

Document Name	Revision	Page
 TEST PROTOCOL: UsABILITY - SM 2014-D INSTALLATION	08/17/2015	1 OF 4

To Be Completed By Tester			
Session Date:		Session Time:	
Configuration tested:			
Webware version:	Server:	Browser:	Platform:
App version:		OS version:	Platform:
Sensor HW version:	Sensor FW version:		
User Guide version:			
Packaging version:			
Significant configuration deviations:			
Significant prompt deviations (summarise):			
Operational difficulties, use errors, and close calls (summarise and list JIRA ticket(s)):			
Time Required for Execution:			
Test Executed By – Print Name, Sign and Date:			
Print:	Signature:	Date:	
Results Reviewed and Approved By – Print Name, Sign and Date:			
Print:	Signature:	Date:	

Document Name	Revision	Page
 TEST PROTOCOL: UsABILITY - SM 2014-D INSTALLATION	08/17/2015	2 OF 4

1. Introduction and Purpose

- 1.1. The purpose of this usability test protocol is to evaluate ease of installation and removal of the SM2014-D sensor on the medication when aided by packaging and labeling.

2. Scope:

- 2.1. The scope of this test plan is to test installation and removal of the SM2014-D sensor on the medication. .
- 2.2. More than one usability test may be run in a single usability session; see TST_Usability_ParticipantInfoSheet for introcution, purpose, scope, definitions, materials, and procedure information applying to all usability tests.

3. Definitions

- 3.1. **SM 2014-D** - Sensor Model 2014-D (Propeller Sensor for Respimat)

4. Materials and Equipment:

- 4.1. The following materials and equipment are required for executing the test plan.
- 4.1.1. **Data Sets:** N/A
- 4.1.2. **Equipment:**
- 4.1.2.1. Hardware
- 4.1.2.1.1. © Sensor Model 2014-D (NOT in silent mode)
- 4.1.2.1.2. © Empty Diskus canister
- 4.1.2.2. Paperwork
- 4.1.2.2.1. © User guide
- 4.1.2.2.2. © Sensor packaging
- 4.1.3. **Machine Configuration:** As listed on Page 1.
- 4.1.4. **Automated Test Scripts:** N/A
- 4.1.5. **Standard Data Files:** N/A

5. Procedure:

5.1. Introduction to usability testing

- 5.1.1. See TST_Usability_ParticipantInfoSheet

5.2. Task

5.2.1. Introduction to Diskus

- 5.2.1.1. ☐ Many people are familiar with this style of inhaler <point to MDI>.
- 5.2.1.2. ☐ Pharma companies are trying to come up with better ways to deliver the medication inside the inhaler to your lungs.
- 5.2.1.2.1. One of the problems with this style of inhaler is that it releases medication very fast, and the medication ends up on the back of the person's throat instead of in their lungs.
- 5.2.1.2.2. This new style of inhaler helps that problem.
- 5.2.1.3. ☐ This is just a demo inhaler - there is no real medication in it, and you won't have to use it today.
- 5.2.1.4. ☐ It is used by
- 5.2.1.4.1. opening, <open the Diskus>
- 5.2.1.4.2. priming, <press the priming lever>
- 5.2.1.4.3. and breathing in through the mouthpiece. This pulls the medication into your lungs.
- 5.2.1.5. ☐ Take a moment to look at it and get a feel for how it works.

5.2.2. Stage Setting

Document Name	Revision	Page
 TEST PROTOCOL: UsABILITY - SM 2014-D INSTALLATION	08/17/2015	3 OF 4

5.2.2.1. Installation

5.2.2.1.1. ☐ *The tough thing about this new inhaler is that our product, our sensor, for the other style of inhalers doesn't fit on it.*

5.2.2.1.1.1. *We made a new one, and we're testing how easy it is to put on the medication.*

5.2.2.1.2. ☐ *The task is to attach the sensor to the medication.*

5.2.2.1.3. ☐ *When you are finished, open and prime the medication.*

5.2.2.1.3.1. ☐ *Let me know when you are done. I won't tell you when I think you are done, so be sure to let me know.*

5.2.2.2. Removal

5.2.2.2.1. ☐ *When people refill their prescription, they must transfer their inhaler to a new medication.*

5.2.2.2.2. ☐ *Remove the sensor from the medication.*

5.2.2.3. Reinstallation

5.2.2.3.1. ☐ *Pretend you have refilled your prescription.*

5.2.2.3.1.1. ☐ *Attach the sensor to the medication again.*

5.2.2.3.2. ☐ *When you are finished, open and prime the medication.*

5.2.2.3.2.1. ☐ *Let me know when you are done. I won't tell you when I think you are done, so be sure to let me know.*

5.2.3. Task records recording:

5.2.3.1. Record observations. Denote important points with key:

5.2.3.1.1. [UE] = Use Error

5.2.3.1.2. [OD] = Operational Difficulty

5.2.3.1.3. [CC] = Close Call

5.2.3.1.4. [B] = Product Bug

Document Name	Revision	Page
 PROPELLER HEALTH TEST PROTOCOL: UsABILITY - SM 2014-D INSTALLATION	08/17/2015	4 OF 4

5.3. **Follow up**

5.3.1. **Self-identified trouble areas**

5.3.1.1. Operational Difficulties: *Was there anything that was difficult or confusing?*

5.3.1.2. Use Errors: *Were there any points where you did something and later thought “oh, maybe that wasn’t right?”*

5.3.1.3. Close calls: *Did you have any “close calls” where you almost did something and caught yourself?*

5.3.2. **Participant mindset during trouble areas**

5.3.2.1. Can you walk us through your mindset when ...

5.3.2.1.1. (Individually discuss each use error, close call, and operational difficulty not already discussed. Record notes above.)

5.4. **Interview questions**

5.4.1. See TST_Usability_ParticipantInfoSheet