

# Modular Egress Training Simulator (METS™) Model 40 Specifications, Materials, and Clients

Characteristics	Specifications
Overall Length	216" (5486 mm)
Overall Interior Width	100" at 11" Elevation (2540 mm @ 280 mm) 93" at 63" Elevation (2362 mm @ 1600 mm)
Interior Height	71" (1803 mm)
Optional Cockpit Height	63.5" (1613 mm)
Outside Diameter	104" (2642 mm)
Cradled Height	128" (3251 mm) (From Trolley Shackle to Floor)
Cradled Height (Without Trolley)	111" (2820 mm) (From Top of Ring to Floor)
Weight (With Interior Components)	Approximately 7500 (3402 kg)
Weight (With Maximum Passengers)	Approximately 9950 lbs (4513 kg)
Maximum Passengers Immersed	14 (at 175 lbs {80 kg} Per Passenger)
Maximum Passengers Surface Evacuation	18 (at 175 lbs {80 kg} Per Passenger)
Number of Interchangeable Exit Panels	8 at Any One Time
Interior Configuration Options	Multiple / Unlimited
Helicopter / Aircraft Types	Multiple / Unlimited (250+ Escape Exits Already Designed)
Fixed Wing Adaptable	Yes
METS™ Preferred Lift Handling System Options	SSL's Personnel-Rated Models 12000 lb SmartJib™ or Cross Gantry Hoist (XGH™) with Dual Drives and Cabling, Redundant Retract System, and Fail-Safe Leveling Plate
On Site Commissioning, Maintenance Training Required (to Validate Warranties)	Yes (Alternatively, Training can be Delivered at Survival Systems in Dartmouth, Nova Scotia, Canada)
Aircraft Ditching Training Required	Yes, at Client's Site, or at Survival Systems' Site
Color	Interior / Exterior – Dark Blue
Rotation System (Passive)	180 Degree Inversion via Buoyancy Pods
Brake System (Pneumatic)	Supply 150 psi (10.2 bar) to Air System Mounted on Lift System Operating Pressure 80 psi (5.44 bar) Minimum Operating Pressure 120 psi (8.16 bar) Maximum 0.34 Cubic Feet Per Cycle @ 1 atm (1 bar)

### Materials Used in the Construction of METS™ Model 40

Stainless Steel Type 304, ABS Plastic, Lexan, Acetyl Plastic, High Density & Ultra High Molecular Weight Polyethylene, Aluminum Bronze, 18-8 Stainless Steel, Silicon Bronze

### Clients with a METS™ Model 40 (NC = Not Commissioned)

#### METS® Model 40 (Shown in Blue)

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|--|--|---|
| 1) Survival Systems Training (not SSL) – Nova Scotia                   | 2) Survival Systems Limited – Nova Scotia  | 3) SS USA – Connecticut                   |
| 4) US Air Force – Washington   | 5) US Navy – Pensacola, Florida            | 6) US Navy – Patuxent River, Maryland     |
| 7) German Navy – Nordholz  | 8) US Navy – Whidbey Island, Washington    | 9) Australian Army – Townsville           |
| 10) US Army – South Korea  | 11) US Navy – Cherry Point, North Carolina | 12) US Navy – Norfolk, Virginia           |
| 13) Survival Systems Training (not SSL) – Nova Scotia – Client Altered | 14) US Army – Kentucky                     | 15) Spanish Navy – Rota                   |
| 16) US Navy – Jacksonville, Florida                                    | 17) US Navy – Lemoore, California          | 18) US Navy – Miramar, California         |
| 19) LUKOIL – Astrakhan, Russia   | 20) SASR – Swanbourne, Australia           | 21) USCG – Elizabeth City, North Carolina |
| 22) French Navy – Brest  | 23) US Army – Alabama                      | 24) ROKN – South Korea                    |
| 25) Ministero della Difesa – Italy (NC)                                | 26) JGSDF – Japan (NC)                     |   |

