# NFPA 99 Risk Assessment

**Facility Name: \_ Address: Administrator: \_ Names/Titles of Risk Team:**

**Date Assessment Completed:**

This risk assessment has been developed to comply with NFPA 99 (2012 Edition) risk-based process. NFPA 99 (2012) requires facilities to be designed to meet system risk categories 1 through 4 as described in the code. Based on a facility’s risk assessment being competed the facility would follow the requirements of each chapter. Each chapter is also divided into the four risk categories based on either New or EXISTING and instructs facility of the requirements.

**Risk Assessment Instructions NFPA 99 (2012)**

Attached are two risk assessment tools 1) Facility Systems and 2) Electrical Equipment and Gas Equipment that may be used to implement the requirements of NFPA 99. Facility Systems Risk Assessment includes determination of risk for the following: 1) Gas and Vacuum Systems (chapter 5), Electrical Systems (chapter 6), and HVAC (chapter 7).

The Electrical Equipment and Gas Equipment Risk Assessment address the risk determination for 1) Electrical Equipment (chapter 10) and 2) Portable Patient Gas Equipment (chapter 11).

The assessments are designed to aide facilities to determine risk as outlined in NFPA 99 and the steps to meet compliance. These risk assessments should be kept for review and updated periodically as facility systems/ equipment change. CMS has established compliance requirements (K Tag) for the risk assessment and its completion. The k tag is below:

|  |  |
| --- | --- |
| K901 | Fundamentals – Building System Categories Building systems are designed to meet Category 1 through 4 requirements as detailed in NFPA 99.  Categories are determined by a formal and documented risk assessment procedure performed by qualified personnel. Chapter 4 (NFPA 99) |

Completion of Risk Assessments: Enter the risk category (number 1 through 4) of for each room identified item set (room or equipment) based on the risk categories summarized below and as outline in NFPA 99 Chapter 4. Facilities should assess the risk for equipment for “appliances and equipment used in patient care rooms of health care facilities”.

Facilities need to develop a risk team that is familiar with the requirements of NFPA 99 as well as the facility’s systems including Electrical, HVAC, Medical Gases, resident care, and environmental operations. Risk teams need to also understand the risk categories and how systems/equipment operations effect resident safety. The risk categories are below:

|  |  |
| --- | --- |
| 1 | Facility systems in which failure of such equipment or systems is likely to cause major injury or death of residents or staff is designated category 1 requirements as defined by the NFPA 99-  2012 edition |
| 2 | Facility systems in which failure of such equipment or systems is likely to cause minor injury of residents or staff is designated category 2 requirements as defined by the NFPA 99- 2012 edition |
| 3 | facility systems in which failure of such equipment or systems is not likely to injury of residents or staff but can cause discomfort to residents is designated category 1 requirements as defined by the NFPA 99- 2012 edition |
| 4 | Facility systems in which failure of such equipment would have no impact on residents or staff is designed Category 4 as defined by the NFPA 99 - 2012 edition |

**NFPA 99 Risk Assessment Facility Systems**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Room** | **Type** | **Gas/ Vacuum**  **System** | **Electrical**  **System** | **HVAC**  **System** | **Comments** |
| Resident Rooms |  |  |  |  |  |
|  | Rehabilitation |  |  |  |  |
|  | Custodial Care |  |  |  |  |
|  | Dementia/ Alzehimer's |  |  |  |  |
|  | Respitatory/ Ventaltor |  |  |  |  |
|  | Wound |  |  |  |  |
|  | Behavior/ Mental Health |  |  |  |  |
|  | Other: |  |  |  |  |
| Therapy |  |  |  |  |  |
|  | Physical Therapy |  |  |  |  |
|  | Occupational Therapy |  |  |  |  |
|  | Speech Therapy |  |  |  |  |
|  | Repsitatory Therapy |  |  |  |  |
|  | Other: |  |  |  |  |
| Nursing |  |  |  |  |  |
|  | Nursing Stations |  |  |  |  |
|  | Medication Room |  |  |  |  |
|  | Clean Utility |  |  |  |  |
|  | Central Supply |  |  |  |  |
|  | Oxygen Stroage |  |  |  |  |
|  | Soiled Utility/ Trash |  |  |  |  |
|  | Other: |  |  |  |  |
| Other |  |  |  |  |  |
|  | Offices |  |  |  |  |
|  | Kitchen |  |  |  |  |
|  | Dining Room(s) |  |  |  |  |
|  | Staff Break Room(s) |  |  |  |  |
|  | Laundry |  |  |  |  |
|  | Lobby/ Lounges |  |  |  |  |
|  | Public Rest Rooms |  |  |  |  |
|  | Activities |  |  |  |  |
|  | Beauty Shop |  |  |  |  |
|  | Medical Records |  |  |  |  |
|  | Other: |  |  |  |  |
| Maintenace |  |  |  |  |  |
|  | Boiler Room |  |  |  |  |
|  | Generator/ Electrial |  |  |  |  |
|  | Other: |  |  |  |  |

## Choose the risk category for each room above.

|  |  |
| --- | --- |
| 1 | Facility systems in which failure of such equipment or systems is likely to cause major injury or death of residents or staff is designated  category 1 requirements as defined by the NFPA 99- 2012 edition |
| 2 | Facility systems in which failure of such equipment or systems is likely to cause minor injury of residents or staff is designated category 2  requirements as defined by the NFPA 99- 2012 edition |
| 3 | facility systems in which failure of such equipment or systems is not likely tor injury of residents or staff but can cause discomfort to  residents is designated category 1 requirements as defined by the NFPA 99- 2012 edition |

|  |  |
| --- | --- |
| 4 | Facility systems in which failure of such equipment would have no impact on residents or staff is designed Category 4 as defined by the NFPA  99 - 2012 edition |

**NFPA 99 Risk Assessment Electrial Equipment/ Gas Equipment**

**Facilities should assess the risk for equipment for “appliances and equipment used in patient care rooms of health care facilities”.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Equipment** | **Item#** | **Risk** | **Comments** |
| BiPap/ Cpap |  |  |  |
| Bladder Scanner |  |  |  |
| Bone Stimulator |  |  |  |
| Cell Phone w/charger |  |  |  |
| CPM |  |  |  |
| Defibrillator |  |  |  |
| DVD |  |  |  |
| DVT Pump |  |  |  |
| E Stem machine |  |  |  |
| ECG Machine |  |  |  |
| EKG Machine |  |  |  |
| Electric Bed |  |  |  |
| Electric Wheel Chair w/charger |  |  |  |
| Game System Player |  |  |  |
| IV Pump |  |  |  |
| Lamp |  |  |  |
| Laptop/w charger |  |  |  |
| Lift Chair |  |  |  |
| Low-air Loss Mattress |  |  |  |
| Oxygen Concentrator |  |  |  |
| Oxygen Regulator |  |  |  |
| Pulse Oximeter |  |  |  |
| Scale |  |  |  |
| Suction Equipment |  |  |  |
| Task Lighting/ Lamps |  |  |  |
| Television |  |  |  |
| Tube Feed Pump |  |  |  |
| Ultrasound machine |  |  |  |
| Ventilator |  |  |  |
| Vital sign monitor |  |  |  |
| Wheel Chair Battery Charger |  |  |  |
| Wound Vac |  |  |  |
|  |  |  |  |
| Oxygen Storage (Tank) |  |  |  |
| Oxygen Storage (Liquid) |  |  |  |
| Oxygen Concentrator |  |  |  |
| Other: |  |  |  |

## Choose the risk category for each room above.

|  |  |
| --- | --- |
| 1 | Facility systems in which failure of such equipment or systems is likely to cause major injury or death of residents or staff is designated category 1 requirements as defined by the NFPA 99- 2012 edition |
| 2 | Facility systems in which failure of such equipment or systems is likely to cause minor injury of residents or staff is designated category 2 requirements as defined by the NFPA 99- 2012 edition |
| 3 | Facility systems in which failure of such equipment or systems is not likely tor injury of residents or staff but can cause discomfort to residents is designated category 1 requirements as defined by the NFPA 99- 2012 edition |
| 4 | Facility systems in which failure of such equipment would have no impact on residents or staff is designed Category 4 as defined by the NFPA 99 - 2012 edition |