


# Royal Marines and Malloy T-150: tactical resupply that cuts time and saves lives at the front

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The integration of uncrewed aerial systems (**UAS**) into tactical support operations has reached a new stage of development. The specialist teams from **Malloy Flight** (*Delta Squadron, 48 Commando*) have standardized the assembly, preflight inspection, and launch procedures for the **Malloy T-150**, reducing the launch window to just **3 minutes in daytime configuration** and **5 minutes in nighttime configuration**.

The aim of the training is not merely speed of execution, but the **survivability of the logistics cell**: reducing time on the ground minimizes electromagnetic and visual signatures, mitigating the risk of detection by enemy surveillance and direction-finding systems.



## Tactical module and employment scenarios: Exercise Strike Warrior

During the recent NATO exercise *Strike Warrior* at the **Spadeadam** range, the UK Commando Force tested its resupply capability in highly contested (A2/AD) environments. Lessons learned from the conflict in Ukraine informed the new guidelines:

1. **BVLOS (Beyond Visual Line of Sight) flight:** Conducting missions beyond visual line of sight using waypoint navigation and collision-avoidance systems, ensuring frontline resupply without exposing crewed aircraft.
2. **Quick Reaction Sortie procedure:** Intensive training for recruits and non-specialist personnel to standardize and make drone setup repeatable under physical and psychological stress and in poor visibility.
3. **Payload Management:** Optimizing balance for heavy-lift platforms carrying up to **68 kg**, with compartments dedicated to heavy ammunition, disassembled weapon systems, and blood bags.

> ***"A single uncrewed system enables a squad to generate the tactical effect of a force 12 times larger,"*** *emphasized Major Rhys Adkins (OC Delta Squadron).****"Reducing the individual operator's logistical footprint means preserving the unit's combat capability, while increasing lethality and maneuver flexibility."***

## Operational profile of the Malloy T-150 platform

The system's employment has been validated through a series of environmental and naval stress tests that define its operational parameters:

- **Maximum payload capacity:** Up to **68 kg** of equipment carried per sortie.
- **Arctic environment (-28°C):** Deployed in Norway to transport **81 mm mortars** (barrel, bipod and baseplate), ammunition and **EOD robots** (mine clearance) in support of 40 and 45 Commando.
- **Naval Operations (Ship-to-Ship):** At-sea resupply between the aircraft carrier *HMS Prince of Wales* and the destroyer *HMS Dauntless* during Carrier Strike Group operations.

- **Operational Relief / HADR:** *Ship-to-Shore* transport of more than **240 kg of aid** and medical supplies to isolated communities (*HMS Trent*, Caribbean).

## Impact on Commando Force doctrine

The introduction of the Malloy platform redefines the classic concept of *"yomping"* (a fully loaded tactical march). While physical conditioning remains a fundamental pillar for the Royal Marines, automated tactical support **reduces the critical load carried by each operator**, enabling faster movement, reduced physical wear and tear, and a decisive logistical advantage during the approach to the objective.

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**News link:** https://www.forcesnews.com/services/royal-marines/every-second-counts-royal-marine-drone-specialists-cut-malloy-launch-time