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THE INTRODUCTION OF LONDON STANSTED TRANSPONDER MANDATORY ZONES.

1 Introduction

1.1 As the result of an overriding safety concern in relation to number and severity of airspace infringements in the vicinity of London Stansted Airport, the establishment of two Transponder Mandatory Zones (TMZ) has been approved by the Civil Aviation Authority (CAA) and will take effect on **24 September 2009**.

2 Transponder Mandatory Zone

2.1 A TMZ is defined, as a volume of airspace where aircraft wishing to enter or fly within the defined area, will be required to have and operate secondary surveillance radar equipment. TMZs are notified for the purpose of Air Navigation Order 2005 Article 20(2). This equipment must include a pressure altitude reporting transponder capable of operating in Mode A and Mode C and has the capability and functionality prescribed for Mode S Elementary Surveillance (general exemption for VFR flights for aircraft equipped with Mode A/C until March 2012). The pilot of an aircraft that wishes to operate in a TMZ without such serviceable transponder equipment may be granted access to the TMZ subject to specific ATC approval.

3 London Stansted Transponder Mandatory Zones

3.1 The London Stansted TMZ are detailed in the table below and depicted on the chart at Annex A.

Designation and Lateral Limits	Vertical Limits	Airspace Classification
<p>London Stansted Transponder Mandatory Zone (TMZ - 1)</p> <p>515416N 0002653E thence anti-clockwise by an arc of a circle 8 nm radius centred on 515306N 0001406E to 520104N 0001503E - 520517N 0002124E thence clockwise by an arc of a circle 13 nm radius centred on 515306N 0001406E to 515828N 0003314E - 515416N 0002653E.</p>	<p>1500 ft ALT</p> <p>—————</p> <p>SFC</p>	G
<p>London Stansted Transponder Mandatory Zone (TMZ - 2)</p> <p>514508N 0001309E - 514055N 0000652E thence clockwise by an arc of a circle 13 nm radius centred on 515306N 0001406E to 514550N 0000316W - 515146N 0000006W - 515155N 0000120E thence anti-clockwise by an arc of a circle 8 nm radius centred on 515306N 0001309E to 514508N 0001309E.</p>	<p>1500 ft ALT</p> <p>—————</p> <p>SFC</p>	G

4 Transponder Mandatory Zone Access

4.1 Suitably equipped aircraft may access a London Stansted TMZ without ATC approval although such traffic is strongly recommended to afford itself of either an ATSOCA service or make use of an appropriate Monitoring Code (A0013).

4.2 The pilot of an aircraft that wishes to operate in a London Stansted TMZ without serviceable transponder equipment as defined in paragraph 2.1 may be granted access to the TMZ subject to specific ATC approval. This approval may be obtained from Farnborough Radar on frequency 132.800 during their hours of operation (0800-2000 Winter (Summer 1 hr earlier)) or from Essex Radar on frequency 120.625 at other times.

5 Statutory Instruments

5.1 Stansted TMZ is implemented by means of The Air Navigation (Restriction of Flying) (London Stansted Airport) (No. 2) Regulations 2009 (S.I. 2009/2020) which come into force on 24 September 2009. The SI is available at:

<http://www.opsi.gov.uk/si/si-2009-index>

CONTROL ZONE AND CONTROL AREA CHART - ENTRY/EXIT LANES AND VRPs - TRANSPONDER MANDATORY ZONES

