

DEF STAN 00-970 NOTICE OF PROPOSED AMENDMENT (Def Stan 00-970-NPA)

TITLE OF PROPOSAL: Amendment to Part 13 Section 3 Clause 3.16.41

Stage of Amendment: Issue 1

Def Stan 00-970 NPA Serial No:	2013-005
Unsatisfactory Report Serial No:	2013-005
MAA Originator:	C2 R A Bennett-Jones MAA-Cert-ADS1a

Affected Part:
 (including paragraphs) Part 13 Section 3 Clause 3.16.41 and 3.16.43

Cross-reference to other
 relevant amendment
 proposals or documents:

ADS Point of Contact details	
Rank/Grade and Name:	As above
Telephone Number mil/civ;	9679 35109 030 679 35109
Civilian Email address:	MAA-Cert-ADSGroup@mod.uk .

Part 1 (for issue to User Community)

INTRODUCTION (Not more than 250 words)

Enter here a brief explanation of why NPA is being issued, i.e. what does the amendment hope to achieve, by when and how:

The new text will be clearly identifiable within Annex A.

DIRCM should not be classed as a weapon system. DIRCM has no explosive related safety implications for its host aircraft as it contains no explosive material. Part 13 Sect 3.1 and 3.2 are

intended to be applied to traditional weapon systems that can be carried, released or jettisoned. DIRCM is not a store or armament as defined by the Def Stan and not a weapon in the traditional sense. The system EA has confirmed that it confuses a missile seeker causing it to steer off course. It does not have sufficient power to cause physical damage. The safety requirements for DIRCM are not prejudiced by this deletion as equipment and personnel safety are adequately covered within Part 13 Section 3.16 under the DIRCM heading.

SUMMARY OF PROPOSED AMENDMENT

Change: *See Annex A*

Impact Assessment:

Objective: To clarify the requirements for DIRCM.

Risk Assessment: The impact of not incorporating the recommended changes is the possibility of misinterpretation of the requirement

Courses of Action.

1. **Do nothing.** The option to do nothing is not desirable for the following reason. Not incorporating the changes will result unnecessary work.
2. **Partial Amendment** Due to the minor nature of the change partial amendment is not considered.
3. **Full Amendment.** There is no reason that full implementation of all the changes should not be completely feasible. The changes will remove the additional work required to comply with the 00-970 Clauses and provide clarity. Retrospective mandate is not considered necessary.

Preferred Course of Action. Amendment

Costs and Benefits:

1. **Do nothing.** There is no benefit of the do nothing option, which could result in increased cost to the department in confirming compliance with Def Stan 00-970.
2. **Partial Amendment. No Benefit.**
3. **Full Amendment.** Full amendment will clarify Def Stan 00-970 Part 1 and will reduce ambiguity, possibly resulting in improved overall compliance with the document. The changes proposed here represent current practice and would have no or little economic impact.

Consultation period ends: 11/Nov/2013

The consultation period for this proposed amendment ends on the stated date. Please send your feedback via email to MAA-Cert-ADSGroup@mod.uk.

Part 2 (for MAA internal use)

Log of Comments (to be completed once the consultation period has ended).

Comment reference	Date	From (name)	Post	Précis or Topic of Comment	MAA Response

Recap of Proposal: *A short summary of the proposal amendment including what changes were incorporated following the consultation period.*

Recommendation. *This section will be completed once all the comments have been received. The recommendation is for the relevant Head of Division to approve the proposal.*

Approval. *This section will detail exactly what has been approved and by whom, and confirm the date for the amendment to be incorporated as well as the date the NPA should be reviewed to determine what the effects of the amendment were in terms of meeting the objective of the change, if there were any unintended consequences and establishing whether the estimated costs were correct.*

Accepted changes will be authorised at the following levels:

- Changes requiring retrospective mandate: 2 *
- Changes not requiring retrospective mandate but having a significant engineering impact: 1*
- Changes not requiring retrospective mandate but having a Minor engineering impact: Head of ADS.
- Changes deemed as administrative only: C1 or Equivalent.

Approved by:

Signature:	
Name:	
Rank/Grade:	
Post:	
Date signed:	
Date for amendment to be incorporated:	



Part 3 - NOTIFICATION OF AUTHORIZED AMENDMENT (Def Stan 00-970 NAA)

Document Part:		Sub-Part:	
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Unsatisfactory Report Reference:		NPA Reference:	
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Originator:		Date:	
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Amendment to be Incorporated on	XX/XXX/XX
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APPROVAL

This Def Stan 00-970 NPA has been approved by the xxxx on behalf of DG MAA

INCORPORATION

The amendment will be incorporated in....

Signed (IAW with part 2).

for DG MAA

Annex A

Existing Text

REQUIREMENT	COMPLIANCE	GUIDANCE
3.16.41 DIRCM is regarded as a weapon system (but without explosive stores), thus the relevant elements of Part 13, Sections 3.1 and 3.2 apply.		High power lamp or laser sources can cause injury, including eye injury. Un-commanded firing, in particular on the ground, must be prevented. The eye-hazard range of such systems can be very large, and must be understood by users.
3.16.42 DIRCM transmissions shall not prejudice other DAS elements, other aircraft systems, or aircraft operation.	Any adverse effects, however brief or minor, shall be quantified.	Effects such as dazzling of sensors shall be minimised. Safety of parachutists, safety during pallet drop and safety during aerial refuelling must be considered.
3.16.43 Safety of aircrew and ground personnel must be ensured.	Appropriate procedures must be defined.	High power lamp and laser sources can cause injury. Uncommanded operation on the ground must be prevented. The eye-hazard range of such systems can be very large, and must be understood by maintainers and testers. Consider safety of maintainers etc., also consider crew entry and exit from the platform, including emergency escape.



Proposed Text

REQUIREMENT	COMPLIANCE	GUIDANCE
<p>3.16.41 — DIRCM is regarded as a weapon system (but without explosive stores), thus the relevant elements of Part 13, Sections 3.1 and 3.2 apply.</p>		<p>High power lamp or laser sources can cause injury, including eye injury. Un-commanded firing, in particular on the ground, must be prevented. The eye-hazard range of such systems can be very large, and must be understood by users.</p>
<p>3.16.42 DIRCM transmissions shall not prejudice other DAS elements, other aircraft systems, or aircraft operation.</p>	<p>Any adverse effects, however brief or minor, shall be quantified.</p>	<p>Effects such as dazzling of sensors shall be minimised. Safety of parachutists, safety during pallet drop and safety during aerial refuelling must be considered.</p>
<p>3.16.43 Safety of aircrew and ground personnel must be ensured.</p>	<p>Appropriate procedures must be defined.</p>	<p>High power lamp and laser sources can cause injury. Uncommanded operation on the ground must be prevented. The eye-hazard range of such systems can be very large, and must be understood by maintainers and testers. Consider safety of maintainers etc., also consider crew entry and exit from the platform, including emergency escape. See JSP 390 for Military Laser Safety Requirements.</p>