REGENT

Aerospace Corporation

AB AIRBASE

A Division of Regent Aerospace Corporation

Aircraft Cabin Interior Engineering & Certification

Engineering Capabilities

Full Service Engineering Support

- Research & Development
- Project Engineering
- Design & Documentation
- Testing
- Certification

Research & Development

Prototype Development

Mold Making

Experimentation

Design Improvements

Fabrication Improvements

Certification Testing Support

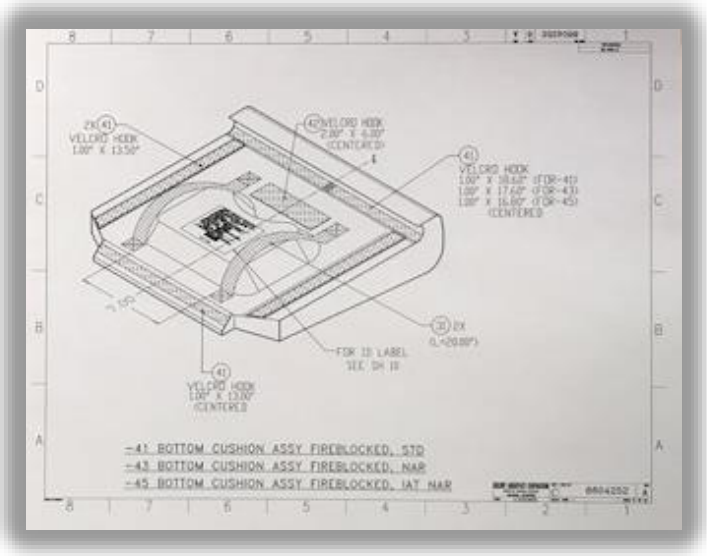
Project Engineering

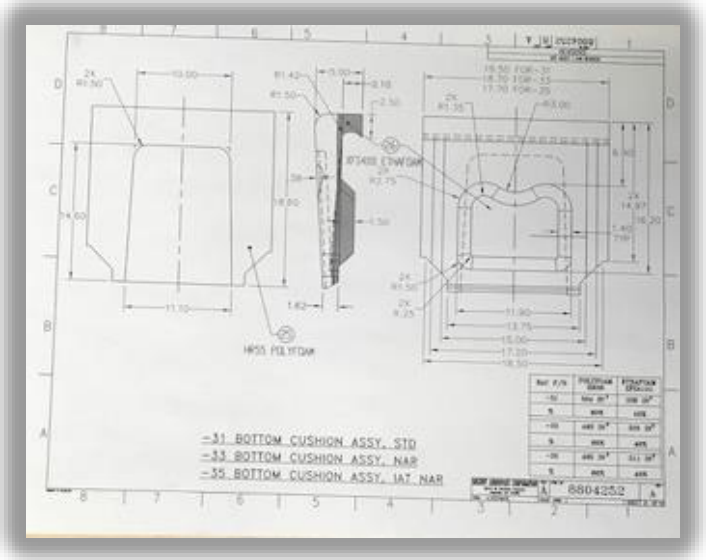
- Project Planning & Development
- Assemble Project Team
- Assure adequate resources for success
- Facilitate progress meeting
- Coordinate interaction with all engineering disciplines

Design & Documentation

Engineering Software

- 3-D modeling using Solidworks
- Detail drawings using AutoCAD
- Structural analysis using Frame 3DD





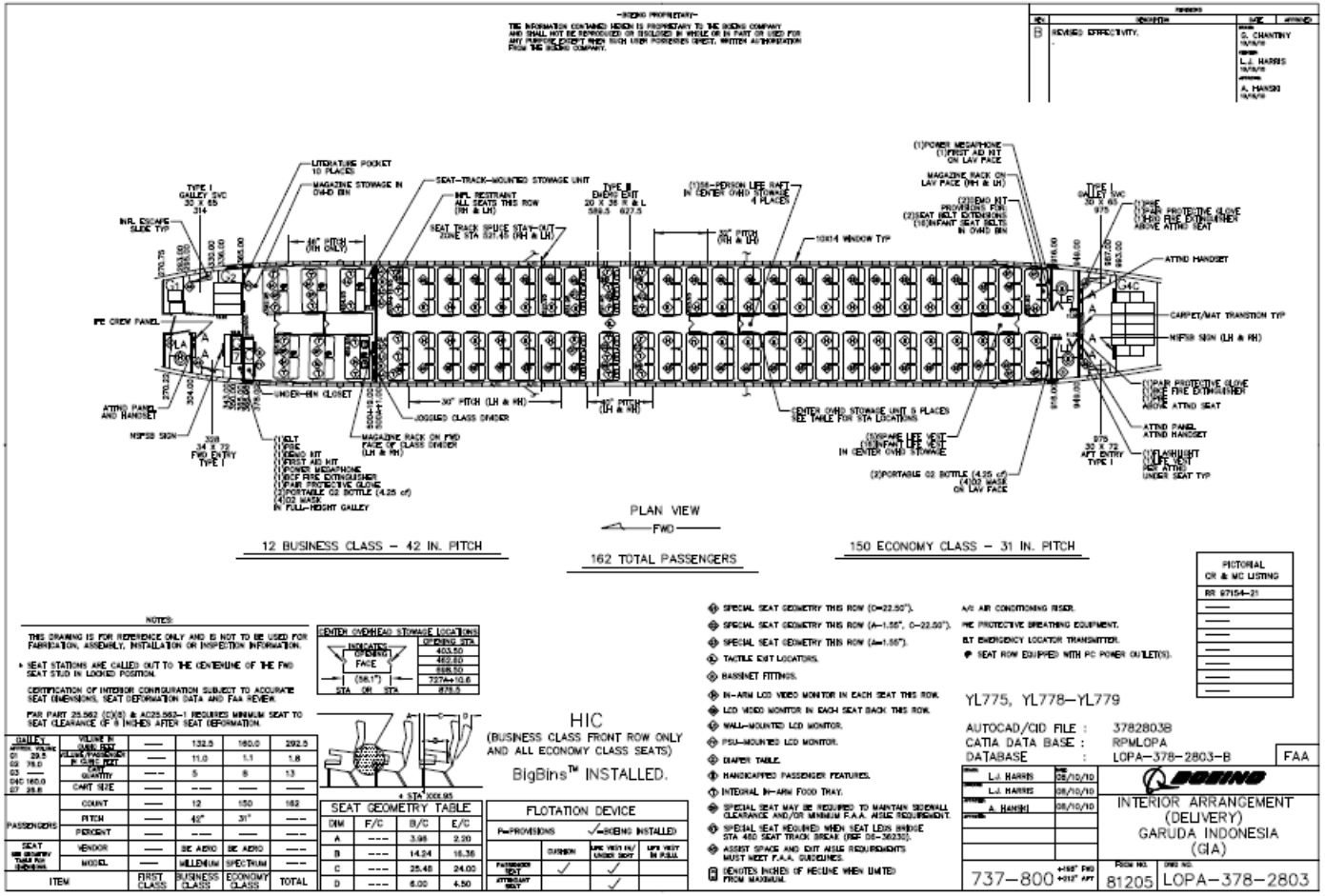
Design & Documentation

Documents –

- •Manufacturing/Certification Drawings
- •Flammability/Fire block Test Plans / Reports
- Static / Dynamic Test Plans and Reports
- Structural Analysis Reports
- Interface Load Analysis
- Modification Instructions
- Repair Instructions
- Component Maintenance Manuals
- Illustrated Parts Catalogs
- Service Bulletins

Design & Documentation

LOPA



Testing

In House

- **FAA Accepted Flammability Test Facility**

in accordance with 14 CFR 25.853(a)

Testing

- Contract with FAA Certified Laboratory
- Fire Block Testing in accordance with 14 CFR 25.853(c)

Testing

In House

- **FAA Static Testing in accordance with 14 CFR 25.561**

Testing

- Contract with FAA Certified Laboratory

- FAA Dynamic Testing in accordance with 14 CFR 25.562

Certification

Certification

- Cabin seating integration changes require:
- Certification & Conformity Inspection Plan
- A LOPA showing the new seating arrangement.
- Additions, deletions or relocations of existing monuments such as class dividers and closets.
- Re-pitching PSUs
- Re-routing seat-to-seat IFE wire harnesses
- Possible emergency escape floor path lighting changes
- Function testing of all electrical changes.
- Possible EMI testing
- AMM, AFM addendums addressing the changes.
- Conformity & compliance inspections

Certification

Continued

- Structural Substantiation Report
- Interface Load Analysis
- Electrical Load Analysis
- Flammability / Fire Block Test Report
- Weight and Balance Report
- Emergency Equipment Layout
- Master Data List (MDL)
- Placard installation drawing
- Seat Installation drawing
- Safety Assessment
- Electrical Wiring Interconnection Systems (EWIS) assessment
- Engineering Authorization (EA)

FAA Certification Support

Regent has an in-house FAA DER for electrical and mechanical systems capable of supporting:

1. Flammability approvals (14CFR 25.853(a) (c))
2. Drawing, LOPA / document approvals
3. IFE data approvals, if required
4. Lighting systems approvals, if required
5. Electrical Load Analysis approvals, if required
6. EMI / RFI testing, if required

Certification Support

Regent has Structures DERs that support:

1. **Structural Substantiation for repairs an modifications.**
2. **Static testing**
3. **Dynamic testing, for 16G seats**
4. **Interface Load Analysis**
5. **Weight and Balance changes, if required**

EASA Certification Support

Additionally, Regent is supported by EASA DOAs for EASA Part 21j Design Approvals for:

1. **Minor Repairs and Alterations**
2. **Drawing, LOPA / document approvals**
3. **Structural Substantiation Report approvals**
4. **IFE data approvals**
5. **Flammability/Fire Block Testing approvals**
6. **Electrical Load Analysis approvals**
7. **EMI / RFI testing**
8. **Interior Compliance approvals**

Certification

STC Certificate

Department of Transportation - Federal Aviation Administration

Supplemental Type Certificate

Number ST01590LA

This Certificate issued to: Regent Aerospace Corporation
28110 Harrison Parkway
Valencia, California 91355

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereto meets the airworthiness requirements of Part 25 of the Federal Aviation Regulations. (*Certification basis is set forth in Type Certificate Data Sheet A2NM)

Original Product Type Certificate Number: A2NM
Make: Boeing Aircraft Company
Model: 757-200 Series

Description of Type Design Change: Installation of modified B/E Aerospace PTC Model 940 seats:

1 - Regent Aerospace Part Number 884378-01, -02 seat assembly front row left hand and right hand.
2 - Regent Aerospace Part Number 884379-01, -02, -04 seat assembly handicap endbay left hand and right hand and special. These installations are in accordance with Regent Aerospace Master Data List 884378 Revision A dated January 9, 2004 or later FAA approved revisions.

Limitations and Conditions: This approval should not be incorporated in any aircraft unless it is determined that the interrelationship between this installation and any previous approved configuration will not introduce any adverse effect upon the airworthiness of the aircraft.

If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

This certificate and the supporting data which is the basis for approval shall remain in effect until

Date of application: August 29, 2003 Date issued:
Date of issuance: February 2, 2004 Date amended:
surrendered, suspended, revoked or a termination date is otherwise established by the Administrator

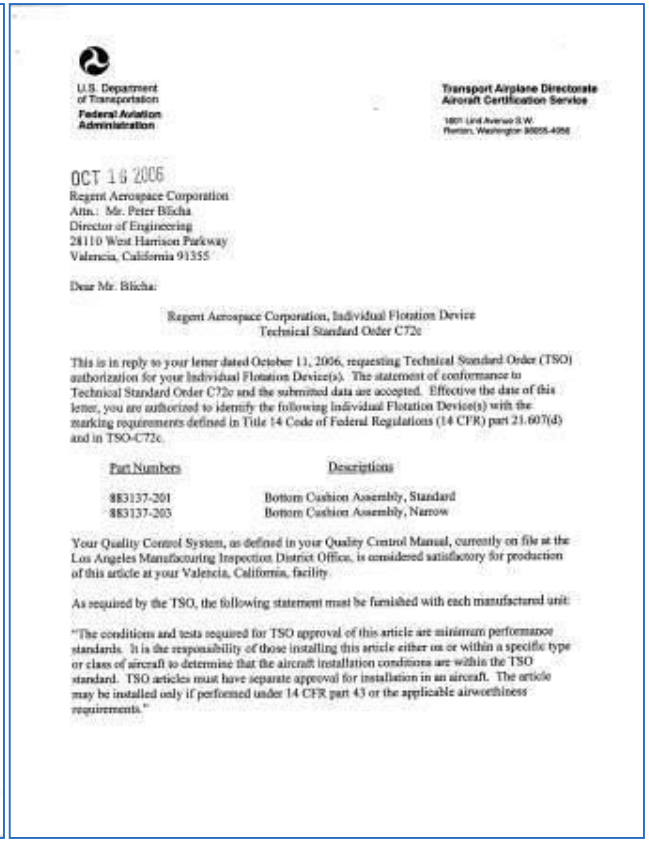
By direction of the Administrator

(Signature)
Manager, Systems & Equipment Branch, Los Angeles Aircraft Certification Office
(Title)

Any alteration of this certificate is punishable by a fine of not exceeding $10,000, or imprisonment not exceeding 3 years, or both.

This certificate may be transferred in accordance with FAR 21.47

TSO Approval



U.S. Department of Transportation
Federal Aviation Administration

Transport Airplane Directorate
Aircraft Certification Service
1601 Lind Avenue S.W.
Renton, Washington 98055-4056

OCT 16 2006

Regent Aerospace Corporation
Attn.: Mr. Peter Blicha
Director of Engineering
28110 West Harrison Parkway
Valencia, California 91355

Dear Mr. Blicha:

Regent Aerospace Corporation, Individual Flotation Device
Technical Standard Order C72c

This is in reply to your letter dated October 11, 2006, requesting Technical Standard Order (TSO) authorization for your Individual Flotation Device(s). The statement of conformance to Technical Standard Order C72c and the submitted data are accepted. Effective the date of this letter, you are authorized to identify the following Individual Flotation Device(s) with the marking requirements defined in Title 14 Code of Federal Regulations (14 CFR) part 21.607(d) and in TSO-C72c.

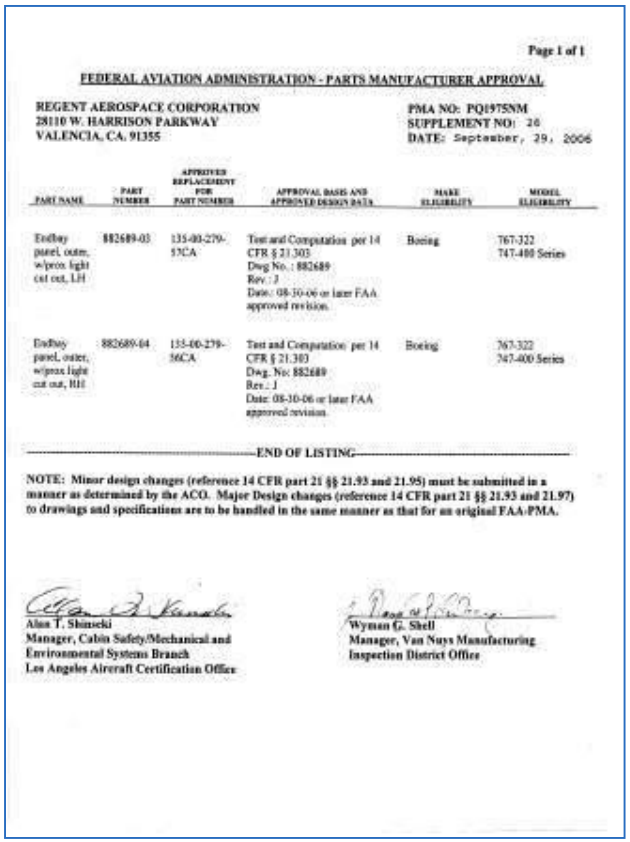
Part Numbers	Descriptions
883137-201	Bottom Cushion Assembly, Standard
883137-203	Bottom Cushion Assembly, Narrow

Your Quality Control System, as defined in your Quality Control Manual, currently on file at the Los Angeles Manufacturing Inspection District Office, is considered satisfactory for production of this article at your Valencia, California, facility.

As required by the TSO, the following statement must be furnished with each manufactured unit:

"The conditions and tests required for TSO approval of this article are minimum performance standards. It is the responsibility of those installing this article either on or within a specific type or class of aircraft to determine that the aircraft installation conditions are within the TSO standard. TSO articles must have separate approval for installation in an aircraft. The article may be installed only if performed under 14 CFR part 43 or the applicable airworthiness requirements."

PMA Supplement



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FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

REGENT AEROSPACE CORPORATION
28110 W. HARRISON PARKWAY
VALENCIA, CA. 91355

PMA NO: PQ1975NM
SUPPLEMENT NO: 26
DATE: September, 29, 2006

PART NAME	PART NUMBER	APPROVED REPLACEMENT FOR PART NUMBER	APPROVAL BASIS AND APPROVED DESIGN DATA	MAKE ELIGIBILITY	MODEL ELIGIBILITY
Endbay panel, outer, w/prox light cut out, LH	882689-03	135-00-279-57CA	Test and Computation per 14 CFR § 21.303 Dwg No.: 882689 Rev.: J Date.: 08-30-06 or later FAA approved revision.	Boeing	767-322 747-400 Series
Endbay panel, outer, w/prox light cut out, RH	882689-04	135-00-279-56CA	Test and Computation per 14 CFR § 21.303 Dwg. No: 882689 Rev.: J Date: 08-30-06 or later FAA approved revision.	Boeing	767-322 747-400 Series

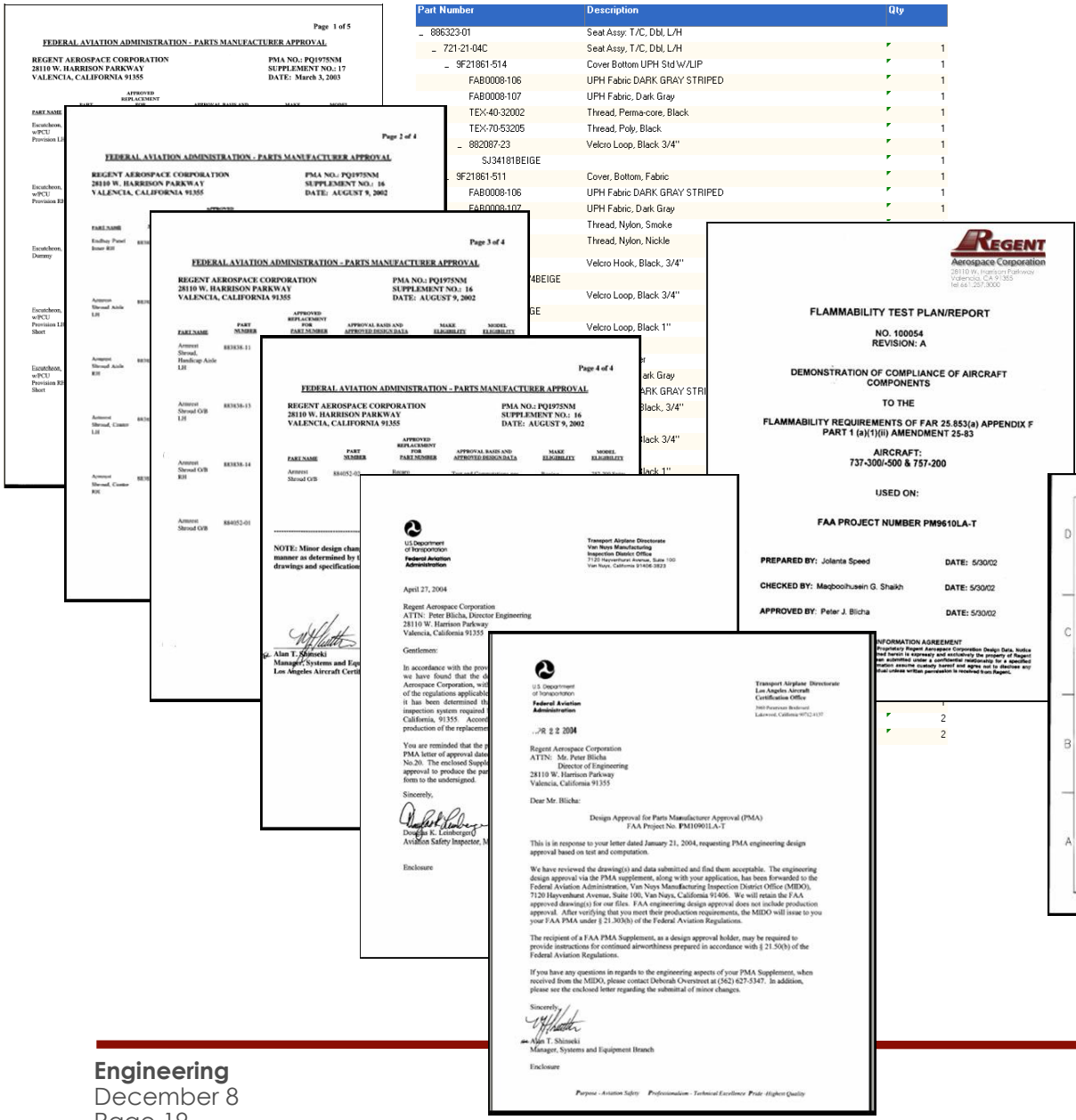
END OF LISTING

NOTE: Minor design changes (reference 14 CFR part 21 §§ 21.93 and 21.95) must be submitted in a manner as determined by the ACO. Major Design changes (reference 14 CFR part 21 §§ 21.93 and 21.97) to drawings and specifications are to be handled in the same manner as that for an original FAA-PMA.

Alan T. Shinseki
Manager, Cabin Safety/Mechanical and Environmental Systems Branch
Los Angeles Aircraft Certification Office

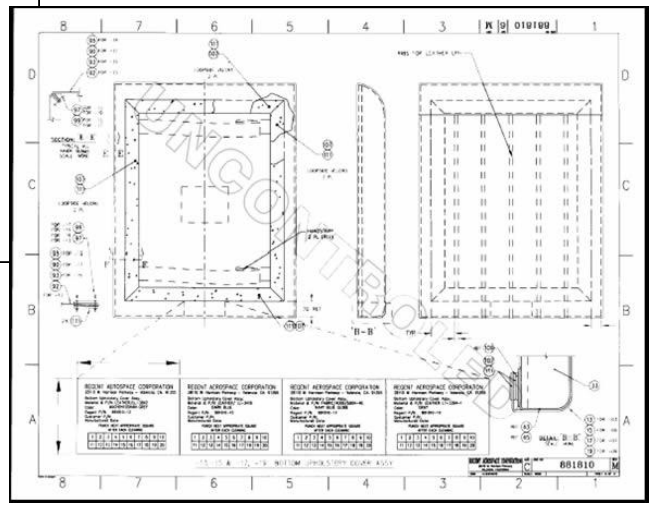
Wyman G. Shell
Manager, Van Nuys Manufacturing Inspection District Office

Certification



Parts Manufacturing Approval

- Drawings – CAD/Solid Modeling
- Fireblock/Flamability 14CFR 25.853 (a)(c)
- Static Testing 14CFR 25.561, TSO-C39(b), NAS 809
- Flotation TSO-C72 (c)
- BOM Creation
- PMA Approval Letters



Regent Owner Operator Parts (OOP)

In order to qualify a replacement part to be used on an aircraft, the FAA requirements are the same for any certification method whether it be PMA, OOP or under 14 CFR Part 43 repair station authority. As such, Regent creates the same documentation and testing to develop parts for any of these methods.

Since most trim and finish sensitive parts are unique to each airline, OOP is a preferred certification method to pursue since these parts will have no application other than for that airline. Regent recommends this method over the PMA process.

Regent OOP Parts

Examples

PCU Touchpad

Food Tray Latch

Regent OOP Parts

Examples

Crew Seat Cushions

Passenger Seat Cushions

Regent OOP Parts

Examples

Vacuum Formed Plastics

Molded Foam Parts

Engineering Support for:

Seating Systems - Passenger

- **Trim & Finish Changes**

Cabin Reconfigurations

Seating Systems - Crew

Flight Attendant Seats

Single Rotating Flight Attendant Seating

Seating Systems - Crew

Captain

Observer

In Flight Entertainment

Galleys

Maintenance and Overhaul

Lavatories

Maintenance and Overhaul

Overhead Bins

Lamination & Refurbishment

Sidewalls

Lamination & Refurbishment

Floor Coverings

Replacement

Mission Statement

Regent Aerospace is committed to be the industry leader in the area of aircraft seating, interior refurbishment, parts support and window repair services.

Individual pride in quality workmanship, teamwork, innovation and an environment that promotes personal and professional growth will build quality into our products and services.

Dedication to these values will carry us to our goal of complete customer satisfaction.