

# Air Display Risk Assessments



**Group Captain 'Raz' Berry**  
**Test & Evaluation and Special Tasks**  
**Military Aviation Authority**

- Why might it be important?
  - Make a Risk Assessment genuinely useful.
  - FDD/EO – GO/NOGOs and decision making “contract”.
  - The world looks up to you.



1. Pilots to be correctly authorised in accordance with (iaw) current CAA and/or MAA Rules for Display Flying including DA or PDA. Aircraft to be correctly covered by Airworthiness Certificates / Permits to Fly/RTS.
- 2 Displays to be flown iaw CAA Permissions or Military PDAs and Regulations which stipulate minimum distances from crowd and overflight of any buildings which may be populated. Any flight outside Display Area to be flown iaw SERA. The Display Area has a minimum display height of 200' AMSL, or Display Authorisation minimum, whichever is most restrictive.
3. A crowd rear arrival will only be permitted for teams with current and valid Exemption. Display Area is set over open water, with limited hazards and no buildings or significant population. Harbour Master will impose a Maritime Exclusion Zone and publish a Notice to Mariners, reducing harbour movements during the display period. Safety vessels will be present to assist in providing security to the MEZ. (See 1.c)
4. Procedures in CAP 403 or RA2335 including separation distances and weather minima to be adhered to. FDD and FCC to monitor aircraft flightpaths and advise of any required corrective action by RT. FDD and FCC to monitor crowd line and advise aircraft accordingly. Crowd Line formed by water based buoys set beyond the required minimum to take into account low tide times, 150m line set from the end of the Pier. Pilots notes and Operations order produced providing clear instructions and guidance for displaying crews.
5. Display programme to provide adequate separation between display items to allow further deconfliction between displaying aircraft. Programme provided to participating crews.
6. Weather conditions monitored, and each pilot/Team given confirmation of the current QNH, wind speed and direction before commencing their display. Bird formations and movements to be monitored by the FDD and pilots advised of any movement which looks to endanger the displaying aircraft. Air Ground Service at the FDD Position.
7. The Event notified by DAP 1920(D) and NOTAM'd accordingly. CAA approval to cover the Event under a Permission granted under Article 86 of the ANO. Event notified in Aviation Press and Online Media. RA(T) in place for the event and promulgated through normal channels. <Nearby> Airport provide LARS service and fully briefed and aware of movements and programme times.
8. Aircraft captains are required to inform the FDD in CAP 403, SRG 1327 Pt 2 of any Hazardous Material, or equipment such as ejection seats, contained in the displaying aircraft and the means whereby information on dealing with this material/equipment can be obtained in the event of a crash or safety incident. This information will be disseminated by the FDD to all safety personnel. Emergency Services on site, with an Event Control Set up and waterborne emergency services on standby, including divers to respond also.

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Yellow = default assumption

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Blue = activity required by someone else

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	Default mitigations	Ensured by	Assured by	Venue specific mitigations	Ensured by	Assured by
<b>ESSENTIAL.</b>  Display NOGO if not in place	Pilots to be correctly authorised including DA or PDA	CAA	FDD	Crowd Line formed by water based buoys	Hbr master	FCC 1
	Aircraft captains inform the FDD of any Hazardous Material	Ac Capt's	FDD	Pilot/Team given confirmation of the current QNH	FCC 2	FDD
<b>HIGHLY DESIRABLE</b>  FDD liaise with EO	Event notified in Aviation Press and Online Media.	CAA	FDD	Safety vessels will be present to assist in providing security to the MEZ.	Hbr master	FCC 1
<b>DESIRABLE</b>  FDD discretion				<Nearby> Airport provide LARS service	Airport	FCC 2

Compiled by: Mr Johnny F Deedee

Approved by: Ms Hyacinth E Oh



Destroy

41(R) Squadron  
Seek and Destroy

100th  
Anniversary  
1916  
St Omer  
2016  
Catterick

30 ✦ 68

Luftwaffe

AIRPLANE PICTURES  
CREATIVE AVIATION