<br>System Control<br>and Functional<br>Tests, and<br>1 x thickness<br>sizing block,<br>2 x rolled plate<br>specimen.<br>2 x welded plate<br>specimens. | Welds in pipe<br>(3.2)<br>2 x welded pipe<br>specimens   |
| Time allowed:  | 80 minutes<br>(1.2 hour)   | 90 minutes<br>(1.5 hour)   | 14.5 hours total for the entire practical.<br>System Control and Functional Tests x 1 hour,<br>1 x Sizing Block x 30 minutes<br>2 x rolled plate specimen x 1 hour each,<br>2 x welded plate specimens x 2.5 hours each,<br>2 x welded pipe specimens x 2.5 hours each. |  |  |
| Pass grade:  | 70%  | 70%  | 70%   | 70%  | 70%  |
| Closed book.   | Closed book.   | Closed book.   | Mark allocation<br>provided for<br>written<br>instruction.  | Techniques<br>provided for<br>testing.   | Techniques<br>provided for<br>testing.   |
| Rewrite rules:   | If the general<br>paper is failed,<br>then the<br>candidate shall<br>rewrite the<br>general paper<br>only. | If the specific paper is<br>failed, then the<br>candidate shall rewrite<br>the specific paper only.    | As the written<br>instruction is<br>common to<br>both 3.1 and<br>3.2, if it is failed<br>the candidate<br>shall rewrite<br>the written<br>instruction and<br>retest all 6<br>specimens.   | If any of the<br>Functional<br>Checks,<br>thickness sizing<br>block, or<br>specimens are<br>failed the<br>candidate must<br>rewrite the<br>whole part.                         | If any of the<br>specimens are<br>failed the<br>candidate must<br>rewrite the<br>whole part,<br>meaning all 2<br>pipe specimens. |
| <p>3.1 And 3.2 shall be regarded as 2 separate practicals.<br/>Candidates who pass the written instruction and functional tests along with one of the categories but fail the other will be awarded a part-pass only and will only be required to re-sit the failed part.</p> <p>The candidate is allowed two rewrites on each part to be completed:<br/>General, Specific or Practical.<br/>Rewrites should be completed within 6 months of the original date, but not sooner than 30 days.<br/>Candidates are allowed two re-sits within 12 months of the examination date.<br/>If this is not completed within 12 months, then the candidate will revert back to initial candidate.</p> |  |  |   |  |  |

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| Parts:  | General paper:  | Specific paper:   | Practical:  |  |
|---|---|---|---|--|
| Description:  | 40 questions multiple choice  | 30 questions multiple choice<br>All candidates will sit a multi-sector specific theory paper. | Written instruction<br>1 x written instruction.   | To view and evaluate a total of 10 Radiographs from appropriate categories i.e. Light and Dense Metals The candidate will sit:<br>5Light Radiographs and 5 Dense Radiographs if a candidate is specifically Dense only or Light only the candidate will sit 10 Radiographs from that category. |
| Time allowed:   | 80 minutes (1.2 hour)   | 90 minutes (1.5 hour)   | 60 minutes (1 hour)   | 15 mins per Radiograph. Total time: 2.5 hours  |
| Pass grade:   | 70%   | 70%   | 70%   | 70% in each Film.  |
| Closed book.  | Closed book.  | Closed book.  | Mark allocation provided for written instruction.   | Techniques provided for testing.   |
| Rewrite rules:  | If the general paper is failed then the candidate shall rewrite the general paper only. | If the specific paper is failed then the candidate shall rewrite the specific paper only.     | If the written instruction is failed then the candidate shall rewrite the written instruction only. | If any of the specimens are failed the candidate must rewrite the whole part, meaning all 10 films.  |
| <p>The candidate is allowed two rewrites on each part to be completed:<br/>General, Specific, Practical or Written instruction.<br/>Rewrites should be completed within 6 months of the original date, but not sooner than 30 days.<br/>Candidates are allowed two re-sits within 12 months of the examination date.<br/>If this is not completed within 12 months, then the candidate will revert back to initial candidate.</p> |   |   |   |  |

**35. PCN PASS Grades:**

- 35.1 PCN has agreed that from 1 January 2016 the pass grade of a PCN exam will be reduced to a straight 70% pass on each examination part, with no overall average.
- 35.2 This will bring PCN in line with all other certification bodies operating an ISO 9712 scheme.

**36. PCN Examination Day Schedule:**

- 36.1 Typical Examination Day schedule for PT, MT and ET Level 2, Table 21:

| Time:          | Duration: | Schedule:                                      |
|----------------|-----------|--|
| 8h00 to 9h20   | 80 min    | General Paper                                  |
| 9h20 to 9h30   | 10 min    | Break  |
| 9h30 to 11h30  | 120 min   | Specific paper (Some papers may allow 2 hours) |
| 11h30 to 12h00 | 30 min    | Lunch  |
| 12h00 to 13h00 | 1 hour    | Written Instruction                            |
| 13h00 to 16h00 | 3 hours   | 3 x Practical's Test and report.               |
| 16h00 to 16h10 | 10 min    | Review of application forms and eye test.      |

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36.2 Typical Examination Day schedule for VT Level 2, Table 22:

| <b>Table 22: Examination schedule for VT Level 2.</b> |           |   |
|---|-----------|---|
| Time:   | Duration: | Schedule:                                 |
| 8h00 to 9h20  | 80 min    | General Paper                             |
| 9h20 to 9h30  | 10 min    | Break                                     |
| 9h30 to 11h30   | 120 min   | Specific paper                            |
| 11h30 to 12h00  | 30 min    | Lunch                                     |
| 12h00 to 13h00  | 1 hour    | Written Instruction                       |
| 13h00 to 16h00  | 3 hours   | 3 x Practical's Test and report.          |
| 16h00 to 16h10  | 10 min    | Review of application forms and eye test. |

36.3 Typical Examination Day schedule for RI Level 2, Table 23:

| <b>Table 23: Examination schedule for RI Level 2.</b> |           |   |
|---|-----------|---|
| Time:   | Duration: | Schedule:   |
| 8h00 to 9h20  | 80 min    | General Paper   |
| 9h20 to 9h30  | 10 min    | Break   |
| 9h30 to 11h30   | 2 hours   | Specific paper  |
| 11h30 to 12h00  | 30 min    | Lunch   |
| 12h00 to 13h00  | 1 hour    | Written Instruction                                   |
| 13h00 to 15h30  | 2.5 hours | 10 x Film Interpretation Practical's Test and report. |
| 15h30 to 16h00  | 30 min    | Review of application forms and eye test.             |

36.4 Typical Examination Day schedule for UT Level 2, Table 24:

| <b>Table 24: Examination schedule for UT Level 2.</b> |                 |   |
|---|-----------------|---|
| Time:   | Duration:       | Schedule:                                       |
| 07h30 to 16h00  | 7 Hours 30 Mins | Day 1 Plate Category (3.1) (30 mins Lunch)      |
| 07h30 to 13h00  | 5 Hours         | Day 2 Pipe Category (3.2) (30 mins Lunch)       |
| 8h00 to 9h20  | 80 min          | Day 3 General Paper                             |
| 9h20 to 9h30  | 10 min          | Day 3 Break                                     |
| 9h30 to 11h00   | 90 min          | Day 3 Specific paper                            |
| 11h00 to 12h00  | 1 hour          | Lunch   |
| 12h00 to 13h00  | 1 hour          | Day 3 Written Instruction                       |
| 13h00 to 13h30  | 30 min          | Day 3 Review of application forms and eye test. |

**37. Covid-19 Occupational Health and Safety Measures:**

- 37.1 Throughout the phases of the Peak Covid-19 Pandemic, NASA had implemented Covid-19 Occupational Health and Safety Protocols at all our Facilities, all of which have been withdrawn from this clause, and are no longer required, nor mandatory as per Government legislature.
- 37.2 NASA shall continue to include the promotion of sanitizing, washing of hands, and sanitizing of surfaces.
- 37.3 There are no other mandatory conditions, and the relaxed protocols are implemented following the Department of Health (DOH) media statement.

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