

# Helicopter Maintenance Support

*A seminar hosted by  
PT Tripilar Solusi Indonesia*



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# Indopelita at Glance

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Pondok Cabe Airport

**2** hangars  
**200 m** runway

BO105  
BEN112  
AW139  
S76A  
SA330J  
AS332C  
BEN206  
BEN205



# Helicopter Operation

Civil  
**170**

Military  
**157**



# Helicopter MRO

Maintenance Expenses p.a. (e)

**US\$ 73,575,000**



# Maintenance Types

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## Service Life-Limited (SLL)

Parts have a finite life as recommended by manufacturers and accepted by regulatory agencies.

## Major Component Overhauls

Major Components or parts at some point in their operation, have significant maintenance (i.e. overhaul) performed.

## Inspections

To ensure continued airworthiness and that certain levels of safety are being met. Manufacturers will recommend inspections, their intervals, and the associated tasks.

## On-Condition

Maintenance activity that involves parts, repairs, and troubleshooting of items that do not have an overhaul interval, a service life limit, or an inspection.

## Engine Restoration

- Periodic line maintenance inspections (100-hour, 300-hour, etc.) and
- Major maintenance (overhaul, interim component inspections).

*Engines also have accessories that require maintenance primarily at the overhaul level.*

## Other Maintenances

- Service Bulletins (SBs)/ Airworthiness Directives (ADs) – Manufacturers, vendors, and/or regulatory authorities will issue a document to address safety issues associated, i.e. PBN;
- Optional/Mission Equipment – Optional or mission equipment to the basic-configured helicopter as offered by the manufacturer and third party vendors.
- Unscheduled



# Concerns on MRO



## **Organization & Management.**

The organization of the repair station (incl. facility & supports) and staffing and personnel issues related to the maintenance workforce.

## **Certification/Regulatory.**

How the repair station ensures compliance with both aviation authority and client requirements.

## **Customer Services.**

How contracts are managed with the clients and what information flows between the two entities.

## **Vendor Management.**

The process and practices of repair stations using subcontractors/vendors on supply chains to complete work.

## **Quality Control.**

Focus on how quality control is maintained for clients in the repair station environment

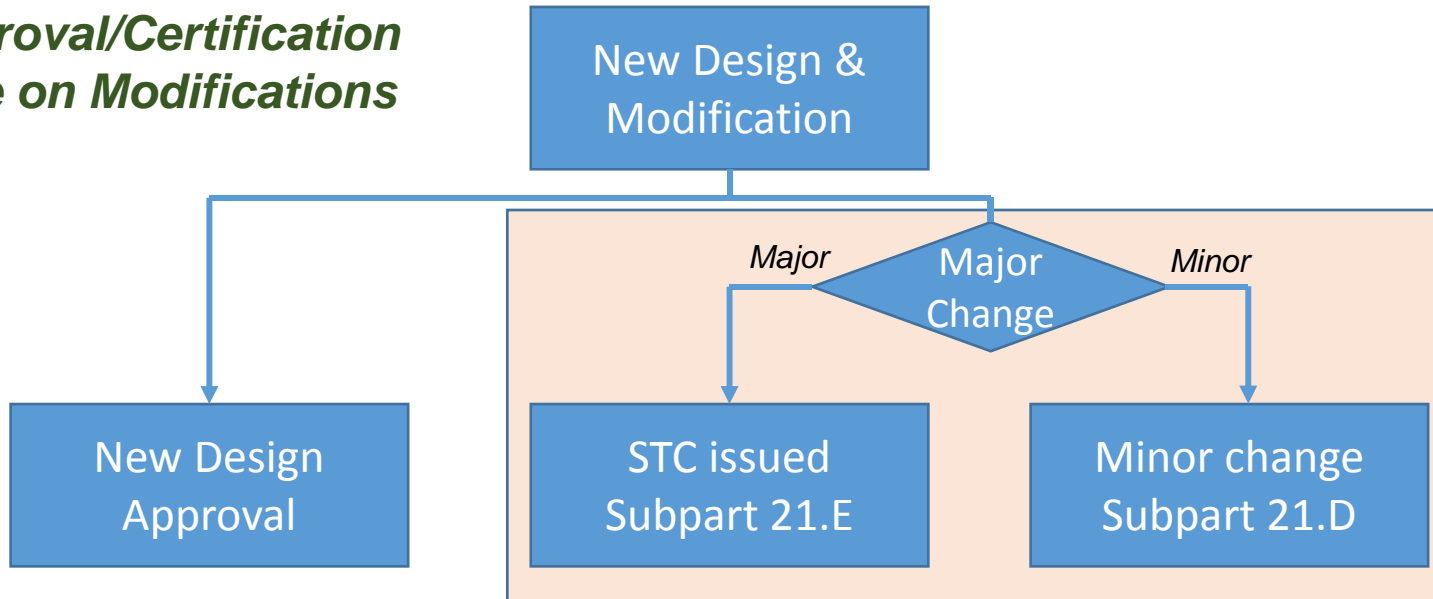


# MRO on PBN Implementation

Aircraft and flight crew have to be qualified against the particular Navigation Specifications required for operation

- PBN requires the use of an **on-board RNAV system**;
- PBN creates requirements for **airworthiness certification and operational approval** to use
- The RNAV system's functionality must conform to the requirements stipulated in the relevant navigation specification.

## *Approval/Certification Rule on Modifications*



# Maintenance Supports

Maintenance

Overhaul

Re-assembly

Repair

Modifications







Thank You

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