

Detailed List of Items that Requires Safety Office Review in KFS

The following is a list of keywords or and topics that would likely require review from the Safety Office. If there is any doubt, email safety@nps.edu

Items for safety review:

- Sources of ionizing radiation
- Sources of RF energy above an average transmit power of 5W
- Class 3 or 4 Lasers
- UAVs/UASs
- Explosives
- BioSafe Level 1-4 agents or material
- Items related to research on animal subjects
- Items related to research on human subjects
- Batteries (Specific types or large orders)

HAZMAT - What to look For:

- Chemical
- Hazardous
- Compound, reagent
- Controlled
- Regulated
- Pyro, Pyrotechnic, Pyrophoric
- Words ending in “ane”, “ine” “ene”
- Fuel
- Aerosol
- Combustible, flammable
- Oxidizer
- Corrosive
- Reproductive Risk
- Carcinogen
- The Word “Caution”
- The Word “Danger”
- The Word “Hazards”
- Warning Pictograms
- Compressed gases (above 40 psi) (Also equipment requiring gas, compressed air/gas, oil, etc. need to seek HM approval.)

RADIATION – What to Look For:

- Radioactivity, Radiation, Ionizing Radiation
- Radioactive material, radioactive sources, check sources
- Contamination, Activity, Loose Surface Contamination
- NRC License, Agreement State License, Radioactive
- Material Permit
- Radiation Producing Machines, X-Ray, Electron
- Microscope, X-Ray Fluorescence, X-Ray Diffraction,
- Accelerator
- Self-illuminating dials, smoke detectors and welding rods

RADIOFREQUENCY - What to look For

- Radio, RF, Radiofrequency, EM, Electromagnetic
- Transmitter
- Microwave,
- Terahertz, or THz
- Megahertz, or MHz
- Gigahertz, or GHz
- Radiant, Radiant Energy
- Radar, Pulsar
- Antenna
- Radiation
- Spectrum, MultiSpectrum, or Full Spectrum
- Phased array
- Band or multiband
- Satellite communications
- Wave guides

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LASERS – What to look for

- The Word “LASER” on anything
- Class 3, class iii, class 3a, Class 3R, Class 3B, Class 4
- LIDAR
- Optics or Optical
- Power ratings such as Watt, mW,
- Pulse, Pulsed
- Nanosecond, femtosecond, attosecond
- Continuous Wave
- Helium Neon
- Spectrum, visible, invisible
- Beam
- Stimulated emissions
- Coherent

UAVs/UASs – What to Look For

- Flying
- Orbiting
- Dwell, extended dwell
- Remotely piloted or remotely controlled
- Autonomous (when associated with other obvious flight terms)
- Aerial

EXPLOSIVES – What to Look For

- Explosive, Explosion
- Ordnance
- Charge, Shaped charge
- CCD
- HE
- Ammunition, live ammunition, ammo, cal , caliber
- Demolition
- Weapon
- Mines
- Anti-personnel
- Detonate, Detonator, IED

BioSafe Controlled Items – What to Look For

- Toxin
- Live agent
- BioSafe, Biosafety, BioHazard
- Culture
- Select Agent
- CDC controlled or regulated
- Pathogen
- Communicable
- Infectious

Batteries – What to Look For

- Lithium, Lithium Ion, LiPo
- NiCAD or Nickel Cadmium
- Rechargeable
- Extended Charge
- Lead or Lead/Acid