

Source of the identified need (identification of TC, WG, etc, incl. title)	X CEN/TC 352/WG 3 X CEN/TC 137/WG 3 <input type="checkbox"/> CLC/TC 0/WG 0 <input type="checkbox"/> ISO/TC 0/SC 0 / WG 0 <input type="checkbox"/> IEC/TC 0/SC 0 / WG 0 <input type="checkbox"/> Other, namely <i>Identification, Title</i>
European entity responsible for submission of the need	<i>CEN/CLC TC #, or National Standardization Organization Title</i> <i>Polish Committee for Standardization (PKN)</i>
Person that can be contacted for more detail	<i>First name and family name Przemyslaw Oberbek</i> <i>E-mail ober@ciop.pl</i> <i>Telephone +48 790 029 206</i> <i>Country Poland</i>
Unaddressed need (short description)	<i>Title and short scope/description of the need as such</i> Evaluation of ultra-fine particles and accidentally generated nanoparticles in the work environment with regulations for the level of concentrations.
Further explanation of need (TC business plan, road map, formal decision, work item, etc.)	<i>Further explanation on the need, why it shall be filled and why specifically related to standard</i> <i>Estimated time frame that need shall be fulfilled</i> Manufactured and engineered nanoparticles are subject of many studies and methods for exposure assessment are constantly developed. The problem occurs when high concentration of ultra-fine and nano fraction are accidentally (randomly) generated nanoparticles. Own research has shown that many manufacturing plants in Poland that produce specially engineered nanomaterials use appropriate OHS measures, and are aware of the risks. However, concentration of background nanoparticles in work environment of e.g. he automotive industry, chemical industry, metallurgy can be significant (about 50-900k particles/cm ³ for 8h). If there is no bigger fraction, but only particles <500 nm, then gravimetric methods are insufficient
Enclosures	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No