

**A-34-1-002**  
Technical Order**Rev. No.: 1**  
Date: 23.10.2019**CLH Issue:**  
Date:**Title:** Procedures to release A319 for RVSM operation**Substantiation (short description):** ☒ mandatory ☐ Product/Quality ☐ commercial (WiRe) ☐ safety (ORE)**Reason for Revision:**

RVSM placards are no longer used and removed from the procedure.

☐ **Mandated by AD:**

Project Number:

Aircraft Type: A319

No. of affected A/C: ALL

Component P/N:

Refer to CAS:

**Planning Data:**

<input type="checkbox"/> Threshold:	Start date:	Days:	FH:	FC:
<input type="checkbox"/> Before (absolute):	Date:		FH:	FC:
<input type="checkbox"/> Interval:		Days:	FH:	FC:

Suggested Qualification: CAT-B2

☐ Special Quali.:

Estimated A/C Downtime:

Labor-Hours:

Component Mod.: ☐ temp. removal from LHT Pool ☐ shop visit ☐ on wing ☐ on attrition**Special action required by:**☒ BT/E-MS ☐ Material required ☐ Tools required ☐ Warranty ☐ Weight & Balance**Costs per unit or A/C:****Total Costs:**☐ Refer to WiRe / GF-Vorlage**Attached Documents and CLH TR's:**

Type	Doc. Number	Rev.	Date	Pages
NFL	2-382-17		19.12.2017	3

**prepared by:**  
Name/Signature:**verified by:**  
Name/Signature:**approved by as per [Vollmachtenregelung](#)**  
Name/Signature:

Tobias Langenegger

Date: 23.10.2019

Date:

Date:

**Rejected for following reason:**

Name/Signature:

Date:



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## **1. RVSM**

Acc. COMMISSION REGULATION (EU) No 965/2012

*SPA.RVSM.100 RVSM operations*

*"Aircraft shall only be operated in designated airspace where a reduced vertical separation minimum of 300 m (1 000 ft) applies between flight level (FL) 290 and FL 410, inclusive, if the operator has been granted an approval by the competent authority to conduct such operations."*

All aircraft entering the RVSM airspace must be RVSM compliant and all relevant systems must be operational.

This EO gives the rules to determine RVSM capability of the Aircraft.

## **2. Minimum equipment**

The minimum equipment necessary for RVSM operation is defined in FCOM. If the minimum equipment is not operational, the A/C will lose its RVSM capability.

- ADR1 + ADR2 + two DMCs
- 1 transponder
- 1 Autopilot function
- 1 FCU channel (for altitude target selection and OP CLB/OP DES mode engagement)
- 2 PFD functions (for altitude indication)
- 1 FWC (for altitude alert function).

All components replacements and test must be performed acc. the valid revision of the Aircraft Maintenance Manual (AMM).

## **3. Air data test**

Any air data test set which provides the required accuracy for RVSM may be used. A number of possible test sets is listed in TEM 34-00-00. At CLH the MPS30 with connection hoses ADA320-945 are used.



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## **4. Skin Waviness**

An appropriate surface quality is necessary for RVSM compliance.

Task 53-00-11-283-004 gives the Aerodynamic Requirements for Allowable Damage and Repairs. It's also compliant with RVSM requirements.

The measurement of skin waviness is described in SRM 53-11-00.

## **5. Documentation and marking**

The limited RVSM capability is documented by a Workorder, thereafter it is printed on the HIL.

The cockpit crew must immediately inform the "Einsatzleitung" about the downgrading. They will forward the information to CLH Operations.

### **5.1. CAT relevant complaints**

If a RVSM relevant complaint is also CAT relevant, a second Workorder for CAT must be opened. This is necessary because the LVO procedure must be documented separately. See EO E-34-1-001 for further information.

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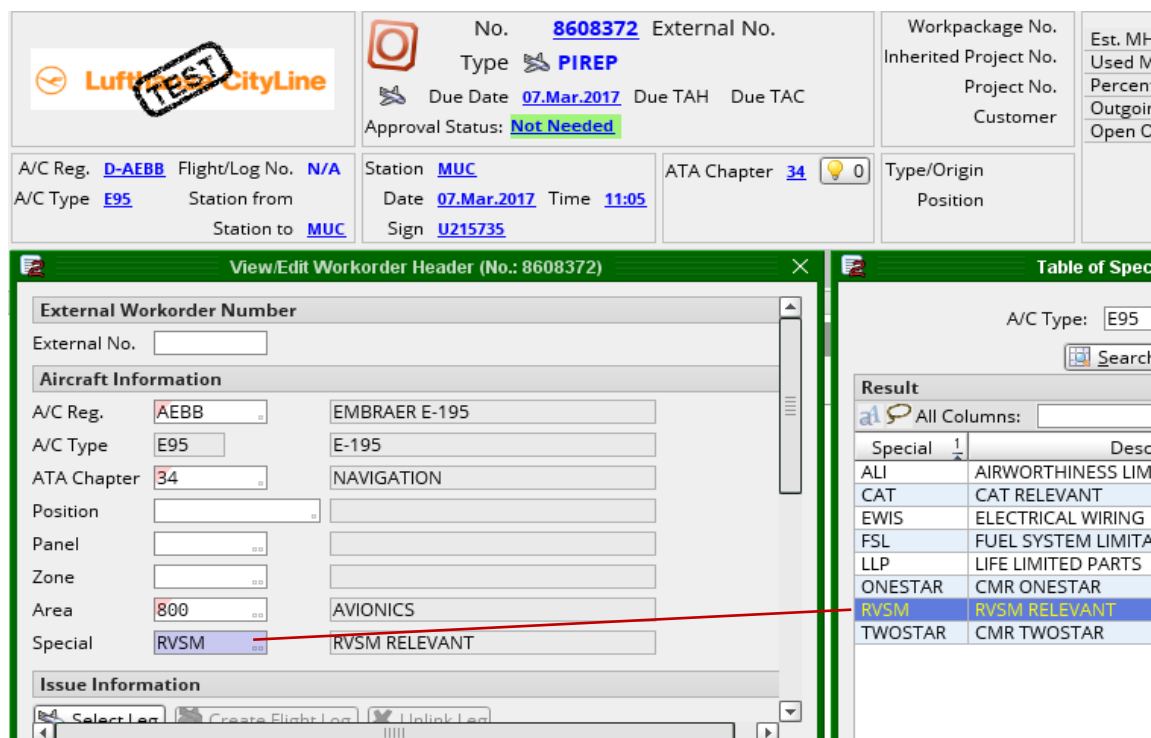
## 5.2. Documentation

### 5.2.1. MAREP/PIREP

In the TLB add the remark "A/C NO RVSM" and set CLASS to H (Handicap)

By opening a new workorder in AMOS select RVSM in the special field.

Double click on the header → double click field Special → choose "RVSM"



**View/Edit Workorder Header (No.: 8608372)**

External No.

**Aircraft Information**

A/C Reg.  Flight/Log No.   
A/C Type  Station from   
Station to

Station   
Date  Time   
Sign

ATA Chapter

Type/Origin  
Position

**Table of Specifications**

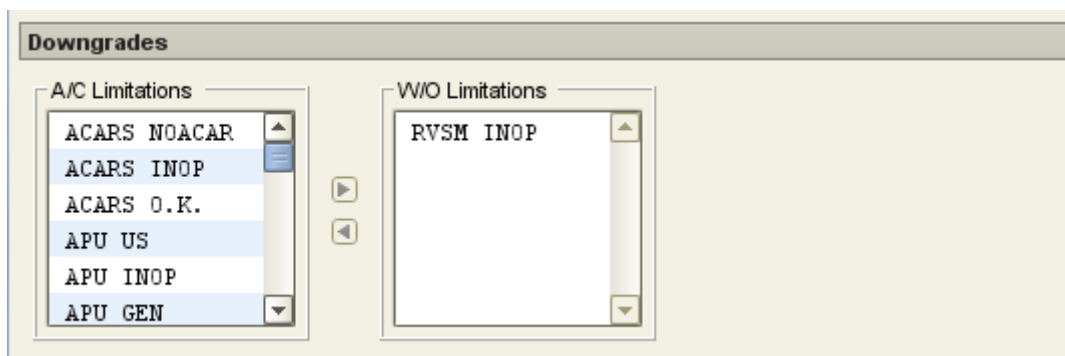
A/C Type:

Result

Special	Desc
ALI	AIRWORTHINESS LIM
CAT	CAT RELEVANT
EWIS	ELECTRICAL WIRING
FSL	FUEL SYSTEM LIMITA
LLP	LIFE LIMITED PARTS
ONESTAR	CMR ONESTAR
<b>RVSM</b>	<b>RVSM RELEVANT</b>
TWOSTAR	CMR TWOSTAR

### 5.2.2. Transfer Workorder

If it is not possible to fix the defect, it could be transferred ACC MEL. In this case the limitations must be set under Transfer/Downgrades. Now the status of the A/C is shown in the Module Fleet Tracker (APN: 1466) and printed on the HIL.



**Downgrades**

**A/C Limitations**

- ACARS NOACAR
- ACARS INOP
- ACARS O.K.
- APU US
- APU INOP
- APU GEN

**W/O Limitations**

- RVSM INOP



### 5.2.3. Closing Workorder

By closing the workorder the A/C will automatically be set to RVSM compliant, as long as no other workorder limits the RVSM status.

### 5.2.4. Workorder Information System (APN: 1)

Use the Workorder Information System to find Workorders marked with the Special "RVSM" or ones that were transferred with a RVSM limitation.

## 6. MS Tasks

To maintain RVSM capability following Tasks was implemented to the IHP:

- 34.13.CLH.0001

## 7. Maintenance personnel

To release an A/C for RVSM a B2 license with A319 type training is required.

## 8. Minimum Equipment List (MEL)

When the RVSM capability of the aircraft is impacted by an inoperative item, the associated MEL operational procedure provides the RVSM limitations.

## 9. System tests

All tests must be done acc. valid revision of the AMM.

## 10. Occurrence reporting

Any recorded or communicated occurrences of height-keeping errors caused by malfunction of aircraft equipment or of operational nature shall be reported acc. CLH CAME M 2.14. See AIR OPS 965/2012 for limits.



## **11. References**

AIR OPERATIONS 965/2012 Subpart D

AMC1 SPA.RVSM.105 Subpart D

JAA TGL No. 6

Airbus In-Service Information 34.10.00001

AFM A319-114

FCOM A318/A319/A320/A321