

# EASA FORM 123

## Standard Change / Standard Repair (SC/SR) Embodiment Record

**GUIDANCE:** This sample covers two possible Standard Changes. Delete or amend the text that does not apply before use.

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| <b>1. SC/SR number(s):</b>                                                                            | SC-yyyy-nn<br><i>(Assign a unique number and reference it in the aircraft logbook)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>2. SC/SR title &amp; description:</b>                                                              | <p><b>OPTION A – CS-SC102b (CS-STAN Issue 4)</b><br/>           Installation of DC Power Supply Systems (DC-PSSs) for Portable Electronic Devices (PEDs).<br/>           Installation of Harkwood Services Ltd USB Charger V3, Model C602-045, providing regulated USB power outlets for portable electronic devices from the aircraft 14 V / 28 V DC electrical system.</p> <p><b>OPTION B – CS-SC038b (CS-STAN Issue 4)</b><br/>           Installation of DC-to-DC converters.<br/>           Installation of Harkwood Services Ltd USB Charger V3, Model C602-045, as a DC-to-DC converter to supply controlled voltage to pilot devices / portable equipment from the aircraft 14 V / 28 V DC electrical system.<br/> <i>(Delete the option that is not used)</i></p>                                                                             |
| <b>3. Applicability:</b>                                                                              | Aircraft registration: [e.g. G-XXXX]<br>Serial number: [e.g. 1234]<br>Type / Model: [e.g. Cessna 172S / Piper PA-28-181 / etc.]<br><br><i>Both SCs are applicable to aeroplanes and rotorcraft that are not complex motor-powered aircraft, and to any ELA2 aircraft.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>4. List of parts (description / Part-No / Qty):</b>                                                | <ul style="list-style-type: none"> <li>• USB Charger V3, Model C602-045, Manufacturer: Harkwood Services Ltd — Qty 1</li> <li>• Circuit breaker / fuse as required by the installation instructions — Qty as required</li> <li>• Associated wiring, connectors and mounting hardware (standard parts) — as required</li> </ul> <p><i>CS-SC102b: All parts identified in this SC are eligible for installation without an EASA Form 1.</i><br/> <i>CS-SC038b: All parts identified in this SC are eligible for installation without an EASA Form 1.</i></p>                                                                                                                                                                                                                                                                                             |
| <b>5. Operational limitations / affected aircraft manuals. Copies provided to the aircraft owner:</b> | <p><b>Common to both options:</b></p> <ul style="list-style-type: none"> <li>• Any limitations defined by the equipment manufacturer apply.</li> <li>• AFM / POH supplement (if required) recording maximum load and operating instructions.</li> </ul> <p><b>Additional for CS-SC102b:</b></p> <ul style="list-style-type: none"> <li>• Maximum power supply per outlet limited to 20 W.</li> <li>• This SC does not approve the use of PEDs; suitability remains with the operator/pilot-in-command.</li> </ul> <p><b>Additional for CS-SC038b:</b></p> <ul style="list-style-type: none"> <li>• Converter must not power systems necessary for continued safe flight and landing, or systems required by SERA for airspace compliance.</li> <li>• Record product name, type/model and information needed for future safety-alert checks.</li> </ul> |
| <b>6. Documents used for the development and embodiment of this SC/SR:</b>                            | <p><i>(* Copies of documents marked with an asterisk are handed to the aircraft owner.)</i></p> <ul style="list-style-type: none"> <li>• CS-STAN Issue 4 – selected Standard Change (CS-SC102b and/or CS-SC038b) *</li> <li>• Manufacturer's installation instructions for USB Charger V3 (C602-045) *</li> <li>• Electrical load analysis / measurement results *</li> <li>• EMI / interference assessment results (FAA AC 43.13-1B Ch. 11 or ASTM F2639) *</li> <li>• Wiring diagram / installation drawing for this specific aircraft *</li> <li>• EU Declaration of Conformity and CE technical documentation (EN 50498 / RoHS)</li> </ul>                                                                                                                                                                                                         |
| <b>7. Instructions for continuing airworthiness. Copies provided to the aircraft owner:</b>           | <ul style="list-style-type: none"> <li>• Inspect the installation (wiring, connectors, circuit protection, mounting) at regular intervals in accordance with the aircraft maintenance programme and manufacturer recommendations.</li> <li>• No new scheduled maintenance tasks beyond normal visual inspections and functional checks of the outlets / converter and circuit protection.</li> <li>• (CS-SC038b) Amend ICAs to establish any additional maintenance actions/inspections and intervals as required by the equipment manufacturer.</li> </ul>                                                                                                                                                                                                                                                                                            |
| <b>8. Other information:</b>                                                                          | <ul style="list-style-type: none"> <li>• Electrical load analysis confirmed that the additional load is compatible with the aircraft electrical system. Results recorded / referenced herein.</li> <li>• Post-installation EMI check performed with satisfactory results (no interference with aircraft systems).</li> <li>• (CS-SC102b) USB outlets installed so that cables remain easily accessible for disconnection in flight (ON/OFF switch not mandatory for USB outlets).</li> <li>• Socket / unit installation prevents fluid ingress and minimises risk of conductive objects being inserted.</li> <li>• Circuit protection provided against overloads, smoke and fire hazards.</li> </ul>                                                                                                                                                   |
| <b>9a. / 9b. Compliance statement:</b>                                                                | <input checked="" type="checkbox"/> <b>9a. This SC complies with the criteria established in 21.A.90B(a) and with the relevant paragraphs of CS-STAN.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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|                                                                                                         | <p><b>Selected chapter(s): [CS-SC102b / CS-SC038b] — Issue 4</b></p> <p><input type="checkbox"/> 9b. This SR complies with the criteria established in 21.A.431B(a) ... (Not applicable – this is a Standard Change)</p> |
| <b>10. Date of SC/SR embodiment:</b>                                                                    | [DD Month YYYY]                                                                                                                                                                                                          |
| <b>11. Identification data and signature of the person responsible for the embodiment of the SC/SR:</b> | <p>Name: [Full name]</p> <p>Licence / Approval reference: [Part-66 / Part-CAO / Part-145 reference]</p> <p>Organisation (if applicable): [Name]</p> <p>Signature: _____ Date: _____</p>                                  |