PIA-TS-135 - Table 4.

Performance Test Requirements for Component Qualification

Description of Test	Reference Paragraph for PIA-TS-135	Complete Parachute Assembly	Deployment Initiation Device (Pilot Chute, etc.)	Deployment Control Device, (dbag, etc.)	Canopy, lines, links, and reefing device (if used)	Stowage Container	Primary Actuation Device (Ripcord or Equivalent, Except Static Line)	Primary Actuation Device (Static Line)	Reserve Static Line (if used)	Harness	Risers (if not integral with harness)	Drogue, Canopy & Riser (if used)	Drogue Release Device (if used)	MARD (if used)
Ripcord Strength Tests	4.3.2	X					X	X	X				X	
Human Factors	4.3.3	X				X	X					X	X	X
Environmental	4.3.5	X	X	X	X	X				X	X	X	X	X
Structural Overload Test	4.3.6	X	X	X	X	X				X	X	X	X	*1
Functional Tests - Twisted Line	4.3.7	X		X	X									
Functional Tests - Normal Pack, Direct Drop	4.3.8.1	X	X	X	X	X						X	X	
Functional Tests - Normal Pack, Breakaway	4.3.8.2	X	X	X	X	X	X		X					X
Rate of Descent	4.3.9	X			X									
Stability	4.3.10	X			X									
Live Drops	4.3.11	X	X	X	X	X	X	X	X	X	X	X	X	X

*1 MARD installation shall not degrade strength or tensile loads on any reserve deployment devices or subassemblies on which it is installed. The manufacturer shall prove equivalent strength between similar devices or subassemblies with and without the MARD installed. This can be done with a bench/pull test or tensile test. For example, the strength of a free bag bridle with MARD parts installed but not hooked up should not be less than a bridle without a MARD installation.