

APPENDIX 3E

Systems Responsibility Matrix

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1 INTENT

1.1 Summary:

- 1.1.1 To provide an overview of systems roles and responsibilities between Project Co and the Owner and does not override specific requirements in Schedule 3 [Design and Construction Specifications];
- 1.1.2 For specifics, refer to the appropriate section reference numbers in Schedule 3 [Design and Construction Specifications], or the other noted Appendices.

2 DEFINITIONS

2.1 In this Appendix:

- 2.1.1 The attachment is the Systems Responsibility matrix.
- 2.1.2 The matrix is for the Facility.
- 2.1.3 “Division” refers to the construction Division that the system is part of.
- 2.1.4 “Specification Reference” refers to the specific section of Schedule 3 where the system requirements are detailed.
- 2.1.5 “System Selection” means who has responsibility for selection of the manufacturer and individual model numbers.
- 2.1.6 “Infrastructure” means all pathways, cabling, power, connectors, wall backing, equipment mounts/brackets, supports, pathway boxes and installation works needed to enable system connectivity in adherence to codes and standards.
- 2.1.7 “Equipment” means all manufacturer supported system hardware, electronic components and media adapters needed to enable system functionality in adherence to codes and standards.
- 2.1.8 “Software” means all software scripts, modules and manufacturer supported programming code needed to enable functionality in adherence to codes and standards.
- 2.1.9 “Design” means who has responsibility for the delivery of design specifications, drawings, and any other engineering services required for a complete and operational system.
- 2.1.10 “Supply” means who has responsibility for the management and completion of procurement processes, up to and including delivery including the payment to vendors.
- 2.1.11 “Install” means who has responsibility to install in the Facility, including making connections to necessary building services (including plumbing, heating, cooling, ventilation and electricity), connections to necessary communication or network interfaces or devices, and all necessary software programming to deliver a functional system.
- 2.1.12 “Commission” means who is responsible to test, commission and certify the equipment or system in accordance with any commissioning requirements set out in this Agreement, and applicable standards and good industry practices, including to ensure that the Equipment/System is operating in accordance with the manufacturer’s requirements and specification

- 2.1.13 "Integration" means who has responsibility for connecting disparate systems for the purposes of data and/or event exchange through a combination of infrastructure, hardware and/or software links that are defined and selected in consultation with the Owner to achieve stable operation and repeatable exchange between systems.
- 2.1.14 "IMIT" means the Owner's Information Management Information Technology representatives.
- 2.1.15 "PC" means the Project Co organization.
- 2.1.16 "PC (CA)" means the Project Co organization through a Cash Allowance scope to be defined by the Owner.
- 2.1.17 "N/A" means representative Not Applicable.
- 2.1.18 "Network" means which IP ethernet network will the system be primarily connected to for operation.
- 2.1.19 "Protocol" means industry accepted open-format data standards to enable data exchange in adherence to codes and standards.
- 2.1.20 "Owner" means the Providence Healthcare organization and its representatives.
- 2.1.21 "PC/Owner" means the Project Co and the Owner in their respective scopes.
- 2.1.22 "Training and Documentation" means who has responsibility for the training and documentation customized for the Owner's stakeholders.

3 ATTACHMENT SYSTEM RESPONSIBILITY MATRIX

Refer to the attached document with the filename Appendix 3E Systems Responsibility Matrix.

APPENDIX 3E - SYSTEMS RESPONSIBILITY MATRIX

System Name	Division	Specification Reference	System Deployment											System Integration					System Handover	
			System Selection	Infrastructure Design	Supply and Install Infrastructure	Equipment Design	Supply Equipment	Install Equipment	Software Design	Supply Software	Install & Configure Software	Commission	Integration	Project Co System Integrations	Network	Protocol	Semantic Tags for Building Data	Existing Authority Vendor Brand	Training and Documentation	
Division 25 - Integrated Automation		7.7																		
Integrated Building Management Platform (IBMP)	25	7.7.2	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	Refer to section 7.7.2.2.(26)	FMO	Multiple	ASHRAE-223P		PC
Building Management System	25	7.7.3	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	Refer to section 7.7.3	FMO	BacNet/IP	ASHRAE-223P		PC
Electrical Systems	26	7.7.4	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	Refer to section 7.7.4	FMO	BacNet/IP	ASHRAE-223P		PC
FMO Network and Infrastructure	25	7.7.5	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	IM/IT Data Network	FMO	IP	ASHRAE-223P		PC
Division 27 - Communications		7.9																		
IM/IT Common Works	27	7.9.2	Owner	PC	PC	NA	NA	NA	NA	NA	NA	NA	PC	NA		IMIT	N/A	ASHRAE-223P	PHSA Communication Infrastructure Standards	PC
IM/IT Structured Cabling	27	7.9.3	Owner	PC	PC	NA	NA	NA	NA	NA	NA	NA	PC	NA		IMIT	N/A		PHSA Communication Infrastructure Standards	PC
IM/IT Wireless Network	27	7.9.4	Owner	PC	PC	PC	PC (CA)	PC (CA)	PC (CA)	PC (CA)	PC (CA)	PC (CA)	PC (CA)	PC (CA)	TBD as part of Cash Allowance	IMIT	IP		PHSA Communication Infrastructure Standards	PC (CA)
IM/IT Data Network	27	7.9.5	Owner	PC	PC	Owner	Owner	PC	Owner	Owner	Owner	PC/Owner	Owner	Owner		IMIT	IP		PHSA Communication Infrastructure Standards	Owner
Audio-Visual Systems	27	7.9.6																		
Multimedia Rooms	27	7.9.6.2(2)	Owner	PC	PC	PC	PC (CA)	PC (CA)	PC (CA)	PC (CA)	PC (CA)	PC (CA)	PC (CA)	PC	BMS, Lighting Control, HVAC, Motorized Blinds, IM/IT Data Network, Fire Alarm	IMIT		ASHRAE-223P		PC (CA)
Clinical Operations Centre	27	7.9.6.2(3)(j), 3.20	Owner	PC	PC	PC	PC (CA)	PC (CA)	PC (CA)	PC (CA)	PC (CA)	PC (CA)	PC (CA)	PC	BMS, Lighting Control, HVAC, Motorized Blinds, IM/IT Data Network, Fire Alarm	IMIT		ASHRAE-223P		PC (CA)
Guest Infotainment	27	7.9.6.2(5)	Owner	PC	PC	PC	PC (CA)	PC (CA)	PC (CA)	PC (CA)	PC (CA)	PC (CA)	PC (CA)	PC	Nurse Call	Separate				Owner
Digital Signage	27	7.9.6.2(4)	Owner	PC	PC	PC	PC (CA)	PC (CA)	PC (CA)	PC (CA)	PC (CA)	PC (CA)	PC (CA)	PC	IM/IT Data Network	IMIT				PC/Owner
IM/IT VoIP System	27	7.9.7	Owner	PC	PC	Owner	Owner	Owner	Owner	Owner	Owner	Owner	PC/Owner	Owner	Intercommunications, Nurse Call, Integration Engine (includes connected Project Co systems), Public Address, Intrusion Detection, Fire Alarm,	IMIT	IP		PHSA Communication Infrastructure Standards	Owner
Integration Engine	27	7.9.8	PC	NA	NA	NA	NA	NA	PC	PC	PC	PC	PC	PC	Nurse Call, Access Control, Public Address, IM/IT VoIP System, Wireless Staff Communications, RTLS, Intrusion Detection, Intercommunications, Fixed Duress, Wireless Staff Duress, Patient Wandering, EHR Software, IBMP, IP Video Surveillance, AGV, other systems as required.	IMIT	Multiple	ASHRAE-223P		PC
Patient Physiological and Vital Signs Monitoring System	27	7.9.9	Owner	PC	PC	Owner	Owner	PC/Owner	Owner	Owner	Owner	PC/Owner	Owner	Owner		Separate	Proprietary			Owner
Public Address System	27	7.9.10	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	Fire Alarm, IM/IT VoIP System, Nurse Call, Fixed Duress, Wireless Staff Duress	FMO	IP	ASHRAE-223P		PC
Nurse Call Systems	27	7.9.11	Owner	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	IM/IT VoIP system, Fire Alarm, RTLS, wireless Staff communications, Fixed Duress, Wireless Staff Duress, Integration Engine, Public Address, Room lighting and blinds, EHR ADT.	Separate	Proprietary	ASHRAE-223P	Rauland 5	PC
Distributed Antenna System (DAS)	27	7.9.12	Owner	PC	PC	PC	PC (CA)	PC (CA)	PC (CA)	PC (CA)	PC (CA)	PC (CA)	PC (CA)	PC (CA)	TBD as part of Cash Allowance	TBD				PC (CA)
Location Services (RTLS)	27	7.9.13	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	Integration Engine, EHR, inventory management, FMO Network	IMIT	IP	ASHRAE-223P		PC
IM/IT End-Use Equipment	27	7.9.14	Owner	PC	PC	Owner	Owner	Owner	Owner	Owner	Owner	Owner	Owner	Owner		IMIT	IP			Owner
Division 28 - Electronic Safety and Security		7.10																		
Access Control System	28	7.10.4	Owner	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	Fire Alarm, IP Video Surveillance, Intercommunications, Patient Wandering, Integration Engine, AGV	IMIT	IP	ASHRAE-223P	Lenel OnGuard	PC
Wireless Staff Duress System	28	7.10.5	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	Access Control, IP Video Surveillance, Fixed Duress, Intrusion Detection, Integration Engine	IMIT		ASHRAE-223P		PC
Fixed Duress System	28	7.10.6	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	Access Control, IP Video Surveillance, Wireless Staff Duress, Intrusion Detection, Integration Engine	IMIT		ASHRAE-223P		PC
Intrusion Detection System	28	7.10.7	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	Access Control, IP Video Surveillance, Fixed and Wireless Staff Duress, Integration Engine	IMIT		ASHRAE-223P		PC
Intercommunications System	28	7.10.8	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	Access Control, IM/IT VoIP System, IP Video Surveillance, Integration Engine	IMIT	IP	ASHRAE-223P		PC
IP Video Surveillance System	28	7.10.9	Owner	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	Access Control, Fixed and Wireless Staff Duress, Intercommunications, Patient Wandering, Intrusion Detection, Integration Engine	IMIT	H.264/H.265	ASHRAE-223P	Avigilon	PC
Clinical Observation Camera System	28	7.10.9.2(2)	Owner	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	IP Video Surveillance DVMS	IMIT	H.264/H.265	ASHRAE-223P	Avigilon	PC
Patient Wandering System	28	7.10.10	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	IP Video Surveillance, Integration Engine, Access Control	IMIT		ASHRAE-223P		PC