

**Working Group - Nanotechnology**  
**US Lead – Margaret Malanoski (OMB)**  
**Canadian Lead – Karen Dodds (Environment Canada)**

<b>Deliverable Outcome</b>	Share information and develop common approaches, to the extent possible, on foundational regulatory elements, including criteria for determining characteristics of concern/no concern, information gathering, approaches to risk assessment and management, etc. Develop joint initiatives to align regulatory approaches in specific areas such that consistency exists for consumers and industry in Canada and the US.				
<b>Overarching Action Items</b>	<p><u>Principles</u></p> <p>Identification of common principles for the regulation of nanomaterials to ensure consistency for industry and consumers in both countries</p>	<p>Workplan for Industrial Nanomaterials</p>		<p><u>Regulatory Cooperation in Areas of Emerging Technologies</u></p> <p>Develop a model framework providing key elements and approaches to regulating products and applications of emerging technologies with respect to potential impacts on the environment, human health, food or agriculture</p>	
		<p><u>Priority-Setting</u></p> <p>Identify common criteria for determining characteristics of</p>	<p><u>Risk Assessment/Management</u></p> <p>Share best practices for assessing and managing the risks of industrial</p>	<p><u>Commercial Information</u></p> <p>Characterize existing commercial activities and identify gaps and</p>	

		<b>industrial nanomaterials of concern/no-concern</b>	<b>nanomaterials</b>	<b>priorities for future knowledge gathering for industrial nanomaterials</b>	
<b>3-6 months</b>	Canada provides initial feedback on US "Policy Principles for the US Decision-Making Concerning Regulation and Oversight of Applications of Nanotechnology and Nanomaterials".	Share available scientific evidence regarding characteristics of industrial nanomaterials.	Share current experiences and approaches associated with RA & RM of industrial nanomaterials in Canada and the US (i.e. those under CEPA and TSCA).	Share lessons learned from previous commercial data gathering activities.	Initial scoping of study; examination of current or theoretical models, frameworks and approaches that support international regulatory cooperation related to emerging areas (e.g. defining the issue or concern, identifying relevant regulatory authorities, considering approaches for RA).
<b>6-12 months</b>	Countries complete an initial draft of shared principles for the regulation of nanomaterials.	Initiate an analysis of characteristics of select nanomaterials: similarities, differences, reasons for them.	Draft data gaps to reduce uncertainties for conducting RA and RM on industrial nanomaterials.	Countries share non-CBI information concerning industrial nanomaterials in the marketplace.  Identify knowledge gaps for commercial use.	
<b>12-18 months</b>	Stakeholder consultation on shared principles.	Develop draft criteria for determining characteristics of industrial nanomaterials of concern/no-concern.	Initiate an assessment of current RA and RM approaches, for industrial nanomaterials in Canada and the United States, identifying, where possible, best practices.	Initiate an assessment of industrial nanomaterial uses in Canada and the United States.	Complete initial draft report for review / validation. Apply lessons learned on regulatory cooperation based on results to date from nanotechnology

					working group.
<b>12-18 months</b>	Stakeholder consultation / workshop on results to date.				
<b>Beyond 18 months</b>	Countries complete final draft of shared principles for the regulation of nanomaterials.	Draft technical language providing common descriptions and criteria of classes of industrial nanomaterials, and incorporate into summary report (see column at right).	Complete assessment of current RA and RM approaches and best practices for risk assessment and risk management of industrial nanomaterials, and incorporate into summary report (see column at right).	Complete assessment of industrial nanomaterial uses in Canada and the United States, and incorporate into summary report (see column at right).	Complete final summary report on approaches and points to consider for regulatory alignment in emerging technologies, including nanotechnology, incorporating information gathered on criteria for determining characteristics, RA and RM approaches, and industrial nanomaterial uses.

**Canadian and U.S. Working Group contacts**

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