



***GE Medical Systems***

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# **Technical Publications**

**Direction 2267841  
Revision 1**

## **Signa® OpenSpeed Site Screening Survey**

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Operating Documentation

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## SECTION 1 – INTRODUCTION

### 1-1 Introduction

Due to the vertical field of the Signa OpenSpeed 0.7T Magnet, the site requirements are significantly different from other GE magnets. Therefore, accurate completion of this detailed site screening survey is critical to making sure the site qualifies for order processing.

Refer to the *Direction 2241391 Signa OpenSpeed Pre-Installation* for information and specifications.

### 1-2 Electronically Completing This Document

This document is formatted in Microsoft WORD with Text Form Fields for entry of information and Check Box Fields for selections.

#### Text Fields:

- The text fill-in fields are underlined blanks.
- The text field will expand if additional space is needed.

#### Check Box Fields:

- The checkbox fields appear as a box.
- Clicking on blank check box will change the box to checked (X), the check box can be toggled to no X by an additional click on check box.

### 1-3 Electronically Navigating Document Fields

You can move sequentially through the document text and check box fields by depressing the following keys.

Forward: Tab, Page Up, ↑ key.

Backward: Shift and Tab, Page Down, ↓ key.

Use the side scroll bar to move to other locations in the document (i.e. Table Of Contents (page 2)) or GoTo (under Edit) to select/move to a specific page number.

**SECTION 2 – SURVEY QUESTIONS**

**2-1 Introduction**

All questions must be answered. It is understood that remodeling may be required to meet requirements. Please add a note under each section when remodeling will be needed.

**2-2 Site Location & Survey Logistics**

Customer Name: \_\_\_\_\_  
 Proposed Location Identifier: \_\_\_\_\_  
 Survey Completion Date: \_\_\_\_\_  
 Individual completing Survey: \_\_\_\_\_  
 Individual's Title: \_\_\_\_\_

**2-3 Room Layouts**

QUESTION/PARAMETER	DIR. 2241391 SECTION REFERENCE	YES	NO
1. Can site design or remodeling meet all minimum room dimensions necessary for Signa OpenSpeed?	• 2-2 ROOM SIZES	<input type="checkbox"/>	<input type="checkbox"/>
2. Can site design or remodeling meet all requirements for Delivery of Magnet and System?	• 2-4 MINIMUM DOOR/HALLWAY SIZES	<input type="checkbox"/>	<input type="checkbox"/>
Notes/Comments:			

**2-3 Magnetic Field Considerations**

QUESTION/PARAMETER	DIR. 2241391 SECTION REFERENCE	YES	NO
1. Can site design or remodeling meet Magnetic Field Considerations?	• Section 3 MAGNETIC FIELD CONSIDERATIONS	<input type="checkbox"/>	<input type="checkbox"/>
Notes/Comments: (Review magnetic shielding issues with Installation Services for feasibility and preliminary designs.)			

**2-4 Site Environment**

**2-4-1 Cooling Requirements**

QUESTION/PARAMETER	DIR. 2241391 SECTION REFERENCE	YES	NO
1. Can site design or remodeling meet requirements for air flow exclusion zone in magnet room?	• 4-3 COOLING REQUIREMENTS	<input type="checkbox"/>	<input type="checkbox"/>
2. Can site design or remodeling meet minimum cooling requirements of system?	• 4-3 COOLING REQUIREMENTS	<input type="checkbox"/>	<input type="checkbox"/>
Notes/Comments:			

**2-4-2 Altitude**

QUESTION/PARAMETER	DIR. 2241391 SECTION REFERENCE	YES	NO
1. Does site meet the altitude requirement of Signa OpenSpeed?	• 4-4 ALTITUDE	<input type="checkbox"/>	<input type="checkbox"/>
Notes/Comments:			

**2-4-3 Acoustics**

QUESTION/PARAMETER	DIR. 2241391 SECTION REFERENCE	YES	NO
1. Can site design or remodeling meet local codes and site acoustic requirements?	• 4-6 ACOUSTICS	<input type="checkbox"/>	<input type="checkbox"/>
Notes/Comments:			

**2-4-4 Room Venting**

QUESTION/PARAMETER	DIR. 2241391 SECTION REFERENCE	YES	NO
1. Can site design or remodeling meet room ventilation requirements?	• 4-7 ROOM VENTILATION	<input type="checkbox"/>	<input type="checkbox"/>
Notes/Comments:			

**2-4-5 Cryogenic Venting**

QUESTION/PARAMETER	DIR. 2241391 SECTION REFERENCE	YES	NO
1. Can site design or remodeling meet cryogenic ventilation requirements?	• 4-8 CRYOGENIC VENTILATION	<input type="checkbox"/>	<input type="checkbox"/>
Notes/Comments:			

**2-4-6 Changing Magnetic Environment**

QUESTION/PARAMETER	DIR. 2241391 SECTION REFERENCE	YES	NO
1. Can site design or remodeling meet requirements for Changing Magnetic Environment?	<ul style="list-style-type: none"> <li>• 4-12 CHANGING MAGNETIC ENVIRONMENT</li> <li>• Include data from EMI SURVEY (Reference: EMI TESTING STANDARD OPERATING PORCEDURE, For MR Profile and Signa Magnets, John Kuenzle, Owner)</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
Notes/Comments:			

**2-4-7 Construction Materials**

QUESTION/PARAMETER	DIR. 2241391 SECTION REFERENCE	YES	NO
1. Can site design or remodeling meet considerations for construction materials?	<ul style="list-style-type: none"> <li>• 4-13 CONSTRUCTION MATERIALS</li> <li>• 4-13-1 Floors</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>
Notes/Comments:			

**2-4-8 Vibration**

QUESTION/PARAMETER	DIR. 2241391 SECTION REFERENCE	YES	NO
1. Section 4-14 (Dir. 2241391) has been reviewed with customer and the customer understands that vibration requirements <u>must</u> be met prior to magnet shipment?	• 4-14 VIBRATION	<input type="checkbox"/>	<input type="checkbox"/>
Notes/Comments: (Please Note any specific areas of concern and/or issues that have been discussed with the customer.)			

**2-5 POWER REQUIREMENTS**

QUESTION/PARAMETER	DIR. 2241391 SECTION REFERENCE	YES	NO
1. Can site design or remodeling meet power requirements?	• 5-2 CRITICAL POWER REQUIREMENTS	<input type="checkbox"/>	<input type="checkbox"/>
Notes/Comments:			

**2-5 GROUNDING**

QUESTION/PARAMETER	DIR. 2241391 SECTION REFERENCE	YES	NO
1. Can site design or remodeling meet grounding requirements?	• 5-4 GROUNDING	<input type="checkbox"/>	<input type="checkbox"/>
Notes/Comments:			

**SECTION 3 – ROUTING OF COMPLETED SURVEY**

Send the completed survey pages or entire document TO:

Process Leader  
 MR Siting & Shielding Team  
 Installation Services  
 GE Medical Systems  
 3114 N. Grandview Blvd. W-522  
 Waukesha, Wi. 53188  
 (262) 548-4545, FAX (262)548-4575  
 John.Kuenzle@med.ge.com

### REVISION HISTORY

REV	DATE	AUTHOR	PRIMARY REASONS FOR CHANGE
0	5/26/00	D. Balis	Initial draft
1	6/9/00	B. Feltner	Added Site Location Sub-section