

## **Sampling Coordination for Business Surveys at Statistics Netherlands**

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Since a couple of years a coordinated sampling system for business surveys has been in use at Statistics Netherlands. This system is based on the former 'EDS' system introduced by Van Huis et al. (1994). By coordination of the sampling it is possible to spread the survey burden among enterprises in a given group of surveys with a common sampling frame. The spread of survey burden is both over time and the surveys in the group, in which both stratified cross-sectional and rotating panel designs can be combined. The coordination of sampling is realized by keeping for each enterprise a survey burden value and the actual memberships of the panels in the group. In addition to this, every enterprise has a permanent random number in order to guarantee the randomness of the drawn samples.

We discuss the methodological aspects of the sampling system, such as the coordination over time and surveys, the combination of cross-sectional and rotating panel designs, the conditions on the stratification and taking into account population dynamics like births and stratum changes of the enterprises. Also some results are presented of a simulation study where the effects on the spread of survey burden are investigated and where it is shown that no selectivity is introduced in the drawn samples. Further, we discuss the organizational set-up and the current position of the sampling system at Statistics Netherlands. And finally some future challenges are discussed, such as the extension to Probability Proportional to Size (PPS) sampling and the possible relaxation of the conditions on the stratification of the rotating panel designs.

### **References**

Van Huis, L.T., C.A.J. Koeijers, S.J.M. de Ree (1994). *EDS, Sampling system for the Central Business Register at Statistics Netherlands*. Den Haag Internal report, Department of Statistical Methods, Statistics Netherlands.