Risk Management

URI Advisory Board
February 17, 2016
Federal Regulations

- Determine what you need
- Budget accordingly

Listing, Testing and Standards Agencies
Bed Handles Inc. Reannounces Recall of Adult Portable Bed Handles Following Report of Fourth Entrapment Death; Less Than 1% Response Rate to Recall

Recall Summary
Name of product:
Portable bed handles

Hazard:
When attached to an adult's bed without the use of safety retention straps, the handle can shift out of place, creating a dangerous gap between the bed handle and the side of the mattress. This poses a serious risk of entrapment, strangulation and death.

Consumer Contact:
Bed Handles Inc. at 800-775-6903 from 8:30 a.m. to 4:30 p.m. CT Monday through Friday, or online at http://bedhandles.com/ and click on Recall Information at the bottom of the page for more information.
• Frequently asked questions regarding the Nest Protect safety notice
• The latest information and answers to common questions regarding Nest Protect's recent safety notice to customers.
• As of April 3rd, 2014, Nest Wave has been disabled on all Nest Protects.
• **During internal testing, we discovered that movements near Nest Protect that are not intended as a wave can be misinterpreted by the Nest Wave algorithm. If this occurs during a fire, this could delay the alarm going off. So, we have removed this feature.**
• Even with Nest Wave disabled, the Nest Protect alarm will continue to keep you safe at home, effectively monitoring for increased levels of smoke and CO. The updated version of Nest Protect remains listed by independent, third-party certification bodies, including Underwriters Laboratories and the California State Fire Marshal, according to their specifications. *

*SOURCE: NEST.com*
## Description of FMEA Worksheet

**Protection:** The spreadsheets are not protected or locked.

### Potential Failure Mode and Effects Analysis (Design FMEA)

<table>
<thead>
<tr>
<th>Item/Function</th>
<th>Potential Failure Mode(s)</th>
<th>Potential Effect(s) of Failure</th>
<th>Severity</th>
<th>P</th>
<th>Current Design Controls</th>
<th>D</th>
<th>Risk Priority Number</th>
<th>Recommendations in the Description of Failure</th>
<th>Responsibility &amp; Target Completion Date</th>
<th>Action Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coolant</td>
<td>Cracking, break, burst, side wall, flex, split, seal, poor hose rate</td>
<td>Leak</td>
<td>Over pressure</td>
<td>Burst, validation pressure cycle,</td>
<td>64</td>
<td>Test included in prototype and production validation testing</td>
<td>J.P. Aguirre, 11/11/95, E. Eglin, 9/29/95</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Write down each failure mode and potential consequence(s) of that failure.

**Severity** - On a scale of 1-10, rate the Severity of each failure (10 = most severe). See Severity sheet.

**Likelihood** - Write down the potential cause(s), and on a scale of 1-10, rate the Likelihood of each failure (10 = most likely). See Likelihood sheet.

**Detectability** - Examine the current design, then, on a scale of 1-10, rate the Detectability of each failure (1 = least detectable). See Detectability sheet.

**Risk Priority Number** - The combined weighting of Severity, Likelihood, and Detectability. RPN = Sev X Occ X Det
• There is no RIGHT or WRONG answer. There is mitigation of risk by taking corrective measures.
• Team cooperation and coordination

**Just because your products works does not make it ready**
Good News – You’re on the cover of USA Today

Bad News – You’re on the cover of USA Today
Competitive Risk
COMPETITIVE RISK

YOU ARE NOT ALONE!
Intellectual Property Risk

MOBILE PATENT SUITS
Patent-related suits between mobile device/ component manufacturers

- Amazon
- Apple
- Barnes & Noble
- Ericsson
- Foxconn
- Qualcomm
- RIM
- Samsung
- Sony
- ZTE
- Google
- HTC
- Huawei
- Inventec
- Kodak
- LG
- Microsoft
- Motorola
- Nokia
- Oracle

Cases resolved:
- Qualcomm/Nokia (2005-08)
- Apple/Nokia (2009-11)
- Kodak/Samsung (2008-09)
- Apple/Kodak (2010-11)
- Kodak/LG (2008-09)

*Kodak's separate suit against Apple will be decided on Aug 30.

Source: Reuters, news reports