INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

A/C Make:_____ **Model:**_____ **S/N:**_____ **Reg.#:**_____
Revision:_____ **Date:**_____
This sixteen-item checklist is Instructions for Continued Airworthiness (ICA), to comply with FAA Handbook Bulletin for Airworthiness (HBAW 98-18 Dated October 7, 1998), are applicable to the aircraft listed above when the following equipment is installed:
SYSTEM:__UMA, Inc. Electroluminescent (EL) Bezel Instrument Lighting System_____

ITEM	CHECKLIST INFORMATION
1.	**Introduction:** This section briefly describes the aircraft, engine, propeller, or component that has been altered. Include any other information on the content, scope, purpose, arrangement, applicability, definitions, abbreviations, precautions, units of measurement, referenced publications, and distribution of the ICA as applicable. Comment:__**Installation IAW UMA, Inc. Installation documents listed in UMA Documents st2222-MDL and __RTCA DO-160D EL Test Results.doc available at** www.umainstruments.com__
2.	**Description:** Of the major alteration, its functions, including an explanation of its interface with other systems, if any. **Comment**:___Replacement for instrument post lights / Installation of instrument lighting. (Installation does not "appreciably affect weight, balance, structural strength, performance, powerplant operation, flight characteristics, or other qualities affecting airworthiness").
3.	**Control:** Operation information: Or special procedures, if any. **Comment: Lights are installed on a dimmer to set level of instrument illumination to the preference of the pilot flying the plane.**
4.	**Servicing information:** Such as types of fluids used, servicing points, and location of access panels, as appropriate. **Comment:__No service necessary.**
5.	**Maintenance Instructions:** Such as recommended inspection/maintenance periods in which each of the major alteration components are inspected, cleaned, lubricated, adjusted, tested, including applicable wear tolerances and work recommended at each scheduled maintenance period. This section can refer to the manufacturers' instructions for the equipment installed where appropriate (e.g., functional checks, repairs, inspections.) It should also include any special notes, cautions, or warnings, as applicable. **Comment:__Per manufacturer's instruction, check operation on an annual basis. Replace bezel if it fails to light.__**
6.	**Trouble shooting information:** Information describing probable malfunctions, how to recognize those malfunctions, and the remedial actions to be taken. **Comment:____If unit fails to light the leads to the unit were likely damaged during installation, or during maintenance of another item in the panel. Over rated useful life at full intensity of 10,000 hours operation, illumination level will diminish. The rating will be extended by operation at reduced levels.**

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

7.	**Removal and replacement information:** This section describes the order and method of removing and replacing products, parts and any necessary precautions. This section should also describe or refer to manufacturer's instructions to make required tests, trim checks, alignment, calibrations, center of gravity changes, lifting or shoring, etc., if any. **Comment: Refer to manufacturer' installation instructions.**
8.	**Diagrams:** Of access plates and information, if needed, to gain access for inspection. **Comment:**
9.	**Special inspection requirements:** Such as X-ray, ultrasonic testing, or magnetic particle inspection, if required. **Comment: None**
10.	**Application of protective treatments:** To the affected area after inspection and/or maintenance, if any. **Comment: None**
11.	**Data:** Relative to structural fasteners such as type, torque, and installation requirements, if any. **Comment: No change.**
12.	**List of special tools:** Special tools that are required, if any. **Comment: None**
13.	**For commuter category aircraft:** The following additional information must be furnished, as applicable: A. Electrical loads B. Methods of balancing flight controls C. Identification of primary and secondary structures D. Special repair methods applicable to the airplane. **Comment: Electrical Load: 10mA per bezel installed.**

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

14.	**Recommended overhaul periods:** Are required to be noted on the ICA when an overhaul period has been set by the manufacturer of a component, or equipment. If there is no overhaul period, the ICA should state for item 14: "No additional overhaul time limitations." **Comment:** **No additional overhaul time limits**
15.	**Airworthiness Limitation Section:** Include any "approved" airworthiness limitations identified by the manufacturer or FAA Type Certificate Holding Office (e.g., An STC incorporated in a larger field approved major alteration may have an airworthiness limitation.) The FAA inspector should not establish, alter, or cancel airworthiness limitations without coordinating with the appropriate FAA Type Certificate Holding Office. If there are no changes to the airworthiness limitations, the ICA should state for item 15: "No additional airworthiness limitations" or "Not Applicable." **Comment:** **No additional airworthiness limitations.**
16.	**Revision:** This section should include information on how to revise the ICA. For example, a letter will be submitted to the local FSDO with a copy of the revised FAA Form 337 and revised ICA. The FAA inspector accepts the change by signing Block 3 and including the following statement: "The attached revised/new Instructions for Continued Airworthiness (date _____) for the above aircraft or component major alteration have been accepted by the FAA, superseding the Instructions for Continued Airworthiness (date_____). " Once the revision has been accepted, a maintenance record entry will be made, identifying the revision, its location, date of the Form 337. **Comment:**

Note:

Implementation and Record Keeping: For major alterations performed in accordance with FAA Field Approval policy, the owner/operator operating under part 91 is responsible for ensuring that the ICA is made part of the applicable section 91.409 inspection program for their aircraft. This is accomplished when a maintenance entry is made in the aircraft's maintenance record in accordance with section 43.9. This entry records the major alteration and identifies the original ICA location (e.g., Block 8 of FAA Form 337, dated 5/28/98) along with a statement that the ICA is now part of the aircraft's Inspection/maintenance requirements.

For major alterations performed in accordance with a field approval on air carrier aircraft, the air carrier operator is responsible for ensuring that the ICA is made part of the applicable inspection/maintenance program for their aircraft. If a procedure is not currently included in the operator's manual to incorporate ICA, this process will need to be appropriately addressed (i.e. the operator submits a revision to its maintenance program to the applicable certificate-holding district office (CHDO).

For aircraft inspected under an Approved Aircraft Inspection Program (AAIP), the operator will submit a change to the CHDO in accordance with section 135.419 b).

For air carrier aircraft inspected using an annual/100 hour inspection program, a reference to the new ICA will be made in the aircraft's maintenance record in accordance with section 43.9. This entry records the major alteration and identifies the original ICA location (e.g., ICA is located/attached to Block 8 of FAA Form 337, dated 5/28/98). In addition, the operator will request a revision to the operator's Operations Specifications, additional maintenance requirements, which incorporates the ICA into the inspection program.