

Device Interface Overview

EP – St. Jude WorkMate

Effective date	2021-09-27
Device interface version	8.0 SU1
Document version	2

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Introduction

This document describes how the configuration of the EP – WorkMate device interface and of the WorkMate device (if applicable). The device interface supports import from the WorkMate v4.3.2. It supports the electrophysiology knowledge base version 8.0.

Import scope

- Patient demographics
 - Study date (disabled by default)
 - Study time (disabled by default)
 - Gender (disabled by default)
 - Date of birth (disabled by default)
 - Height, weight
- Fluoroscopy time (disabled by default)
- Indications
- Historical medications
 - Medication name
 - Medication dose
- Administered medications
 - Medication name
 - Dose, units, rate, rate units
 - Summation of medications
- Allergies
- Inventory
 - Catheters*
 - Implanted hardware
- Complications
- EP Measurements
- Arrhythmia detail
- Cardioversion information
- Baseline ECG
- Conduction system information

* Catheters recorded during the procedure are imported to the “Access/catheter table” in the ASCEND report. Each catheter imports to its own row. The complete list of imported WorkMate access sites and catheter tip location sites is included in the ACEND configuration guide “Configuration - EP – WorkMate”. Implanted hardware recorded during the procedure import to the inventory table.

Configurable items

ASCEND uses global configuration states to include/exclude specific sections within the device interface.

Representative electrophysiology report

A representative electrophysiology report, after import into the knowledge base and assuming that nothing is disabled, is provided below.



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Electrophysiology Study

Patient: Barbara Allen	Study date: 11/09/2019	Height: 130 cm (51.2 in)
MRN: #1366354 (MRN)	Birth date: 12/19/1959	Weight: 55 kg (121.3 lb)
Accession: #1110287968abc	Age: 59 year(s)	BSA: 1.44 m ²
Patient location: 3E	Birth gender: Female	BMI: 32.5 kg/m ²
Study status: Same day	Patient status: Outpatient	HR: 52 bpm
Facility: West Campus		BP: 130/82

Responsible physician: Jerry L. Schmidt, MD
Referring physician: Martin F. de Kort III, MD
Ordering physician: Robert M. Kec II, MD

History and indications: Supraventricular tachycardia.
Prior history: Medications: Aspirin, 325 mg. Metformin (Glucophage), 10 mg. Allergies: No known allergies.
Labs, prior tests, procedures, and surgery:
Catheterization. EF was 75%.

Study data: Patient unit: 3E. Study status: Same day.

Vascular access and catheter properties:

Entry site	Sheath	Locations	Catheter
R femoral vein	7 Fr	High RA, coronary sinus	Boston Scientific, IBI duodecapolar, 7 Fr
L femoral vein	6 Fr	His-bundle (right side)	St. Jude Medical, His, 6 Fr
L femoral vein	5 Fr	RV apex	Biosense Webster, Josephson, 5 Fr
R femoral vein	8 Fr	--	Biosense Webster, Navistar Bidirectional D/F 4 mm, 8 Fr
--	12 Fr	LA (transeptal)	Medtronic, Arctic Front 28 mm, 12 Fr
--	--	--	Medtronic, Achieve Lasso, 4 Fr

Study completion: There were no complications. Administered medications: Midazolam, for a total dose of 1 mg. Fentanyl, 25 mg. Adenosine (Adenocard), 24 mg.

Radiation exposure:
 · Fluoroscopy time: 10 min.
 · Total time: 10 min.

Basic intervals:

V-V	841 ms
PR	142 ms
A-H	72 ms
H-V	55 ms
QRS width	78 ms
QT	377 ms

Sinus node function summary:

Phase name	Max CSNRT
Baseline	15 ms

ECG:
 Atrial flutter.

Vendor licenses

The WorkMate Claris and EP-WorkMate recording systems come with the ability to export or archive data to the hospital SAN/NAS. If the site would like to archive or send data to other systems, such as the PACS or CVIS/EMR, optional software modules are required.

- PACS storage – EP-WorkNet DICOM Module (EP-WorkMate) or WorkMate Unity DICOM Module (WorkMate Claris)
- EMR – EP-WorkNet HL7 Module (EP-WorkMate) or WorkMate Unity HL7 Module (WorkMate Claris)

These modules would have to be purchased individually and as appropriate by the customer. The HL7 module would need to be configured and installed per the site's specifications and needs.



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