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1407/Directive/DGAQA/Tech-Coord  
भारत सरकार  
Government of India  
वैमानिक गुणता आश्वासन महानिदेशालय  
Directorate General of  
Aeronautical Quality Assurance  
रक्षा मंत्रालय,  
Ministry of Defence,  
एच-ब्लाक, नई दिल्ली-110011  
'H' Block, New Delhi-110011

29 सितम्बर 2016

सेवा में,

(1) डीडीजी (नासिक), (2) आरडीएक्यूए, कानपुर, (3) आरडीएक्यूए (हेलीकॉप्टर), (4) आरडीएक्यूए (एमआरओ), (5) आरडीएक्यूए (एयरक्राफ्ट), (6) आरडीएक्यूए (ओवरहौल), (7) आरडीएक्यूए (एआरडीसी), (8) आरडीएक्यूए (एलसीए-तेजस), (9) ओएक्यूए, बैरकपुर, (10) आरडीएक्यूए, एलीस्टा

विषय : एक्यूए डायरेक्टिव 05-01/2016 एयरक्राफ्ट सर्टिफिकेट ऑफ सेफ्टी फोर फ्लाइट की फॉर्मेट (फॉर्म-1090)

पत्र सं. 1405/Directive /DGAQA/Tech-Coord दिनांक 23 सितम्बर 2016 की प्रति आपकी सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित है ।



(एस आर शांखला)  
संयुक्त निदेशक/तक0 सम0

प्रतिलिपि :

- (1) सेवा में,  
डीजी (एरो) डीआरडीओ हेडक्वार्टर  
नई दिल्ली
- (2) सेवा में,  
जनरल मैनेजर (क्यू ए)  
एच ए एल, कॉरपोरेट ऑफिस  
बैंगलोर

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वैमानिक गुणवत्ता आश्वासन महानिदेशालय  
Directorate General of  
Aeronautical Quality Assurance  
रक्षा मंत्रालय, भारत सरकार  
**Ministry of Defence**  
एच – ब्लॉक, नई दिल्ली – 110011  
**H Block, New Delhi 110011**

1405/Directive/DGAQA/Tech.Coord

23 Sep 2016

सेवामें,

- (1) DDG (NK) (2) RDAQA, KANPUR (3) RDAQA (HELICOPTER) (4) RDAQA (MRO)  
(5) RDAQA (AIRCRAFT) (6) RDAQA (OVERHAUL), (7) RDAQA (ARDC)  
(8) RDAQA (LCA-TEJAS) (9) OAQA, BARRACKPORE (10) RDAQA, ALISDA

**AQA DIRECTIVE 05-01/2016 (AIRCRAFT)**  
**'CERTIFICATE OF SAFETY FOR FLIGHT' FORMAT (FORM -1090)**

1. The issuance of Certificate of Safety of Flight (F-1090) is our mandated QA function as per DDPMAS-2002 and Technical Standing Orders (TSO) of DGAQA. Satisfactory DI checks by quality control dept of main contractor followed by supervisory check by DGAQA officer are pre-conditions to issue the certificate. A need has been felt to review the existing instruction on issuance of the certificate and standardise the format. The draft was circulated to all stake holders and based on the comments/suggestions received, the finalised format is hereby released for implementation.
2. The following instructions as AQA directive 01/2016 (Aircraft) are issued for compliance by the concerned DGAQA FEs, HAL Divisions / DRDO Labs.
  - 2.1 Standard Format of "Certificate of safety for flight", placed at Annexure-A to this directive, shall be used.
  - 2.2 Certificate is valid for one flight on the calendar day of issue or type of schedule flight completion, whichever is earlier.
  - 2.3 In an exceptional case of non-utilization of the "Certificate of safety for flight F-1090" on the same calendar day, the revalidation of the F-1090 for subsequent calendar day within 24hrs from the time of issue may be accorded by DGAQA approved contractor's QC officer after ensuring complete DI checks as per schedule in consultation with DGAQA. DGAQA approved contractor's QC officer shall endorse the same in the Part-III of F-1090 certificate.
  - 2.4 The F-1090 will remain in force, subject to routine flight servicing and daily inspections being carried out in accordance with approved schedules, for the period stated thereon or until invalidated under the following conditions:



- ( i) Whenever any alteration, repair, adjustment outside the scope of normal daily flight adjustments are made to the aircraft.
- ( ii) Whenever any alteration, replacement (hardware and software) or adjustments are made which involve disconnection of the flying control or engine controls.
- ( iii) Whenever the Aircraft / Engine / Associated equipment running time reaches the period of servicing or other specified maintenance.
- ( iv) Whenever any repairs / replacement are carried-out.
- ( v) Whenever an alteration or a modification is carried-out that necessitates an amendment or issue of a new design / flight clearance certificate by RCMA.
- ( vi) Whenever an aircraft is to be flown for a purpose other than that specified in Form-1090.
- ( vii) Whenever a pre-factory test flight is required to be carried-out on an aircraft received for overhaul / rectification at contractor's works.
- ( viii) Whenever any change in the details at SI No 1to 10 of the Certificate issued.

2.5 DGAQA rep has the discretion to withhold or withdraw F-1090 at any time.

2.6 The details are to be filled in the format as per instructions placed at Annexure "B" to this directive.

3. - All concerned DGAQA FEs are hereby informed to make a note of this AQA directive for implementation with effect from 1st Oct 2016.

(M Rajakannu)

**Director General, AQA**

Encl: As stated above

Copy to :

- |   |   |   |
|---|---|---|
| 1. DDG (N&C Zone), DGAQA<br>Lucknow         | } | For your kind information   |
| 2. DDG (SZ), DGAQA<br>Bangalore             |   |   |
| 3. DDG (Koraput), DGAQA<br>Koraput          |   |   |
| 4. DG(Aero), DRDO HQrs , New Delhi          | } | For information & needful action wrt to information and compliance at DRDO Labs       |
| 5. GM (QA), HAL Corporate office, Bangalore |   |   |
| 6. IT Group , HQrs                          | } | For information & needful action wrt to information and compliance at HAL Divisions   |
|   |   | With a request to upload on DGAQA website under main menu Technical=> DGAQA Directive |

**CERTIFICATE OF SAFETY FOR FLIGHT ( F-1090)**  
**OFFICE OF THE DEPUTY DIRECTOR GENERAL/ REGIONAL DIRECTOR.....**  
**DGAQA MINISTRY OF DEFENCE**

**Part-I (To be completed by the Main Contractor)**

1. (a) Type of Aircraft: (b) Aircraft tail no. :
2. Airworthiness Certification / Flight Clearance Reference :
3. SOP reference :
4. Purpose of Taxi /Flight Trial : LSTT/HSTT /Development test flight /Contractor / Customer / Handling/Ferry
5. Flight Details (a) Flight Number: (b) Flight Configuration:
6. QC memo & Daily Inspection reference :
7. Limitation if any:
8. Aerodrome :
9. Authority of the Pilot :
10. Name of the Pilot : (I) (II)
11. I hereby certify that the aircraft has been fully inspected, including the engines, engine installations, instruments and is in every way safe for the intended flight and hereby request permission for the flight to proceed herewith.

(DGAQA approved HAL QC Rep)  
Signature with Stamp

**Part-II (To be completed by the DGAQA Rep)**

**12. Authorization for flight :**

- a) Permission is hereby granted on DD/MM/YY at hrs to proceed with the above flight and valid for one flight on the calendar day of issue or type of schedule flight completion, whichever is earlier.
- b) The F-1090 will remain in force, subject to routine flight servicing and daily inspections being carried out in accordance with approved schedules, for the period stated thereon or until invalidated under the conditions stated at in AQA directive 01/16 (Aircraft) dated 22 Sep 2016.
- c) In an exceptional case of non-utilization of the 1090 on the same calendar day, the revalidation of the F-1090 on subsequent calendar day within 24hrs from the time of issue may be accorded by DGAQA approved contractor's QC officer after ensuring complete DI checks as per schedule in consultation with DGAQA. DGAQA approved contractor's QC officer shall endorse the same in the Part-III of F-1090 certificate.

(DGAQA Rep Signature with date & time)  
Name & Designation

**Part-III - Revalidation**

- 13. Revalidation:** I hereby certify that complete DI checks have been carried out as per schedule, in consultation with DGAQA and found satisfactory. The results are recorded in DI sheet no..... and F-1090 issued in part-II is revalidated.

(DGAQA approved HAL QC officers)  
Signature & Stamp with date & time

**Part-IV**

(Authorized Pilot signature with date & time)  
Name & Designation

**Distribution: (To be done by the contractor)**

Original- To the contractor, First Copy – To the pilot, Second Copy (duly signed by Pilot)- To DGAQA office



## Instruction for filling the details in Certificate of Safety for Flight ( F- 1090)

1. **(a) Type of Aircraft:** The brief about the type of aircraft like LCA (LSP-07), Su-30 MKI – Phase-I, HTT-40 PT-01 etc  
**(b) Aircraft tail no. :** Registration number of aircraft like SB304, TSR-001, KH-2014 etc
2. **Airworthiness Certification / Flight Clearance Reference :** Military airworthiness certification/ Release to Service Document (RSD)/ Type Approval /Flight Clearance ref number from the applicable airworthiness authority / RCMA( CEMILAC) whichever is applicable
3. **SOP reference :** Standard of Preparation against which the Aircraft is manufactured
4. **Purpose of Flight/Taxi Trial :** Which are not applicable shall be strikeout **for example** If the 1090 is sought for HSTT than other, which are not applicable may be strike out **HSTT /Development test flight /Contractor / Customer / Handling/Ferry--.**
5. **Flight Details**
  - (a) Flight Number:** Total number of flight done by the aircraft till date
  - (b) Flight Configuration:** The detail of the system checks to be performed during the flight like Engine performance check, FBW maneuvering etc
6. **QC memo & Daily Inspection reference:** DGAQA memo clearance and Daily Inspection reference be mentioned.
7. **Limitation if any:** Any authorized flight restriction, limitation and notification shall be recorded in this column for the information and concurrence of the Pilot.
8. **Aerodrome :** The name of the airfield
9. **Authority of the Pilot :** Authority letter issued by Service HQrs / CTP of main contractor
10. **Name of the Pilot :** (I) Name of the main pilot (I) Name of the trainee /co- pilot
11. **Numbering scheme:** Each F-1090 issued should be assigned a unique number in X/NNN/DDMMYY format. Where X- Projects like A for Su-30MKI, B for MiG 21 etc , NNN- Running serial number i.e 001 to 999 for Production Year followed by date & month of issue. The F-1090 register should be maintained project wise