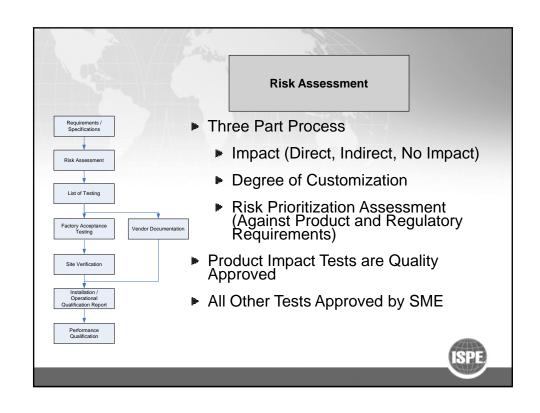
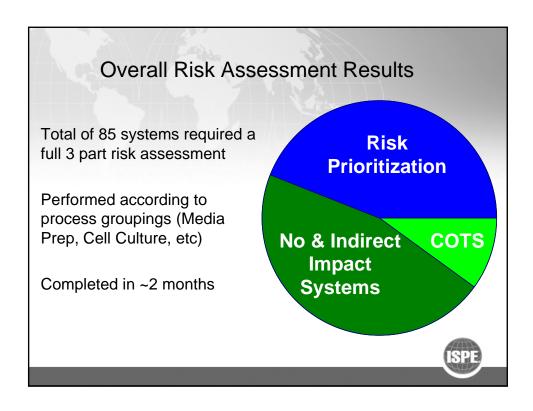


Bristol-Myers Squibb Devens Facility Verification / Qualification Approach

Michelle Whipple





Media Preparation Example

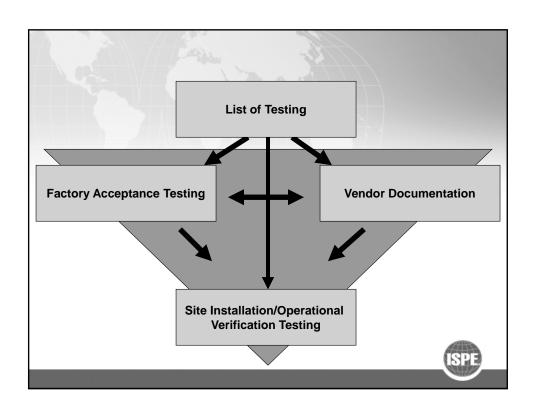
- ▶ Impact Direct
- Customization Some Customization
- Product Requirements
 - Agitation Control Agitator Motor
 - ► Temperature Control Vessel RTD
 - ▶ WFI Addition Control Flow Transmitter
 - ▶ pH Measurement Vessel pH Meter
 - ► Osmolality Measurement Offline Sample

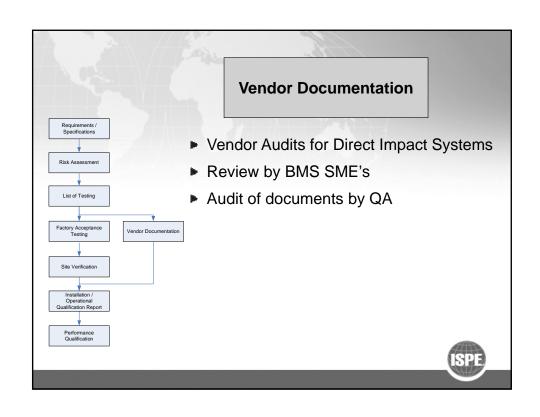


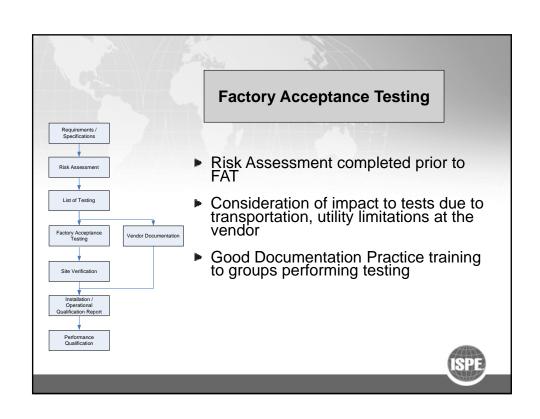
Media Preparation Example

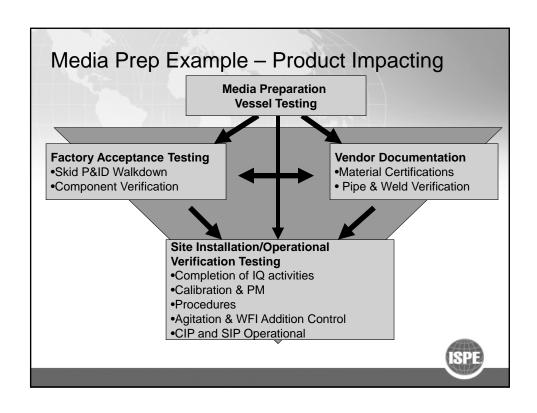
- ▶ Other Requirements
 - ▶ CIP of Tank and Transfer Line CIP Skid Controls
 - ▶ Only Transfer Line post filters is SIPd RTDs
 - ▶ Process / Hold Times Recipe Timers

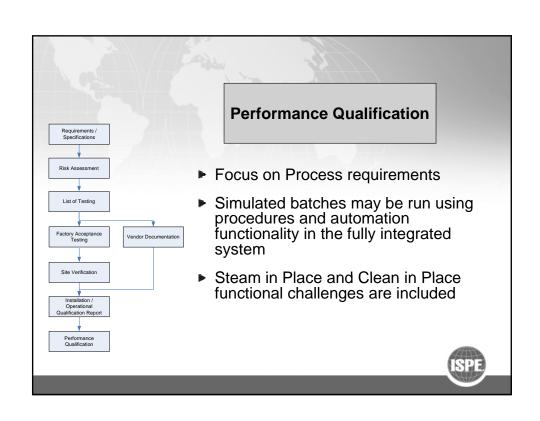












Media Preparation Example - PQ's

- Mixing Study
- Various Hold Time Studies
- ▶ SIP with BI's for transfer line only
- Cleaning Validation



Summary

Science and risk based approach to focus testing on impact to patient safety, product quality, and data integrity

Provides traceability between equipment testing and product requirements and identification of critical instruments

