TERMS OF REFERENCE FOR THE R&D PROJECT

1. **Title of the Project**: Analysis of the standards ISO/IEC 15944-8:2012 Business Operational view – Part 8 Identification of privacy protection requirements as external constraints on business transactions, and their suitability for adoption as Indian Standards as per National Industrial Ecosystem.

2. **Background:**
   a. The project pertains to Data Management System Sectional Committee LITD 15 under Electronics & IT Division Council (LITDC).
   b. The project is associated with the ISO/IEC 15944 series related to the Business Operational view. Part 8 of the series of standards deals with Identification of privacy protection requirements as external constraints on business transactions
   c. It is published by ISO/IEC JTC 1/SC 32- Data management and interchange Sectional Committee of the Joint Technical Committee (JTC 1) of International Organization for Standardization (ISO) and the International Electro-technical Commission (IEC).
   d. A major revision of the said standard is under progress and a DIS stage document is expected to be circulated shortly.
   e. ISO/IEC 15944-8:2012 has been developed to support modelling generic international requirements for identifying and providing privacy protection of personal information throughout any kind of information and communications technology (ICT) based business transaction where the individual has the role of a buyer. It provides users and designers with a methodology and tools addressing requirements imposed by jurisdictional domains.
   f. It provides principles and rules governing the establishment, management and use of identifiers of that individual, including the use of legally recognized names (LRNs), recognized individual identity (RII), and methods of non-identification such as the use of anonymization and pseudonymization of personal information.
   g. ISO/IEC 15944-8:2012 also sets out principles governing information life-cycle management (ILCM) as well as the rules and associated coded domains for obtaining informed consent for collection, specifying state changes, records retention, record deletion and related matters in support of privacy protection requirements

3. **Scope**: The project would review the entire series of ISO/IEC 15944 standards along with the existing standards/regulations/laws in Privacy domains to draw up the deliverables.

4. **Objective:** Analysis of the standards ISO/IEC 15944-8:2012 Business Operational view – Part 8 Identification of privacy protection requirements as external constraints on business transactions, and their suitability for adoption as Indian Standards as per National Industrial Ecosystem

5. **Expected Deliverables**: The research activity during the project duration should result into compilation of the following documents:

a. A report regarding suitability for adoption as Indian Standards as per National Industrial Ecosystem. If not suitable for adoption, a report indicating the parameters for identification of privacy protection requirements as external constraints on business transactions, to be provided.

b. Detailed report on Research methodology adopted during the project and details of documents/reports reviewed, experts interviewed, industries reached out to, articles analysed etc.

c. A detailed review of report of the existing standard including but not limited to:

   i. Usability of this standard- whether the said standards is being used at large by the industry and businesses and if any problems faced while using these Standards.

   ii. If any standards, other than above mentioned are being used by the stakeholders related to the subject, both Indigenous and International.

   iii. Gap Analysis- A detailed report identifying the gaps in the already existing Standards and suggestions that could be made to address these gaps.

6. **Research Methodology**:

   a. Literature Review: A comprehensive literature review to be done to understand the existing standards and other relevant existing documents.

      i. ISO/IEC 15944-8:2012 takes the "business operational view" (BOV) aspects developed in ISO/IEC 14662, together with, in particular, ISO/IEC 15944-1 and ISO/IEC 15944-5 as well as many other international references. So these standards need to be reviewed in detail

      ii. ISO/IEC 15944 models the requirements of jurisdictional domains as external constraints upon the creation, use, interchange, and information life-cycle management of data. The entire series of standards may please be referred and reviewed.

      iii. ISO/IEC 15944-8:2012 addresses the wider context of the public policy requirements of jurisdictional domains controlling the use of personal information (PI). These include regulations for consumer protection, privacy protection, individual accessibility, etc. Hence, such Regulations and Acts referring to Privacy in Business operations, consumer protection etc. such as DPDP Act 2023, Indian Privacy Law, IT Act and others to be reviewed.

      iv. ISO/IEC 15944-8:2012 identifies and expands upon eleven generic, primitive, international principles that have been associated with privacy protection by international, regional, and UN member states' requirements. It models them with respect to the "collaboration space" of a business transaction and commitment exchange involving an individual acting in the role of a "buyer". Accordingly these international guidelines and laws may also be reviewed.

   b. Data Collection: Gathering data from stakeholders based on interactions and surveys with at least 10 participants.

   c. Interaction with Industry, Consumers and Regulators and other stakeholders with at least 5 visits to each category of stakeholders. Also in case of industry the distribution of visits should be uniform with respect to large scale industries, MSMEs and startups.

d. Feedback and Expert Consultation with experts and committee members.

e. Any other research methodology to address the expected deliverables for this project.

7. **Timeline and Method of Progress Review:**
   a. Identification of stakeholders for interaction in consultation with LITD in the first three weeks.
   b. Progress report of the ongoing project, use cases compiled, recommendations- By end of each month vide written reports and a mid-term review to assess progress and adjust methodologies as necessary in the 4th Month from the date of assignment.
   c. Final reports and deliverables by end of 6th month from the date of assignment received from BIS.
   d. In case of delay in submission of final draft report, the justification shall be given by the project proposer for consideration by the Sectional Committee.
   e. The proposer shall comply to the provisions given in the BIS guidelines for Research & Development Projects for Formulation and Review of Standards.
   f. The proposer taking up the project shall clear all doubts on provisions of research including ToR and BIS guidelines before acceptance of the project and signing agreement.

8. **Support BIS will provide:**

   BIS will provide access to latest available editions of Indian standards and/ or international standards relevant to the project, on request.

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