**Indicator 4.4.1**

**Indicator Name, Target and Goal**

**Indicator 4.4.1** Proportion of youth and adults with information and communications technology (ICT) skills, by type of skill  
**Target 4.4** By 2030, substantially increase the number of youth and adults who have relevant skills, including technical and vocational skills, for employment, decent jobs and entrepreneurship  
**Goal 4** Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all

**Definition and Rationale**

- **Definition**  
  Ratio according to the ICT skill among subjects of survey people 12 years or older

- **Concepts**  
  Computer-related activities to measure ICT skills include:  
  - Using copy and paste tools to duplicate or move information within a document (Including using copy and paste tools to duplicate or move information within a document)  
  - Sending e-mails with attached files (e.g. document, picture, video)  
  - Using basic arithmetic formulas in a spreadsheet  
  - Creating electronic presentations with presentation software (including images, sound, video or charts)  
  - Connecting and installing new devices (e.g. a modem, camera, printer)  
  - Finding, downloading, installing and configuring software  
  - Transferring files between a computer and other devices  
  - Writing a computer program using a specialized programming language

- **Rationale and Interpretation**  
  This indicator is selected by “Questionnaire on Information and Communication Technology (ICT) Access and Use by Households and Individuals” which is ITU survey as SDG indicator.

**Data Sources and Collection Method**

- The Communications Usage Trend Survey
Method of Computation and Other Methodological Considerations

○ Computation Method
  • Ration according to the ICT skill among estimation population of more than 12 years old in the Communications Usage Trend Survey.
  • Population of more than 12 years old is estimated from 2015 Population Census.
  • This data is provided to ITU.

○ Comments and limitations
  The survey is sample survey and the person who is targeted for an answer 12 years old or older for this indicator.

Data Disaggregation
  Type of skill

References
  https://www.e-stat.go.jp/stat-search/files?page=1&layout=datalist&toukei=00200356&tstat=0000001115796&cycle=0&tclass1=00001115799&second=1&second2=1

Custodian Ministries of Data
  The Ministry of International Affairs and Communications

Custodian Ministries of Related Policies
  Ministry of Education, Culture, Sports, Science and Technology

International Organizations
  UNESCO Institute for Statistics (UNESCO-UJS)
  International Telecommunication Union (ITU)