**ANNEX I-B**

**(ITEM 2.3)**

**TERMS OF REFERENCE OF CHD 30: SC 1**

* To look after the work of ISO TC/ 85 WG 1 Terminology, WG 3 Dosimetry for radiation processing and WG 4 Management Systems and conformity assessment.
* Evaluate the feasibility of adopting ISO standards developed within these subject areas as Indian Standards.
* Identify any areas within these subjects where gaps or deficiencies exist, necessitating the creation of Indigenous Indian Standards. For example, standards for personal TLD/OSL manufactures and deployment in fields, etc.

**CHD-30:SC-1 will also look into the following list of WGs under ISO/TC 85/SC 2:**

1. ISO/TC 85/SC 2/WG 18 Biological and Physical retrospective dosimetry
2. ISO/TC 85/SC 2/WG 19 Individual monitoring and external radiation
3. ISO/TC 85/SC 2/WG 20 Illicit trafficking in radioactive material
4. ISO/TC 85/SC 2/WG 21 Dosimetry for exposures to cosmic radiation in civilian aircraft
5. ISO/TC 85/SC 2/WG 22 Dosimetry and related protocols in medical applications of ionizing radiation
6. ISO/TC 85/SC 2/WG 25 Radiation monitoring or the population and responders in nuclear/radiological emergencies

* To study in-depth the documents emanating from ISO/TC 85 and ISO/TC 85 / SC 2 working groups mentioned above. The members of the subcommittee would convey their concurrence on the contents even if there are no comments such that the balloting would be with a strong sense of commitment.
* To introduce new subjects, accept leadership for the projects and ensure that the projects taken up by India reach to the desired conclusion at the earliest possible.
* All the recommendations of the subcommittee would have to be got approved by the Sectional Committee/ Chairperson of CHD 30 before further actions, like balloting etc.

**Convenor:** Dr. B K Sapra, RPAD, BARC, Mumbai

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| **Sl.**  **No.** | **Organization Represented** | **Principal/(Alternate)**  **Member** | **Meetings** | | | |
| **14th** | **15th** | **16th** | **17th** |
|  | Atomic Energy Regulatory Board, Mumbai | Shri. Jaydeb Mandal | √ | C | √ | √ |
| 1. 1 | Bhabha Atomic Research Centre, Mumbai | Dr. Rosaline /Dr. Parimal Kulkarni | - | C | √ | √ |
| 1. 4 | Board of Radiation and Isotope Technology (BRIT), New Delhi | Shri Pravin Kumar | √ | C | - | - |
| 1. 5 | Nuclear Fuel Complex, Hyderabad | Shri V. V. Mahesh Kuma | - | C | - | - |
| 1. 6 | Nuclear Power Corporation of India Ltd., Mumbai, | Sh. Rakesh Tiwary/ Shri J. Bahuguna | √ | C | √ | - |
| 1. 9 | Indira Gandhi Centre for Atomic Research, Kalpakkam | Dr. C. V. Srinivas | - | C | √ | - |
| 1. 10 | Indian Rare Earths Ltd., Mumbai | Sh. Chandrashekhar Venkataraman | - | C | √ | - |

**Panel CHD 30 : SC 01 : WG 1**

**Scope**: To Liaison with ISO/TC 85/WG 1 Terminology

**Composition:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl.**  **No.** | **Organization Represented** | **Principal/(Alternate)**  **Member** | **Contact Details** |
|  | RPAD, BARC, Mumbai | Dr. B K Sapra | [bsapra@barc.gov.in](mailto:bsapra@barc.gov.in)  9969085628 |
| Dr. T. P. Selvam | pselvam@barc.gov.in |
|  | NPCIL, Mumbai | Sh. Nrependra Kumar | nkumar@npcil.co.in |
|  | RSSD, BARC, Mumbai | Sh. Sunil K. Singh | bhusunil@barc.gov.in |

**Panel CHD 30 : SC 01 : WG 3**

**Scope**: To Liaison with ISO/TC 85/WG 3 Dosimetry for radiation processing

**Composition:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl.**  **No.** | **Organization Represented** | **Principal/(Alternate)**  **Member** | **Contact Details** |
|  | RPAD, BARC, Mumbai | Dr. B K Sapra | [bsapra@barc.gov.in](mailto:bsapra@barc.gov.in)  9969085628 |
|  | Shri Rajesh Kumar | rajeshr@barc.gov.in |
|  | BRIT, Mumbai | Dr. Amit Srivastava | amits@britatom.gov.in |
|  | FTD, BARC | Dr. Bhaskar Sanyal | sanyal@barc.gov.in |

**Panel CHD 30: SC 01: WG 4**

**Scope**: To Liaison with ISO/TC 85/WG 4 Management systems and conformity assessment

**Composition:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl.**  **No.** | **Organization Represented** | **Principal/(Alternate)**  **Member** | **Contact Details** |
| 1 | RPAD, Mumbai | Ms. Kshama Shrivastava | kshamas@barc.gov.in |
| 2 | Indian Institute of Management, Ahmedabad | Prof. M P Ram Mohan | [mprmohan@iima.ac.in](mailto:mprmohan@iima.ac.in) |
| 3 | NPCIL | Sh. Rakesh Tiwary | rakesht@npcil.co.in  rktgkp@gmail.com  022-25991848  9969276691 |

**Panel CHD 30: SC 01: WG 05 (ISO/TC 85/SC 02/WG18)**

**Scope**: To Liaison with ISO/TC 85/SC 2/WG 18 Biological and Physical retrospective dosimetry

**Composition:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl.**  **No.** | **Organization Represented** | **Principal/(Alternate)**  **Member** | **Contact Details** |
| 1 | BARC, Mumbai | Dr. B.K. Sapra**- Convener** | bsapra@barc.gov.in |
| 2 | BARC, Mumbai | Dr. Nagesh Bhatt- **Co-Convenor** | nageshnb@barc.gov.in  022-25593968 |
| 3 | RP&AD, BARC | Dr. R.K.Chauasia | rajeshc@barc.gov.in |
| 4 | RP&AD, BARC | Dr. Usha Yadav |  |
| 5 | RP&AD, BARC | Shri S. N. Menon | sreeja@barc.gov.in |

**Panel CHD 30: SC 01: WG 06 (ISO/TC 85/SC 02/WG19)**

**Scope**: To Liaison with ISO/TC 85/SC 2/WG 19 Individual monitoring and external radiation

**Composition:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl.**  **No.** | **Organization Represented** | **Principal/(Alternate)**  **Member** | **Contact Details** |
| 1 | BARC, Mumbai | Dr. T.P.Selvam- **Convenor** | pselvam@barc.gov.in |
| 2 | BARC, Mumbai | Dr. A.K.Bakshi- **Co-Convenor** | akbakshi@barc.gov.in |
| 3 | RP&AD, BARC | Dr. S.M.Pradhan |  |
| 4 | RSSD, BARC | Dr. Sunil K.Singh | bhusunil@barc.gov.in |

**Panel CHD 30: SC 01: WG 07 (ISO/TC 85/SC 02/WG 20)**

**Scope**: To Liaison with ISO/TC 85/SC 2/WG 20 Illicit trafficking in radioactive material

**Composition:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl.**  **No.** | **Organization Represented** | **Principal/(Alternate)**  **Member** | **Contact Details** |
| 1 | BARC, Mumbai | Dr. Anil Kumar **-Convenor** |  |
| 2 | BARC, Mumbai | Dr. Suchismita Mishra- **Co-Convenor** |  |
| 3 | RSSD, BARC | Shri Anirudh Chandra |  |
| 4 | RSSD, BARC | Dr. R.K.B.Yadav | rkby@barc.gov.in |
| 5 | AERB | Dr. Rajoo Kumar | rajookr@aerb.gov.in |

**Panel CHD 30: SC 01: WG 08 (ISO/TC 85/SC 02/WG 21)**

**Scope**: To Liaison with ISO/TC 85/SC 2/WG 21 Dosimetry for exposures to cosmic radiation in civilian aircraft

**Composition:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl.**  **No.** | **Organization Represented** | **Principal/(Alternate)**  **Member** | **Contact Details** |
| 1 | BARC, Mumbai | Dr. T.P. Selvam **-Convenor** | pselvam@barc.gov.in |
| 2 | BARC, Mumbai | Dr. A.K.Bakshi - **Co-Convenor** | akbakshi@barc.gov.in |
| 3 | RP&AD, BARC | Dr. Rupali Pal | rupalir@barc.gov.in |
| 4 | RP&AD, BARC | Dr. Bhushan Dhabekar |  |

**Panel CHD 30: SC 01: WG 09 (ISO/TC 85/SC 02/WG 22)**

**Scope**: To Liaison with ISO/TC 85/SC 2/WG 22 Dosimetry and related protocols in medical applications of ionizing radiation

**Composition:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl.**  **No.** | **Organization Represented** | **Principal/(Alternate)**  **Member** | **Contact Details** |
| 1 | BARC, Mumbai | Dr. S.D.Sharma **-Convenor** |  |
| 2 | BARC, Mumbai | Dr. Rajesh Kumar - **Co-Convenor** | rajeshr@barc.gov.in |
| 3 | AERB | Mahalakshmi Iyer | lakshmi@aerb.gov.in |
| 4 | ACTREC | Rituraj Upreti | upretir@tmc.gov.in |
| 5 | RP&AD, BARC | Philomena Akhilesh |  |

**Panel CHD 30: SC 01: WG 10 (ISO/TC 85/SC 02/WG 25)**

**Scope**: To Liaison with ISO/TC 85/SC 2/WG 25 Radiation monitoring or the population and responders in nuclear/radiological emergencies

**Composition:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl.**  **No.** | **Organization Represented** | **Principal/(Alternate)**  **Member** | **Contact Details** |
| 1 | BARC, Mumbai | Dr. Probal Chaudhury **-Convenor** |  |
| 2 | BARC, Mumbai | Dr. R.K.B.Yadav - **Co-Convenor** | rkby@barc.gov.in |
| 3 | HPD, BARC | Dr. S.Anand | sanand@barc.gov.in |

**Panel CHD 30 : SC 01 : WG 11**

**Scope**: To formulate standard on Glove box handling for radioactive substances

**Composition:**

|  |  |  |
| --- | --- | --- |
| **Sl.**  **No.** | **Organization Represented** | **Principal/(Alternate)**  **Member** |
|
| 1 | Bhabha Atomic Research Centre , Mumbai | Dr. Tessy Vincent- **Convener** |
| 2 | Bhabha Atomic Research Centre , Mumbai | Dr. C Umashankar, BARC |
| 3 | Bhabha Atomic Research Centre , Mumbai | Shri S K Mishra |
| 4 | Bhabha Atomic Research Centre , Mumbai | Dr. D P Rath |
| 5 | Board of Radiation and Isotope Technology (BRIT), Mumbai | Dr. Vaishali C Yadav |

**CHD 30 : SC 01 : WG 12**

**Scope:** To formulate Indian Standard on Control of goods and materials after contamination

**Composition:**

|  |  |  |
| --- | --- | --- |
| **Sl.**  **No.** | **Organization Represented** | **Principal/(Alternate)**  **Member** |
| 1. | Bhabha Atomic Research Centre (Health Safety & Environment Group), Mumbai | Dr. S. Murali, Convenor |
| 2 | Crisis Management Group (CMG), DAE, Member Secretary | C. Saras Seth |
| 3. | Bhabha Atomic Research Centre (Health Safety & Environment Group), Mumbai | Dr. R K B Yadav |
| 4. | AERB, Mumbai | Shri Rajoo Kumar |