



System Requirements Specifications (Abridged) Directorate of Airworthiness

Version: 2.0

PROJECT NAME:	EGCA
CUSTOMER NAME:	DIRECTORATE GENERAL OF CIVIL AVIATION
LOCATION:	NEW DELHI



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SRS REVISION HISTORY					
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TABLE OF CONTENTS

IMPORTANT NOTICE	2
1. SYNOPSIS.....	5
2. REFERENCE.....	6
3. BUSINESS RULES.....	7
4. APPLICATION / DATA ELEMENTS	8
5. PROCESS.....	9
6. INTERDEPENDENCIES	10
7. OUTPUT.....	11
8. SPECIFIC SOFTWARE FEATURES.....	12
9. GENERAL COMMENTS.....	13
10. APPENDIX	14
10.1. PROCESS FLOW	14
11. REVIEW HISTORY.....	15



AW7	ISSUE OF NOISE CERTIFICATE
ADMINISTRATOR	DIRECTOR - AIRWORTHINESS
APPLICANT	AIRCRAFT OPERATORS

1. SYNOPSIS

EACH AIRCRAFT EITHER MANUFACTURED IN INDIA OR IMPORTED INTO INDIA FOR WHICH A CERTIFICATE OF AIRWORTHINESS IS TO BE ISSUED SHALL APPLY FOR ISSUE OF AIRCRAFT NOISE CERTIFICATE

INPUT (APPLICATION) CONTAINING DETAILS OF,

1. PARTICULARS REGARDING THE APPLICANT, 2. PARTICULARS REGARDING THE AIRCRAFT, 3. DECLARATION, 4. INSPECTION OF AIRCRAFT (IF CARRIED OUT)

PROCESS

VERIFIED FOR CORRECTNESS OF PARTICULARS ALONG WITH ALL THE RELEVANT DOCUMENTS AND PERMIT GRANTED IF FOUND TO MEET THE REQUIREMENTS.

EXEMPTION

NA

OUTPUT

ISSUE OF NOISE CERTIFICATE TO THE AIRCRAFT



2. REFERENCE

RULE	15, 50, 50A, 51, 52, 53, 53A, 54 AND 55
CAR	SECTION 2 - SERIES F PART III, CAR 21 SUBPART I
AIC	N/A
ADVISORY CIRCULAR	N/A
PROCEDURE MANUAL	AIR WORTHINESS DIRECTORATE PROCEDURES MANUAL CHAPTER NO 2

3. BUSINESS RULES

ID NO.	REFERENCE CAR / AIC / PR. MANUAL	III. BUSINESS RULES – DIFFERENTIATE BUSINESS RULES, PROCESS AND FEATURE	REMARKS
AW7 / BR1	APM CHAPTER 8	DGCA REQUIRES AN APPLICATION TO BE MADE FOR ISSUANCE OF A NOISE CERTIFICATE ALONG WITH THE APPLICATION OF CERTIFICATE OF AIRWORTHINESS.	
AW7 / BR2	APM CHAPTER 8	THE BASIS FOR NOISE CERTIFICATION OF THE AIRCRAFT DESIGNED AND DEVELOPED IN INDIA SHALL BE IN ACCORDANCE WITH COMPLIANCE WITH CAR 21.18 AND ICAO ANNEX 16 VOLUME I.	
AW7 / BR3	APM CHAPTER 8	THE NOISE CERTIFICATION FOR THE AIRCRAFT DESIGNED AND MANUFACTURED IN INDIA WILL BE ISSUED BY DGCA (AED).	
AW7 / BR4	APM CHAPTER 8	THE BASIS OF NOISE CERTIFICATION SHALL BE INCLUDED IN THE TYPE CERTIFICATE DATA SHEET (TCDS) AND THE AIRPLANE FLIGHT MANUAL OF THE PARTICULAR AIRCRAFT.	
AW7 / BR5	APM CHAPTER 8	CONCERNED REGIONAL AIRWORTHINESS OFFICE WILL ISSUE NOISE CERTIFICATE BASED ON THE NOISE CERTIFICATION GIVEN IN THE TCDS OF THE AIRCRAFT WITHOUT RE-MEASUREMENT OF NOISE LEVELS FOR THE INDIVIDUAL AIRCRAFT SUBJECT TO THE CONDITION THAT THERE IS NO CHANGE IN THE ORIGINAL CONFIGURATION OF THE AIRCRAFT BASED ON WHICH WAS INITIAL NOISE CERTIFICATION WAS GRANTED FOR THE PROTOTYPE AIRCRAFT.	
AW7 / BR6	APM CHAPTER 8	IN CASE OF CHANGE OF CONFIGURATION OR ANY MODIFICATION/ CHANGE, WHICH MAY AFFECT NOISE CHARACTERISTICS OF THE AIRCRAFT WOULD REQUIRE RE-CERTIFICATION OF NOISE LEVELS AND THE CONCERNED REGIONAL OFFICE SHALL INFORM THE APPLICANT TO APPLY FOR NOISE RECERTIFICATION. THE PROCEDURE FOR NOISE RE-CERTIFICATION SHALL REMAIN THE SAME AS FOR ISSUE OF NOISE CERTIFICATION.	
AW7 / BR7	APM CHAPTER 8	THE NOISE CERTIFICATE WILL BE ISSUED BY AN OFFICER DELEGATED THE AUTHORITY OF ISSUE OF CERTIFICATE OF AIRWORTHINESS FOR THE TYPE OF AIRCRAFT.	
AW7 / BR8	APM CHAPTER 8	ON CHANGE OF OWNERSHIP OF THE AIRCRAFT, THE NOISE CERTIFICATE SHALL BE TRANSFERRED TOGETHER WITH THE AIRCRAFT.	
AW7 / BR9	APM CHAPTER 8	THE NOISE CERTIFICATE SHALL BE FOR AN UNLIMITED DURATION AND SHALL REMAIN VALID SUBJECT TO: A) COMPLIANCE WITH THE APPLICABLE TYPE-DESIGN, ENVIRONMENTAL PROTECTION AND CONTINUING AIRWORTHINESS REQUIREMENTS; AND B) AIRCRAFT REMAINING ON THE REGISTER; AND C) THE TYPE-CERTIFICATE UNDER WHICH IT IS ISSUED REMAINS VALID	



4. APPLICATION / DATA ELEMENTS

ID	REFERENCE CAR / AIC / PR. MANUAL	PARTICULARS	DETAIL	REMARKS
AW7 – DE1	APPENDIX G – CAR SECTION 2 – SERIES F PART III	PARTICULARS REGARDING THE APPLICANT	NAME, ADDRESS FOR COMMUNICATION, PHONE, FAX, E-MAIL	
AW7 – DE2	APPENDIX G – CAR SECTION 2 – SERIES F PART III	PARTICULARS REGARDING THE AIRCRAFT	AIRCRAFT REGISTRATION, AIRCRAFT MANUFACTURER, AIRCRAFT MODEL, AIRCRAFT SERIAL NUMBER, DATE OF MANUFACTURE, FLIGHT MANUAL REFERENCE, MAXIMUM TAKE-OFF MASS, MAXIMUM LANDING MASS, ENGINE MANUFACTURER, ENGINE MODEL AND SERIAL NUMBER, PROPELLER TYPE, MODEL AND SERIAL NUMBER, NOISE CERTIFICATION STANDARDS, ADDITIONAL MODIFICATION INCORPORATED FOR THE PURPOSE OF COMPLIANCE WITH THE APPLICABLE NOISE CERTIFICATION STANDARDS, LATERAL/ FULLPOWER NOISE LEVEL, APPROACH NOISE LEVEL, FLYOVER NOISE LEVEL, OVERFLIGHT NOISE LEVEL, TAKE-OFF NOISE LEVEL, ATTACHED DOCUMENTS	
AW7 – DE3	APPENDIX G – CAR SECTION 2 – SERIES F PART III	DECLARATION	DATE, SIGNATURE, TITLE, REMARK	
AW7 – DE4	APPENDIX G – CAR SECTION 2 – SERIES F PART III	INSPECTION OF AIRCRAFT: (IF CARRIED OUT)	DATE OF INSPECTION, INSPECTING OFFICER, NOISE CERTIFICATE NO. (ISSUED)	



5. PROCESS


PROCESS	<ol style="list-style-type: none"> 1. THE APPLICATION WHEN SUBMITTED WOULD ACKNOWLEDGE THE RECEIPT WITH A SYSTEM GENERATED ACKNOWLEDGEMENT NUMBER WHICH WOULD FORM THE BASIS OF REFERENCE OR TRACKING. 2. THE APPLICATION WILL LAND IN GENERAL INBOX, VERIFIER INBOX AND APPROVER INBOX. 3. SELECTION OF VERIFIER WOULD BE GUIDED BY THE WORKLOAD OF THE INDIVIDUALS WITHIN THE VERIFIER GROUP. 4. PROVISION WOULD BE MADE FOR THE APPROVER TO REASSIGN THE WORK TO ANOTHER VERIFIER OR PROCESS THE APPLICATION HIMSELF. 5. WHERE REQUIRED THE APPROVER WOULD REFER THE APPLICATION FOR EXEMPTION TO COMPETENT AUTHORITY. 6. THE DISCREPANCIES NOTED IN THE APPLICATION OR THE ATTACHMENT WOULD BE REFLECTED AS A REMARK AGAINST EACH ITEM AND A SYSTEM GENERATED DISCREPANCY REPORT WOULD BE PROVIDED TO THE APPLICANT AT THE END OF THE SCRUTINY VIA E-MAIL WITH A SMS REGARDING APPLICATION STATUS. 7. APPLICATION STATUS WOULD BE INDICATED AS REJECTED/ IN PROCESS/ PENDING/ DELIVERED
VERIFIER	VERIFY CORRECTNESS OF THE FURNISHED INFORMATION OR SEND TO RO AWO TO INSPECT THE AIRCRAFT. RO AWO WILL INSPECT THE AIRCRAFT & FILL THE CHECKLIST & SUBMIT TO HQD.
APPROVER	PERFORM CHECKS AS REQUIRED, APPROVE AND ISSUE APPROVAL OR SEND DISCREPANCY REPORT TO APPLICANT AND VERIFIER OR FORWARD FOR EXEMPTION OR ISSUE PERMIT
EXEMPTION	APPROVER TO RECOMMEND THE APPLICATION TO EXEMPTING AUTHORITY FOR GRANT OF EXEMPTION
RETURN AFTER EXEMPTION	DESIGNATED AUTHORITY GRANT / RETURN THE REQUEST TO APPROVER
PERMIT ISSUE	ISSUE OF NOISE CERTIFICATE



6. INTERDEPENDENCIES

SERVICE	INFORMATION RECEIVED FROM OTHER DIRECTORATE(S) / EXTERNAL STAKEHOLDER(S)		
	INFORMATION RECEIVED/SENT	EXTERNAL STAKEHOLDER(S)	INTERNAL STAKEHOLDER
AW7 – ISSUE OF NOISE CERTIFICATE	APPLICATION FOR NOISE CERTIFICATE	OPERATOR	REGIONAL OFFICE / SUB- REGIONAL OFFICE

7. OUTPUT

ISSUE OF NOISE CERTIFICATE	NOISE CERTIFICATE				<u>Appendix II</u>	
	GOVERNMENT OF INDIA OFFICE OF DIRECTOR GENERAL OF CIVIL AVIATION			 सत्यमेव जयते	Certificate No. :	
	TECHNICAL CENTRE, OPP SAFDARJANG AIRPORT, NEW DELHI – 110 003					
	1. Nationality & Registration Marks:		2. Manufacturer & Manufacturer's designation of aircraft:		3. Aircraft Serial No.:	
	4. Engine: Type: Model:			5. Propeller Type: Model:		
	6. Maximum Take-off Mass:		7. Maximum landing mass:		8. Noise certification Standards:	
	9. Additional modification incorporated for the purpose of compliance with the applicable noise certification Standards:					
	10. Lateral/ full-power noise level:		11. Approach noise level:	12. Flyover noise level:	13. Over-flight noise level:	14. Take-off noise level:
	Remarks:					
	15. This noise certificate is issued pursuant to Volume I of Annex 16 to the Convention on International Civil Aviation, in respect of the above mentioned aircraft, which is considered to comply with the indicated noise Standard when maintained and operated in accordance with the relevant requirements and operating limitations.					
16. Date of issue:			17. Signature: Name: Designation/Seal:			



8. SPECIFIC SOFTWARE FEATURES

FEATURE ID	VII. SPECIFIC SOFTWARE FEATURES – DIFFERENTIATE BUSINESS RULES, PROCESS AND FEATURE	CROSS REFERENCE SECTION (IF ANY)
AW2 / SF1	INAPPROPRIATELY FILLED FIELDS TO PROVIDE POP UP IMMEDIATELY, PROVIDING HYPERLINK TO USER GUIDE IF SELECTED NOT AFTER REACHING THE END OF THE PAGE.	
AW7 / SF2	CANCELLATION AND GENERATION OF NEW APPLICATION WITH SAME DETAILS AND EDITING FEATURES – APPLICANT TO VALIDATE EACH FIELD	
AW7 / SF3	DATA FIELD WILL VALIDATE OR AUTO POPULATED FORM MASTER DATABASE	



9. GENERAL COMMENTS

COMMENT ID	GENERAL COMMENTS
GC 1	
GC 2	

10. APPENDIX

10.1. PROCESS FLOW

