Annex F

Transition of certification from IS 13805 -ISNT L3 to ICN Level 3 - Certification requirements

1. **Educational Qualification:**

The minimum educational requirements are a Diploma in engineering, or two years of science or engineering study during graduation

2. Industrial experience

The candidate shall meet the minimum industrial experience as outlined in Table 1

Table-1

Method	Industrial Experience in days
RT, UT	540
PT, MT, VT	360

- When a candidate is seeking certification in more than one method, the total required time shall be the sum of the experience in each method.
- Documentary evidence of industrial experience shall be confirmed by the employer or referee and submitted to the NCB.
- A Level 3 candidate, after transitioning to the ICN certification scheme, may be permitted a 25% reduction in the required experience for any additional method beyond the first.
- A Level 3 candidate adding another sector for the same method shall be required to gain additional experience of 25% as required in Table 1.

3. Vision Requirements:

The candidate must produce a valid vision certificate, a near vision acuity test, and a colour vision test certificate from a licensed physician, nurse, ophthalmologist, or optometrist as per the format of NCB before certification and annually thereafter.

Near vision acuity: shall permit reading a minimum of Jaeger number 1 or Times Roman N4.5 or equivalent letters at not less than 30 cm with one or both eyes, either corrected or uncorrected.

Colour vision: The Ishihara 24 plate test. The colour vision test shall either confirm that the individual has acceptable colour vision without restriction or shall state any limitation(s) on colour perception.

4. Training Requirements:

Candidates must submit a **valid ISNT Level III in the method applied** as proof of eligibility to enroll in this training program. In addition, each candidate shall complete the **minimum additional Level III training requirements** for the applicable NDT method **as specified in Table 2**

Table-2

Method	Training requirement in days
RT, UT	3
PT MT VT	2

5. Examination requirements

Practical examination: To be eligible for taking the Level 3 examinations of the ICN scheme, the candidate must pass the practical examination for the appearing method and sectors of Level 2 as per ICN Level II examination requirements.

Practical examination is exempted for method MT, PT, RT, VT &UT for weld sector only, for those with a valid IS 13805 Level 3 certification.

Basic, Method, and Specific examinations: The candidate shall meet the requirements of Examinations as per table 3.

Table-3

Item	Subject	Number of Questions	Exemption/Appear for Examination	Duration of examination (Minutes)
A	Technical knowledge of material science and technology (Basic)	25	Exempted	
B	Knowledge of the NCB-ISNT's Certification Scheme (Basic)	10	To appear for the examination based on ICN Scheme	30
C	General knowledge of at least four methods as required for L3 (Basic)	60	Exempted	
D	Level 3 knowledge for the NDT test method applied (Method)	30	Exempted	
E	Application of NDT method in the sector concerned, including codes, standards, specifications, and procedures (Specific-Part-I)	20	To appear for the examination	90
F	Drafting one or more NDT procedures in the relevant sector (Specific-Part-2)		To appear for the examination	60

6. Certificate:

Certification is issued by NCB-ISNT and is valid for a maximum of five (5) years, provided that the holder continues to meet all certification requirements. The validity period starts on the date of the certification decision issued by NCB-ISNT.

Annex G

Transition of certification from ASNT Level III to ICN Level 3 - Certification requirements

1. **Educational Qualification:**

The minimum educational requirements are a Diploma in engineering, or two years of science or engineering study during graduation

2. Industrial experience:

The candidate shall meet the minimum industrial experience as outlined in Table 1

Table -1

Method	Industrial Experience in days
RT, UT	540
PT, MT, VT	360

- When a candidate is seeking certification in more than one method, the total required time shall be the sum of the experience in each method.
- Documentary evidence of industrial experience shall be confirmed by the employer or referee and submitted to the NCB.
- A Level 3 candidate, after transitioning to the ICN certification scheme, may be permitted a 25% reduction in the required experience for any additional method beyond the first.
- A Level 3 candidate adding another sector for the same method shall be required to gain additional experience of 25% as required in Table 1.

3. Vision Requirements:

The candidate must produce a valid vision certificate, a near vision acuity test, and a colour vision test certificate from a licensed physician, nurse, ophthalmologist, or optometrist as per the format of NCB before certification and annually thereafter.

Near vision acuity: shall permit reading a minimum of Jaeger number 1 or Times Roman N4.5 or equivalent letters at not less than 30 cm with one or both eyes, either corrected or uncorrected.

Colour vision: The Ishihara 24 plate test. The colour vision test shall either confirm that the individual has acceptable colour vision without restriction or shall state any limitation(s) on colour perception.

4. Training Requirements:

The candidate must meet the minimum training requirements for Level 3 in the NDT method, as in Table 2

Table-2

Method	Training requirement in days
RT, UT	5
PT MT VT	3

5. Examination requirements

Practical examination:

To be eligible for taking the Level 3 examinations of the ICN scheme, the candidate must pass the practical examination for the appearance method and sectors of Level 2 as per ICN Level II examination requirements

Practical examination is exempted for

- ICN Level 2 holders for the method and sector applied for.
- BARC RT level II certification for method RT and weld sector

Basic, Method, and Specific examinations: The candidate shall meet the requirements of the Examinations as per Table -3

Table-3

Item	Subject	Number of Questions	Exemption/Appear for Examination	Duration of examination (Minutes)
A	Technical knowledge of material science and technology (Basic)	25	Exempted	
B	Knowledge of the NCB-ISNT's Certification Scheme (Basic)	10	To appear for the examination based on ICN Scheme	30
C	General knowledge of at least four methods as required for L3 (Basic)	60	Exempted	
D	Level 3 knowledge for the NDT test method applied (Method)	30	Exempted	
E	Application of NDT method in the sector concerned, including codes, standards, specifications, and procedures (Specific-Part-I)	20	To appear for the examination	90
F	Drafting one or more NDT procedures in the relevant sector (Specific-Part-2)		To appear for the examination	60

6. Certificate:

Certification is issued by NCB-ISNT and is valid for a maximum of five (5) years, provided that the holder continues to meet all certification requirements. The validity period starts on the date of the certification decision issued by NCB-ISNT.

Annex H

Transition of certification from IS 13805 -ISNT L2 to ICN Level 2 and BARC RT II to ICN RT L2

1. **Educational Qualification:**

The minimum educational requirements Class X or equivalent with science and mathematics.

2. Industrial experience

The candidate shall meet the minimum industrial experience as outlined in Table 1

- When a candidate is seeking certification in more than one method, the total required time shall be the sum of the experience in each method.
- Documentary evidence of industrial experience shall be confirmed by the employer or referee and submitted to the NCB.
- A Level 2 candidate, after transitioning to the ICN certification scheme, may be permitted a 25% reduction in the required experience for any additional method beyond the first.
- A Level 2 candidate adding another sector for the same method shall be required to gain additional experience of 25% as required in Table 1.

Table-1	
Method	**Industrial Experience in days**
RT, UT	180
PT, MT, VT	60

3. Vision Requirements:

The candidate must produce a valid vision certificate, a near vision acuity test, and a colour vision test certificate from a licensed physician, nurse, ophthalmologist, or optometrist as per the format of NCB before certification and annually thereafter.

Near vision acuity: shall permit reading a minimum of Jaeger number 1 or Times Roman N4.5 or equivalent letters at not less than 30 cm with one or both eyes, either corrected or uncorrected.

Colour vision: The Ishihara 24 plate test. The colour vision test shall either confirm that the individual has acceptable colour vision without restriction or shall state any limitation(s) on colour perception.

4. Training Requirements:

Candidates must submit a **valid ISNT Level II or BARC RT Level II certificate** as proof of eligibility to enroll in this training program. In addition, each candidate shall complete the **minimum additional Level II training requirements** for the applicable NDT method **as specified in Table 2**

Table-2	
Method	Training requirement in days
RT, UT	3
PT MT VT	1

5. Examination requirements

The candidate shall meet the examination requirements as given in Table 3.

Table-3

Scheme & Method	**General**	**Specific**	**Practical**	**Instruction writing**
IS 13805				
RT, UT, PT, MT, VT	Exempted	To appear for the examination. **(90 minutes)**	Exempted for weld sector. To appear for the examination for other sectors **(2 to 4 hours)**	Exempted for weld sector. To appear for the examination for other sectors **(60 minutes)**
BARC: RT L2 certification				
RT	Exempted	To appear for the examination **(90 minutes)**	Exempted for weld sector. To appear for the examination for other sectors **(4 hours)**	Exempted for weld sector. To appear for the examination for other sectors **(60 minutes)**

6. Certificate

Certification is issued by NCB-ISNT and is valid for a maximum of five (5) years, provided the holder continues to meet all certification requirements. The validity period begins on the date of the certification decision issued by NCB-ISNT.