NSF Standard 50 Joint Committee
Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities

September 9, 2014
Background/Current State

• NSF 50 addresses materials, chemicals, components, products, equipment and systems related to public and residential water facility operation.

• NSF 50 includes criteria for assessment of filters, skimmers, pumps, hose, and related equipment that is used to remove contaminants from the pool/spa water.

• NSF 50 doesn’t currently include a set of evaluation criteria for systems or devices that clean, brush, or remove contaminants from the floor/wall of the pool and spa structure.
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NSF Pool/spa maintenance includes not only cleaning the water, but also the structure holding the water (i.e., typically via brushing, vacuuming, or other means of cleaning includes bushing).
Idea

• The NSF/ANSI Standard 50 Joint Committee could create a task group to consider different technologies cleaning equipment and could develop methods of evaluation of manual and robotic pool/spa cleaners

• Appropriate issues to investigate may include:
  – Material safety, Durability, and Functionality
  – Ability to pick up/hold relevant pool/spa contaminants
  – Ability to pick up contaminants from different surfaces
  – Ability to brush floor/wall/water line
  – Capacity to hold contaminants
  – Cleanability of the filtration system (if applicable)
  – Ability to cover entire pool/spa floor/wall surface (for robotics)
  – Electrical safety (if applicable)
  – Efficiency of the product
  – Energy savings associated with product use
  – Labor savings associated with product use
Example assessment of robotic cleaner covering the pool
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Would NSF 50 JC or TG members you like to participate?

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