### 150 13485

A Higher Standard Matters in Medical Device Quality Management





# Dave Corbett Medical Battery Product Manager

### Why is Interstate ISO 13485 certified?



- Interstate Batteries is registered by the FDA, the only regulatory requirement for manufacturers with facilities in the United States
- ISO 13485 certification was essential to market batteries for Infusion Pumps, Patient Monitors and Hearing Aids in Canada
- Canada has a higher bar...

# The impact of ISO-driven Quality Management was immediate – and continues today.



### ISO VS FDA:

# Do you want assurance before there's a problem – or after?



The FDA does not test or inspect products prior to product release or monitor facilities or manufacturing processes.



The FDA can inspect facilities at any time. If records and procedures are not in compliance, they can cease production, seize product and levy fines.



ISO 13485 certified Quality Management Systems under MDSAP are given a "pass" on surveillance inspections.

Our ISO certificate shows compliance BEFORE a product problem is found.

Compliance to FDA regulations is more of an "Honor System" and reacts to problems.







### ISO 9001 vs. ISO 13485: the difference matters



One is to ensure customer satisfaction for all types of businesses,

# FROM CONSTRUCTION TO RETAILERS, FLORIST SHOPS AND CLEANERS



The other is an increasingly stringent set of standards for applying sound risk management processes

# SPECIFICALLY FOR MEDICAL DEVICES TO ENSURE PATIENT SAFETY

### ISO 13485 adds 5 critical areas to ISO 9001





**Regulatory requirements** 







**Documentation requirements** 



**Continual improvement** 



### **Product Specifics**

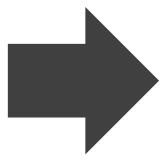
### **Every aspect of product development is** managed through a Risk Management process

#### OEM battery specifications are analyzed and reproduced

- Matching of cells and components
- Identifying opportunities for improvement

#### Manufacturing processes are validated and monitored

- Welding, soldering, gluing & assembly processes are analyzed
- Weld and solder processes are confirmed with pull testing
- Assembly personnel are trained under a mentorship



Any changes to these processes or equipment must be reviewed and new Risk Analysis must be performed.



New product must be validated in the field under actual use conditions.



### Documentation requirements

The FDA GMP regulations only mentions Risk Management once



"Design validation shall include software validation and risk analysis, where appropriate."



"The organization shall document one or more processes for risk management in product realization. Records of risk management activities shall be maintained."

### ISO 13485 MENTIONS RISK MANAGEMENT OVER 30 TIMES

WITH A SPECIFIC REQUIREMENT TO DOCUMENT ALL RISK MANAGEMENT ACTIVITIES



### Customer satisfaction

ISO 13485 requires analysis of customer needs beyond matching the specifications of an OEM battery.

## ISO MEANS YOU AND YOUR PEERS HAVE A SAY IN PRODUCT DESIGN AND PERFORMANCE

This can include design refinements, packaging or labeling improvements.





### Customer satisfaction

#### With ISO 13485, we must take ACTION when receiving complaints



Sec. 820.198 Complaint files

Manufacturers must maintain complaint files and establish and maintain procedures for receiving, reviewing, and evaluating complaints by a formally designated unit.



#### 8.2.2 Complaint handling

The organization shall document procedures for timely complaint handling and also determine the need to

initiate corrections or corrective actions



### Customer satisfaction: ISO 13485 gives you a voice in reducing risk

A level above FDA requirements

The ISO 13485 standard provides streamlined processes to collect, analyze and act upon this information and then check on the effectiveness of the response.

#### **CAPA – Corrective Action / Preventative Action**

- Corrective Actions are responses to nonconforming product identified by customers or production data.
- **Preventative Actions** are opportunities for improvements identified by customer feedback or by our staff.





### Continual improvement "Good today" is never enough

ISO 13485 helps provide structure for Interstate to continually improve our products.

The FDA has no such requirement.

Quality data from production and customer experience





### How does ISO certification benefit you?

### ISO 13485 = more accountability = reduced costs and risk

#### **Reduced risk**

Safeguard patients, hospital staff and equipment

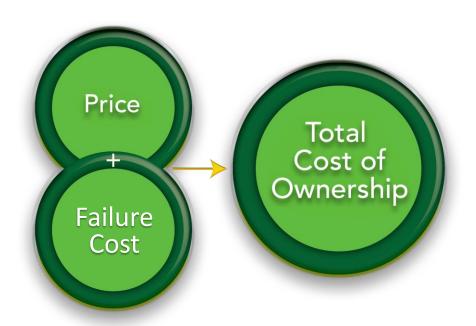
Increased Risk Management focus above FDA Reduced liability exposure

#### Reduced cost of ownership

- Less labor lost to re-installing failed batteries
- Less administrative \$\$ > fewer returns/warranty credits

#### **Greater supplier accountability**

- Immediate response to product quality concerns
- Reporting leads to product/process improvements





### Tested and Trusted like no other brand

Interstate's 7-Point Quality Assurance: the industry's most rigorous, ongoing testing process





# When lives are counting on it, ISO 13485 certification means quality you can count on

50% of hospital service calls are battery related\*.

Make sure your supplier's products have credentials you can count on.

