CIVIL AVIATION HUMAN RESOURCES DEVELOPMENT CENTER

STRENGHTENING INTERNATIONAL COOPERATION IN ENHANCING AVIATION SAFETY

MINISTRY OF TRANSPORTATION

HUMAN RESOURCE DEVELOPMENT ON TRANSPORTATION AGENCY

CIVIL AVIATION HUMAN RESOURCE DEVELOPMENT CENTER AND TRAINING CENTERS

ICAO TRAINAIR PLUS

FULL MEMBER

Indonesia	Air Transportation Human Resources Development Center (ATHRDC)	English	209/029/SMS RMP	Ramp Safety Awareness	
Indonesia	Air Transportation Human Resources Development Center (ATHRDC)	English	052/068/ATC TWR REF	Aerodrome Controller Refresher Course	

EDUCATION & TRAINING:

Aircraft Airworthiness & Operation

- Pilot
  - Fixed Wing
  - Rotary Wing
- Flight Operation Officer (FOO)
- Aircraft Engineer

Air Navigation

- Air Traffic Controller (ATC)
- ATSEP
- AIS
- FSO

Airport

- Airport Electrical Engineer
- Airport Civil Engineer
- Airport Mechanical Engineer
- ARFF
- Airport Management

Aviation Security

- Aviation Security
- Dangerous Goods

Air Transport

- Air Transportation Administration
- Air Transportation Management

Challenges:

https://www.flightradar24.com/

Challenges:

Source: http://www.boeing.com/

Challenges:

CO_2 Emissions from International Aviation
CO_2 Emissions (million tons)
500
400
300
200
100
0
1990
1995
2000
2005
2010
Manufacturing and Construction 20%
Others 11%
Other Energy Industry own use 5%
Electricity and Heat 42%
Transport 22%
Road 16%
International Aviation 2%
International Marine 2%
others 2%
Emissions by Sector (2010)
source: IEA

Challenges:

https://aviation-safety.net

Summary:

Accidents	16687
Criminal Occurrences (excl. hijackings)	967
Hijackings	1071
Incidents	please see the Wikibase for incidents
Other occurences	920
Unknown occurences	582
TOTAL	20227

last updated: 29 May 2016

Domestic Aviation Industry - Challenge & Opportunity

	2009	2010	2011	2012	2013	2014
DATANG	345.158	473.984	527.440	514.006	556.799	40.439
BERANGKAT	348.766	474.959	527.910	512.129	555.438	40.526

	2009	2010	2011	2012	2013	2014
DATANG	33.985.165	43.761.634	57.885.847	60.620.926	58.920.439	2.479.000
BERANGKAT	33.593.017	42.690.966	53.311.102	56.761.230	56.118.519	2.665.567

- Developing15 New Airport
- Development for Cargo Handling in 9 Location
- Build/ Develop Airport in 100 Location
- Build/ Develop passenger terminal building in 26 Airport

Source: Directorate of Air Transport; Final Report Master Plan of ATHRDC – Arghajata Consulting 2013

HRDTA Strategies on Civil Aviation Human Resource Development Programme

Strategy

Human Resource

- Adequate quality and quantity of Lecturers/instructor and supporting staff
- Public animo to enter in aviation school

Traning Operational

- Adequate infrastructure and simulator for practice
- Due to the aviation school are expensive, Government support on cost operation subsidyare important.
  - Standardised curriculum over nation which comply with an international standards.
    - Increase school capacity by new flying school and additional training area

Best Perform Quality of Aviation School

Policy

- Policy that support the establishment of aviation training school.
- Accreditation procedur
- Masterplan on developing aviation human resource.

Management System

- Coordination between industry and aviation school, it implies from the number of graduates which have been absorbed by the aviation industry
- Committed organisation structure to organise an aviation training school
- Competition to other aviation training school

Strategy & Milestone on Civil Aviation Human Resource Development Programme

Strategy

1. Increase capacity of aviation school to meet requirement

2. International training co-operation both for training and instructure upgrading Maintain instructor skill and license/rating

3. Establish training system and standar (comprehensive curriculum contains national and international standars and regulations
   - Encourage private participation to produce aviation professional
   - Issuance of licenses and ratings rigorously
   - Develop comprehensive master plan for public aviation school under HRDTA's supervision

4. Improve training facilities

Milestone

2013 : Establishment of Pilot Training School at Loka Banyuwangi
2014 : Establishment of flight training area at Japura Rengat Airport

2012 : ICAO Trainair Plus Associate (Silver Grade)

2014: ICAO Trainair Plus Full Member (Gold Grade)

2012-2013: Ministry of Transportation has approved a budget for IDR138 billion **to purchase 20 aircrafts** for training activities and a further IDR300 billion for **two simulators**

2012: *"Institutional Strengthening of the Indonesian Civil Aviation Institute (ICAI)"* projectthat increase capacity of CNS, ATM and QMS

2011: Boeing agreed to give offset program, including transfer of technology, counter trade, or opening a research & development center in Indonesia

2012-now :Fellowship training programs for Developing Countries of ICAO Member States

2014 : EASA Standard for Flight Engineer Training
2015 : Procurement of 51 new training aircraft system

THANK YOU