

## HEAVYWEIGHT SKAD SURVIVAL KIT AIR DROPPABLE

The Heavyweight SKAD (HW SKAD) is qualified on various aircraft to provide a long range, Search and Rescue (SAR) capability. It is an aircraft mounted survival kit that provides highly reliable and accurate aerial delivery of survival equipment.

- The HW SKAD can be used for deployment to downed aircrew, small craft in distress, or remote disasters in the Arctic, desert, mountainous terrain or ocean. The HW SKAD can also be used for special operations support, high speed airborne re-supply, and for potential rescue in case of ejection.
- Survivors can succumb to hypothermia long before a traditional helicopter or boat rescue team can reach the scene. The HW SKAD can be utilised for water or land rescues and is readily adaptable to suit various life raft and survival equipment.
- The HW SKAD can be supplied with or without these items, thereby enabling the user to utilise their current in-service equipment.
- The SKAD's versatility and ability to reach survivors quickly makes it a vital piece of SAR and support equipment.



PC-3 Drop of SKAD

### TECHNICAL SPECIFICATION

Specification	Marine	Land
Deployment Altitude	200 – 500 ft	500 – 1000 ft
Deployment Speed	170 – 220 KIAS	170 – 220 KIAS
Carriage Speed	300 KIAS	300 KIAS
Operational Weight	700 lb	700 lb
Typical Payload Weight	330 lb	330 lb
<small>(subject to life raft/kit selection)</small>		
Life Raft Separation	350-700 ft	N/A
<small>(separation a function of release altitude)</small>		
Survivor Capacity	20 Person	20 Person
<small>(Subject to content selection)</small>		
Attachment	NATO 14 in. Std. BRU	
Currently Qualified Aircraft	PC-3 Orion	

## MARINE SKAD

Designed to reliably and accurately deploy two inflatable life rafts and survival gear into the water. The HW 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 HW 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 utilise 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.



Bomb Bay Release of SKAD



Inflated Life Raft

## LAND SKAD

Designed to deploy survival equipment which will provide maximum protection in hostile environments such as the Arctic, desert, and mountainous regions.

- Once the HW SKAD is released from the aircraft, a parachute system is deployed to deliver the equipment to the survivors.
- To minimise wind dispersal and ensure precise delivery, an IrvinGQ Ground Disconnect is utilised 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 IrvinGQ Land HW SKAD is also adaptable as a general purpose container to supply Special Forces.