

**INCIDENT**

<b>Aircraft Type and Registration:</b>	DJI Phantom (UAS, registration n/a)	
<b>No &amp; Type of Engines:</b>	4 electric motors	
<b>Year of Manufacture:</b>	2018 (Serial no: 0HACFIT0A2001)	
<b>Date &amp; Time (UTC):</b>	25 April 2019 at 1030 hrs	
<b>Location:</b>	Generals Lane, Chelmsford, Essex	
<b>Type of Flight:</b>	Aerial Work	
<b>Persons on Board:</b>	Crew - N/A	Passengers - N/A
<b>Injuries:</b>	Crew - N/A	Passengers - N/A
<b>Nature of Damage:</b>	Damage to arm, rotor, and gimbal	
<b>Commander's Licence:</b>	Other	
<b>Commander's Age:</b>	33 years	
<b>Commander's Flying Experience:</b>	13 hours (of which 13 were on type) Last 90 days - 3 hours Last 28 days - 1 hour	
<b>Information Source:</b>	Aircraft Accident Report Form submitted by the pilot	

The operator walked the area for the planned survey and programmed the drone using Drone Deploy software. Flight parameters were set using the software and the operator allowed a buffer zone from the trees that surrounded the field being surveyed. However, towards the end of the flight the drone struck a tree. The operator stated that the buffer zone had not been sufficient to allow for the turning circle of the drone at the end of one of the flight legs. The damaged drone was recovered from the tree.