<u>Standard Change</u>

Proposal for the content

Standard Change No.
IV.A-1 Chapter 1 Rev. 0 Exchange of Radio

I. PURPOSE

Exchange of Radio

II. BACKGROUND

Exchange of radio (e.g. to 8,33 khz radios). While first installations of radio or installation affecting also antenna , mounting, wiring etc. as standard change has limited applicability the “plug’n play” exchange can be accepted for with a wide range of GA aircraft.

IV. APPLICABILITY / ELIGIBILITY

Non complex aircraft with a maximum take-off mass below 5.7 to

III. SAFETY CONSIDERATIONS

For the replacement of a radio the following provisions are to be met:

- The new installed radio is only a replacement of an existing and approved radio with the same functionality.
- The EASA equipment approval of the radio is covering the operational limitations of the aircraft.
- The radio is not adversely affecting the installed equipment and systems.
- The existing radio installation and mounting is compatible with the new radio.
- The radio is operable and readable under different lighting conditions.
- The existing wiring and antenna is compatible with the new device and in operable condition.
- An Aircraft Flight Manual Supplement and Instructions for Continued Airworthiness are available.

AMC to Standard Change – Radio Standard Change & Work report

	pass	fail
Existing mounting can be used	☐	☐
Wiring and Antenna compatible with the new radio	☐	☐
No changes to antenna and wiring except use of adapters delivered with the radio.	☐	☐
Mass of new radio equal or less of old radio	☐	☐
Power consumption equal or less of old radio	☐	☐
New radio has ETSO approval	☐	☐
Compliance with limitations specified in ETSO DDP	☐	☐

VI. LIMITATIONS

None

VIII. INSTALLATION INSTRUCTIONS

Install the radio according manufacturer instructions

IX. INSTALLATION TESTS

	pass	fail
Check of operability and readability under different lighting conditions	☐	☐
EMI test	☐	☐
Any additional test required by the equipment manufacturer	☐	☐
…	☐	☐
…	☐	☐

X. MANUALS

Amend AFM with AFMS containing or referencing the equipment instructions for operation and maintenance. AFMS template?

XI. RECORDS

After completion of installation and positive result of all installation tests the modification has to be documented in the aircraft maintenance log. The records should at least contain

- Equipment installation instructions
- copy of this standard change
- work report.
- Installation Test results
- release form for equipment
- Update of equipment list

XII. RELEASE TO SERVICE

Release the stating the performance of “Standard Change IV.A-1, Chapter 1, Rev. 0, Exchange of Radio from *old radio type* to *new radio type*” according Part-M.

Installation and release to service could be done under Pilot/Owner privilege according Part-M for aircraft meeting ELA1 or ELA2 criteria.