

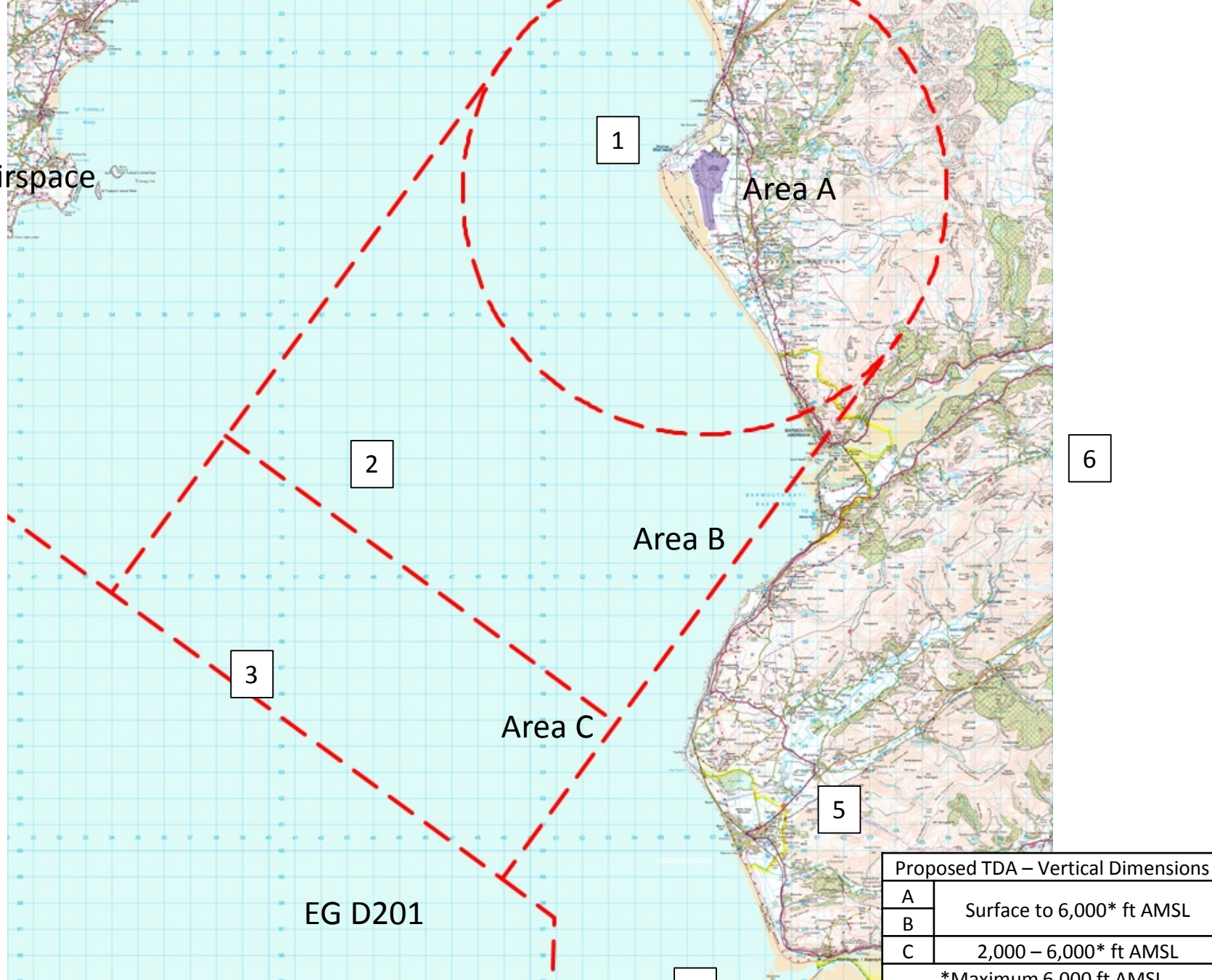


2002 chart

D202 & ATZ

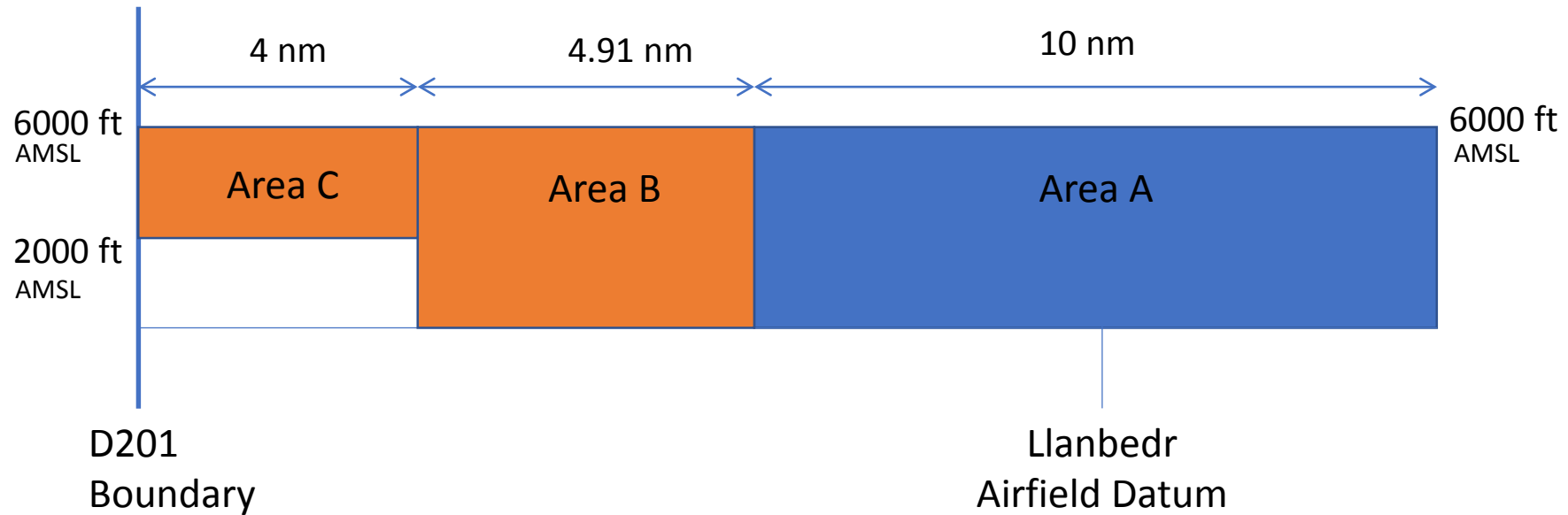
Existing airspace

TDA CAA
Approved



Proposed TDA – Vertical Dimensions	
A	Surface to 6,000* ft AMSL
B	Surface to 6,000* ft AMSL
C	2,000 – 6,000* ft AMSL
*Maximum 6,000 ft AMSL All activated by NOTAM	

Revised proposal post DAAM/22 Gp/Valley Meeting (31 July 2014)



Enables Engine Out recovery without leaving segregated airspace at following altitudes and glide profiles:

1000 ft per nautical mile – 4500, 5000, 5500 ft amsl

500 ft per nautical mile – 3500, 4000, 4500, 5000, 5500 ft amsl

Trial Airspace – immediate future ?

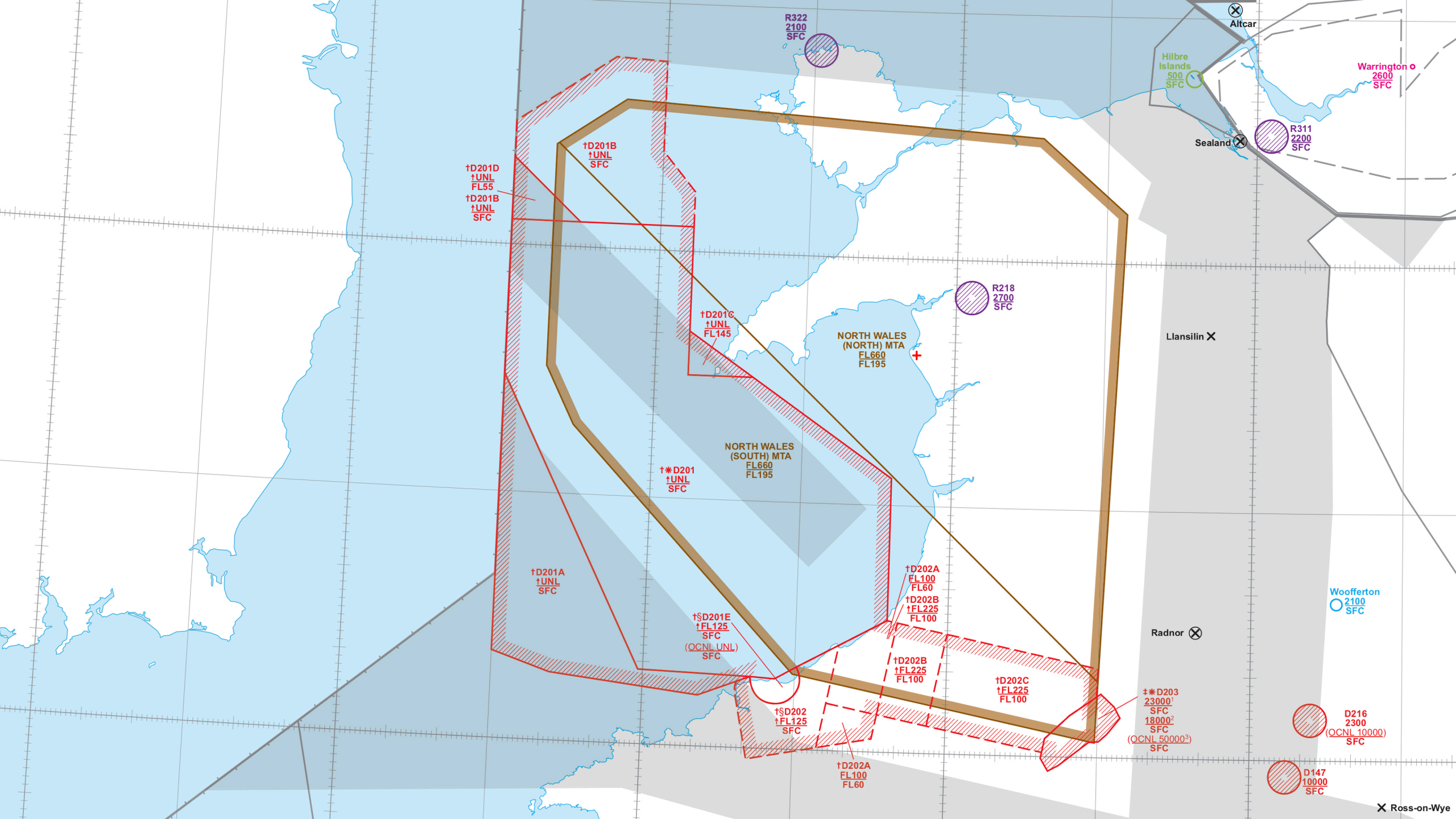
ACP - medium & long term ?

On the basis the Trial will yield performance results as it progresses this may reflect in the progressing the permanent ACP – hence mentioned now

The Trial will provide the opportunity to trial innovative airspace design potentially in shape and relative to utilisation.

The opportunity for innovative operational practice - using FIS for DACS for example and establishing safe operational practices for separation of different types of activity – fast jet – slow drone. Later, potentially levels of integrated operation using -

New technology - adsb possible TMZ VFR only – exciting opportunity for a brave New World!



R322
2100
SFC

Altcar

Hilbre
Islands
500
SFC

Warrington
2600
SFC

Sealand

R311
2200
SFC

†D201D
†UNL
FL55
†D201B
†UNL
SFC

†D201B
†UNL
SFC

R218
2700
SFC

†D201C
†UNL
FL145

NORTH WALES
(NORTH) MTA
FL660
FL195

Llangiln X

†*D201
†UNL
SFC

NORTH WALES
(SOUTH) MTA
FL660
FL195

†D201A
†UNL
SFC

†D202A
FL100
FL60

Woofferton
2100
SFC

†SD201E
†FL125
SFC
(OCNL UNL)
SFC

†D202B
†FL225
FL100

Radnor X

†D202B
†FL225
FL100

†D202C
†FL225
FL100

†*D203
23000¹
SFC
18000²
SFC
(OCNL 50000³)
SFC

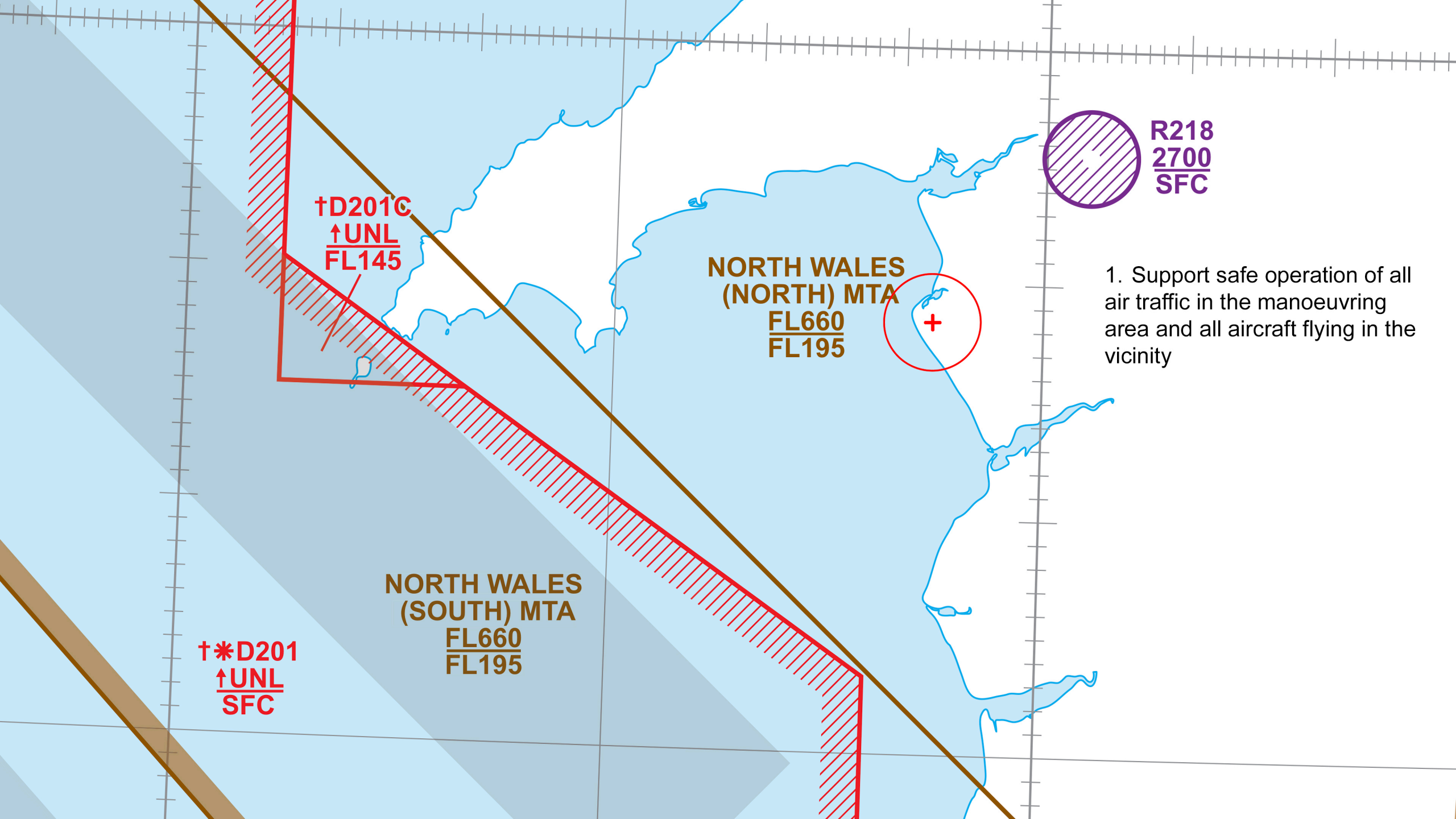
†SD202
†FL125
SFC

D216
2300
(OCNL 10000)
SFC

†D202A
FL100
FL60

D147
10000
SFC

X Ross-on-Wye



†D201C
↑UNL
FL145

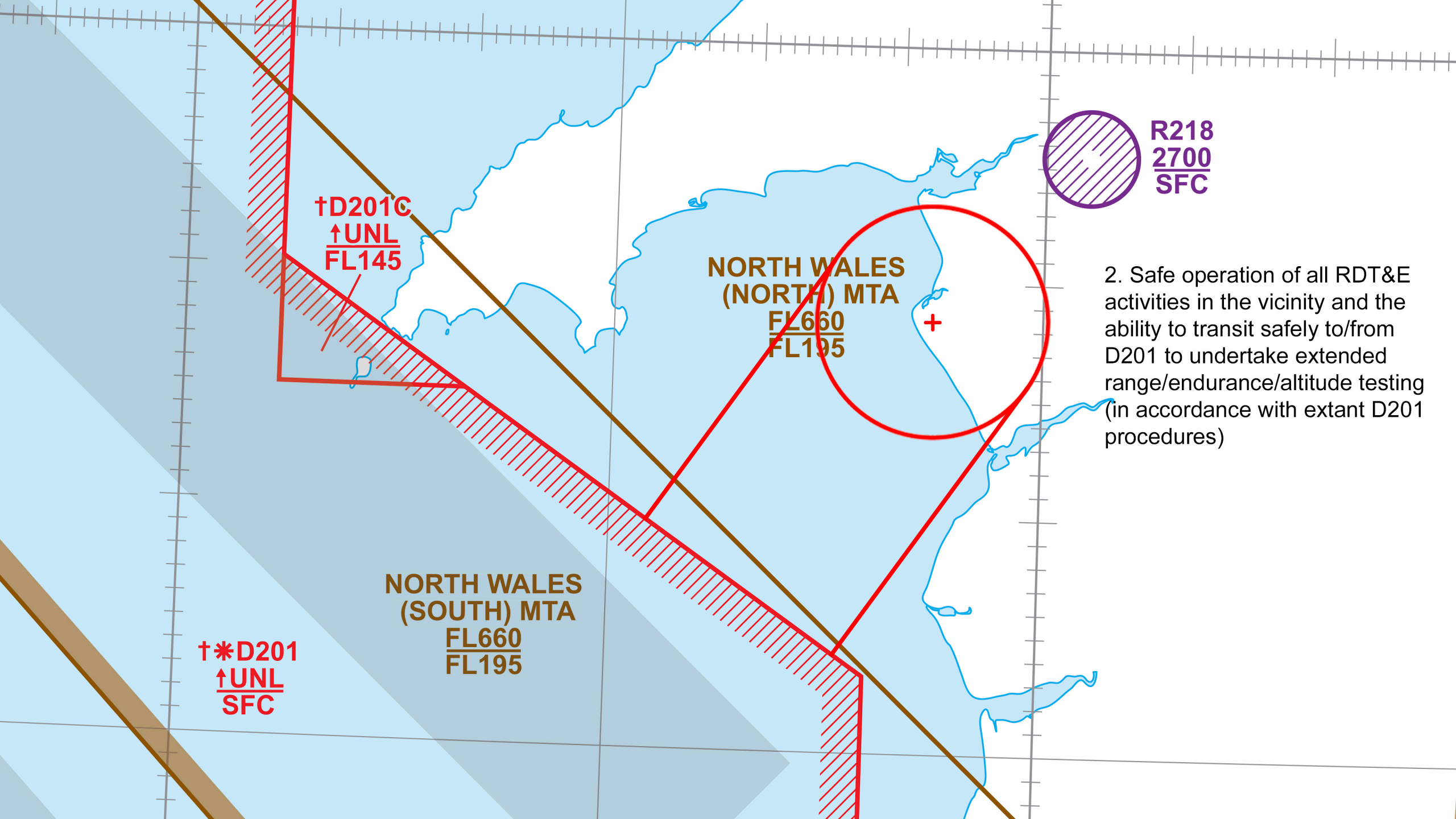
†*D201
↑UNL
SFC

NORTH WALES
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R218
2700
SFC

1. Support safe operation of all air traffic in the manoeuvring area and all aircraft flying in the vicinity



R218
2700
SFC

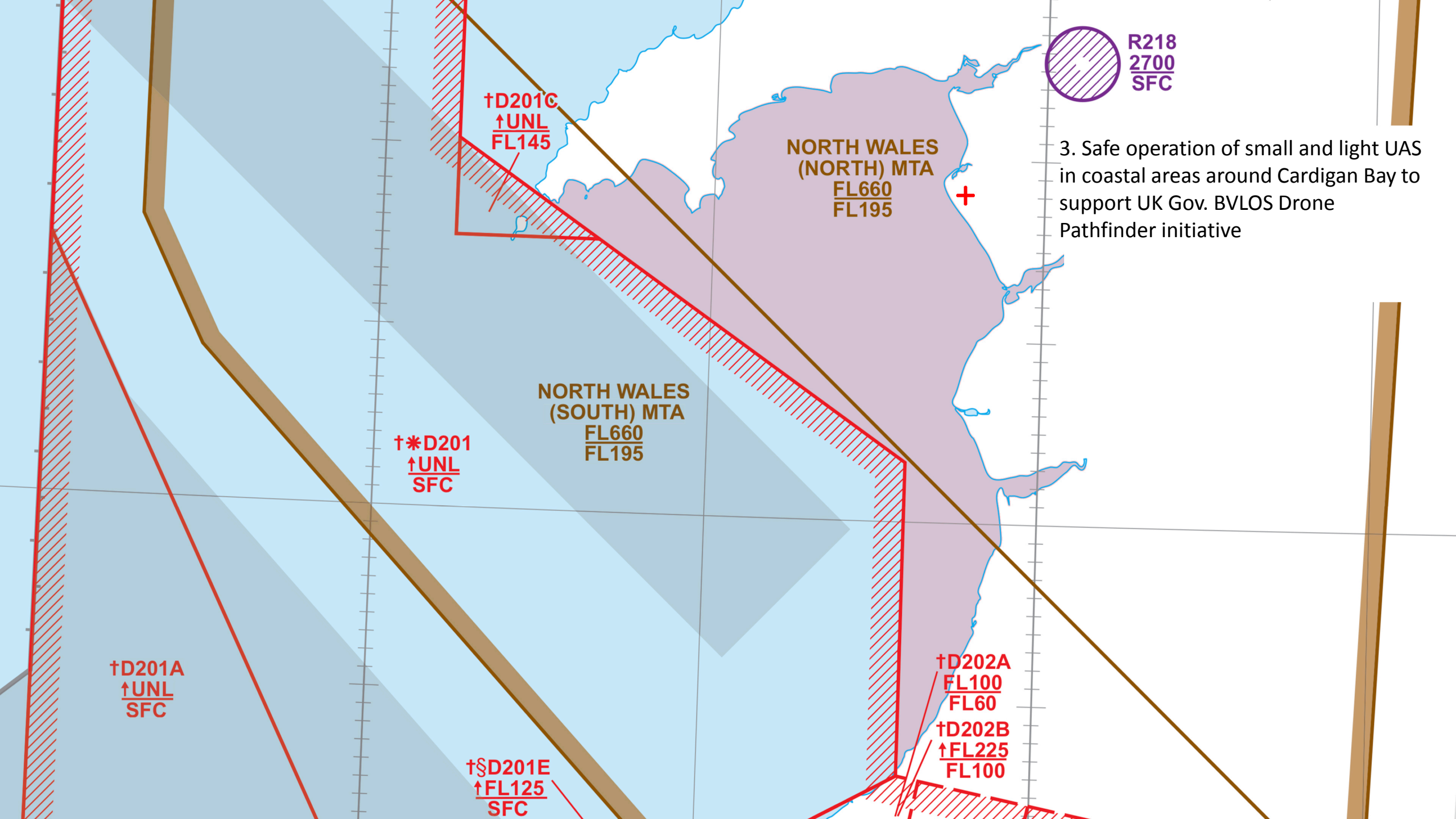
2. Safe operation of all RDT&E activities in the vicinity and the ability to transit safely to/from D201 to undertake extended range/endurance/altitude testing (in accordance with extant D201 procedures)

†D201C
↑UNL
FL145

NORTH WALES
(NORTH) MTA
FL660
FL195

NORTH WALES
(SOUTH) MTA
FL660
FL195

†*D201
↑UNL
SFC



R218
2700
SFC

3. Safe operation of small and light UAS in coastal areas around Cardigan Bay to support UK Gov. BVLOS Drone Pathfinder initiative



15 mins by drone
60 mins by car
120 mins by public transport

UK Gov. BVL Drone
Pathfinder initiative

Summary of objectives

- Proof-of-concept demo for using satellite-enabled drones in beyond visual line-of-sight (BVLOS) operations to support remote healthcare networks in rural Wales
 - implement a multiple redundant, fail-safe drone avionics architecture using satellite-based communication and navigation systems
 - engage with the Civil Aviation Authority (CAA) to agree an Operational Safety Case (OSC) for the drone demonstration activities
 - work with the Welsh Ambulance Services NHS Trust (WAST) to refine the concept of operations (CONOPS) for emergency delivery of a defibrillator

