



Page 1 of 9

PROCEDURE FOR THE ESA CERTIFICATION OF QUALIFICATIONS

ESCC 12101

Issue 3	October 2016
---------	--------------



Document Custodian: European Space Agency – see <https://spacecomponents.org>

LEGAL DISCLAIMER AND COPYRIGHT

European Space Agency, Copyright © 2016. All rights reserved.

The European Space Agency disclaims any liability or responsibility, to any person or entity, with respect to any loss or damage caused, or alleged to be caused, directly or indirectly by the use and application of this ESCC publication.

This publication, without the prior permission of the European Space Agency and provided that it is not used for a commercial purpose, may be:

- copied in whole, in any medium, without alteration or modification.
- copied in part, in any medium, provided that the ESCC document identification, comprising the ESCC symbol, document number and document issue, is removed.



DOCUMENTATION CHANGE NOTICE

(Refer to <https://spacecomponents.org> for ESCC DCR content)

DCR No.	CHANGE DESCRIPTION
1002	Document upissued to incorporate editorial changes per DCR.

TABLE OF CONTENTS

1	INTRODUCTION	5
2	SCOPE	5
3	DEFINITIONS AND ABBREVIATIONS	5
3.1	DEFINITIONS	5
3.2	ABBREVIATIONS	5
4	RELATED DOCUMENTS	5
4.1	APPLICABLE DOCUMENTS	5
4.2	REFERENCE DOCUMENTS	5
5	RESPONSIBILITIES	6
5.1	ESA	6
5.2	EXECUTIVE	6
5.3	COMPONENT MANUFACTURERS	6
6	APPLICATIONS FOR ESCC QUALIFICATION CERTIFICATION	6
6.1	GENERAL	6
6.2	PROCEDURE	6
6.2.1	Executive	6
6.2.2	ESA	7
7	QPL AND QML PREPARATION AND DISTRIBUTION	7
7.1	GENERAL	7
7.2	PROCEDURE	7
7.2.1	Executive	7
7.2.2	ESA	7
8	RECORDS AND REPORTING	7
8.1	RECORDS	7
8.2	REPORTING	8
8.2.1	Executive	8
9	FLOWCHART - OVERVIEW OF THE CERTIFICATION PROCEDURE	9

1 **INTRODUCTION**

This document sets the procedures to be followed by the Executive and ESA in the Certification of successful ESCC qualifications.

2 **SCOPE**

This procedure specifies the management and administrative tasks associated with applications for ESCC Qualification, their approval and authorisation, issue of certificates and preparation and distribution of the QPL and QML.

This procedure applies to the Executive and ESA as the ESCC Qualification Certification Body.

3 **DEFINITIONS AND ABBREVIATIONS**

3.1 **DEFINITIONS**

None.

3.2 **ABBREVIATIONS**

The following abbreviations are used in this document:

Charter	Charter of the European Space Components Coordination
CTB	Components Technology Board
ESA	European Space Agency
ESCC	European Space Components Coordination
ESCIES	European Space Components Information Exchange System
Executive	ESCC Executive
QML	ESCC Qualified Manufacturers List
QPL	ESCC Qualified Parts List

4 **RELATED DOCUMENTS**

4.1 **APPLICABLE DOCUMENTS**

The following documents are applicable to the extent specified herein:

ESCC 00000	Charter of the European Space Components Coordination
ESCC 12200	ESCIES Management Procedure

4.2 **REFERENCE DOCUMENTS**

ESCC 12100	Procedure for Qualifications
------------	------------------------------

5 RESPONSIBILITIES

5.1 ESA

ESA shall:

- Undertake the role of the ESCC Certification Body.
- Appoint a signatory to authorise the issue of and sign Certificates and authorise additions or amendments to the QPL and QML.

5.2 EXECUTIVE

The Executive shall:

- Prepare applications, approvals, certificates and supporting correspondence and list approved components, manufacturers and component technologies on the QPL or QML.

5.3 COMPONENT MANUFACTURERS

Component Manufacturers shall:

- Cooperate with the Executive, where necessary, in the processing of ESCC qualification applications.

6 APPLICATIONS FOR ESCC QUALIFICATION CERTIFICATION

6.1 GENERAL

Subsequent to the acceptance of qualification test reports the Executive is responsible for the management and administration of the ESCC Certification process. This process is conducted in conjunction with ESA who are the Certification Body as designated in the Charter.

6.2 PROCEDURE

6.2.1 Executive

The Executive shall:

- Raise applications to ESA for the Certification of manufacturers who have successfully met ESCC qualification requirements.
- Compile a data package supporting the application for Certification.
- Verify that there are no current Alerts or open ESCC non-conformances pertinent to the application.
- Submit the application together with the data package to ESA.
- Upon receipt of the authorisation for Certification from ESA send the signed Certificate to the manufacturer together with a copy of the QPL or QML entry.
- Update the qualification file.
- Update the QPL or QML with the latest Certification entries for publication on the ESCIES website.

6.2.2 ESA
ESA shall:

- Review applications for ESCC Certification together with the supporting data package for acceptance.
- Authorise the issue of and sign a qualification Certificate.

7 QPL AND QML PREPARATION AND DISTRIBUTION

7.1 GENERAL

The QPL and QML are prepared and maintained by the Executive. Unrestricted user access to the QPL and QML are gained through the ESCIES website. The ESCIES management procedure is described in ESCC Document [12200](#).

The QPL and QML jointly comprise a list of components, component technologies and manufacturing lines which have been successfully qualified by the appropriate ESCC quality assessment technique and for which the conditions of qualification maintenance are valid.

7.2 PROCEDURE

7.2.1 Executive

The Executive shall:

- Undertake the role of custodian of the QPL and QML.
- Provide facilities for its updating, electronic publication and distribution.
- Publish the QPL and QML on the ESCIES website.
- Update the QPL and QML on the ESCIES website at a minimum of monthly intervals.

7.2.2 ESA

ESA shall:

- Authorise the entry of qualifications in the QPL and QML.

8 RECORDS AND REPORTING

8.1 RECORDS

The following records shall be retained:

Record	Responsibility	Retention Period
Applications for Certification	Executive	10 years
Qualification Data Packages	Executive	10 years
Qualification Certificates	Executive	10 years
QPL and QML	Executive	ongoing
Log of applications Processed and Authorised	ESA	10 years



8.2 REPORTING

8.2.1 Executive

- Prepare ESCC quarterly qualification and maintenance status reports for submission to the CTB.

9 **FLOWCHART – OVERVIEW OF THE CERTIFICATION PROCEDURE**

