

Revision	Reason for Revision	Section	DCRN Number	Date
N/C	New document – Initial Release	All	127265	11/14/14
A	Section 4.1 clarified test requirement , Section 6.2 added Skandia, INC and Starr Aircraft Products, Inc. as additional preferred test labs, Section 8.1 added each lot test to be in a separate pdf file., Section 8.2 added content server as file destination, Section 8.3 added file naming	ALL	129019	08/31/15
B	Added ITC requirements	3, 8, footer	129287	12/01/15
C	Update test labs, remove portal requirement	All	131238	1/22/18

### 1.0 Purpose

This procedure provides instructions for flammability lot testing of leather material to be used in UTAS Seating Upholstery.

Revisions to this document require UTAS certification engineering approval.

Revisions to this document require supply base notification.

### 2.0 Scope

This procedure applies to all leather material to be used in UTAS Seating Upholstery.

### 3.0 Reference Documents

- Federal Aviation Regulation 14 CFR 25.853(a), Appendix F, Part I
- FAR 25 - Airworthiness Standards: Transport Category Airplanes
- DOT/FAA/AR-00/12 Aircraft Materials Fire Test Handbook, Chapter 1
- 1.4.32 Supplemental Treatment of Leather

### 4.0 Procedures

4.0 All leather materials used in UTAS Seating Upholstery must be lot tested per this procedure and 14 CFR 25.853(a), Appendix F, Part I (a)(1)(ii).

4.1 Lot testing shall be performed at test labs listed in Section 6.0. Requests for an additional test lab shall be approved by the UTAS DER and added to this procedure before using.

4.2 At the discretion of UTAS DERs, supplier may need to meet the requirements of UTAS Procedure 1.4.32 Supplemental Treatment of Leather prior to UTAS accepted test lab lot testing.

### 5.0 Responsibilities

5.1 UTAS Supply Chain: Implementing this procedure at suppliers; leather lot test delivered to approved test labs in Section 6.0, providing leather lot test results to upholstery suppliers for testing performed by UTAS, and providing leather lot testing results completed by suppliers to UTAS Quality Control.

- 5.2 UTAS Suppliers: Ensuring compliance to this procedure; performing or contracting required lot testing at approved labs; communicating acceptance results to UTAS.
- 5.3 UTAS Quality Control: Perform testing on samples sent to UTAS.
- 5.4 UTAS Flammability DERs: Auditing the leather lot testing activity and verifying effectiveness of implementation.

## 6.0 Test Facilities

- 6.1 All flammability tests to demonstrate continued airworthiness to be witnessed by the FAA or its representatives, unless otherwise approved by UTAS Certification Engineering.

- 6.2 UTAS approved test labs:

Goodrich/UTAS Company DER for Flammability  
Marc Mikesell – 719-380-6290 or [Marc.Mikesell@utas.utc.com](mailto:Marc.Mikesell@utas.utc.com)  
Phuong Ta – 719-638-2131 or [phuong.ta@utas.utc.com](mailto:phuong.ta@utas.utc.com)  
1275 N. Newport Rd. Colorado Springs CO 80916

Accufleet Testing Services DER for Flammability  
Shawn King – 281-999-8800 or [shawn.king@accufleet.com](mailto:shawn.king@accufleet.com)  
1959 S. Starpoint Dr. Houston TX 77032

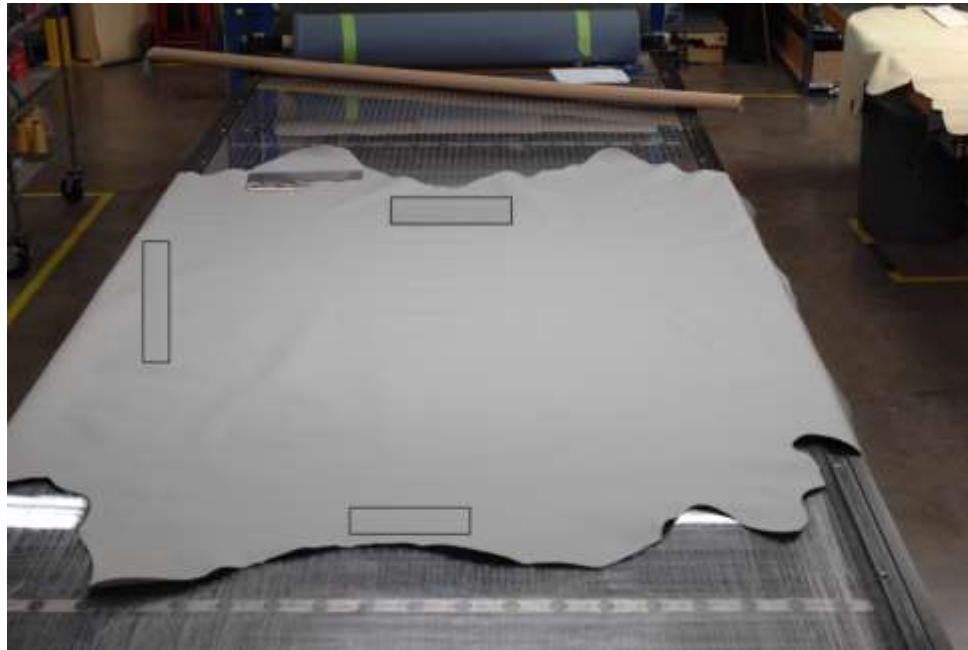
Skandia, Inc. DER for Flammability  
Jennifer Paluzzi 815-393-4600 or [jen.paluzzi@skandiainc.com](mailto:jen.paluzzi@skandiainc.com)  
5000 North Highway 251  
Davis Junction, IL 61020

Starr Aircraft Products, Inc.  
Eric Lunde 903-893-1106 or [elunde@starraircraft.com](mailto:elunde@starraircraft.com)  
5236 North Hwy 1417  
Sherman, TX 75092

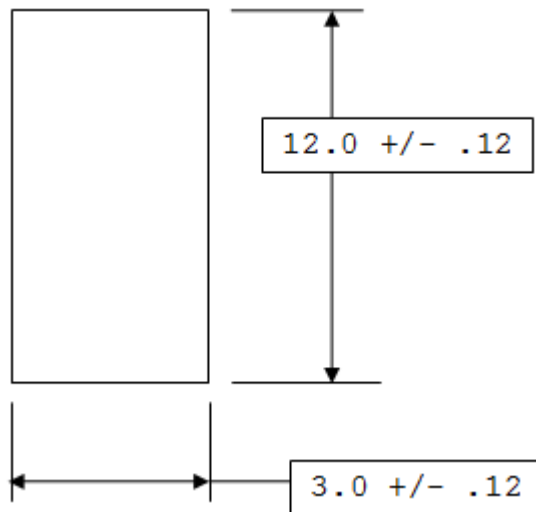
## 7.0 Test Requirements

- 7.1 10% of the hides in a particular inhibitor batch shall be tested.
- 7.2 Test samples shall be randomly selected from the outer edges of the hides (see Figure 1 for approximate locations). The purpose is to randomly select the samples from around the hide leaving the center for production yield.
- 7.3 Test sample sizes are 12 inches x 3 inches per Figure 2.
- 7.4 Test samples are to be mounted in a holding fixture (See Figure 3 and 4) in a manner that limits the ability of the leather to curl away from heat sources.

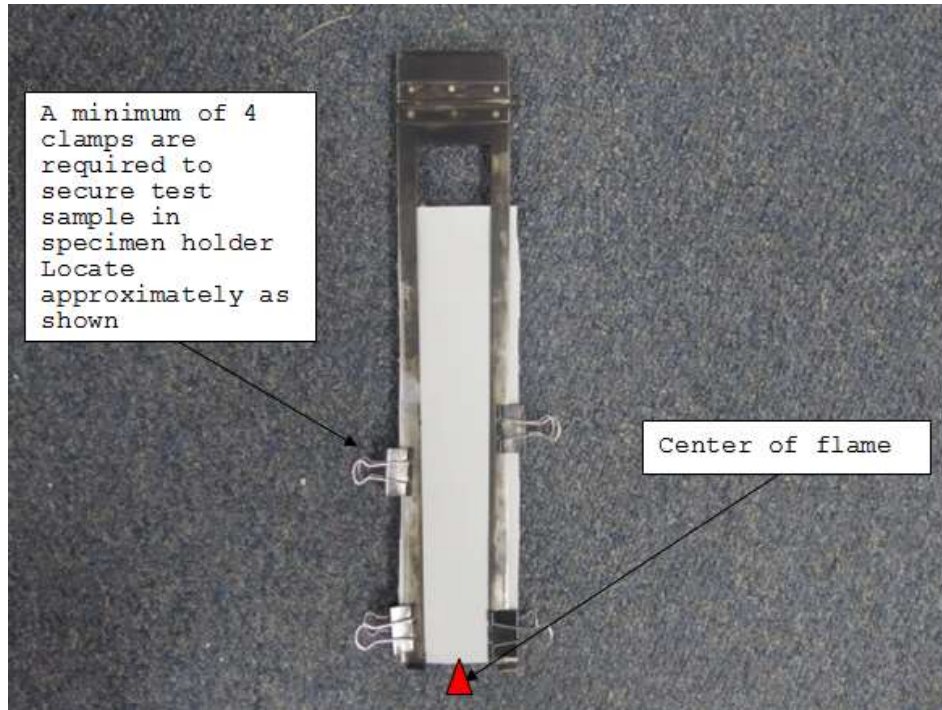
**Figure 1. Test Sample Selection**



**Figure 2. Test Sample Size (Dimensions in inches)**



**Figure 3. Test Sample Clamping**



**Figure 4. Alternate Spring-Loaded Test Sample Clamping**



## 8.0 Data Reporting and Retention

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- 8.1 The Burn Test Certificate(s), including test reports and test data sheets, shall be sent with the shipment / lot to UTAS.

The supplier shall also maintain the Burn Test Certification at the supplier site showing acceptance that the material lot is in compliance with FAR 25.853 (a). The Burn Test Certification shall be available on request.

Shipments of materials (e.g. fabric or leather) from a supplier to an approved UTAS sub-tier supplier must be accompanied by any burn testing documentation. It is the responsibility of the sub-tier supplier to keep records of all burn testing results.

- 8.2 Test data sheets shall contain the following minimum information:
- Test lab name and location
  - The DER witness signature
  - Date of test
  - Traceability information to tested leather (i.e. lots number, PO, Leather manufacturer or Distributor test data)
  - Leather manufacturer or distributor
  - Leather description to include leather manufacturer or distributor part number
  - Burner calibration information
  - Specimen conditioning information
  - Test type
  - Test results
  - Retreat certificate number (if applicable per Section 4.2)