|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Program Name： | | | | |
| Requirements | C | NC | N/A | Results and Remarks |
| 4.1 General criteria  4.1.1 Safety management requirement  4.1.1.1 Organization and function of safety operation |  |  |  |  |
| 4.1.1.2 Hazardous operation  4.1.1.2.1 Identification of hazardous operation |  |  |  | Check the following applicable hazardous operations |
| (1) Propellant operation |  |  |  |  |
| (2) Pressure system handling operation |  |  |  |  |
| (3) Operations of pyrotechnics and systems using pyrotechnics |  |  |  |  |
| (4) Operations performed within hazardous explosive atmosphere areas |  |  |  |  |
| (5) Operations with toxic substances, deleterious substances, and harmful gases (including liquid vaporizing to harmful gases) |  |  |  |  |
| (6) Radio-isotope operations |  |  |  |  |
| (7) Operations of high-voltage electrical power |  |  |  |  |
| (8) Radiation operations (where emission intensity of radiation affects personnel health, pyrotechnics, and facilities) |  |  |  |  |
| (9) Operations performed in high acoustic noise environments |  |  |  |  |
| (10) Operations performed in tanks and enclosed spaces (operations in oxygen depletion environments or in harmful, explosive or flammable vapors) |  |  |  |  |
| (11) Handling of cryogenic materials and systems using these materials |  |  |  |  |
| (12) General hazardous operations (forklift, crane, slinging, operation in high locations, and heavy load transportation and transfer operations) |  |  |  |  |
| (13) Handling of other hazardous items, and operations determined to be hazardous by the Launch Site Safety Group. |  |  |  |  |
| 4.1.1.2.2 Hazardous operation procedures |  |  |  |  |
| 4.1.1.2.3 General regulations for hazardous operation |  |  |  |  |
| 4.1.1.3 Emergency procedures  4.1.1.3.1 General |  |  |  |  |
| 4.1.1.3.2 Responding to mishap |  |  |  |  |
| 4.1.1.3.3 Recovery from an emergency situation |  |  |  |  |
| 4.1.1.4 Weather regulations  4.1.1.4.1 Lightning |  |  |  |  |
| 4.1.1.4.2 Storm |  |  |  |  |
| 4.1.1.4.3 Heavy rain |  |  |  |  |
| 4.1.1.4.4 Tidal wave and earthquake |  |  |  |  |
| 4.1.1.4.5 Handling of harmful propellants and weather condition |  |  |  |  |
| 4.1.1.5 Personnel restricted area  4.1.1.5.1 Restriction at Personnel Restricted Area, etc. |  |  |  |  |
| 4.1.1.5.2 Entry/Exit Control System |  |  |  |  |
| 4.1.1.5.3 Warning Area regarding harmful gas diffusion |  |  |  |  |
| 4.1.1.6 Safety training |  |  |  |  |
| 4.1.1.7 Application for delivery of hazardous products |  |  |  |  |
| 4.1.2 Hazardous atmosphere  4.1.2.1 Explosion hazard atmosphere  a．Explosion hazard atmosphere area of flammable liquid propellants |  |  |  |  |
| b．Explosion hazardous atmosphere area for solid propellants and pyrotechnics and its location |  |  |  |  |
| 4.1.2.2 Other requirements for hazardous atmosphere area |  |  |  |  |
| 4.1.3 Material |  |  |  |  |
| 4.1.4 Operation of RF radiation |  |  |  |  |
| 4.1.5 Optical system |  |  |  |  |
| 4.1.6 Acoustic noise |  |  |  |  |
| 4.1.7 Use of ionizing radiation etc. |  |  |  |  |
| 4.1.8 Other requirements  4.1.8.1 Humidity control |  |  |  |  |
| 4.1.8.2 Protective equipment (PPE) |  |  |  |  |
| 4.1.8.3 Protection for hazardous objects |  |  |  |  |
| 4.1.8.4 Tool control |  |  |  |  |
| 4.1.8.5 Photography |  |  |  |  |
| 4.1.8.6 Restriction on ignition materials |  |  |  |  |
| 4.1.8.7 Operation at high elevation |  |  |  |  |
| 4.2 Transporting, transferring, and handling equipment  4.2.1 Forklift operation |  |  |  |  |
| 4.2.2 Crane operation |  |  |  |  |
| 4.2.3 Slinging operation |  |  |  |  |
| 4.2.4 Transporting and transferring heavy load |  |  |  |  |
| 4.2.5 Use of elevators and shutters |  |  |  |  |
| 4.3 Use of elevators and shutters  4.3.1 Liquid propellants |  |  |  |  |
| 4.3.2 Solid rocket motors |  |  |  |  |
| 4.3.3 Solid rocket motors |  |  |  |  |
| 4.4 Pressure system.  4.4.1 Pressure system. |  |  |  | This section is for description only; there are no requirements. |
| 4.4.2 Pressure system operation |  |  |  |  |
| 4.4.3 Pressure system protection |  |  |  |  |
| 4.5 Operation of pyrotechnics (except for solid rocket motors) |  |  |  |  |
| 4.6 Operation of pyrotechnics (except for solid rocket motors)  4.6.1 General requirement |  |  |  |  |
| 4.6.2 Grounding |  |  |  |  |
| 4.6.3 Protective devices |  |  |  |  |
| 4.6.4 Maintenance operation |  |  |  |  |
| 4.6.5 Battery |  |  |  |  |