mutu *certification*
i n t e r n a t i o n a l

PT MUTUAGUNG LESTARI

Workshop: Upcoming Challenges for CORSIA
Emission Reporting and Verification
Bangkok 2 - 4 July 2019
www.mutucertification.com

PT MUTUAGUNG LESTARI

- ✓ Established in 1990 to present

- ✓ National Company as Conformity Assessment Body in Indonesia

- ✓ Accredited by NAB for ISO 17021, ISO 17065, ISO 17020, ISO 17025, and **ISO 14065**

- ✓ Accredited by ASI for RSPO

- ✓ Appointed as Third Party Entity (TPE) in Joint Crediting Mechanism (JCM)

- ✓ Provides for > 40 certification schemes

> **MUTU EXPERIENCE ON GHG VERIFICIATION and related carbon scheme**

✓ ISO 14064

✓ Joint Crediting Mechanism (JCM)

✓ Related carbon related assessment:
  ▪ ISCC scheme → EU certification system on carbon emission – more than 70 client with active certificates
  ▪ RSPO → palm oil certification : one of the certification scheme requirement is reducing carbon emission from palm oil operation – more 100 clients

WHY CHOOSING US

Recognized by national and international accreditation body

>40 Schemes

9 National Branches

4 Overseas Branches

PT Mutuagung Lestari

KAN
LVV-001-IDN

asi
accredited
ASI-ACC-055

MAFF
Ministry of Agriculture,
Forestry and Fisheries
農林水産省

JCM
JOINT CREDITING MECHANISM
INDONESIA SECRETARIAT

ISCC
International Sustainability
& Carbon Certification

bmtrada

CERTIFIED SUSTAINABLE PALM OIL
RSPO
8-0082-08-100-00

WHAT'S FIRST GOING ON

✓ Socialization of CORSIA by DGCA Indonesia happen last year

Intensive workshop and seminar on CORSIA organized by DGCA for Verification Body, National Accreditation Body, Airline Operator

✓ Information on any CORSIA workshop, training, seminars held overseas actively shared by DGCA Indonesia

UNDERSTANDING OF CORSIA SCHEME on ITS REQUIREMENT and IMPLEMENTATION

WHAT'S GOING ON

➤ Intense communication with DCGA of Indonesia and CORSIA related parties
- Some workshop and seminar related to CORSIA in the last one semester – intensively organized by DCGA of Indonesia, EASA

➤ CORSIA training schedule organized by DGCA of Indonesia

➤ The requirement of CORSIA is straight forward and clear to comply with – its day to day of operation of aviation industry

WHAT HAVE TO BE DEAL WITH

- Bunch of information → need effort to speed the understanding on what is CORSIA and what is the requirement
- Tight time line → second semester in 2018 socialization

    due on semester 2 of 2019 get the accreditation as CORSIA Verification Body and listed in ICAO website : need for marketing need

    early 2020 – CORSIA verification will start

- Needed human resources for CORSIA, training is needed
- Additional accreditation requirement is needed related to CORSIA

HOW TO COPE

- ✓ Understanding the requirement of accreditation requirement is set up under requirement stated on ICAO Annex 16 Vol IV as well as other requirement set by NAB

- ✓ Try to gather as much as information on CORSIA → actively attend workshop, seminar, meeting held in country and overseas

- ✓ Communicate closely with the DGCA Indonesia and National Accreditation Body on Accreditation Progress and Process on what support we still need :
    - ▪ Training for CORSIA Verifier → it is scheduled by DGCA and NAB

        The training includes the basic aviation knowledge
    - ▪ Accreditation requirement set up by NAB
    - ▪ Technical knowledge on aviation → DGCA invite Verification Body in couple of meeting with aeroplane operator
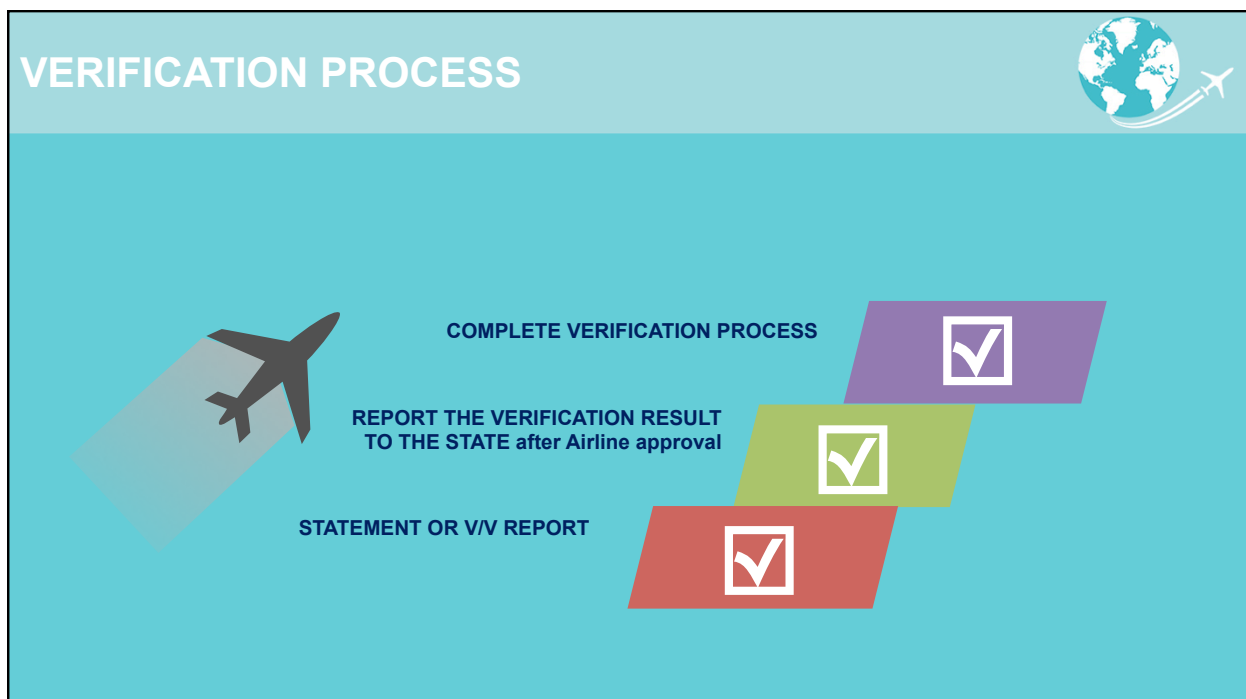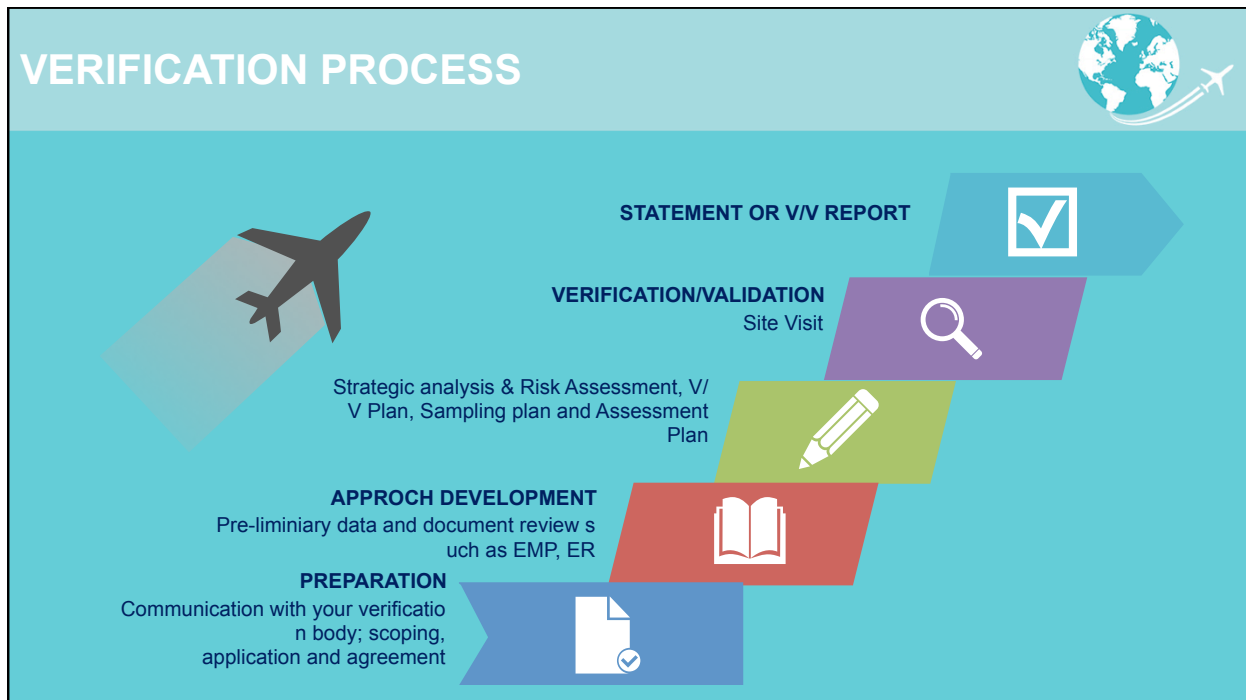
HOW TO COPE

- ✓ Preparing the competent verifier for CORSIA
  - ▪ Send verifier for attending the CORSIA training organized under ICAO and training held by the DGCA of Indonesia
  - ▪ Sending the verifier to attend the technical meeting held by DCGA of Indonesia

- ✓ Preparing the Technical Aviation Expertise

- ✓ Start to build communication with local airline with EMP obligation

UPDATE ON THE ACCREDITATION PROGRESS FOR CORSIA:

- Has been accredited as Verification Body by NAB under ISO 14065 – need ex tension scope accreditation for CORSIA
- 1st Verification Body registered for CORSIA application in Indonesia
- On process of CORSIA accreditation with Indonesia National Accreditation Body
- Competent Auditor :
  Have a competent Verifier trained by JATO – ICAO
  More Verifier will join the training held by DGCA of Indonesia

VERIFICATION PROCESS

STATEMENT OR V/V REPORT

VERIFICATION/VALIDATION
Site Visit

Strategic analysis & Risk Assessment, V/V Plan, Sampling plan and Assessment Plan

APPROCH DEVELOPMENT
Pre-liminiary data and document review such as EMP, ER

PREPARATION
Communication with your verification body; scoping, application and agreement

VERIFICATION PROCESS

COMPLETE VERIFICATION PROCESS

REPORT THE VERIFICATION RESULT TO THE STATE after Airline approval

STATEMENT OR V/V REPORT

CONCLUSION

- ✓ Specific and straight forward requirement

- ✓ Day to day airline operation with adjustment to CORSIA requirement → database and documentation system

- ✓ 5 GHG calculation method
  - • Option to choose the most suitable one with current airline operation
  - • Clear and simple calculation methodology provide

- ✓ Generic template of Emission Report and Verification Report are available from ICAO.
- ✓ The verification process is clear in each step, simple to follow

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mutu certification
international

" # LET'S VERIFY WITH US

ghgservices@mutucertification.com