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Grid square statistics and their applications —

Part 1: Fundamental principle of grid square statistics

Statistiques sur données carroyées et applications —

Partie 1: Principe fondamental des statistiques sur données carroyées

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Foreword

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Introduction

Grid statistics are geospatial statistics produced by grids often with fairly high spatial resolution, which enable the analysis of regional dependence on population and labour from economic and social activities. They can help us to analyse demand and supply imbalances and can provide valuable insights to optimize a strategic plan for commercializing new products and services that can expand worldwide.

However, currently, the grid definitions employed to grid statistics coexist in many countries and organizations in different forms, which lacks controllability in data quality, reliability, and interoperability. Therefore, it is highly appropriate to produce, exchange, and utilize them under a common understanding based on international standards.

In order to promote a common international understanding not only of the formal description of spatial information related to grid statistics, but also of its statistical utilization, this document takes the following two points as its aim:

— Communication and decision-making requiring common understanding of grid statistics across multiple sectors and organizations.

— Promoting to provide grid square statistics even for countries and areas not yet with grid statistics, covering new services of business sector.