



# Ministry of Defence

Air Command Secretariat  
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**Our Ref: FOI2015/08213**

Mr Chris Cole

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20 October 2015

Dear Mr Cole

Thank you for your e-mail of 22 September asking for information about Mission Reports and Guided Missile Firing Reports. You have asked the following:

*Please can I ask under the Freedom of Information Act whether RAF Mission Reports (MISREP) and Guided Missile Firing Reports are standard forms to be completed by RAF personnel? Please can I have a blank copy of each?*

I am treating your correspondence as a request for information under the Freedom of Information Act 2000 (FOIA).

After a search of our records I can confirm that information within scope of your request is held.

The Guided Missile Firing Report you refer to is actually called a Weapon Release Form. A blank copy of the standard Weapon Release Form and Mission Report Form are attached to this letter.

If you are not satisfied with this response or you wish to complain about any aspect of the handling of your request, then you should contact me in the first instance. If informal resolution is not possible and you are still dissatisfied then you may apply for an independent internal review by contacting the Information Rights Compliance team, 1st Floor, MOD Main Building, Whitehall, SW1A 2HB (e-mail [CIO-FOI-IR@mod.uk](mailto:CIO-FOI-IR@mod.uk)). Please note that any request for an internal review must be made within 40 working days of the date on which the attempt to reach informal resolution has come to an end.

If you remain dissatisfied following an internal review, you may take your complaint to the Information Commissioner under the provisions of Section 50 of the Freedom of Information Act. Please note that the Information Commissioner will not investigate your case until the MOD internal review process has been completed. Further details of the role and powers of the Information Commissioner can be found on the Commissioner's website, <http://www.ico.gov.uk>.

Yours sincerely

Air-DRes Sec 3b  
Air Secretariat  
Air Command

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**MISREP FORMAT**

1. The following Sets are mandatory and should appear in each MISREP. Each Set should appear once per MISREP except for FLTDTAIL which may be repeated as described below

Set	Contents
CLASSIFICATION <sup>1</sup>	Classification and Caveat of MISREP
OPER	Operation Name. Either EXER or OPER should be used, not both
EXER	Exercise Name
MSGID	Originator and date time of release
MSNID	ATO reference, mission type and number
FLTDTAIL	Details of aircraft type, callsign, take off and landing times
AMPN	Amplification – free format extra comment
NARR	Free format narrative of whole mission

**Figure 1 - Mandatory Sets**

**CLASSIFICATION/CLASSIFICATION/ASSOCIATED CAVEATS//**

**EXER/TITANIUM FALCON 15//**

**MSGID/MISREP/ORIGINATOR/DATE AND TIME OF MISREP RELEASE (DTG)//**

**MSNID/ATO DESIGNATOR (ATO 11)/MISSION TYPE (OCA, DCA, MPA, etc)//ATO MISSION NUMBER XXXX//**

**FLTDTAIL/CALLSIGN/NUMBER OF AIRCRAFT/AIRCRAFT TYPE/TAKE OFF LOCATION/TAKE OFF TIME DTG/LAND LOCATION/LAND TIME DTG/ENGINE SHUT DOWN DTG//**

**AMPN/Include Standard Conventional Loads Carried, Additional Leg ID, Locations, Land And Departure Times For Multi-Leg Missions//**

**NARR/Free format description of mission history//**

2. The FLDTAIL Set may be repeated if elements of the mission have significantly different data (such as take off or landing times).

3. Consider Jedi, a 4 ship launching as 2 pairs with 10 mins between launches. The FLTDTAIL Sets would be

FLTDTAIL/JEDI01/2/FGR4/EGXE/011000ZAPR14/EGXE/011410ZAPR14/011420ZAPR14  
 FLTDTAIL/JEDI03/2/FGR4/EGXE/011010ZAPR14/EGXE/011410ZAPR14/011420ZAPR14

4. The Date Time Group (DTG) is of the format ddHHMMmmmyy. Where dd is day, HH is hours, MM is minutes, mmm is month in 3 letter format and yy is last 2 digits of year. The year may be omitted. So 1 Apr 2014 at 11:34 is defined in DTG format as 011134APR14.

<sup>1</sup> CLASSIFICATION does not appear as a Set in the NATO Standard but seems to be widely used.

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5. The NARR Set is normally the final set of a MISREP.
6. The following Sets are optional and are used to report events.

Set	Contents
TIMESPEC	Start and end time of duty (where appropriate).
TGTPOS	Details of a target to be attacked (Deliberate or Accelerated). Should be followed by a RESULT set
RESULT	Result of that attack. Should be preceded by TGTPOS Set.
CASTGT	Details of CAS target. Should be followed by CASRSLT Set.
CASRSLT	Result of CAS. Should be preceded by CASTGT set.
ENINCEPT	Details of a intercept by reporting a/c
SAFIRE	Details of Surface to Air fire observed
SOF	Show of Force conducted
SOP	Show of Presence conducted
SIGHTING	Report of sighting of something of ineterest
EIS	Electronic Intercept Signal. Report of occurrence involving Radio/Radar etc
WEATHER	Free format description of weather. Used in conjunction with above Sets
AMPN	Amplification – free format extra comment
NARR	Free format narrative of whole mission

**Figure 2 - Optional Sets**

**TIMESPEC/START DTG/ FINISH DTG//**

7. The TIMESPEC set is used to report time on duty. Normally used by ISR and AAR missions but may be used by SCAR, XAI and XCAS. May be followed by an AMPN set to give orbit name etc.

**TGTPOS/CALLSIGN/TOT (DTG) /BE NUMBER/TARGET NAME/TARGET TYPE/KILLBOX & KEYPAD/COORDINATES/COORDINATES SOURCE (BOC DELIVERIES)/TARGET ELEVATION/DMPI NUMBER/DMPI NAME/TIME OF IMPACT XXXXZ/NUMBER OF ORDNANCE/ORDNANCE TYPE/FUZE TYPE/FUZE DELAY SETTING/RELEASE HEADING/RELEASE ALTITUDE/RELEASE AIRSPEED/DISTANCE TO TARGET AT RELEASE/RELEASE ANGLE//**

**RESULT/CALLSIGN/INTENDED TGT HIT/NUMBER OF WEAPONS THAT HIT THE INTENDED TGT/MISS DISTANCE IF APPLICABLE/ CD OR CIVCAS YES, NO, UNK/DETONATION OR ROUND IMPACT OBSERVED YES,NO/CC INTENT MET YES,NO,UNK//**

8. The TGTPOS Set is used to report on deliberate or accelerated targeting. If used it must be accompanied by a RESULT Set. It may be accompanied by an AMPN and/or WEATHER Sets.

**CASTGT/CALLSIGN/DTG 9-LINE PASSED-DDHHMMZMMYY /CONTROLLER CALLSIGN/TYPE OF CONOL/TIC# (FOR SIKES IN SUPPORT OF A SPECIFIC TIC), JTAR #**

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(FOR CAS NOT IN SUPPORT OF A TIC), PRI # FOR PRIORITY JTARS; E.G. "JTAR ESG102" OR "TIC A01"/TARGET DESCRIPTION/KILLBOX & KEYPAD/TARGET COORDINATES/COORDINATES SOURCE (BOC DELIVERIES)/TARGET ELEVATION/TIME OF IMPACT (TOI) DTG-DDHHMM:SSZMMYY/NUMBER OF ORDNANCE/ORDNANCE TYPE/FUZE TYPE/FUZE DELAY SETTING/RELEASE HEADING/RELEASE ALTITUDE/RELEASE AIRSPEED/DISTANCE TO TARGET AT RELEASE (SPECIFY SLANT RANGE OR HORIZONTAL STANDOFF)/RELEASE ANGLE/ROE//

**CASRSLT**/CALLSIGN/INTENDED TGT HIT (YES, NO, UNK)/NUMBER OF WEAPONS THAT HIT THE INTENDED TGT/MISS DISTANCE IF APPLICABLE/ CD OR CIVCAS YES, NO, UNK/DETONATION OR ROUND IMPACT OBSERVED YES, NO/CC INTENT MET YES, NO, UNK//

9. The CASTGT Set is used to report on CAS attacks. If used it must be accompanied by a CASRSLT Set. It may be accompanied by a AMPN and/or WEATHER Sets.

**ENINCEPT**/INTERCEPT LOCATION/TIME/AIRCRAFT ALTITUDE/AIRCRAFT TYPE/NATIONALITY/NUMBER SIGHTED/NUMBER ENGAGED/NUMBER DAMAGED/NUMBER DESTROYED/NUMBER OF AIR-TO-AIR WEAPONS EMPLOYED/AIR-TO-AIR WEAPON TYPE//

10. The ENINCEPT Set is used to report the interception and engagement of unknown aircraft. It may be accompanied by a AMPN and/or Weather Sets.

**SAFIRE**/CALLSIGN/SAFIRE DTG /KILLBOX & KEYPAD/AIRCRAFT LOCATION/AIRCRAFT HEADING/AIRCRAFT ALTITUDE/AIRCRAFT AIRSPEED/RELATIVE BEARING OR CLOCK POSITION TO SAFIRE/RANGE TO SAFIRE/ESIMATED POINT OF ORIGIN/PHASE OF FLIGHT/NVD USE/TYPE OF SAFIRE/QUANTITY OF PROJECTILES OR ROUNDS FIRED/ATTACK INTENSITY/FLIGHT PROFILE OR FIRE TACTIC/LAUNCH COLOR OF PLUME OR MUZZLE FLASH/PLUME OR ACER COLOR/SMOKE AIL DESCRIPTON AND DISSIPATION ALTITUDE/DURATION OF FIRE OR PLUME/PROJECTILE CLOSEST POINT OF APPROACH/PLUME OR ACER BURN OUT ALTITUDE/PROJECTILE APEX/ESTIMATED AIRBURST LOCATION/ESTIMATED RANGE TO AIRBURST/AIRBURST ALTITUDE/AIRBURST COLOR/AIRBURST SIZE/SENSOR INDICATION RELATED TO LAUNCH/GUIDANCE OBSERVED/PILOT THREAT PERCEPTION/COUNTERMEASURES TAKEN//

11. The SAFIRE Set is used to report on observation of surface to air fire. It may be accompanied by a AMPN and/or WEATHER Sets.

**SOF**/CALLSIGN/OVERFLIGHT DTG /OVERFLIGHT LOCATION /KILLBOX & KEYPAD/REQUEST NUMBER(JTAR #, AEM #, PRI #, OR TIC #)/RUN-IN HEADING/RUN-IN ALTITUDE/RUN-IN AIRSPEED/TERMINAL CONOLLER CALL SIGN/NUMBER OF FLARES USED/GROUND CC INTENT/INTENT MET YES OR NO//

**SOP**/CALLSIGN/OVERFLIGHT DTG /OVERFLIGHT LOCATION/KILLBOX & KEYPAD/REQUEST NUMBER(JTAR #, AEM #, PRI #, OR TIC #)/RUN-IN HEADING/RUN-IN ALTITUDE/RUN-IN AIRSPEED/TERMINAL CONOLLER CALL SIGN/NUMBER OF FLARES USED/GROUND CC INTENT/ INTENT MET YES OR NO //

12. The SOF and SOP Sets are used to report on the execution of a Show of Force or a Show of Presence.. They may be accompanied by a AMPN and/or WEATHER Sets.

13. The SIGHTING Set is used to report on the identification of events seen whilst on mission.

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**SIGHTING/OWN LOCN/SIGHTING DTG/OWN ALTITUDE/OWN HEADING/OWN SPEED/ACTIVITY LOCN/ACTIVITY TYPE/ACTIVITY DESC/NO OF ELEMENTS/DESC OF ELEMENTS/DIR OF MOV/SIGHTED OBJ SPEED/OBS METHOD/NATIONALITY OF OBJ/MEDIA TYPE/MEDIA REF//**

14. The EIS is used to report detection of RF energy.

**EIS/LOCATIONTIME OF INTERCEPTALTITUDEHEADINGSPEEDRWR INDICATIONDURATION OF SIGNALBEARING OF SIGNALINTERCEPT SERIAL NOINTERCEPT SIGNAL DISTANCESIGNAL POSITIONEMITTER NAMEELINT NOTATIONEMITTER DESIGNATIONDESCRIPTION OF TONEPRF ACTIVITY CODEPRIMARY FREQEMITTER EVALUATIONELECTRONIC PROTECION CONFIDENCE LEVEL//**

15. The WEATHER set is used to report weather conditions. It is a single free format field

**WEATHER/Free Format Weather report//**

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*oak*

# WEAPON RELEASE REPORT

## COMPILATION AND DISTRIBUTION

This report is to be completed whenever a heavy, guided or unguided weapon, is release or jettisoned, be it as a consequence of operations, training or trials activity. Some data (eg the Local AUR Serial Number) will need to be provided by the ground crew. The report should contain as much detail as possible.  
 For Operational releases, the completed form is to be emailed to the following posts no later than 48 hrs after the release / jettison.  
 The following are all SECRET email addresses:  
**ALL:**

### RELEASE / JETTISON DETAILS

Release Date		Release Ac Type		Tail No	
TOT (Z)	Squadron	Crew		Callsign	
Range / Op Theatre		ATE or Trial Name		Ac OFF	
Weapon Type		AUR Serial No		Attack Profile (Inc Dive Angle)	
Number Released in Pass		Weapon Spacing (m) / (ms)		Gun fired whilst wpn loaded?	
Aircraft GPS FOM		Wpn Mode Setting		Stn No	
Fuse Settings		Impact Heading		Impact Angle	
Correct Lanyard activation		Signal Processing Mode	LLPL/SLPL	EPW GAINS battery fired	YES/NO

### DESIGNATION

Type:	Self / Buddy	Buddy Ac Type		Buddy Ac Tail No	
Pod Type		Pod Serial Number		Designating Laser Code	
Sensor	EO / IR	Horizontal distance off tgt face at impact		Plan range from target at impact	
Profile		Tracking Mode		Designator's Callsign	

### TARGET

Target Location		Target Altitude		TLE (If Pre-Planned)	
Target Type, Description & Dimensions: (including Horizontal or Vertical specification)					

### WEATHER

Surface Temperature		Wind @ release altitude		Wind @ surface	
Visibility		QNH		Relative Humidity (%)	

### ATTACK DETAILS

LOA (°True)		Weapon Aiming Mode		VFT	
Release Plan Range		Release Altitude (AMSL / ATL)		Release IAS/TAS	
Tgt off-boresight angle at Release		Designation Pod fired? ("Stores" plus n Secs)		Time of Flight (sec)	
Wpn Variant		Warhead Type		Climb/Dive angle	
Score		Mission Effectiveness		Frag Sleeve type	
				Detonation	

**Narrative:** (inc references to existing / planned Air Incident or OME Performance Failure Reports). Unit is welcome to suggest a provisional failure cause (if appropriate).

Rank:		Name:		Signature:	<On original>
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