RIC, the Road to ANSI Standard Accreditation and Beyond

April 8, 2017

Remanufacturing Industry Council

The Remanufacturing Industries Council (RIC) is a strategic alliance of businesses and academic institutions that works across industry sectors to support the entire remanufacturing industry through a combination of advocacy, collaboration, education, and research.

Industry Sectors

- Aerospace
- Automotive
- Consumer products
- Electrical apparatus
- Furniture
- Heavy duty equipment
- Information Technology
- Locomotive systems
- Machinery
- Medical equipment
- Restaurant equipment
- Tires
Board of Directors & Member Companies

Why an ANSI Standard

- Myriad of definitions for “remanufacturing” across industry and among federal regulatory agencies.
- Lack of industry cohesion coupled with limited data about the role remanufacturing plays in the U.S. economy.
- Lack of understanding around the full life-cycle impact of remanufactured products.
- Remanufactured goods are frequently assumed to be lower quality.
- Misperception that remanufacturing threatens manufacturing jobs.

Timeline

- 4/21/14 Standards Developer Procedures accredited by ANSI
- 6/23/14 PINs Notification submitted to ANSI for publication announcing the intent to create the standard
- 3/23/15 Consensus Body Established
- 9/15/15 Consensus Body approves draft standard
- 12/1/15 Draft Standard Published in Standards Action for Public Comment
- 5/2/15 Consensus Body approved revised draft standard, 3 CB members vote negative with comments
- 8/23/16 Conference call with CB to discuss negative votes, no changes were made
Timeline

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>9/6/16</td>
<td>Notice of right to procedural appeal sent to negative voters</td>
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<tr>
<td>10/12/16</td>
<td>Proposed standard submitted to ANSI for approval</td>
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<tr>
<td>11/30/16</td>
<td>Revised proposed standard (based on ANSI requested changes) sent to CB for final approval, revised proposed standard published in Standards Action for public comment</td>
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<tr>
<td>1/19/17</td>
<td>Revised proposed standard submitted to ANSI for approval</td>
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<tr>
<td>2/3/17</td>
<td>Approval received from ANSI's BSR group</td>
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Overview

- Provides a benchmark for the process of remanufacturing
- Establishes specifications that characterize the remanufacturing process and differentiate remanufacturing from other practices
- Promotes continual improvement in the remanufacturing process
- Ensures product dependability and quality
- Serve as a baseline for additional standards for specific remanufactured products and product groups to be developed in the future

How to get it?

www.RemanCouncil.org
Next Steps

Reman Alliance

• Cross-sector collaboration
  • PEARL
  • APRA
  • ITC
  • ARSA
• Memorandum of Understanding

Benefits

• Links associations, businesses, and educational institutions
• Fosters collaboration
• Creates a framework to support strategic initiatives
• Enhances information sharing
Remanufacturing ACE Awards

- First of its kind involving all sectors
- Nominate yourself or an individual, company or organization associated with reman
- Categories
  - Advocate
  - Collaborate
  - Educate
- Three winners, each receiving a $1,000 College Scholarship
- Winners will be announced at the RIC-RIT World Remanufacturing Conference

RIC-RIT World Remanufacturing Conference

June 21 – 22, 2017
Rochester Institute of Technology
Rochester, New York

Creating Today’s Vision for Tomorrow’s Reality

- Prominent Speakers
  - Sam Allen, CEO, John Deere
  - Dr. Nabil Nasr, Director, Golisano Institute for Sustainability at RIT, CEO, REMADE Institute
  - Jack Stack, CEO, SRC Holdings Corporation
  - Mark Buckley, VP of Environmental Affairs, Staples
- Panel Discussions
- Technology Tracks
- Lab and Testbed Tours at RIT
- Tours of two reman facilities
- Two workshops at RIT on June 20
Registration Now Open
www.WorldRemanConference.com

Thank You