

KEMENTERIAN PERHUBUNGAN
DIREKTORAT JENDERAL PERHUBUNGAN UDARA

PERATURAN DIREKTUR JENDERAL PERHUBUNGAN UDARA

NOMOR : KP 137 TAHUN 2016

TENTANG

PETUNJUK TEKNIS BAGIAN 8900 - 3.552 (*STAFF INSTRUCTION 8900 - 3.552*)
TENTANG ADMINISTRASI DAN PENGENDALIAN PENGELASAN PESAWAT
UDARA DAN UJI TAK RUSAK (UTR) (*ADMINISTRATION AND CONTROL OF
AIRCRAFT WELDING AND NON DESTRUCTIVE TESTING (NDT)*)

DENGAN RAHMAT TUHAN YANG MAHA ESA

DIREKTUR JENDERAL PERHUBUNGAN UDARA,

- Menimbang :
- a. bahwa dalam Peraturan Menteri Perhubungan Nomor KM 17 Tahun 2009 tentang Peraturan Keselamatan Penerbangan Sipil Bagian 145 Amandemen 3 (*Civil Aviation Safety Regulations Part 145 Amendment 3*) tentang Organisasi Perusahaan Pesawat Udara (*Approved Maintenance Organizations*) sebagaimana telah diubah dengan Peraturan Menteri Perhubungan Nomor PM 164 Tahun 2015 telah mengatur ketentuan mengenai pengelasan pesawat udara dan uji tak rusak (UTR);
 - b. bahwa dalam rangka memberi panduan bagi personel Direktorat Kelaikudaraan dan Pengoperasian Pesawat Udara dalam proses dan prosedur pengelasan pesawat udara dan uji tak rusak (UTR);

- c. bahwa untuk melaksanakan hal sebagaimana dimaksud pada huruf a dan b, perlu ditetapkan Peraturan Direktur Jenderal Perhubungan Udara tentang Petunjuk Teknis Bagian 8900 - 3.552 (*Staff Instruction 8900 - 3.552*) Tentang Administrasi Dan Pengendalian Pengelasan Pesawat Udara Dan Uji Tak Rusak (UTR) (*Administration And Control Of Aircraft Welding And Non Destructive Testing (NDT)*);

Mengingat :

1. Undang-Undang Republik Indonesia Nomor 1 Tahun 2009 tentang Penerbangan (Lembaran Negara Republik Indonesia Tahun 2009 Nomor 1, Tambahan Lembaran Negara Republik Indonesia Nomor 4956);
2. Peraturan Presiden Nomor 7 Tahun 2015 tentang Organisasi Kementerian Negara (Lembaran Negara Republik Indonesia Tahun 2015 Nomor 38);
3. Peraturan Presiden Nomor 40 Tahun 2015 tentang Kementerian Perhubungan (Lembaran Negara Republik Indonesia Tahun 2015 Nomor 75);
4. Peraturan Menteri Perhubungan Nomor KM 17 Tahun 2009 tentang Peraturan Keselamatan Penerbangan Sipil Bagian 145 Amandemen 3 (*Civil Aviation Safety Regulations Part 145 Amendment 3*) tentang Organisasi Perusahaan Pesawat Udara (*Approved Maintenance Organizations*) sebagaimana telah diubah dengan Peraturan Menteri Perhubungan Nomor PM 164 Tahun 2015;
5. Peraturan Menteri Perhubungan Nomor PM 189 Tahun 2015 tentang Organisasi dan Tata Kerja Kementerian Perhubungan;

MEMUTUSKAN:

Menetapkan : PERATURAN DIREKTUR JENDERAL PERHUBUNGAN UDARA TENTANG PETUNJUK TEKNIS BAGIAN 8900 - 3.552 (*STAFF INSTRUCTION 8900 - 3.552*) TENTANG ADMINISTRASI DAN PENGENDALIAN PENGELASAN PESAWAT UDARA DAN UJI TAK RUSAK (UTR) (*ADMINISTRATION AND CONTROL OF AIRCRAFT WELDING AND NON DESTRUCTIVE TESTING (NDT)*).

Pasal 1

Memberlakukan Petunjuk Teknis Bagian 8900 - 3.552 (*Staff Instruction 8900 - 3.552*) Tentang Administrasi Dan Pengendalian Pengelasan Pesawat Udara Dan Uji Tak Rusak (UTR) (*Administration And Control Of Aircraft Welding And Non Destructive Testing (NDT)*) sebagaimana tercantum dalam Lampiran yang merupakan bagian tak terpisahkan dari Peraturan ini.

Pasal 2

Pada saat Peraturan ini mulai berlaku, ketentuan dalam Volume 2 Bab 5 dan Bab 7 Peraturan Direktur Jenderal Perhubungan Udara Nomor SKEP/44/III/2010 tentang *Staff Instruction 8300 Airworthiness Inspector's Handbook*, dicabut dan dinyatakan tidak berlaku.

Pasal 3

Direktur Kelaikudaraan dan Pengoperasian Pesawat Udara mengawasi pelaksanaan Peraturan ini.

Pasal 4


Peraturan ini mulai berlaku pada tanggal ditetapkan.

Ditetapkan di : Jakarta
pada tanggal : 11 April 2016

DIREKTUR JENDERAL PERHUBUNGAN UDARA

ttd.

SUPRASETYO

Salinan sesuai dengan aslinya
KEPALA BAGIAN HUKUM,

RUDI RICHARDO, S.H, M.H
Pembina Tk. I (IV/b)
NIP. 19670118 199403 1 001

LAMPIRAN

PERATURAN DIREKTUR JENDERAL PERHUBUNGAN UDARA

NOMOR : KP 137 TAHUN 2016

TENTANG

PETUNJUK TEKNIS BAGIAN 8900 - 3.552 (*STAFF INSTRUCTION 8900 - 3.552*) TENTANG ADMINISTRASI DAN PENGENDALIAN PENGELASAN PESAWAT UDARA DAN UJI TAK RUSAK (UTR) (*ADMINISTRATION AND CONTROL OF AIRCRAFT WELDING AND NON DESTRUCTIVE TESTING (NDT)*)

TANGGAL : 11 APRIL 2016

Staff Instruction

SI 8900 – 3.552

**Administration and Control of Aircraft
Welding and Non Destructive Testing (NDT)**

Amendment : 0

Date : March 2016

REPUBLIC OF INDONESIA – MINISTRY OF TRANSPORTATION

DIRECTORATE GENERAL OF CIVIL AVIATION

JAKARTA – INDONESIA

FOREWORD

1. **PURPOSE** : This Staff Instruction has been prepared to guide and assist applicable personnel of the Directorate of Airworthiness and Aircraft Operations, Directorate General of Civil Aviation, in the processes and procedures leading to Administration and Control of Aircraft Welding and Non Destructive Testing (NDT).
2. **REFERENCES** : This Staff Instruction should be used in accordance with the applicable regulations.
3. **CANCELLATION** : SI 8300 Volume 2 Chapter 5 and Chapter 7, have been canceled.
4. **AMENDMENT** : The amendment of this Staff Instruction shall be approved by the Director General of Civil Aviation.

DIREKTUR JENDERAL PERHUBUNGAN UDARA

ttd.

SUPRASETYO

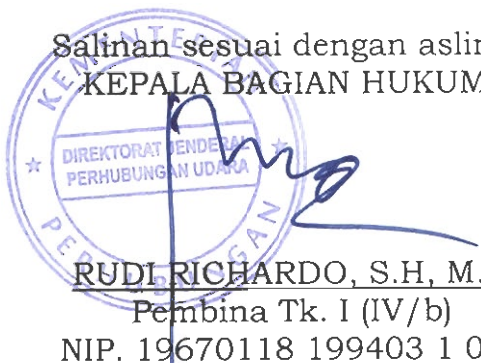
Salinan sesuai dengan aslinya
KEPALA BAGIAN HUKUM,

RUDI RICHARDO, S.H, M.H
Pembina Tk. I (IV/b)
NIP. 19670118 199403 1 001

TABLE OF CONTENTS

FOREWORD..... i

TABLE OF CONTENTS ii

1. Background..... 1

2. Who can perform welding / non-destructive testing?..... 1

3. Tools, Equipment and Data..... 2

4. Procedures..... 2

5. Approved Maintenance Data..... 2

6. Contractors..... 2

7. Recommendation 2

Administration and Control of Aircraft Welding and Non Destructive Testing (NDT)

1. Background

The subject of administration and control of aircraft welding and non-destructive testing (NDT) activities are aspects of maintenance that are not clearly understood by many people.

2. Who can perform welding / non-destructive testing?

Welding and NDT maintenance functions are required to be physically performed by a person who has been trained, examined, and checked for competency in the welding or NDT method and/or particular task. The person must also be authorized by an Authorized Person to perform the maintenance.

The authorization normally takes the form of an internal company authorization issued by a person who has authorization from National Standardization Agency of Indonesia (BSNI) or International Organizations for Standardization (ISO) Standard or others International Standard (e.g. ASME, AWS, CEN, AS/NZS, BS, ASNT, ASTM) for Welding and Non Destructive Test (NDT).

Welding and NDT Authorities issued by DGCA are granted to individual persons and they are normally transportable. Transportable means that the person can use the DGCA issued Authority in any Approved Maintenance Organization (AMO) or in a few limited circumstances for welding or NDT, under the control of a Aircraft Maintenance Engineer License (AMEL) within a particular maintenance organization.

Note: It should be noted that the limitations placed on carrying out maintenance under CASR Part 43 and CASR Part 145. These prohibit most welding and NDT tasks that are not performed under the control of a CASR Part 65 Certificate of Maintenance Approval (COMA) holder.

Welding and NDT authorities and authorizations do not in themselves give the person the authority to make a final certification of the maintenance, only to physically perform and certify for that particular aspect of the maintenance that was carried out under the control of the AMO or AMEL. It is the responsibility of the AMO or supervising AMEL to ensure that their

Certificate of Maintenance Approval (COMA) or License privileges cover the maintenance that the Welder or NDT person is performing.

3. Tools, Equipment and Data

The AMO or AMEL must also ensure that any person under their control, including a Welder or NDT specialist, has the qualifications, training and experience to perform any maintenance that is carried out. They must also ensure that these persons have, or are provided with, the appropriate tools, approved maintenance data, facilities and equipment.

4. Procedures

All AMOs that carry out any welding or NDT tasks, even if only from time to time, must have procedures within their written system of quality control that show how the processes are controlled. If they do not have these procedures they must not carry out the maintenance.

5. Approved Maintenance Data

Welding and NDT must be carried out in accordance with approved maintenance data. Where new welding or NDT procedures are produced, or equipment that is different from that recommended by the aircraft or component manufacturer is to be used, written approval from DGCA.

6. Contractors

Like any other form of maintenance, welding and NDT can be carried out by a third party for an AMO. This may be:

- Another AMO that issues a release document or, certifies for the maintenance under its own certificate. or
- An organization that may have the qualified staff and facilities to be able to physically carry out the maintenance but not have a CASR 145 Certificate of Approval covering the maintenance.

In either case the AMO's system of quality control procedures must indicate how it controls the welding and/or NDT when carried out under an agreement.

7. Recommendation

It is recommended that all persons carrying out or controlling welding or NDT ensure that their Certificate of Approval issued under CASR 145, and

the associated system of quality control, covers any aircraft welding or NDT they intend to carry out and that the welding and NDT is performed by appropriate persons holding Authorities or authorizations.

AMEL's certifying for maintenance outside an approved maintenance organization that has included welding or NDT must also ensure that the welding and NDT has been performed by persons holding appropriate Authorities or authorizations from Standardization agency of welding or NDT (national or international standard agency).

DIREKTUR JENDERAL PERHUBUNGAN UDARA

ttd.

SUPRASETYO



Salinan sesuai dengan aslinya
KEPALA BAGIAN HUKUM,

RUDI RICHARDO, S.H, M.H

Pembina Tk. I (IV/b)

NIP. 19670118 199403 1 001