

LIGHTWEIGHT SKAD

Survival Kit Air Droppable

Lightweight SKAD

The Airborne Systems Canada Ltd. **Lightweight SKAD** is qualified on various aircraft to provide a long range, fast response Search and Rescue (SAR) capability and deploys a temporary shelter with provisions until permanent rescue arrives. It is an aircraft mounted survival kit that provides highly reliable and accurate aerial delivery of survival equipment. The **LW SKAD** allows squadrons to be entirely self-supporting in the event of the ejection of an aircrew. Survivors will receive temporary shelter and provisions until a rescue can be organized.



LW SKAD Wing-mounted on F-18

Survivors can succumb to hypothermia long before a traditional helicopter or boat rescue team can reach the scene. Airborne Systems **LW SKAD** can be utilized for water or land rescues and is readily adaptable to suit various life raft and survival equipment. The **LW SKAD** can be supplied with or without these items, thereby enabling the user to utilize their current in-service equipment. The **LW SKAD**'s versatility and ability to reach survivors quickly makes it a vital piece of SAR and support equipment

Lightweight SKAD Design Specifications

SPECIFICATION	MARINE	LAND
Deployment Altitude - Feet	100 - 500	500 - 1000
Deployment Speed - KIAS	130 - 300	130 - 300
Carriage Speed—KIAS	350	350
Operational Weight - LBS	325	325
Typical Payload Weight - LBS (subject to life raft/kit selection)	200	200
Life Raft Separation - Feet (separation a function of release altitude)	200 - 600	N/A
Survivor Capacity (Subject to content selection)	12 Person	12 Person
Attachment	NATO 14 in. Std. BRU	
Currently Qualified Aircraft	Fokker - F-50 MR S-2 Tracker	Fokker F-27 MR F-18 / F-16

The Airborne Systems Family of Brands
GO Parachutes / Irvin Aerospace / Para-Flite / Aircraft Materials (AML)

AIRBORNE SYSTEMS
Dedicated To Preserving The Safety
Of The Mission And Its People

LIGHTWEIGHT SKAD

Marine SKAD

Designed to reliably and accurately deploy two inflatable life rafts and survival gear into the water. The LW SKAD system is released from the aircraft by the pilot upwind of the survivors. A parachute system is initiated and the first life raft package is extracted from the LW SKAD container. A buoyant rope is deployed and feeds out between the first and second life raft package (which is still in the container). Once the container impacts the water, the second life raft is expelled and inflated. Both life rafts are designed to inflate automatically upon water immersion. The inflated life rafts, which are still connected by the buoyant rope, drift towards the survivors in the water. The survivors will then be able to reach either one of the life rafts or the buoyant rope and utilize the survival equipment contained within the inflated life raft. Automatic deployment of life raft sea anchors and strobe lights enhance stability and visibility in poor weather conditions.



LW SKAD Under F-16



Inflated Life Raft

Land SKAD

Designed to deploy survival equipment which will provide maximum protection in hostile environments such as Arctic, desert, and mountainous regions. Once the LW SKAD is released from the aircraft, a parachute system is deployed to deliver the equipment to the survivors on the group. To minimize wind dispersal and ensure precise delivery, an Airborne Systems Ground Disconnect is utilized to release the recovery parachute from the survival equipment upon ground impact. A strobe light and audio alarm system are fitted to the equipment to ensure easy location of deployed equipment under adverse conditions. The Airborne Systems Land LW SKAD is also adaptable as a general purpose container to supply Special Forces.

This data sheet is for information only and shall not form part of a contract