

DS3077: Revised 3rd edition (2024)

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1. History of DS3077

Since the turn of the Millennium, the Theory of Sampling (TOS) has been developed into an axiomatic system comprised by six Governing Principles (GP); eight Sampling Errors (SE) and four Sampling Unit Operations (SUO) (Esbensen, 2020). This framework has served the sampling community well, allowing easy presentation of an introductory overview of TOS' concepts and principles, sampling unit operations, sampling errors, and derived equipment demands, serving as the basis for the world's first dedicated standard on the general principles of representative sampling, DS3077 "Representative Sampling – Horizontal Standard" (1st, 2nd ed.); has been chronicled in Danish Standard (2013, forthcoming 2024). The genesis of the first two editions of DS3077 has been chronicled in (Esbensen & Julius, 2013).

The present standard was published ten years ago; thus, it was time for a revision. The resulting 3rd ed. will be launched in the spring of 2024, just in time for presentation at WCSB11.

2. Going ISO

DS3077 3rd ed. will be submitted as a proposal for an ISO standard spring-summer 2024, from which time ISO will start its regular routines for processing a proposal for a new standard with an international call for interested parties.

This news flash constitutes a strong call for participation in this important work. The world sampling community should be able to populate the relevant ISO committee with the most competent members regarding initiating a completely new standard. This constitutes a unique opportunity for all members of IPGSA!

References

Danish Standard (2013). DS3077, Representative sampling–Horizontal sampling (*Represæntativ prøvtagning–Horisontal standard*) 2nd ed., 26 July 2013, Charlottenlund, DK.

Danish Standard (2024). DS3077, Representative sampling–Horizontal sampling (*Represæntativ prøvtagning–Horisontal standard*) 3rd ed., forthcoming, Charlottenlund, DK.

Esbensen, K.H., Ed. (2020). *Introduction to the Theory and Practice of Sampling*, IMPublications Open, Chichester, UK.

Esbensen, K.H. & Julius, L.P. (2013). DS3077 Horizontal– a new standard for representative sampling, Design, history, and acknowledgements, TOS forum, vol.1, pp 19–23. <https://doi.org/10.1255/tosf.7>

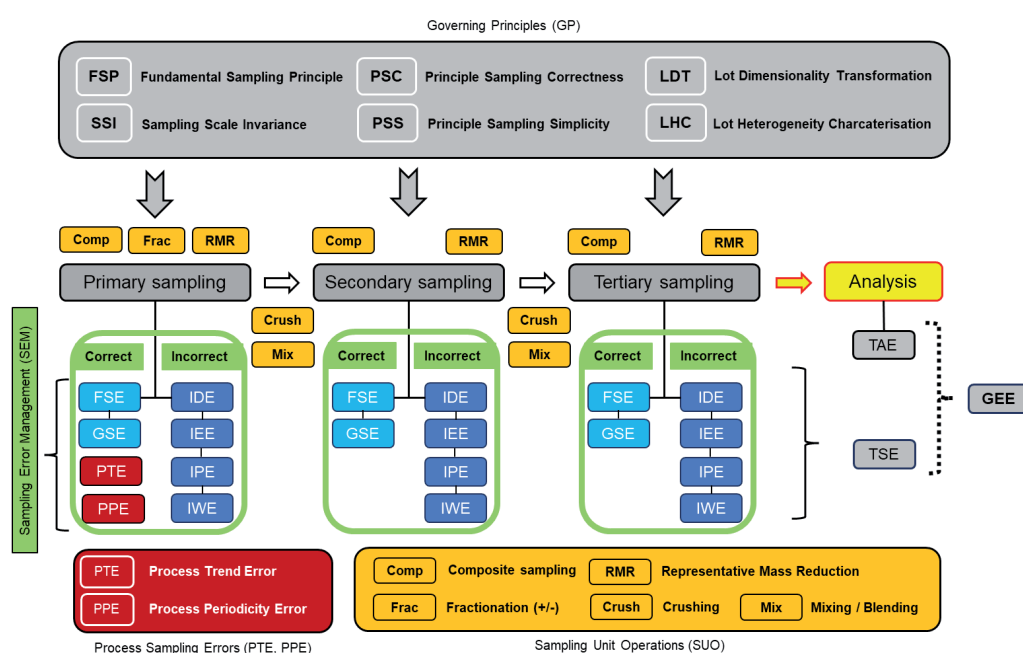


Fig. 1: Fully updated 3rd ed. framework, which, among other new features, includes a fifth SUO: Fractionation (+/-) and a new synoptic Sampling Error Management [SEM] element

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