

REPUBLIC OF INDONESIA

MINISTRY OF TRANSPORTATION
DIRECTORATE GENERAL OF CIVIL AVIATION

Certificate of Approval

Number : 145/61900

This certificate is issued to : PAS Technologies Inc.
Whose business addresses is : 1234 Atlantic Ave, North Kansas City
Missouri 64116, USA
Location of facilities : 1234 Atlantic Ave, North Kansas City
Missouri 64116. USA

Upon finding that the organization complies in all respects with the requirements of the Civil Aviation Safety Regulations relating to the establishment of an approved organization, and is empowered to operate as an :

APPROVED MAINTENANCE ORGANIZATION

With the following ratings : - **Limited Airframe;**
- **Limited Powerplant;**
- **Limited Landing Gear;**
- **Limited Accessories;**
- **Limited Specialized Services;**
- **Limited Non Destructive Testing.**

As specified in Operations Specifications No. 145/61900/02

This approval is not transferable and shall continue in effect for a period of two years from the date of issuance unless cancelled, suspended or revoked by the Director General, and any major change in the basic facilities, or in the location thereof, shall be immediately reported to the Director General.

Date of issuance

On behalf of the Director General of Civil Aviation



YURLIS HASIBUAN

Director of Airworthiness and Aircraft Operation

August 22nd, 2011



MINISTRY OF TRANSPORTATION DIRECTORATE GENERAL OF CIVIL AVIATION

Jalan Medan Merdeka Barat No. 8
Jakarta 10110
PO BOX No : 1389
Jakarta 10013

Phone: + 62 21 3505136
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Fax: + 62 21 3505135
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+ 62 21 3507144

OPERATION SPECIFICATIONS

145/61900/02

I. CONDITIONS

1. Operation of the Approval Maintenance Organization within the scope of this Certificate of Approval is subject to all applicable requirements of Part 145 of Civil Aviation Safety Regulations (CASR).
2. The Accountable Manager, on behalf of the organization, shall be responsible to the Director General of Civil Aviation for ensuring a satisfactory standard of operation of the organization.
3. An Organization with rating and limited rating shall maintain a document containing detailed information regarding its capability for performing maintenance and alterations in accordance with applicable airworthiness requirements, and details the type of work that the organization is capable of performing on aeronautical products. The document shall be in form of Capability List, and shall include complete data relating to, as applicable, the make, model, part name and part number for each aeronautical product within the organization's scope of approval.
4. All work within the scope of this approval must be performed in compliance with all specified requirements for the housing, facilities, equipment, tools, material, technical data, processes, and personnel.
5. All work performed within the scope of this approval to an Indonesian registered aircraft shall be reported to the Directorate General of Civil Aviation in the form of a quarterly report. The report may be mailed to the Directorate of Airworthiness and Aircraft Operation 22nd Floor, Gedung Karya, Jl. Medan Merdeka Barat No.8 Jakarta Pusat 10110 - Indonesia.



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<u>Manufacturer</u>	<u>Make/Model</u>	<u>Limitations</u>
Pratt and Whitney Canada	JT15, PW100, PW300, PW901	Maintenance alteration and inspection of Pratt & Whitney Canada in accordance with approved overhaul manuals and/or repair data.
International Aero Engines	V2500	Maintenance alteration and inspection of V2500 in accordance with approved overhaul manuals and/or repair data.
CFM International	CFM 56	Maintenance alteration and inspection of CFM56 in accordance with approved overhaul manuals and/or repair data.
Rolls Royce	RB211	Maintenance alteration and inspection of RB211 in accordance with approved overhaul manuals and/or repair data
Honeywell International Inc	ATF3 Series	Maintenance alteration and inspection of ATF3 Series in accordance with approved overhaul manuals and/or repair data.

3. Limited Accessories

<u>Manufacturer</u>	<u>Make/Model</u>	<u>Limitations</u>
Garrett	TSCP 700	Maintenance alteration and inspection of Garrett TSCP 700 in accordance with approved overhaul manuals and/or repair data.
Honeywell	RE220	Maintenance alteration and inspection of Honeywell RE220 in accordance with approved overhaul manuals and/or repair data.
Honeywell International Inc.	GTCP36 series	Maintenance alteration and inspection of Honeywell Int'l GTCP36 in accordance with approved overhaul manuals and/or repair data.



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II. SCOPE OF APPROVAL

LIMITED RATINGS

1. Limited Airframe :

<u>Manufacturer</u>	<u>Make / Model</u>	<u>Limitations</u>
Mc Donnell Douglas	DC9, DC10, DC11 MD82	Maintenance alteration and inspection of airframe components parts and subassemblies in accordance with approved overhaul manuals and/or repair data.
Boeing	727, 737, 747, 757, 767, 777	Maintenance alteration and inspection of airframe components parts and subassemblies in accordance with approved overhaul manuals and/or repair data.
Airbus	A310, A320, A318, A319, A321, A300, A300/600	Maintenance alteration and inspection of airframe components parts and subassemblies in accordance with approved overhaul manuals and/or repair data.

2. Limited Powerplant

<u>Manufacturer</u>	<u>Make/Model</u>	<u>Limitations</u>
General Electric	CF6, GE 90	Maintenance alteration and inspection of General Electric in accordance with approved overhaul manuals and/or repair data.
Pratt and Whitney	JT3D, JT8D, JT9D PW2000, PW4000	Maintenance alteration and inspection of Pratt & Whitney in accordance with approved overhaul manuals and/or repair data.
Pratt and Whitney	JT8D series	Dissassembly inspection and repair, reassembly and balancing of stage1/2 fan rotor assemblies i.a.w approved overhaul manuals and/or repair data.



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4. Limited Landing Gear

<u>Manufacturer</u>	<u>Make/Model</u>	<u>Limitations</u>
Boeing	737, 757, 767	Maintenance alteration and inspection of landing gear components parts and subassemblies in accordance with approved overhaul manuals and/or repair data.
Mc Donnell Douglas	MD80	Maintenance alteration and inspection of landing gear components parts and subassemblies in accordance with approved overhaul manuals and/or repair data.

5. Limited Specialized Services.

<u>Manufacturer</u>	<u>Make/Model</u>	<u>Limitations</u>
Thermal Spray Coating	Super Detonation Gun Plasma High Velocity Oxygen Fuel Detonation Gun	Limited to coatings and is to be accomplished i.a.w the manufacturer's maintenance manuals, SBs and other approved technical data.
Machining and Welding	Machining Grinding Electron Beam Welding Manual Gas Tungsten-Arc Welding Plasma Arc Welding	Limited to machining & welding and is to be accomplished i.a.w the manufacturer's maintenance manuals, SBs and other approved technical data.
Shot, Ceramic & GlassBead Peening	Fatigue Strength Stress corrosion resistance and cleaning of surface	Limited to Shot Ceramic & Glass Bead Peening and is to be accomplished i.a.w the manufacturer's maintenance manuals, SBs and other approved technical data.
Prime & Paint	Boeing material standards	Limited to Prime&Paint and is to be accomplished i.a.w the manufacturer's maintenance manuals, SBs and other approved technical data
Cadmium Plating	Low Hydrogen Embrittlement Cadmium	Limited to machining & welding and is to be accomplished i.a.w the manufacturer's maintenance manuals, SBs and other approved technical data



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6. Limited Non Destructive Testing

<u>Manufacturer</u>	<u>Make/Model</u>	<u>Limitations</u>
-	Visual Inspection Liquid Penetrant Magnetic Particle Inspection Ultrasonic Radiography Eddy Current	Limited to NDT and is to be accomplished i.a.w the manufacturer's maintenance manuals, SBs and other approved technical data.

Jakarta, August 22nd, 2011

On behalf of the **DIRECTOR GENERAL OF CIVIL AVIATION**



YURLIS HASIBUAN

Director of Airworthiness and Aircraft Operation

CC : Director General of Civil Aviation.