

# FLIGHT REFERENCE CARDS

## DJI Inspire Series

These Flight Reference Cards (FRCs) hold all useful information that a remote pilot would need to familiarise themselves with the DJI Inspire Series. It includes:

- Trialled and tested best practice for drone procedures that promote enhanced safety, mission success, and equipment longevity
- Aircraft specific limitations
- Trialled and tested best practice for the main types of drone emergencies

*"This is an awesome addition to my pilot pack. A must-have for any professional drone pilot."*

– Sgt. Aaron Connolly, Essex Police –

*"Staggeringly accurate with no room for error or improvement, they will benefit their users in an unparalleled way."*

– Jamie Allan, Allan Panthera –

*"All of the failure cards are so useful! It saves having to cast my mind back to training in an incident when people may panic."*

– Gareth Fient, Essex Police –



## What's Inside?

**Drone Limitations:** these cards list the key limitations per drone within the DJI Inspire Series that a drone pilot may need to quickly reference in the field, e.g. maximum wind speed resistance, or flight time, etc.

**Drone Status LEDs:** these cards list the normal and warning LEDs sequence that a drone within the DJI Inspire Series may display at any point, to assist a drone pilot with risk assessing and understanding the status of the drone. The warning sequences within these cards also direct the drone pilot to the relevant Emergency Procedure card.

**Flight Checks:** these include pre-flight, pre-take-off, in-flight, landing and post landing checks that promote safety, mission success, and equipment longevity through enhanced accuracy of drone procedures. These checks assume that you have no prior experience of using this particular drone and so the step-by-step procedures throughout the flight checks contain great detail as well as tips for overcoming common mistakes or equipment errors.

**Emergency Procedures:** these cards list the best practice for emergency procedures in response to the 10 main types of drone emergencies, which are: drone failure; GPS failure; interference; flyaway; control failure; fire; power failure; pilot incapacitation; public encroachments; and air incursions. The Emergency Procedure cards have followed the 'Avoid / Consolidate / Describe / Consider or Continue or Cancel Procedure' – dubbed the ACDC 'Procedure' – as created by Essex Police. The ACDC Procedure is essentially a trialled and tested framework for drone pilots to apply when an emergency occurs.

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# 5 REASONS WHY YOU NEED THIS

2

Contains all of the information a remote pilot needs to know in order to familiarise themselves with any drone in the DJI Inspire Series for safe and effective drone flight training

1

Ensures that remote pilots are trained on procedural best practice from day 1 and always to the same standard.

3

Cleverly designed to augment complex decision-making in time-critical, high stress situations.

4

It promotes safety, mission success, and equipment longevity through enhanced accuracy.

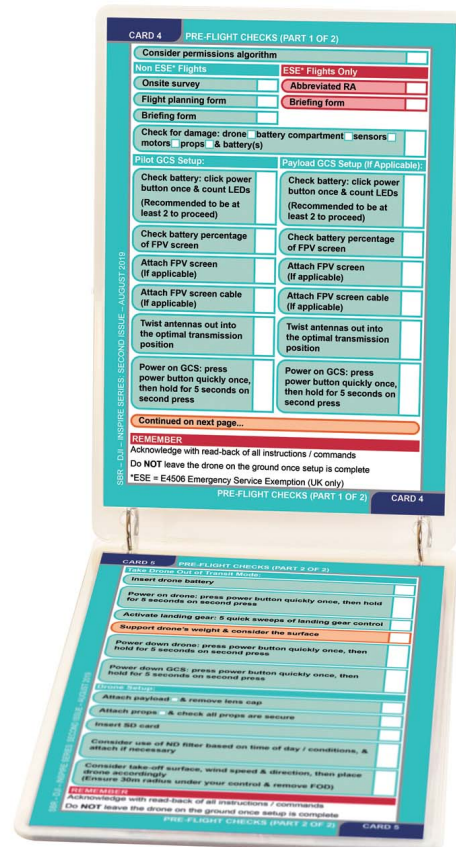
5

Robustly produced to be durable, reusable, and weatherproof



## DURABLE REUSABLE WEATHERPROOF

The DJI Inspire Series FRCs are waterproof to be durable in harsh environments and can be filled out using permanent marker and then wiped down with alcohol gel after the drone operation is concluded, for repeated use.



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# RESEARCH-DRIVEN COLLABORATIVE AWARD-WINNING

This product is a direct result of the award-winning SkyBound Rescuer Drone Procedure Optimisation Study, in partnership with Essex Police. After highlighting the problem of drone teams exhibiting low reliability and low efficiency during emergency response, the key objective for this Study was to standardise drone procedure performance to a reliably high standard across the full spectrum of remote pilot competency, for all Emergency Services. The outcome of this exploration were the SkyBound Rescuer Deployment Packs and Flight Reference Cards. The key results from the performance review of these products with Essex Police (UK) and Essex Fire & Rescue Service (UK) are summarised in the infographic to the right.

To read the full paper, please refer to:  
<https://skyboundrescuerproject.com/DPOS/>

The Study was awarded a DRONERESPONDERS Commendation for its impact on public safety (pictured below).



**Left to right:** Perran Bonner, Essex Police | Gemma Alcock, SkyBound Rescuer | Charles Werner, DRONERESPONDERS

***"Great piece of work. This will further enhance our standards and keep our drone pilots safe. Thanks!"***

– Essex Police Drone Team –



## Key Results From Our Trials



**90-91%**

Drone procedural accuracy  
(up from 59-62%)

Time savings of  
**14 hours** per annum



**30-36%**

improvement in safety critical  
procedures

**10-15%**  
improvement in procedures  
critical for mission success



**16-23%**

improvement in procedures  
critical for equipment longevity

A significant improvement in  
**efficiency**



Scored **88-99%** on all  
end user feedback scores

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