

Task Team on Competencies, Training and Capacity Development

UN Global Working Group on Big Data for Official Statistics

Updated Draft TERMS OF REFERENCE for 2021

The Task Team on Training, Competencies and Capacity Development (Task Team) works on understanding and proposing solutions to help build capacity for institutions that are embracing, or consider embracing, the use of big data in official statistics. The work includes projects to understand where national statistical offices currently are on their individual big data journeys, as well as projects that aim to understand all current and future development needs. The work aims to ensure NSOs around the world are increasingly equipped to work effectively with non-traditional data and to produce statistics that are authoritative, provide value and insight, and are trustworthy. The Task Team also works to support other task teams in their training programmes by providing guidance on common approaches to the development of training courses.

The Task Team was established in February 2019 and brings together 9 countries and 10 international institutions.

The work programme outlined in the previous version of the Terms of Reference has been largely completed and this updated version outlines work following the prior accomplishments, to start in 2021.

Activities and deliverables in 2021

The Task Team on Training, Competencies and Capacity Development will take on a central role in providing guidance and support for the consistency of e-learning courses developed by other task teams. The Task Team will include training focal points from all other task teams of the Global Working Group.

The Task Team will ensure harmonization through the formation of sub-working groups that will deliver on the following activities and outputs:

A. Development of an overarching Big Data Training Curriculum

The curriculum will map to the Big Data Competency Framework and establish global training requirements. It will be based on modern standard taxonomies for defining training levels, etc. Included here is the development of model curricula for Big Data-related training courses to support the work of other task teams in their training activities.

B. Development of a Big Data Training Catalogue

The catalogue will outline the training courses that already exist and provide links to the available courses. This will be developed in close cooperation with other task teams. The catalogue will be reviewed as it grows over time and will later include evaluation statements and classifications linking it to the maturity matrix criteria.

C. Completion of the online version of the *UN Big Data Maturity Matrix V.1.0* and planning for an extended version 2.0

The matrix will be made available to countries in a stand-alone format for self-assessments. In these self-assessments, NSOs can identify their stage of development along detailed components/dimensions of the use of big data, such as legal framework, IT infrastructure, human resources and big data applications in the production of statistics, generating an overall picture. The envisioned version 2.0 will provide a higher granularity of questions/evaluation criteria and improved linking to existing training courses in the catalogue.

D. Managing a Learning Management System (LMS)

The LMS will be made available to all task teams to host their online training programmes. The LMS will use the UN Global Platform to provide access to all countries. The role of the UN Global Platform will also be considered for the storage of training products, with links to NSO case studies and big data applications. Courses will produce UN/GWG certificates, if needed.

E. Guidance for developing online training courses

The Task Team will develop a set of guidance materials (primarily for other task teams) for the development of training materials and training courses, addressing needs assessments based on existing tools, and requirements for course development at different levels (awareness, beginner, practitioner). This will provide guidance, support and training for other task teams (where required) on how to set learning objectives at the different curriculum levels and sharing good practice in course design.

The materials will also include guidance for developing courses on the common platform (LMS).

F. Evaluation of training materials' adherence to guidance

This will ensure that training materials developed in the GWG meet the appropriate level and learning objectives and follow recommended practices of course design.

G. Provision of course evaluation surveys and templates

The development of these materials is in support of tasks B and E, allowing the categorization of existing training courses in a consistent way, as well as providing tools for feedback on training courses to developers.

Associated deliverables:

- Overarching Big Data Training Curriculum
- Big Data Training Catalogue
- Online version UN Big Data Maturity Matrix V.1.0
- UN Big Data Maturity Matrix V.2.0
- Guidance for developing online training courses
- Course evaluation surveys and templates