



## Chemicals Management Working Group



**The HiGG Index**

# Chemicals Management Framework

**Green Chemistry and Commerce Council (GC3)  
Innovator's Workshop**

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New Brunswick, NJ

# Chemicals Management Framework Goal

The goal of the Chemicals Management Framework is to help you identify and drive improvements within your organization and supply chain toward sustainable chemistry.

# How it was created



**Mark Rossi, Clean Production Action**



**Bob Buck, DuPont**



**Libby Sommer, U.S. Environmental Protection Agency**



**James Ewell, GreenBlue**



**Tommy Thompson, Hanes Brands Inc.**



**Greg Scott, Mountain Equipment Co-op**



**Scott Echols, Nike**

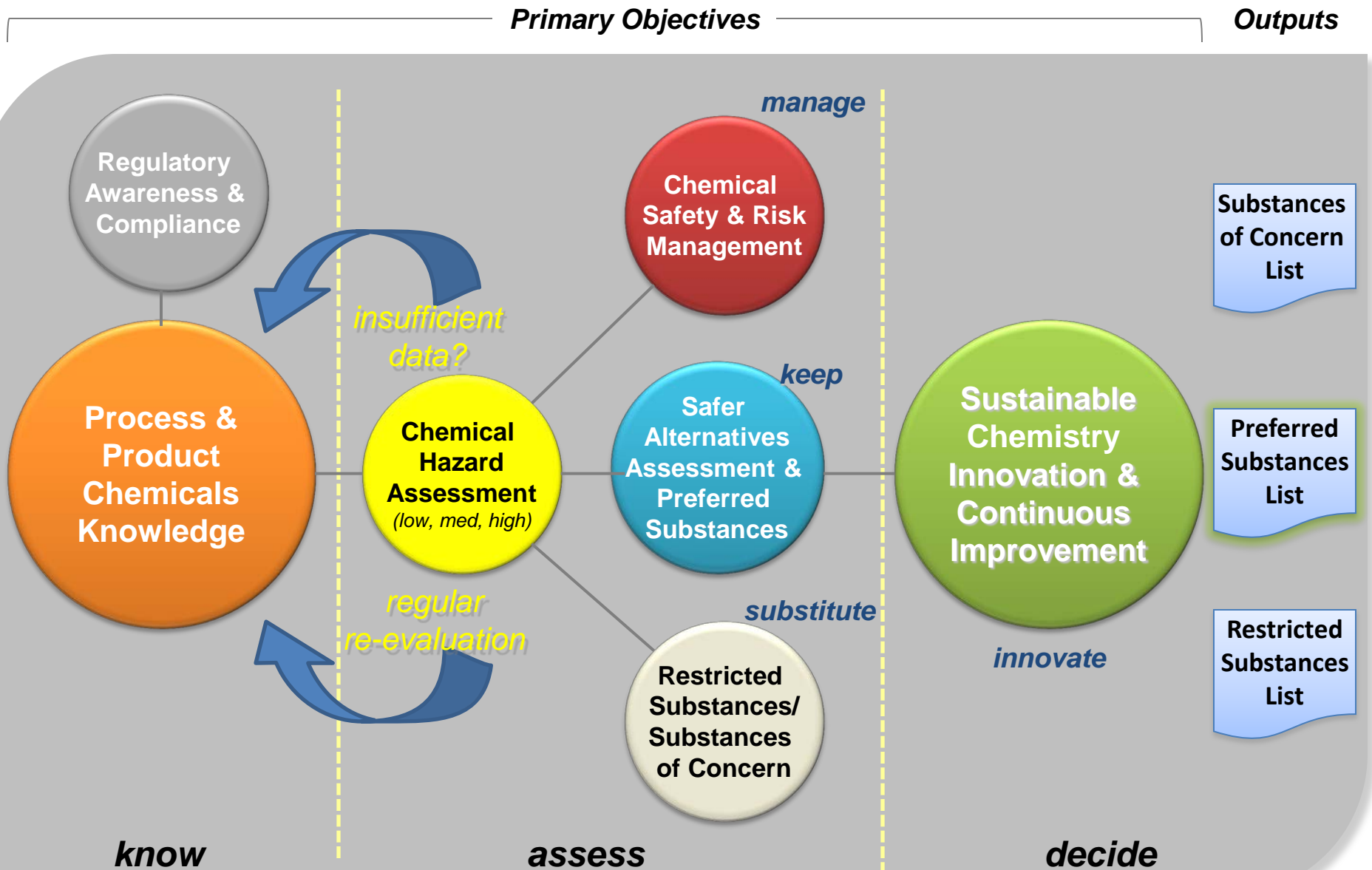
# What the Chemicals Management Framework *is* ...

- Comprehensive, tiered **strategy**
- Roadmap for integrating a **chemicals management system** into your business
- **Assessment** of your company and supply chain to identify opportunities (e.g., HiGG Index indicators)
- **Shared path** toward sustainable chemistry
- **Harmonized communication** language for industry
- **Guide** to external resources, tools, and services

## ... and what it *is not*

- Replacement for legal compliance
- Audit tool
- Certification
- Software
- Magic

# What is the Framework trying to achieve?



# How Performance is Measured

## Continuum of Performance

### Foundational

- Entry-level
- Begins w/ Regulatory Compliance & RSL (Restricted Substances List)

### Progressive

- Beyond compliance and RSL
- Implement processes to identify, assess, prioritize chemicals
- Identify preferred substances

### Aspirational

- Comprehensive knowledge of chemicals and full disclosure
- Implementation of Green Chemistry practices – driving innovation toward safer alternatives



# How will we get there?

## The ASK to you

- 1 LEARN:** *Orient yourself to the Framework*
- 2 ASSESS:** *Know where you are*
- 3 PLAN:** *Create an action plan*
- 4 SHARE:** *Submit results for benchmarking & provide your feedback*



# 1 LEARN

*Orient yourself to the Framework*

## **Key Framework documents:**

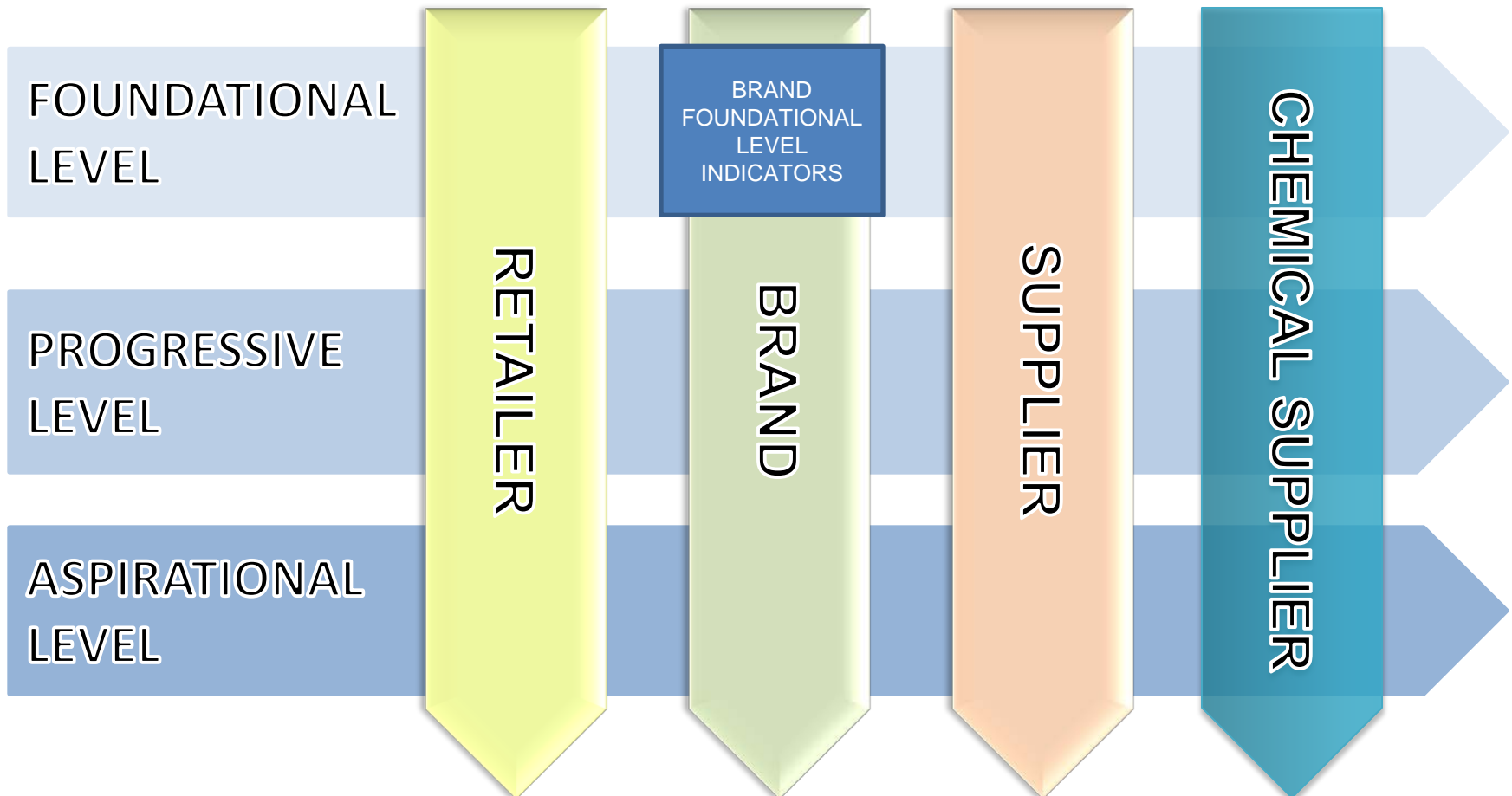
- Introduction
- Indicators (both PDF and xls)
- Glossary of Terms
- Chemicals Management “Know-How”

# 1 LEARN

*Orient yourself to the Framework*

## “STAKEHOLDER CATEGORIES”

### “ACTION LEVELS”



# FOUNDATIONAL LEVEL

BRAND FOUNDATIONAL LEVEL CM 2.0

## CM 2.0 - Restricted Substances / Substances of Concern:

Create, communicate, and ensure compliance with a Restricted Substances List (RSL) used in manufacturing processes and/or residing in Final Product.

### B2.F1

**RSL Point of Contact:** Brand has an internal named point of contact to manage its RSL and communicates their name to supply chain partners.

### B2.F2

**Make RSL Publicly Available:** Brand has an RSL that is publicly Available or references an existing, publicly available RSL.

### B2.F3

**Update RSL Regularly:** Brand has a business process to ensure the RSL is updated regularly (at least once annually).

### B2.F4

**Offer RSL Education & Training:** Brand offers education and training opportunities to its suppliers and internal personnel (e.g., designers, developers, sourcing teams, etc.) about its RSL requirements.

BRAND

# 1 LEARN

*Orient yourself to the Framework*

## Chemicals Management Framework

### “KNOW-HOW” (Guidance)

<u>Primary Objective</u>	<u>Guidance</u>	<u>Key Terms Defined</u>	<u>Examples and Templates</u>	<u>Information Resources, Tools &amp; Services</u>
<p><b>CM-2.0 Restricted Substances &amp; Substances of Concern</b></p>	<p>A business may create its own <b>restricted substances list (RSL)</b> or adopt one or several that already exist, which were developed by another company, a trade group, a government agency or non-governmental organization.</p> <p>A business may find that an RSL is adequate for their chemical management program. However there may be chemicals of concern for which more information is sought or that the business might want to phase out over time. In this</p>	<p><b>Restricted substances lists (RSLs)</b> are a list of chemicals -- compiled by businesses, trade groups or other organizations -- which are either completely prohibited in products, in packaging, from use in manufacturing processes, or are prohibited above certain threshold levels (often stated in % or parts per million (ppm).</p> <p><b>Substances of Concern List (SoCL)</b> is a</p>	<p><b>Examples</b></p> <p>Restricted substances list (RSL) examples</p> <ul style="list-style-type: none"> <li>• <a href="#">American Apparel and Footwear Association (AAFA)</a></li> <li>• <a href="#">Marks &amp; Spencer’s (retailer) publicly available RSL</a></li> </ul> <p><b>Templates</b></p>	<p><b>Information Resources</b></p> <p><a href="#">Case study describing Nike’s process for updating its RSL</a></p> <p><a href="#">Section 5 and Appendix C of the AFIRM Supplier Toolkit</a> provides best practice guidance on ensuring compliance with regulatory requirements to incorporate</p>

More on what this set of indicators mean

Definitions

Actionable templates, examples if you need a place to start

Other info resources & service providers

# 2 ASSESS

*Know where you are*

An Excel-based assessment tool

2.0: Restricted Substances / Substances of Concern	Your Assessment	Your Score
<p>B2.F1</p> <p>RSL Point of Contact: Brand has an internal named point of contact to manage its RSL and communicates their name to supply chain partners.</p>	<p>Choose one</p> <ul style="list-style-type: none"> <li><input checked="" type="radio"/> Yes</li> <li><input type="radio"/> No</li> <li><input type="radio"/> Unknown</li> <li><input type="radio"/> Partial</li> </ul> <div style="border: 1px solid black; width: 60px; height: 60px; margin: 10px auto;"></div> <p>If partial selected, estimate % complete in highlighted cell</p>	<p>1</p>
<p>B2.F2</p> <p>Make RSL Publicly Available: Brand has an RSL that is publicly available or references an existing, publicly available RSL.</p>	<p>Choose one</p> <ul style="list-style-type: none"> <li><input checked="" type="radio"/> Yes</li> <li><input type="radio"/> No</li> <li><input type="radio"/> Unknown</li> <li><input type="radio"/> Partial</li> </ul> <div style="border: 1px solid black; width: 60px; height: 60px; margin: 10px auto;"></div> <p>If partial selected, estimate % complete in highlighted cell</p>	<p>1</p>
<p>B2.F3</p> <p>Update RSL Regularly: Brand has a business process to ensure the RSL is updated regularly (at least once annually).</p>	<p>Choose one</p> <ul style="list-style-type: none"> <li><input checked="" type="radio"/> Yes</li> <li><input type="radio"/> No</li> <li><input type="radio"/> Unknown</li> <li><input type="radio"/> Partial</li> </ul> <div style="border: 1px solid black; width: 60px; height: 60px; margin: 10px auto;"></div> <p>If partial selected, estimate % complete in highlighted cell</p>	<p>1</p>
<p>B2.F4</p> <p>Offer RSL Education &amp; Training: Brand offers education and training opportunities to its suppliers and internal personnel (e.g., designers, developers, sourcing teams, etc.) about its RSL requirements.</p>	<p>Choose one</p> <ul style="list-style-type: none"> <li><input type="radio"/> Yes</li> <li><input type="radio"/> No</li> <li><input type="radio"/> Unknown</li> <li><input checked="" type="radio"/> Partial</li> </ul> <div style="border: 2px solid yellow; background-color: yellow; width: 60px; height: 60px; margin: 10px auto; display: flex; align-items: center; justify-content: center;"> <p>50%</p> </div> <p>If partial selected, estimate % complete in highlighted cell</p>	<p>0.5</p>

# 3 PLAN

## Create an action plan

### ACME Apparel’s Chemicals Management Action Plan (Updated April 25, 2013)

Framework Objective	Score	Indicators to Improve	Score Goal by Jan. 2014	Immediate Next Step(s)	Resources Needed
CM 1.0 – Regulatory Awareness & Compliance	2.75	B1.P1; B1.P2	4.25	Determine what “most stringent” global regulations are. Establish what current language exists in supplier contracts.	Legal, Sourcing, Production; “Know How” document
<b>CM 2.0 – Restricted Substances/Substances of Concern</b>	<b>4.5</b>	<b>B2.P2</b>	<b>5.25</b>	<b>Research RSL compliance business system approaches, incl. monitoring, verifying, and corrective action components.</b>	<b>Sourcing, Production, IT; “Know How” document</b>
CM 3.0 – Process & Product Chemicals Knowledge	4	B3.F2; B3.F5; B3.P2; B3.P3; B3.P4	7	Logical steps to start addressing indicators identified for improvement	Legal, Production, Sourcing, Third Party; Financial; “Know How” document
CM 4.0 – Chemicals Hazard Assessment	2.5	B4.A1	3.25	“	Production, Sourcing, Third Party; Financial; “Know How” document
CM 5.0 – Chemical Safety & Risk Management	4.5	B5.P1; B5.P2; B5.P3	6.75	“	Production, Sourcing, Third Party; Financial; “Know How” document
CM 6.0 - Safer Alternatives Assessment & Preferred Substances	3.5	B6.P1	3.5	“	Production, Sourcing, Third Party; Financial; “Know How” document
CM 7.0 – Sustainable Chemistry Innovation & Continuous Improvement	2.75	B7.F1; B7.F2; B7.F2; B7.F3	5.75	“	Production, Sourcing, Legal; “Know How” document

# 3 PLAN

Create an action plan

## Chemicals Management Framework

### “KNOW-HOW” (Guidance)

<u>Primary Objective</u>	<u>Guidance</u>	<u>Key Terms Defined</u>	<u>Examples and Templates</u>	<u>Information Resources, Tools &amp; Services</u>
	<p>manner, a <b>Substances of Concern List (SoCL)</b> can be developed wherein chemicals may be migrated to the RSL if and when appropriate.</p>	<p>documented list which identifies specific substances which, for reasons of increasing concern for suspected toxicity, incomplete and/or insufficient toxicity information pending regulation, etc.</p>	<p><a href="#">Pages 64 &amp; 65 of Nike’s RSL Guidance</a> contain a test request form and an RSL Failure Resolution Form, respectively.]</p>	<p>RSLs, including a <i>Model Brand Program Protocol for Testing Clothing</i>.</p>

FOR EXAMPLE:  
The Know-How document includes a sample test request form and RSL Failure Resolution Form

# Recap

- 1 **LEARN:** *Orient yourself to the CMF*
- 2 **ASSESS:** *Know where you are*
- 3 **PLAN:** *Create an action plan*
- 4 **SHARE:** *Submit results for benchmarking & provide your feedback*

**OUR GOAL: Benchmarking results by August 1**



# Now what? Immediate next steps

- ❑ Visit [www.outdoorindustry.org/cmpilot](http://www.outdoorindustry.org/cmpilot)
- ❑ Register and download key Framework documents
- ❑ Read the Introduction, and explore the Framework (see “Instructions” tab)
- ❑ Benchmarking & feedback: DUE June 1
  - Links and instructions to submit assessment results and feedback to follow

Questions? Email: [sustainability@outdoorindustry.org](mailto:sustainability@outdoorindustry.org)