U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
National Policy

**ORDER 8120.2E**

Effective Date:
5/29/07

**SUBJ:** Production Approval and Certificate Management Procedures

## FOREWORD

This order was prepared to provide guidance for Aircraft Certification Service personnel in the accomplishment of certain agency responsibilities. These include the evaluation, approval, and certificate management of the production activities of manufacturers and their suppliers producing products or parts thereof in accordance with Title 14, Code of Federal Regulations.

The guidance in this order relates to the following four types of production approvals issued by the Federal Aviation Administration:

1. Production Certificate.
2. Approved Production Inspection System.
3. Parts Manufacturer Approval.
4. Technical Standard Order authorization.

This order has been organized into two functional areas: procedures for the evaluation and issuance of a production approval and procedures for certificate management of a production approval.

Frank P. Paskiewicz
Manager, Production and
Airworthiness Division, AIR-200

Distribution: A-W (IR/FS/VN) -3; A-X (CD/FS) -3;
A-FFS-0 (LTD); A-FAC-0 (ALL); AMA-220 (10 copies);
AMA-250 (10 copies); AFS-600 (10 copies); AVS-20 (ALL);
AEU-100

Initiated By: AIR-200

## TABLE OF CONTENTS

### CHAPTER 1. INTRODUCTION



### CHAPTER 2. PROCEDURES FOR ISSUING A PRODUCTION APPROVAL

#### SECTION 1. INTRODUCTION



#### SECTION 2. PRODUCTION UNDER A TYPE CERTIFICATE ONLY (PART 21, SUBPART F)

##### PART 1. GENERAL



##### PART 2. FAA ACTIONS DURING THE SIX-MONTH PERIOD

## PART 3. PROCESSING AN APPLICATION FOR AN APIS



## PART 4. ISSUANCE OF AN APIS



# SECTION 3. PRODUCTION CERTIFICATE (PART 21, SUBPART G)

## PART 1. GENERAL



## PART 2. PROCESSING AN APPLICATION FOR A PC



## PART 3. PRODUCTION CERTIFICATION BOARD



## PART 4. ISSUANCE OF PRODUCTION CERTIFICATE AND PRODUCTION LIMITATION RECORD

## SECTION 4. TECHNICAL STANDARD ORDER AUTHORIZATION (PART 21, SUBPART O)

### PART 1. GENERAL



### PART 2. PROCESSING AN APPLICATION FOR A TSO AUTHORIZATION



### PART 3. ISSUANCE OF A TSO AUTHORIZATION OR LETTER OF TSO DESIGN APPROVAL



## SECTION 5. PARTS MANUFACTURER APPROVAL (PART 21, SUBPART K)

### PART 1. GENERAL



### PART 2. PROCESSING AN APPLICATION FOR A PMA



### PART 3. ISSUANCE OF A PMA

### PART 4. POST-PMA ACTIVITIES



## SECTION 6. EXTENSION OF A PRODUCTION APPROVAL WITHIN THE UNITED STATES

### PART 1. GENERAL



### PART 2. PROCESSING A REQUEST FOR EXTENSION OF A PRODUCTION APPROVAL



### PART 3. APPROVAL OF THE REQUEST FOR EXTENSION OF A PRODUCTION APPROVAL



## SECTION 7. NON-U.S. MANUFACTURING FACILITIES—DETERMINATION OF UNDUE BURDEN AND NO UNDUE BURDEN



# CHAPTER 3. CERTIFICATE MANAGEMENT PROCEDURES

## SECTION 1. INTRODUCTION

## SECTION 2. ONGOING CM RESPONSIBILITIES

### PART 1. INTRODUCTION



### PART 2. RISK MANAGEMENT



### PART 3. SUPPLIER CONTROL

#### SUBPART A. DETERMINING SUPPLIER CONTROL BY A PAH OR ASSOCIATE FACILITY



#### SUBPART B. SUPPLIER CONTROL AUDIT

### PART 4. PRINCIPAL INSPECTOR EVALUATION



### PART 5. AIRCRAFT CERTIFICATION SYSTEMS EVALUATION PROGRAM EVALUATION



### PART 6. PRODUCT AUDIT



## SECTION 3. RANDOM CM RESPONSIBILITIES

### PART 1. INTRODUCTION



### PART 2. EVALUATION OF CHANGES TO A PAH'S OR ASSOCIATE FACILITY'S QUALITY OR INSPECTION SYSTEM

## PART 3. INVESTIGATION OF SERVICE DIFFICULTIES



## PART 4. INVESTIGATION OF REGULATORY VIOLATIONS



## PART 5. CORRECTIVE ACTION



## PART 6. UNSCHEDULED AUDITS, EVALUATIONS, OR INVESTIGATIONS



## PART 7. PROVIDING GUIDANCE TO A PAH OR ASSOCIATE FACILITY



## APPENDIX 1. EVALUATION OF A PAH'S QUALITY OR INSPECTION SYSTEM

## APPENDIX 2. FABRICATION INSPECTION SYSTEM



## APPENDIX 3. RISK MANAGEMENT INDICATOR ASSESSMENT CRITERIA



## APPENDIX 4. CATEGORY PARTS LIST



## APPENDIX 5. RISK MANAGEMENT REPORTS



## APPENDIX 6. RISK MANAGEMENT MODEL VALIDATION PLAN

**APPENDIX 7. PREPARATION INSTRUCTIONS FOR FAA FORM 8100-6, NONCOMPLIANCE RECORD**



**APPENDIX 8. PREPARATION INSTRUCTIONS FOR FAA FORM 8120-14, PRODUCTION APPROVAL/CERTIFICATE MANAGEMENT ACTIVITY REPORT**



**APPENDIX 9. FORMS LISTING**