***ANSI/AAMI 2700-1:2019 Medical Devices and Medical Systems—Essential safety and performance requirements for equipment comprising the patient-centric integrated clinical environment (ICE)—Part 1: General requirements and conceptual model***

3.2 **CEC CLINICAL ENVIRONMENT COORDINATOR**

equipment, remote from the INTEGRATED CLINICAL ENVIRONMENT, that can control one or more INTEGRATED CLINICAL ENVIRONMENTS

EXAMPLE 1 Remote OPERATOR-interface for an ICE SUPERVISOR.

EXAMPLE 2 A 'central station' reviewing the information from multiple PATIENTS.

3.6 \* **ICE INTEGRATED CLINICAL ENVIRONMENT**

environment that combines interoperable heterogeneous MEDICAL DEVICES and other equipment integrated to create a medical system for the care of a single high acuity PATIENT

NOTE 1 An ICE can provide data acquisition, safety interlocks, system integration and distributed closed loop control.

NOTE 2 When supporting ICE functionality, the components that comprise an ICE typically function interdependently; they do not function independently.

NOTE 3 An ICE typically consists of an ICE SUPERVISOR, an ICE NETWORK CONTROLLER and one or more pieces of ICECOMPATIBLE EQUIPMENT.

NOTE 4 Unlike a "Medical Electrical System" in IEC 60601-1:2005, ICE is presumed to comprise equipment from more than one MANUFACTURER. There is not necessarily a MANUFACTURER of the ICE, since combining equipment to form an ICE is the labeled intent of this equipment.

3.7 **ICE-COMPATIBLE EQUIPMENT**

MEDICAL DEVICE or other electrical equipment with an ICE EQUIPMENT INTERFACE

3.8 **ICE EQUIPMENT INTERFACE**

part of ICE-COMPATIBLE EQUIPMENT that provides the interface to the ICE NETWORK CONTROLLER

NOTE The ICE EQUIPMENT INTERFACE typically is an interface between software processes and is not an interface between the OPERATOR and ICE-COMPATIBLE EQUIPMENT.

3.9 **ICE** **NETWORK CONTROLLER**

part of an ICE that provides communication between ICE-COMPATIBLE EQUIPMENT and the rest of the ICE, using the DEVICE model

3.10 **ICE SUPERVISOR**

part of an ICE that provides a platform for functional integration between ICE-COMPATIBLE EQUIPMENT via the ICE NETWORK CONTROLLER and can provide application logic and an OPERATOR interface

NOTE 1 An ICE SUPERVISOR is equipment and software, not a person.

NOTE 2 Application logic can include clinical algorithms, distributed control integration and clinical decision support algorithms.