

RA 1150 - Airborne Equipment and Airborne Forces ►◄

Rationale

When Airborne Equipment¹ (AE) is employed there is potentially an associated Risk to Life (RtL). The RtL can be mitigated by application of selected regulations designed for Air Systems to the AE itself and the Airborne Forces (AF) Community² that use it.

Contents

1150(1): Application of Regulations ►◄

Regulation 1150(1)

Application of Regulations ►◄

1150(1) As a minimum, the AF Community **shall** comply with MAA
►◄ Regulations detailed at Annex A ►◄.

Acceptable Means of Compliance 1150(1)

Application of Regulations ►◄

1. The AF Community **should** refer to the Acceptable Means of Compliance in the applicable Regulations listed at Annex A.

Guidance Material 1150(1)

Application of Regulations ►◄

2. AE is not defined as an Air System. The Regulations referenced in this RA were specifically written with respect to Air Systems; however, their intent is equally applicable to AE and also to the risk management framework necessary to allow Aviation Duty Holders (ADH) and other members of the AF Community to ensure RtL is managed appropriately.

3. Guidance regarding AE and AF Duty of Care and ADH responsibilities is contained in Annex B.

4. ►◄

¹ ► Refer to MAA02: Military Aviation Authority Master Glossary. ◄

² The AF community is defined as those organizations and personnel employed in the delivery of the UK's AF capability, as operators or in an engineering or other supporting role; it encompasses Aviation Duty Holders (ADH), Defence Equipment and Support and other AF Stakeholders.

ANNEX A

AE AND AF REGULATORY ARTICLE APPLICABILITY MATRIX

Applicable Regulatory Article	ADH	DE&S	Other AF Stakeholders
RA 1002 - ► Airworthiness ◄ Competent Persons	X	X	X
RA 1003 - Delegation of Airworthiness ► Authority ◄ and Notification of Air Safety Responsibility ► ◄		X	
RA 1005 - Contracting with Competent Organizations	X	X	X
RA 1006 - Delegation of Engineering Authorizations	X	X	X
RA 1012 - Chief of Materiel (Air) - Air Safety Responsibilities		X	
RA 1013 - ► ◄ Air Systems Operating Centre Director - Provision of Airworthy and Safe Systems		X	
RA 1014 - Design Organizations and Co-ordinating Design Organizations - Airworthiness Responsibilities		X	
RA 1015 - Type Airworthiness Authority - ► Roles and ◄ Responsibilities		X	
RA 1016 - ► Military ◄ Continuing Airworthiness ► Management ◄	X		
RA 1017 - Maintenance Organizations - Airworthiness Responsibilities	X	X	X
RA 1018 - Production Organization - Airworthiness Responsibilities		X	X
RA 1020 - ► ◄ Aviation Duty Holder and Aviation Duty ► Holder-Facing Organizations - Roles and Responsibilities ◄	X	X	X
RA 1021 - Release To Service Authorities – Roles and Responsibilities			X
RA 1022 - ► Senior Operator - ◄ Roles and Responsibilities ► ◄	X		
RA 1023 - Chief Air Engineer - Air Safety Responsibilities	X		
RA 1130 - Corporate Memory and Standards	X	X	X
RA 1140 - ► ◄ Air System Technical Data Exploitation	X	X	X
RA 1200 - Defence Air Safety Management	X	X	X
RA 1205 - Air System Safety Cases	X	X	X
RA 1210 - Ownership and Management of Operating Risk (Risk to Life)	X		
RA 1220 - ► Delivery ◄ Team Airworthiness and Safety		X	
RA 1225 - Air Safety Documentation Audit Trail	X	X	X
RA 1230 - Design Safety Targets	X	X	
RA 1240 - Chartering of Civilian ► Air Systems ◄ For Military Purposes	X	X	X
RA 1320 - ► Withdrawn ◄	► ◄	► ◄	► ◄
RA 1330 - Special Clearances	X	X	X
RA 1340 - Equipment Not Basic to the Air System	X	X	X
RA 1345 - The Airborne Equipment Release Certificates	X	X	X

Applicable Regulatory Article	ADH	DE&S	Other AF Stakeholders
RA 1370 - Release To Service Configuration Control and Audit Trail	X	X	X
RA 1400 - Flight Safety	X	X	X
RA 1410 - Occurrence Reporting	X	X	X
RA 1420 - Service Inquiries; Air Accident and Significant Occurrence Investigation	X	X	X
RA 1430 - Aircraft Post Crash Management and Significant Occurrence Management	X		X
RA 1440 - Air Safety Training	X	X	X

ANNEX B

AE AND AF DUTY OF CARE AND AVIATION DUTY HOLDER RESPONSIBILITIES

Parachutists ¹	Airborne Equipment ²	Aircraft Nationality ³	Risk and Duty Holder of parachuting activity
UK Armed Forces	UK cleared equipment	UK Armed Forces ⁴	Parachutists' Risk to Life Held by AE Operating Duty Holder (ODH)
UK Armed Forces	UK cleared equipment ⁵	Non-UK	Parachutists' Risk to Life Held by AE ODH
UK Armed Forces	No UK clearance	Non-UK	Duty of Care held by AF 2* Commander within Parachutists' Front Line Command (FLC) ⁶
UK Armed Forces	No UK clearance	UK Armed Forces	Duty of Care held by AF 2* Commander within Parachutists' FLC ⁷
Armed Forces personnel (non-UK)	UK cleared equipment	UK Armed Forces	Parachutists' RtL Held by AE ODH ⁸
Armed Forces personnel (non-UK)	No UK clearance	UK Armed Forces	ODH or FLC relates to ADH/Air System RtL ⁹ AE ODH SQEP to advise FLC
Armed Forces personnel (non-UK)	UK cleared equipment ⁵	Non-UK	Parachutists' RtL Held by AE ODH ¹⁰ AE ODH SQEP to advise FLC

¹ Parachutists are required to be trained on the AE which they will be using.

² UK cleared equipment refers to airborne equipment that is authorised for despatch from the ►Air System◄ by an Airborne Equipment Release Certificate (AERC) or Operational Emergency Clearance or Cleared with Limited Evidence for British ►Air Systems◄ and the appropriate means for NATO or non-NATO ►Air Systems.◄ For the purposes of this RA, risk management and ►ADH◄ responsibilities of AE undergoing Air Warfare Centre trials is to be treated in the same way as UK cleared AE.

³ It has been assumed that the AE has been cleared for use in the ►Air System,◄ whether British, NATO or non-NATO.

⁴ This includes ►Air Systems◄ chartered and assured in accordance with RA 1240. To offset for a paucity in the availability of military ►Air Systems,◄ elements of MAB training, RAF Falcons Parachute Display Team activities and non-O₂ elements of Air Concentration Exercises are conducted by chartering ►Air Systems.◄

⁵ If AE is to be used outside the scope and limitations of its AERC, MAA03 ►(Military Aviation Authority Regulatory Processes)◄ will be consulted for direction on the application of Alternative Acceptable Means of Compliance, Waivers and Exemptions.

⁶ The 2* Commander within the Parachutist FLC will seek AE ODH Suitably Qualified and Experienced Person (SQEP) direction and guidance.

⁷ Variations in deployment type, equipment capabilities and, or, assessments of training requirements will seek AE ODH SQEP advise.

⁸ FLC responsibility includes ensuring the parachutist(s) have written approval and indemnity from their Government, are endorsed to undertake the task(s) they are presented for and are physical fit to do so.

⁹ There is additional expansion of policy regulation in this area within STANAG 7190 AT Ed. 2 (applicable to NATO nations only), Operations Director (Jt Cap) and in 2 Gp Air Staff Orders (ASO).

¹⁰ There is additional expansion of policy regulation in this area within STANAG 7190 AT Ed. 2 (applicable to NATO nations only), Operations Director (Jt Cap) and in 2 Gp ASO. The mechanism for AE ODH oversight and a process for understanding the division of responsibility between the ODH and FLCs is to be in place prior to conducting the activity as outlined in RA 2355.