

Ersatz für Ausgabe 2024-10

Supersedes 2024-10 issue

**Scope of Work / Capability List
des Instandhaltungsbetriebs nach
EASA Teil 145, 14 CFR part 145
und CAA UK Part 145**

MTU Geschäftsgeheimnis

**Scope of Work / Capability List of the
Maintenance Organization i.a.w.
EASA Part 145, 14 CFR part 145
and CAA UK Part 145**

MTU Proprietary Information

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1 Anwendungsbereich

Diese Norm gilt an den in folgender Tabelle gekennzeichneten Standorten:

MTU Aero Engines AG München (and associated facilities)	MTU Aero Engines Polska
X	X

Diese Norm gilt für alle Mitarbeiter der MTU Aero Engines AG, die Arbeiten im Rahmen der folgenden Instandhaltungsgenehmigungen ausführen:

- DE.145.0019 (EASA Teil 145)
- CK5Y782M (14 CFR Part 145)
- UK.145.01629 (CAA UK Part 145)

1 Scope

This standard shall apply at the locations marked "X" in the table below.

This standard shall be observed by all MTU Aero Engines AG employees who perform work under the following maintenance organization approvals:

- DE.145.0019 (EASA Part 145)
- CK5Y782M (14 CFR Part 145)
- UK.145.01629 (CAA UK Part 145)

Translation remark

This specification provides a translated (equivalent) version in English; any perceived discrepancy or dispute as to the intent of the English version shall be resolved by reference to the original German version

Fortsetzung Seite 2 und/bis 7
Continued on pages 2 and/to 7

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MTU Aero Engines AG

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Sie gilt für alle im Abschnitt 6 genannten Betriebsstätten.

It applies to all locations listed in clause 6.

2 Mitgeltende Unterlagen

2 Applicable documents

MTT197-DP-List	Annex to Capability List of the Maintenance Organization (MTT197) DE.145.0019/CK5Y782M/UK.145.01629 (facility Munich)
MTT197-DP-List-Jasionka	Annex to Capability List of the Maintenance Organization (MTT197) DE.145.0019/CK5Y782M/UK.145.01629 (facility Jasionka)
MTT197-DP-List-GP7200	Annex to Capability List of the Maintenance Organization (MTT197) DE.145.0019/CK5Y782M (facility Munich)
MTT197-DP-List-TP400	Annex to Capability List of the Maintenance Organization (MTT197) DE.145.0019 (facilities Munich and Ludwigsfelde)
MTT197-DP-List-PW1100G-JM	Annex to Capability List of the Maintenance Organization (MTT197) DE.145.0019/CK5Y782M (facility Munich)

3 Aufgabenstellung

3 Objective

MTU Aero Engines AG darf Freigabebescheinigungen nur für Tätigkeiten und Baumuster ausstellen, für die sie von der zuständigen Luftfahrtbehörde eine Genehmigung besitzt. Der Umfang dieser genehmigten Instandhaltung ist in den Anhängen der Genehmigungsurkunden der MTU, sowie detailliert in dieser Vorschrift aufgeführt.

MTU Aero Engines AG may issue release certificates for aeronautical equipment only to the extent the maintenance work and engine types involved are covered by the authorization/approval of the cognizant aviation authority. The maintenance work covered by the approvals is listed in the annexes to MTU' approval certificates and detailed in this standard.

Diese Arbeitsanweisung enthält die gemeinsame Liste mit dem Scope of work und der Capability List für die im Abschnitt 1 genannten Genehmigungen der MTU.

This work instruction covers the joint list that details the scope of work and capability list covered by the approvals listed in clause 1 held by MTU.

Für die in der Spalte „Rating“ mit „n/a“ gekennzeichneten Bauteile/Verfahren besteht keine Genehmigung der jeweiligen Behörde zur Instandhaltung/Prüfung; eine EASA Form 1 mit „dual release“ oder eine CAA UK Form 1 darf daher nicht ausgestellt werden.

“n/a” in the “Rating column” signifies that MTU does not hold an authorization of the relevant authority to carry out the process listed or perform maintenance work/inspections on the components involved, i. e. that MTU Aero Engines is not authorized to issue an EASA form 1 “Dual Release” or a CAA UK Form 1.

4 Abkürzungen

4 Abbreviations

L-PP Limited Powerplant
L-ACC Limited Accessory
L-SS Limited Specialized Service

Limited Powerplant
Limited Accessory
Limited Specialized Service

B1 vollständige Turbinenflugmotoren
C7 Bauteile ausgenommen vollständige Flugmotoren und Hilfskraftanlagen
D1 zerstörungsfreie Prüfungen

Complete Turbine Engines
Components, except Complete Engines and Auxiliary Power Units
Non-destructive Testing

FAA Federal Aviation Administration
CFR Code of Federal Regulations
CAA UK Civil Aviation Authority United Kindom
TCH Type Certificate Holder
TCDS Type Certificate Data Sheet
IETP Interactive Electronic Technical Publication

Federal Aviation Administration
Code of Federal Regulations
Civil Aviation Authority United Kindom
Type Certificate Holder
Type Certificate Data Sheet
Interactive Electronic Technical Publication

MTU GeschäftsgeheimnisMTU Proprietary Information**5 Zuständigkeiten**

Die Capability List wird von der Organisationseinheit „Corporate Quality“ (TQ) gepflegt. Das Verfahren zur Erstellung und Änderung sind in der Norm MTT163-1 beschrieben.

5 Responsibilities

The capability list is maintained and updated by the „Corporate Quality“ (TQ) department. The procedure for the preparation and updating of the list are described in the standard MTT163-1.

6 Betriebsstätten**6 Locations**

		Bestandteil der Genehmigung nach Teil 145 Part of the approval in accordance with Part 145		
#	Betriebsstätten / Location	EASA	CAA UK	14 CFR
a)	MTU Aero Engines AG Dachauer Str. 665 80995 München Deutschland/Germany	x	x	x
b)	MTU Aero Engines Polska Sp. z. o. o. Tajęcina 108 36-002 Jasionka Polen/Poland	x	x	x
c)	MTU Aero Engines AG Dr. Ernst-Zimmermann-Straße 2 14974 Ludwigsfelde Deutschland/Germany	x		

Am Standort c) erfolgen der Triebwerk-Prüflauf und die Endmontage des Baumusters TP400-D6. Das beinhaltet alle in der Prüflaufvorschrift der EPI definierten Arbeiten (inkl. z. B. Boroskopie, Filterwechsel).

Engine pass-off testing and final assembly of the TP400-D6 engine type occur at location c), including all work specified in EPI's test specification (such as borescope inspection, exchange of filters, etc.).

Zusätzlich erfolgen bei Bedarf Standard-Montage Arbeiten wie z. B.

In addition, standard assembly work is carried out as required, e.g.

- Demontage und Montage von Geräten
- Verblendung von kleinen Kratzern, Ausbessern von Lackschichten
- Standard-Montagetätigkeiten (z.B. Austausch von Kabelisolierungen und Inserts)

- disassembly and assembly of accessories
- blending to remove small scratches, touching-up of paint coats
- standard assembly tasks (e.g. cable insulation and insert replacements)

Details der Instandhaltungsaktivitäten am Standort b) sind in Tabelle 2 dieser Norm und MTT197-DP-List-Jasionka enthalten.

Details of the maintenance activities at the location b) are given in table 2 of this standard and MTT197-DP-List-Jasionka.

Alle übrigen Arbeiten erfolgen am Standort a).

All other work is performed at location a).

Erläuternde Angaben

Tabelle 1 C7/L-ACC Rating:

- Löschung der Engine Types CF34-10, CF6-80, CFM-56
- Änderung Capability Level für PW800series auf Overhaul

Explanatory notes

Table 1 C7/L-ACC Rating:

- Cancellation of engine types CF34-10, CF6-80, CFM-56
- Change of Capability Level for PW800series to Overhaul

Tabelle 2 C7/L-ACC Rating:

Erweiterung der Engine Types um PW1500G und PW1900G

Table 2 C7/L-ACC Rating:

Amendment of new engine types PW1500G and PW1900G

Änderungen sind mit Randbalken gekennzeichnet.

Changes are marked with a line in the margin.

MTU GeschäftsgeheimnisMTU Proprietary Information**Weitere Unterlagen****Associated documents**

EASA 145.A.20, 145.A.75
CAA UK 145.A.20, 145.A75
14 CFR 145.59, 145.61, 145.201, 145.215

MTT163-1 Erstellung und Pflege von "Scope of Work" und "Capability List"; ziviler Instandhaltungsbetrieb nach EASA Teil-145 bzw. 14 CFR Part 145 und CAA UK Part 145

Development and maintenance of the Scope of Work / Capability List; Commercial maintenance organization/ repair shop in accordance with EASA Part 145 and 14 CFR Part 145 and CAA UK Part 145

MTU GeschäftsgeheimnisMTU Proprietary Information**Tabelle 1 Scope of work/Capability List
Standorte München und Ludwigsfelde****Table 1 Scope of work/Capability List
locations Munich and Ludwigsfelde**

		MTU Aero Engines AG LBA Approved Maintenance Organization DE.145.0019 FAA Certificated Foreign Repair Station CK5Y782M CAA UK Approved Maintenance Organization UK.145.01629									Issue Date: 25.05.1999 Revision Date: 14.07.2025	
Scope of work / Capability List												
TCH	Engine Type	Type Certificate Data Sheet			Part Name	Part Number	ATA Code	Rating			Scope of Work / Capability Level	Manual (approved ICA)
		EASA	CAA UK	FAA				EASA	CAA UK	FAA		
A) Complete Engine	Europrop International GmbH	TP400-D6	E.033	EASA.E.033	n/a	see MTT197-DP-List-TP400	B1	n/a	n/a	Up to complete Overhaul	Applicable Tech Pubs as per TCDS available via online TP400 AirN@vIETP (EPI) and local applications D6.0025.01 Maintenance/Engine Manual	
	International Aero Engines LLC	PW1100G-JM series engines	IM.E.093	n/a	E00087EN	see MTT197-DP-List-PW1100G-JM	B1	n/a	L-PP	Inspection Repair Modification	Applicable Tech Pubs as per TCDS available via online PW1100G-JM Series IETP incl. 5316992	
B) Component other than complete Engine	International Aero Engines AG	V2500-A1 series	6324	US E31NE	E31NE	see MTT197-DP-List	C7	C7	L-ACC	Overhaul	Applicable Tech Pubs as per TCDS available via online and local V2500 A1/A5 IETP 2A4406 V2500 D5 IETP 2A4415	
		V2500-A5/-D5 series	IM.E.069	EASA.M.E.069	E40NE	see MTT197-DP-List	C7	C7	L-ACC	Overhaul		
	International Aero Engines LLC	PW1100G-JM series engines	IM.E.093	EASA.M.E.093	E00087EN	See MTT197-DP-List	C7	C7	L-ACC	Overhaul	Applicable Tech Pubs as per TCDS available via online PW1100G-JM Series IETP 5319451, 5319453 and SP-72-35 Special Procedures	
	Pratt & Whitney	PW1500G series	IM.E.090	EASA.M.E.090	E00090EN	see MTT197-DP-List	C7	C7	L-ACC	Overhaul	Applicable Tech Pubs as per TCDS available via online PW1500G Series IETP 5325072	
		PW1900G series	IM.E.090	EASA.M.E.090	E00090EN	see MTT197-DP-List	C7	C7	L-ACC	Overhaul	Applicable Tech Pubs as per TCDS available via online PW1900G Series IETP 5325767	
		PW2000	6310	US E17NE	E17NE	see MTT197-DP-List	C7	C7	L-ACC	Overhaul	Applicable Tech Pubs as per TCDS available via local PWA Publication: PN1B8089	
	GE	GE90	IM.E.002	EASA.M.E.002	E00049EN	see MTT197-DP-List	C7	C7	L-ACC	Repair	Applicable Tech Pubs as per TCDS available via local GE Publication: GEK108786	
		GE9x	IM.E.102	EASA.M.E.102	E00078NE	see MTT197-DP-List	C7	C7	L-ACC	Repair	Applicable Tech Pubs as per TCDS available via local GE Publications: GEK112865 and GEK 114118	
	Engine Alliance	GP7200 series	IM.E.026	EASA.M.E.026	E00072EN	see MTT197-DP-List-GP7200 for complete LPT Module see MTT197-DP-List for piece parts	C7	n/a	L-ACC	Overhaul	Applicable Tech Pubs as per TCDS available via local Engine Alliance Publication: PN5702569	
	Europrop International GmbH	TP400-D6	E.033	EASA.E.033	n/a	see MTT197-DP-List-TP400	C7	n/a	n/a	Overhaul	Applicable Tech Pubs as per TCDS available via online TP400 AirN@vIETP (EPI) and local applications D6.0025.01 Maintenance/Engine Manual CMM-TP400-D3309 Component Maintenance Manual	

Note:

Referenced EASA TCDS is issued by EASA or a National Aviation Authority being member of EASA

Referenced CAA UK TCDS as published in the UK CAA PRODUCT LIST for Engines

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		MTU Aero Engines AG LBA Approved Maintenance Organization DE.145.0019 FAA Certificated Foreign Repair Station CK5Y782M CAA UK Approved Maintenance Organization UK.145.01629 Scope of work / Capability List									Issue Date: 25.05.1999 Revision Date: 14.07.2025	
TCH	Engine Type	Type Certificate Data Sheet			Part Name	Part Number	ATA Code	Rating			Scope of Work / Capability Level	Manual
		EASA	CAA UK	FAA				EASA	CAA UK	FAA		
B) Component other than complete Engine	Pratt & Whitney Canada (P&WC)	PW206series PW207series	IM.E.017	EASA.M.E.017	E42NE	see MTT197-DP-List		C7	C7	L-ACC	Repair	Applicable Tech Pubs as per TCDS available via local P&WC publication Cleaning Inspection Repair (CIR) Manual 3040877
		PW306series	IM.E.051	EASA.M.E.051	E35NE	see MTT197-DP-List		C7	C7	L-ACC	Overhaul	Applicable Tech Pubs as per TCDS available via online P&WC publication Cleaning Inspection Repair (CIR) Manual 30B4133
		PW307series	IM.E.035	EASA.M.E.035	E00071EN	see MTT197-DP-List		C7	C7	L-ACC	Overhaul	
		PW308series	IM.E.057	EASA.M.E.057	E00065NE	see MTT197-DP-List		C7	C7	L-ACC	Overhaul	
		PW530series	IM.E.048	EASA.M.E.048	E00053EN	see MTT197-DP-List		C7	C7	L-ACC	Overhaul	Applicable Tech Pubs as per TCDS available via online P&WC publication Cleaning Inspection Repair (CIR) Manual 30J2306
		PW545series	IM.E.013	EASA.M.E.013	E00059EN	see MTT197-DP-List		C7	C7	L-ACC	Overhaul	
		PW800series	IM.E.096	UK.TC.E.00089	E00093EN	see MTT197-DP-List		C7	C7	L-ACC	Overhaul	Applicable Tech Pubs as per TCDS available via online P&WC publication Cleaning Inspection Repair (CIR) Manual 33B1401

Note:

Referenced EASA TCDS is issued by EASA or a National Aviation Authority being member of EASA
 Referenced CAA UK TCDS as published in the UK CAA PRODUCT LIST for Engines

	Type of inspection	Specification	equivalent MTU Specification	Rating		
				EASA	CAA UK	FAA
C) NDT Inspection (incl. OEM Standards and MTU Equivalents)	Radiographic	ASTM-E-1742	MTV 1032-1/-4	D1	n/a	Limited NDT
	Ultrasonic	ASTM-E-127 MIL-STD-2154	MTV 1033-1/-4	D1	n/a	Limited NDT
	Magnetic Particle	ASTM-E-1444	MTV 1031-1/-7	D1	n/a	Limited NDT
	Dye Penetrant	ASTM-E-1417 QPL-AMS-2644-1	MTV 1030-1/-4	D1	n/a	Limited NDT
	Eddy Current	MIL-STD-271	MTV 1015 MTV 1016	D1	n/a	Limited NDT

MTU GeschäftsgeheimnisMTU Proprietary Information**Tabelle 2 Scope of work/Capability List
Standort Jasionka****Table 2 Scope of work/Capability List
location Jasionka**

 MTU Aero Engines AG LBA Approved Maintenance Organization DE.145.0019 FAA Certificated Foreign Repair Station CK5Y782M CAA UK Approved Maintenance Organization UK.145.01629 Issue Date: 25.05.1999 Revision Date: 14.07.2025											
Scope of work / Capability List											
TCH	Engine Type	Type Certificate Data Sheet			Part Name	Part Number	ATA Code	Rating			Scope of Work /
		EASA	CAA UK	FAA				EASA	CAA UK	FAA	Manual
B) Component other than complete Engine	International Aero Engines AG	V2500-A1 series	6324	US E31NE	E31NE	see MTT197-DP-List-Jasionka		C7	C7	L-ACC	Overhaul
		V2500-A5/-D5	IM.E.069	EASA, IM.E.069	E40NE	see MTT197-DP-List-Jasionka		C7	C7	L-ACC	Overhaul
	International Aero Engines LLC	PW1100G-JM series	IM.E.93	EASA, IM.E.093	E00087EN	see MTT197-DP-List-Jasionka		C7	C7	L-ACC	Overhaul
	Pratt & Whitney	PW2000	6310	US E17NE	E17NE	see MTT197-DP-List-Jasionka		C7	C7	L-ACC	Overhaul
		PW1500G series	IM.E.090	EASA, IM.E.090	E00090EN	see MTT197-DP-List-Jasionka		C7	C7	L-ACC	Overhaul
		PW1900G series	IM.E.090	EASA, IM.E.090	E00090EN	see MTT197-DP-List-Jasionka		C7	C7	L-ACC	Overhaul
	General Electric (GE)	CF6-80	6318 6319 IM.E.007	UK TC.E.00120 EASA, IM.E.007	E13NE E41NE	see MTT197-DP-List-Jasionka		C7	C7	L-ACC	Overhaul
		CF34-8 CF34-10	IM.E.053 IM.E.021	EASA, IM.E.053 EASA, IM.E.021	E00063EN E00070EN	see MTT197-DP-List-Jasionka		C7	C7	L-ACC	Overhaul

Note:

Referenced EASA TCDS is issued by EASA or a National Aviation Authority being member of EASA

Referenced CAA UK TCDS as published in the UK CAA PRODUCT LIST for Engines