

Brimstone Missile Logbook

Missile Serial Number:

NSN:

Variant:

Platform Restriction of Use:

Register of Logbooks Raised

Serial Number	Unit	Name	Date	Serial Number	Unit	Name	Date
01				05			
02				06			
03				07			
04				08			

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Section A - Brimstone Particulars

Missile Serial Number	
NATO Stock Number	
Missile Variant	
Container Serial Number	
Datalogger Serial Number	
Software Version	
Seeker Serial Number	
Additional Notes	
Date of Next Level 3 Maintenance	

Section B - Brimstone Lifer Items

Service Life Expiry	Service Life Extension Date	Date Applied	Rank/Grade and Name	Signature

Part Number	Description	Serial Number	Fill Date	Life Expiry
	Seeker			
	FWD Warhead			
	MAIN Warhead			
	Thermal Battery			
	Rocket Motor			

Section D - Operational Life Log

a	b	c	d	e	f	g
Storage Location	Date Storage Started	Date Storage Ended	Operational Life (Days)			Climate Category*/Remarks *Brimstone 2 in A1/B3 accrues 2 days for every day
			Elapsed	Cumulative	Remaining	
Total Brought Forward						
Total Carried Forward						

Section E - Standby Life Log

a	b	c	d	e	f	g
Storage Location	Date Storage Started	Date Storage Ended	Standby Life (Days)			Climate Category*/Remarks *Brimstone 2 in A1/B3 accrues 2 days for every day
			Elapsed	Cumulative	Remaining	
Total Brought Forward						
Total Carried Forward						

Section F - Air Carriage Log

a	b	c	d	e	f	g		h	
Date	Aircraft Type	Aircraft Serial No.	Aircraft Station No.	Launcher Serial No.	Rail Number	Total Air Carriage Hrs (hh:mm)		Total Over-Temp Exposure (hh:mm)	
						Elapsed	Cumulative	Elapsed	Cumulative
Total Brought Forward									
Total Carried Forward									

Section G - Gun Fire

a	b	c	d	e
Location	Date	Aircraft Serial No.	Rounds Fired	
			Fired	Cumulative
Total Brought Forward				
Total Carried Forward				

Section H - AURC Humidity Indicator Inspection Log

a	b	c
Date	S / U/S	N/A / Replace / Monitor

a	b	c
Date	S / U/S	N/A / Replace / Monitor

a	b	c
Date	S / U/S	N/A / Replace / Monitor

Section I - AURC Datalogger Log

a	b	c
Date of Download	File Name	Date Next Due

a	b	c
Date of Download	File Name	Date Next Due

Section J - Brimstone Fault Log**MOD Form 714(Brimstone Missile)**

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a	b	c	d
Date	F760 Reference Number	Fault Description	F760 Closure Date

Section K - SI(T), Concession, Modification and Maintenance Record (Including Software)

a	b	c	d	e
Date	Location	MWO Ref	SI(T)/Concession	Description of Task

Section L - Expenditure Log Firing Record

Date	
Operation/Exercise	
Aircraft Type	

Disposal Record

Date	
Location	
Disposal Authority	

Firing/Disposal Sign Off

Name		Unit Stamp
Rank		
Signature		
Date		

Instructions for Use

Brimstone Missile Log - MOD Form 714(Brimstone Missile)

General

1. This form is to be used to record usage and other details of the Brimstone missile throughout the asset's life as follows:

- This Log is to be raised by MBDA or Defence Munitions (DM) on behalf of the Fleet Manager prior to the missile being issued.
- This Log is to be held within the Brimstone All Up Round Container (AURC) document port, during transit only.
- All entries are to be legible and made in black ink.

Raising a Logbook

2. **Initial Logbook.** The individual raising the initial Logbook is to enter their details against 'Serial No. 01' in the 'Register of Logbooks Raised' and enter "01" against the 'Logbook Serial Number' Line. The missile details on this page and all applicable Sections of the form are then to be completed as described in **Paragraphs 3 to 13** inclusive.

3. **Additional Logbook.** If a Section on the initial or subsequent Logbooks becomes full an additional Logbook is to be raised by the user as follows and the required Sections completed:

- On the new MOD Form 714(Brimstone Missile) enter the sequential 'Logbook Serial Number' and update the 'Register of Logbooks Raised'.
- Update the 'Logbook No.' at the bottom of each page.
- Staple the new MOD Form 714(Brimstone Missile) to the front of the previous MOD Form 714(Brimstone Missile).
- Strikethrough all unused areas of the previous Logbook.
- All totals must be carried forward.

Data Entry

Note: If missile life is found to exceed the limits stated within AP118B-2401/2402-5A1 then the Brimstone Delivery Team (Tactical Strike DT) are to be contacted for further direction.

- Section A - Brimstone Particulars.** Entered by the Originator prior to despatch from depot.
- Section B - Brimstone Lified Items.** Entered by the Originator prior to despatch

from depot. Service Life Extension certified when approved.

6. **Section C - Transport Log.** Physical movement of the missile between units is to be recorded in this Section. "N/A" should be entered in unused boxes. The cumulative totals must not exceed the transport limits stated within the AP118B-2401/2402-5A1/ Joint Service Munitions Control Register (JSMCR).

7. **Section D - Operational Life Log.** Information regarding the deployed missile storage in AURC (forward location outside of the UK and when NOT stored in optimal conditions from 0°C to 20°C) is to be entered in this Section. The cumulative operational storage time must not exceed the Operational Life limits stated within the AP118B-2401/2402-5A1/DEF-STAN 00-035 Part 4. **For Brimstone 2 only:** if in an A1 or B3 Climatic Category (iaw DEF-STAN 00-035 Part 4), a penalty exposure of 2 days for every day must be applied. The calculation must be recorded in **Column (d)** and details of penalty exposure in **Column (g)**. See **Figure 1** for 'Operational Life Log' example.

8. **Section E - Standby Life Log.** Information regarding periods of time that the missile is removed from the AURC are to be entered in this Section. The cumulative Standby Life must not exceed the Standby Life limits stated within the AP118B-2401/2402-5A1/DEF-STAN 00-035 Part 4. **For Brimstone 2 only:** if in an A1 or B3 Climatic Category (iaw DEF-STAN 00-035 Part 4), a penalty exposure of 2 days for every day must be applied. The calculation must be recorded in **Column (d)** and details of penalty exposure including days, category and brief details in **Column (g)**. See **Figure 2** for 'Standby Log' example.

9. **Section F - Air Carriage Log.** Air carriage details are to be entered daily when missile use is reflected in the Daily Flight Return. Data is to be transposed from the Missile Daily Flight Returns (MOD Form 714B(RAF) or local equivalent). The cumulative totals must not exceed the air carriage and overtemp limits stated within the AP118B-2401/2402- 5A1.

10. **Section G - Gunfire Log.** Gun rounds fired while the missile is carried are to be entered in this Section. The date of firing should correlate to an entry in the Air Carriage Log for completeness of data capture. The gunfire limit must not exceed the limits stated within the AP118B-2401/2402-5A1/JSMCR.

11. **Section H - AURC Humidity Indicator Inspection Log.** Humidity Indicator Inspection should be recorded in this Section. Inspection date to be listed in **Column (a)**, serviceability of indicator paper in **Column (b)** and action taken in **Column (c)**. Action taken can be "N/A" if indicator paper serviceable and "Replace"

if unserviceable. **“Monitor”** is to be used as required. Any Maintenance task must be recorded in **Section K**.

12. **Section I - Datalogger Log.** 'Date of Download' and 'Next Due Date' are to be completed, along with the 'Download File Name'.

13. **Section J - Brimstone Fault Log.** MOD Form 760 details are to be recorded in this Section.

14. **Section K - SI(T), Concession, Modification and Maintenance Record (Including Software).** Detail of modifications, Maintenance and software upgrades are to be recorded in this Section. Where this changes the missile variant, NSN or ADAC, a new Logbook is to be raised reflecting the resultant changes. All desiccant changes must be recorded in this Section.

15. **Section L - Expenditure Log.** End of life data as a result of either firing or disposal are to be completed in this Section. This Logbook is then to be sent to DE&S DM Beith to enable stock management closedown and data retention completeness. Where the AURC is fitted with a datalogger, a final download of the datalogger should take place and the resultant data file should accompany the Logbook.

Figure 1 - Operational Life Log Example

Section D - Operational Life Log

a	b	c	d	e	f	g
Storage Location	Date Storage Started	Date Storage Ended	Operational Life (Days)			Climate Category*/Remarks *Brimstone 2 in A1/B3 accrues 2 days for every day
			Elapsed	Cumulative	Remaining	
Total Brought Forward				0	70	
¹ XXX DAC Pan	01 Feb 25	01 Feb 25	1	1	69	
² XX Sqn	03 Feb 25	05 Feb 25	3	4	66	
³ XXX ESA	06 Feb 25	06 Feb 25	1	5	65	ESA Cooling Failure: 1 day's penalty life as instructed by DT.
⁴ XX Sqn	13 Feb 25	14 Feb 25	4	9	61	Landaway in A1 Environment - penalty lifing applied.
XX Sqn	15 Feb 25	24 Feb 25	10	19	51	Returned from Landaway and continued operating with B2.
⁵ XX Sqn	28 Feb 25					

Previous Cumulative + Elapsed Days
10 + 9 = 19

Original Days Remaining = 70
70 - 19 (Cumulative Days) = 51

Figure 2 - Standby Life Log Example

Section E - Standby Life Log

a	b	c	d	e	f	g
Storage Location	Date Storage Started	Date Storage Ended	Standby Life (Days)			Climate Category*/Remarks *Brimstone 2 in A1/B3 accrues 2 days for every day
			Elapsed	Cumulative	Remaining	
Total Brought Forward				0	60	
XX Sqn	03 Feb 25	05 Feb 25	3	3	57	
XX Sqn	13 Feb 25	14 Feb 25	4	7	53	Landaway in A1 Environment - penalty lifing applied.
XX Sqn	15 Feb 25	24 Feb 25	10	17	43	
XX Sqn	28 Feb 25					

03 Feb to 05 Feb = 3 Days not 2 Days

¹Brimstone delivered to Location and exposed to temperature above 20°C while awaiting transport to ESA.

²Brimstone issued from ESA to Sqn during these dates.

³No requirement to record cooled storage but ESA experienced failure in conditioning system and temperature exceeded 20°C. 1 day's Penalty Life issued as instructed by DT.

⁴Brimstone issued from ESA to Sqn 13-24 Feb 25. Landaway occurred for 2 days in A1 so accrued an additional 2 day penalty.

⁵Brimstone issued from ESA to Sqn.