

TABLE 1 - Summary of Van Types and Requirements (Sub-chapter "U" vessels)

March 2002

Van Type	Normally Occupied or Experiments Conducted Within	Exterior Fire Rating <i>(See Note 5)</i>	Standard ISO Shipping Container Acceptable?	USCG Inspected	ABS Certified	Applicable CFR's and Regulations
Laboratory <i>General Purpose Isotope Electronics Refrigerated Workshop</i>	Yes <i>(See Note 1)</i>	Non-Combustible Materials <i>(See Note 2)</i>	Yes <i>(with additional stiffening)</i>	No	<i>(See Note 4)</i>	<i>ABS High Speed Rules</i> 46CFR 195.11 46CFR 190.10 46CFR 194.15 46CFR 188.10-11
Accommodations (Berthing)	Yes <i>(See Note 1)</i>	Non-Combustible Materials <i>(See Note 2)</i>	Yes <i>(with additional stiffening)</i>	Yes <i>(See Note 3)</i>	<i>(See Note 4)</i>	<i>ABS High Speed Rules</i> 46CFR 195.11 46CFR 190.10 46CFR 190.15 46CFR 190.20
Chemical Storage	No	A-0	Yes <i>(with additional stiffening)</i>	Yes <i>(See Note 3)</i>	<i>(See Note 4)</i>	46CFR 195.11 46CFR 194.20
Power/Machinery	No	A-0	Yes <i>(with additional stiffening)</i>	Yes <i>(See Note 3)</i>	<i>(See Note 4)</i>	46CFR 195.11
Explosive Storage	No	A-15	Possible <i>(with additional stiffening/insulation)</i> Formal Testing Required	No	<i>(See Note 4)</i>	46CFR 195.11 46CFR 194.10-15
General Storage	No	None	Yes	No	Yes	46CFR 195.11
Freezer/Refrigerator	No <i>(Storage Only)</i>	None	Yes	No	Yes	46CFR 195.11

Note 1: Bulkhead pressure in *ABS High Speed Rules/Side and Aft Deckhouse Structure* (1.5 psi for stiffeners, 2.0 psi for plate) has been applied by UNOLS as a minimum for all vans "normally occupied by personnel". Vans to be in a "Sheltered Location".

Note 2: "Non-Combustible" = Steel, Aluminum, or materials approved under 46CFR 164.009 (or equivalent).

Note 3: Certificate Posted. Inspect every 2-years.

Note 4: Once modified, container CSC plate must be re-certified. Custom-built vans may be "TOP LOAD ONLY" in lieu of CSC plate.

Note 5: Panel fire rating indicates class of structural fire protection for the exterior of van on its own (to the open deck).

