

Participating in UK Airshows



Paul Szluha
Evaluation Oversight Officer
UK CAA

Participating in UK Airshows



UK Law

- *Civil Aviation Act 1982 – Act of Parliament*
 - *Air Navigation Order (ANO) - mandatory legal standards*
 - *ANO contains Articles - distinct legal clauses*
- *Established the UK Civil Aviation Authority*

Paul Szluha
Evaluation Oversight Officer
UK CAA

Participating in UK Airshows



Article 86

- *Legal framework concerning Flying Displays in the UK*
- *Art 86(4) a person acting as pilot of an aircraft participating in a Flying Display must hold an appropriate pilot display authorisation*

Paul Szluha
Evaluation Oversight Officer
UK CAA

Participating in UK Airshows



Civil Aviation Publications (CAP)

- *CAPs are 'guidance' documents*
- *They interpret and explain the law and regulatory requirements*
- *They set out the 'means of compliance'*
- *CAPs 403 & 1724 apply to Flying Displays*

Paul Szluha
Evaluation Oversight Officer
UK CAA

Participating in UK Airshows

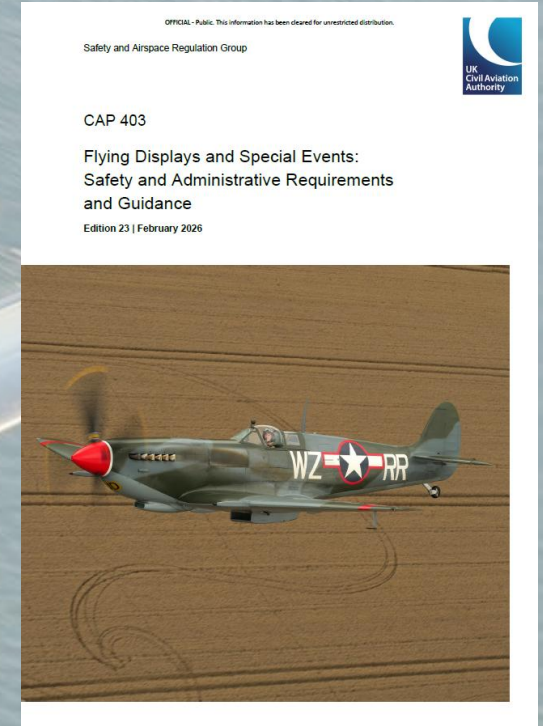


CAP 403

- *Requirements and guidance for display management*
- *Primarily a reference document for FDDs*
- ***But, for pilots it contains:***
 - *Display pilot responsibilities*
 - *Display areas*
 - *Weather minima*
 - *STOP and warning calls*

And:

- *Guidance on flight in UK airspace*



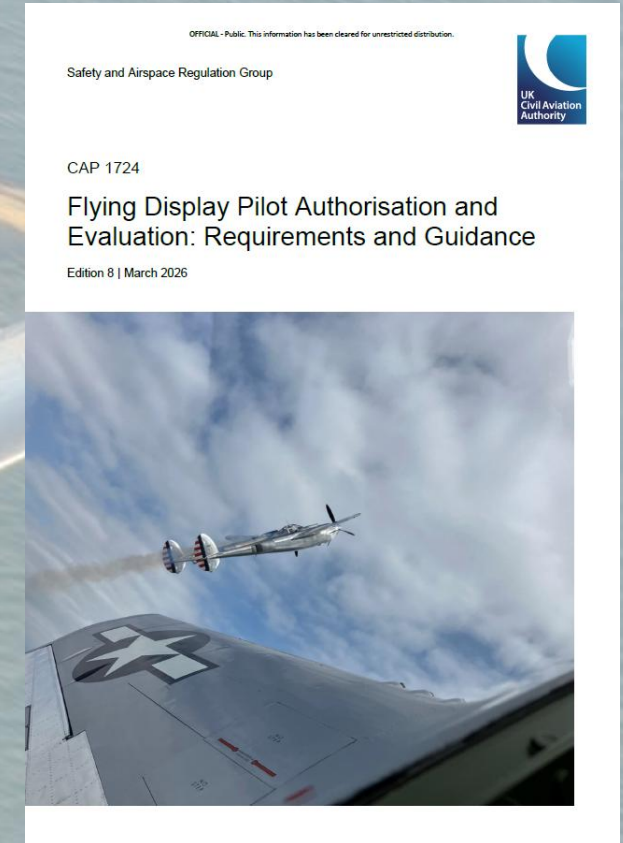
Paul Szluha
Evaluation Oversight Officer
UK CAA

Participating in UK Airshows



CAP 1724

- *Requirements and guidance for Pilot Display Authorisations (DAs) and evaluations*
- *Primarily a reference document for Display Authorisation Evaluators (DAEs) and display pilots*



Paul Szluha
Evaluation Oversight Officer
UK CAA



Participating in UK Airshows

CAP 1724

- Offers guidance and best practice
- Sets out the structure of UK DAs:
 - Aircraft categories
 - Aerobatic skill levels
 - Formation skill levels
 - Tailchase skill levels

Chapter 6
Display Authorisation - Aerobatic (a)

CAP 1724 Chapter 7 – Display Authorisation - Formation (f)

Chapter 8 – Display Authorisation - Tailchase (t)

Chapter 8
Display Authorisation - Tailchase (t)

7.1. Tailchasing skill levels

	<u>Abbreviation</u>	<u>No of aircraft</u>	<u>Description and limitations</u>
	t2	Max 2	Tailchases of up to two aircraft
	t3	Max 3	Tailchases of up to three aircraft
	t4	Max 4	Tailchases of up to four aircraft
Advanced	fA 2	Max 2	Formation manoeuvring is unlimited and includes formation aerobatics.
	fA 4	Max 4	
	fA U	Unlimited	

6.6. The permitted manoeuvres for aA aerobatic authorisations include those for aA above and the following:

Paul Szluha
Evaluation Oversight Officer
UK CAA

Participating in UK Airshows



CAP 1724

- *Sets out:*
 - *Minimum currency requirements (prior to display)*
 - *DA Validity and renewal requirements*
 - *DA Evaluation content*

Paul Szluha
Evaluation Oversight Officer
UK CAA

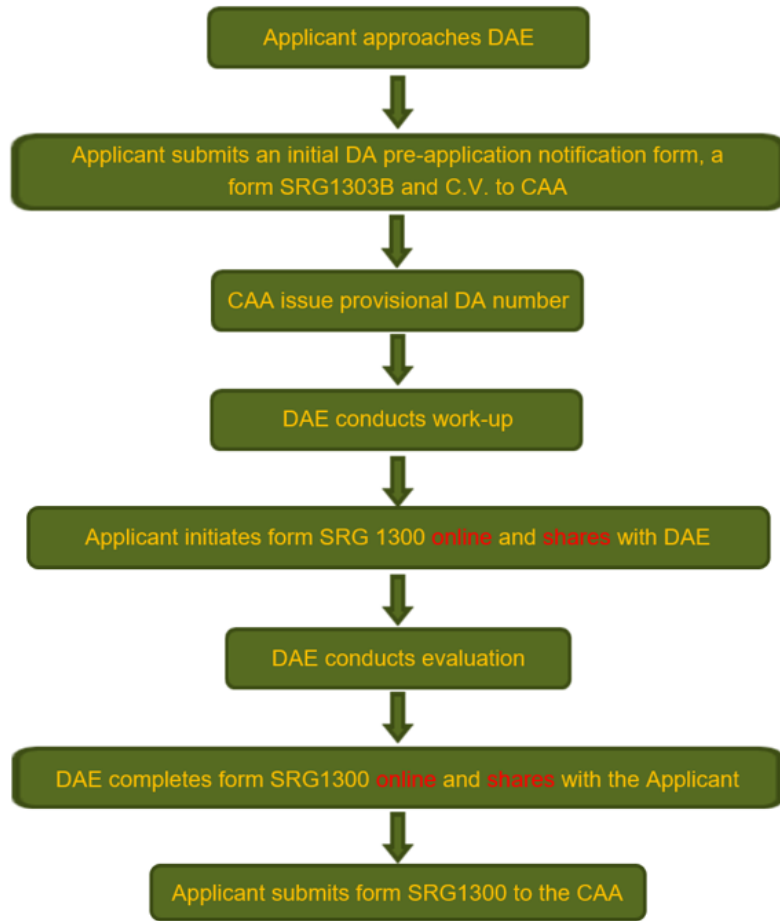


Participating in UK Airshows

CAP 1724

- *Contains the process to be followed in obtaining a UK DA*

DA initial application



Paul Szluha
Evaluation Oversight Officer
UK CAA



Participating in UK Airshows

Obtaining a UK DA

- *Step 1: Find a DAE*
 - *DAEs are appointed by CAA*
 - *SMEs*
 - *Act on behalf of the CAA*
- *Ask the FDD for help*
- *Link to a list of DAEs in Appendix G*

DA initial application

Applicant approaches DAE



The following is a list of Display Authorised Evaluators (DAEs) that have been authorised by the CAA. The list is not exhaustive and contains only the names of those whose consent has been received by the CAA for the purpose.

The list will be updated once a year following an annual DAE review.

Name	Location	Categories	Skill Levels	Email address
Mr G Allison	Somerset	A, B, C (Swordfish only)	aS, fB, t4	glenn.allison.t21@btinternet.com
Mr D Barrell	Rendcomb	A, B	aS (al Stearman), aS, fA, t4	dlhbarrell@gmail.com
Mr G Barton	Norfolk	A, B, L, M	aA, fA, t4	gabrielb.redstar@gmail.com
Mr J Beattie	Somerset	A, B, C, G1, L, M	al, aRA fA, t4	john@panxworth.com

Paul Szluha
Evaluation Oversight Officer
UK CAA

References

Baines Simmons	FAiR
CAA Fitness of Character Policy	Fitness of Character
CAA General Aviation Unit (GAU) website	GAU
CAA HF strategy	HF Strategy
CAA Human factors in air displays	Human factors in air displays

List of authorised display pilot evaluators

DAEs

Picture: Darren Harbar

Participating in UK Airshows

Obtaining a UK DA

Applicant submits an initial DA pre-application notification form, a form SRG1303B and C.V. to CAA

- Step 2: Complete and submit an initial DA pre-notification form (DAN) (link at Appendix G)
- The form asks
 - Motivation
 - Experience levels
 - Three references
 - Aircraft type, DA category and skill level

Aircraft type, DA Category and Skill Level

Please provide details of the aircraft type, the DA Category and the skill level you aspire to for your initial issue DA (definitions of DA Categories and skill levels can be found in CAP 1724).

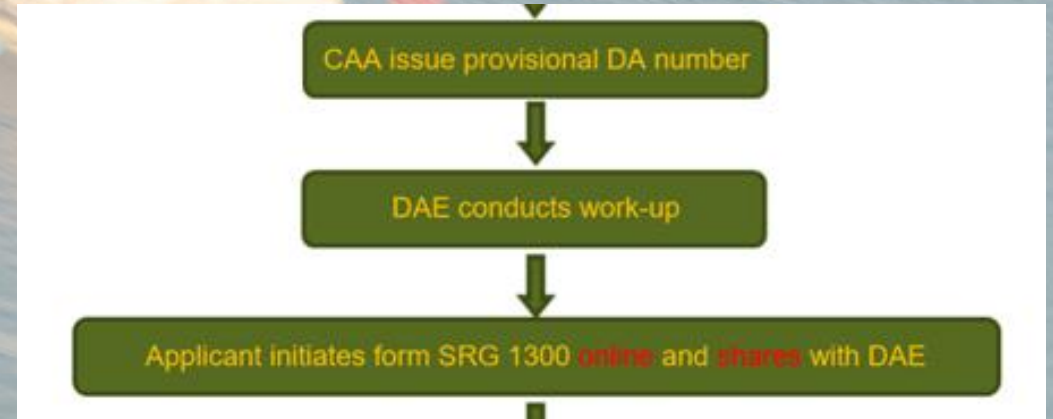
Aircraft Type *	DA Category *	Skill Level *
Single engine aeroplane X	Aircraft X	Well trained X

Paul Szluha
Evaluation Oversight Officer
UK CAA

Participating in UK Airshows

Obtaining a UK DA

- *Once the DAN has been processed, we issue a provisional DA Number*
- *Work-up with DAE (if required)*
- *Start a form SRG1300 and 'share' with DAE (ask DAE for help)*



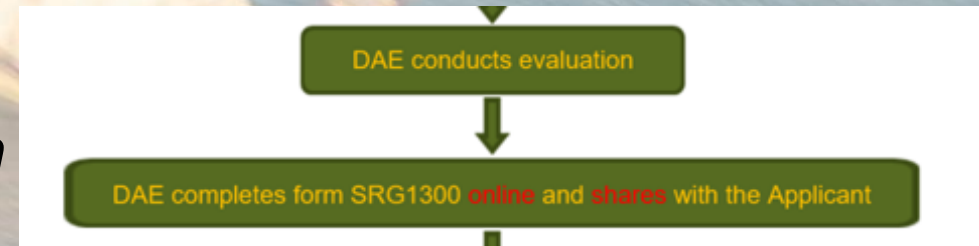
Paul Szluha
Evaluation Oversight Officer
UK CAA



Participating in UK Airshows

Obtaining a UK DA

- DAE then conducts the DA Evaluation
 - Documents check
 - Oral evaluation
 - Pre-flight brief
 - Flight demonstration
 - Post flight debrief
- Appendix C



Appendix C – DAE Evaluation Checklist

Item	Topic	Guidance	SAT	UN SAT	N/A	Comments
PRE-EVALUATION DISCUSSION AND DOCUMENTS CHECK						
1	Previous DAE engagement	Discuss any other DAE engagement, by the applicant, made in connection with the required evaluation and the explore the reasons for not continuing with that DAE(s).				
2	Certificates and Ratings	Check pilot and aircraft documentation and / or SRG1327				
3	Aircraft	Check pilot's C of G calculation for evaluation flight.				
		Discuss specific airframe & engine limitations				
4	Location	If required, check that a valid Permission is in place to conduct the activity and brief accordingly. Brief any local restrictions.				
GROUND ASSESSMENT AND DISCUSSION						
5	Regulatory Knowledge	Discuss, as appropriate, applicable regulation including a thorough understanding of: <ul style="list-style-type: none"> - minimum lateral separation distances - minimum heights - acceptable profiles for arrivals and departures at Flying Displays 				

Participating in UK Airshows



Obtaining a UK DA



- *Upon satisfactory evaluation*
 - *The DAE will complete his recommendation on form SRG1300*
 - *The DAE will 'share' the form with the candidate*
 - *The candidate will submit the form and pay the fee*

Paul Szluha
Evaluation Oversight Officer
UK CAA

Participating in UK Airshows



Obtaining a UK DA

- The form must be submitted within 14 days of the evaluation*
- 28 days must be allowed for processing and DA issue*
- Shorter timescales may be possible with prior engagement*

Paul Szluha
Evaluation Oversight Officer
UK CAA

Participating in UK Airshows



UK DA Exemptions

- *Intended only for use in “urgent unforeseeable circumstances or urgent operational needs” or exceptional / unique occasions*
- *Not intended for use at multiple events*
- *Obtaining a full UK DA **must** always be the first option*

Paul Szluha
Evaluation Oversight Officer
UK CAA

Participating in UK Airshows



UK DA Exemptions

Foreign civilian display pilot / team application

Applicant obtains agreement from a UK DAE who is prepared to act as a DAE sponsor

Applicant completes and submits forms SRG 1328 and SRG 1303B

CAA processes forms SRG 1328 and SRG 1303B

CAA contacts nominated DAE Sponsor and agrees depth of evaluation and timescales required

CAA contacts applicant to notify application status (i.e. acceptable / unacceptable) and to request a formal evaluation to be carried out by the DAE sponsor

DAE sponsor conducts evaluation

DAE completes and submits form SRG 1329

Paul Szluha
Evaluation Oversight Officer
UK CAA

Participating in UK Airshows



Other considerations

- *Does your aircraft require a Permission or Exemption to fly in UK airspace?*
- ***Exemption*** required for aircraft that:
 - *Have a non-ICAO compliant registration (e.g. Military markings)*

Paul Szluha
Evaluation Oversight Officer
UK CAA

Participating in UK Airshows

Other considerations

- *Does your aircraft require a Permission or Exemption to fly in UK airspace?*
- *Permission required for aircraft that:*
 - *Are not 'G' registered; **and***
 - *Do not hold a valid ICAO compliant C of A*

Note: Certain aircraft are covered under a General Exemption

Paul Szluha
Evaluation Oversight Officer
UK CAA

Participating in UK Airshows



Other considerations

Aircraft Permissions and Exemptions

- *Online applications (link in CAP 403)*
- *The CAA aims to issue within 5 working days*
- *A same day service is available*
- *Valid for 28 days in any 12-month period*

Paul Szluha
Evaluation Oversight Officer
UK CAA

Participating in UK Airshows



Other considerations

- Will your aircraft exceed 250kts in UK airspace?*
- A specific Approval to exceed the SERA.6001 speed limitation will be required (i.e. >250kts below 10,000 feet AMSL)*

Paul Szluha
Evaluation Oversight Officer
UK CAA

Participating in UK Airshows



Other considerations

250 Approval

- Links to the application form are in both CAPs 403 and 1724*
- A 'safety assessment' must be submitted with the application*
- Guidance for the completion of a suitable 'safety assessment' can be found in CAP 632*

Paul Szluha
Evaluation Oversight Officer
UK CAA

Participating in UK Airshows



Top Tips

- *Help yourself by:*
 - *Familiarising yourself with UK requirements*
 - *Pro-actively engage with the FDD(s)*
 - *Engage with us (CAA) early – tell us your plans*
- ***DO NOT LEAVE IT UNTIL THE LAST MINUTE***

Paul Szluha
Evaluation Oversight Officer
UK CAA

Participating in UK Airshows



QUESTIONS

Paul Szluha
Evaluation Oversight Officer
UK CAA