

ASD-CERT The European Production Qualification Association



Stéphane Laumond
Secretary General

ASD-CERT within the ASD environment

The ASD-CERT Company

General
Legal
Members
Organization

Qualification Process

Principles
8 Steps
Hints
Documents
Costs

Use of ASD-CERT Services

ASD-CERT on WWW



AeroSpace and Defence Industries Association of Europe

ASD Members 2007 – 05
20 Countries – 32 Associations



EUROSPACE

SBAC

DIC



United Kingdom

Austria



AAI
ADIG

Belgium



GEBECOMA
BSDI

SaSaD



Turkey

SAIG



Switzerland

SAI
FIF



Sweden

ASD-STAN

Standardization

Czech Republic



ALV ČR
AOP ČR

Denmark



FAD

ATECMA
AFARMADE



Spain

ASD-EASE

European Aerospace
Supplier Evaluation

ASD-PRO

Supplier Processes
Certification

Finland



AFDA

AIP



Portugal

DANOTEC

France



GIFAS
CIDEF

APAI



Poland

ASD-CERT

Supplier Production
Certification

Germany



BDLI
BDI

NDIG



Norway

Greece



FGI
HASDIG

NAI
NIID



The Netherlands

Ireland



FAEI

LAI




Luxemburg

Italy



AIAD

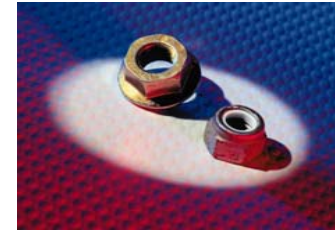
Membership in progress:

 Bulgaria, BDIA

 Romania, OPIAR, PATROMIL



ASD-CERT



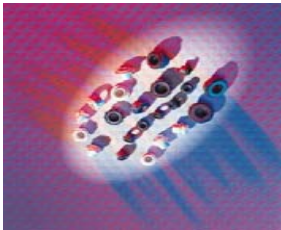
qualifies the production of standard products

in accordance with the requirements of

EN 9133 "Qualification procedure for Aerospace Standard Parts" (formerly EN 3042) and

based upon previous **EN 9100** "Approval of Quality Management Systems" (formerly EN 2000)

qualification as proven by 2nd or 3rd party registration



ASD-CERT ...

...is an international association constituted according to Belgian law

...is a non-profit association

...is part of the European certification system implemented by CEN*

...is an affiliated Association to ASD for certification of standard products

Legal Address: Avenue de Tervuren 270
B-1150 Brussels
Belgium



+32 – 2 775 81 26



+32 – 2 775 81 31



stephane.laumond@asd-europe.org

Secretariat: BNAE
199, rue Jean-Jacques Rousseau
92138 Issy-les-Moulineau
France



+33 – 1 47 65 70 18



+33 – 1 47 65 70 20



stephane.laumond@asd-europe.org

* CEN = Comité Européen de Normalisation, European Committee for Standardization



General Assembly

HAIG (GR)

Nicolaos Rigas (HAI)

ATECMA (SP)

Jacinto Llorente (EADS-CASA)

ALV CR (CZ)

Zbynek Zavadil (ATG)

AIAD (IT)

Carmine Scafa (Alenia)

NAI (NL)

not nominated

SAI (SE)

not nominated

FAD (DK)

not nominated

Executive Board

voting

Chairman

Philippe Canteau (SNECMA)

SBAC (UK)

Michael Stock (Rolls-Royce)
1st Vice-Chairman

BDLI (GE)

Hans-R. Ziemer (EADS)
2nd Vice Chairman

GEBECOMA (BE)

Jean-M. Sonkes (SABCA)
Treasurer

GIFAS (FR)

Eric Herbay (Airbus)
Quality Manager

non-voting

Secretary General

Stéphane Laumond (BNAE)

ASD

Oscar Sanchez

ASD-STAN

Günter Lessmann

EAQG, ASD-EASE

Alain Bonnard

ASD Airworthiness

to be nominated

Observers

CEN

Liau Hoang (CEN)

ASD Industries

Dr. U. Schumann-Hindenberg
(Airbus)

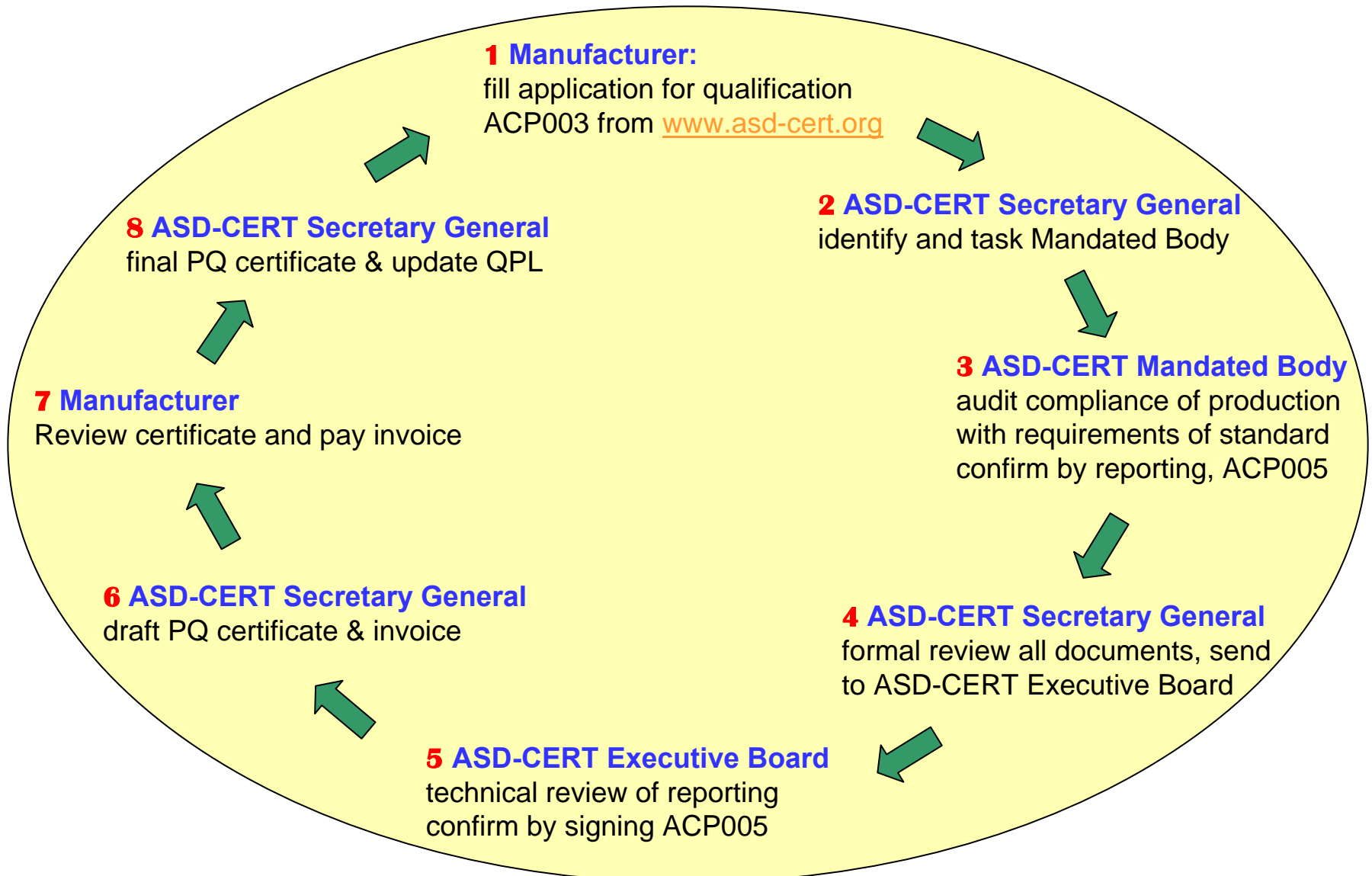
Mandated Bodies

holders of design and
production approval
(civil / military / space)
acting by ASD-CERT
mandate

* SNECMA is French company
member additionally to GIFAS,
French national trade association

The **ASD-CERT** process is based on a **shared 2nd party scheme***:

- **ASD-CERT Members** recognize each other's production qualifications
- **ASD-CERT Secretariat** manages the process
- **ASD-CERT Mandated Bodies** audit “eye witnessing” and report
- **ASD-CERT Executive Board** grants qualification
- **ASD-CERT Secretary General**
 - Issues **PQ Production Qualification Certificate**
 - Updates TR 3040-2, **QPL Qualified Product List**
 - posted on internet <http://www.asd-cert.org>



EN9100 QMS Quality Management System qualification is pre-requisite for subsequent Production Qualification

- apply for qualification www.asd-ease.org for intended deliveries to European ASD-EASE community or www.sae.org/oasis apply at regional accredited CRB Certification Registration Body (IAQG process) Proceed with production qualification after EN9100 qualification received (EASIS/OASIS registration) or when EN9100 qualification sufficiently in progress

prEN or EN (Belgian EN issue) Standards can be purchased from ASD-STAN: www.asd-stan.org or EN standards from national standardization organization, e.g. BNAE, BSI, AENOR, DIN, etc.

- Review standard if EN9133 (or EN2000) qualification required

All required information, contact, forms, etc. can be found on ASD-CERT website

- www.asd-cert.org

Ideally the Mandated Body is customer of the product if he is part of the ASD-CERT member community

- Manufacturer should indicate potential customers on qualification application form ACP003

All costs involved with the activities of the Mandated Body are directly negotiated between the Manufacturer and the Mandated Body without any involvement of the ASD-CERT secretariat

- Manufacturer to pay Mandated Body

QTR Qualification Test Report is accepted in the national languages English, German or French

- English language summary report required if QTR is in French or German

“Sealed Manufacturing Route” is description of production process at time of qualification

- “sealed” by Mandated Body by ASD-CERT stamp and signature
- Can remain at manufacturer facility if “confidential” but must be referenced on ACP005
- All parts produced in accordance with sealed manufacturing route are assumed “qualified” as per validity of certificate
- Any change to Sealed Manufacturing Route need ASD-CERT approval (request by ACP008)

ASD-CERT Secretary General needs 3 signatures from members of ASD-CERT Executive Board releasing the issue of the PQ Production Qualification certificate

- ASD-CERT members consider confidentiality of all information

Efforts at ASD-CERT central secretariat are charged fixed price 500,00 €uro for new qualification certification and 300,00 €uro for certification renewal

- Manufacturer must pay invoice before final certificate is issued
- ASD-CERT invoices include VAT (provide “service” – not product), no exemption for EU, manufacturers pay VT and seek reimbursement nationally

PQ Certificates are valid for three years from date of reporting, renewable by the manufacturer providing to ASD-CERT proof of continuous production and delivery without quality complaints from customers, plus Mandated Body approval (ACP005) of no change to the originally Sealed Manufacturing Route

- Manufacturer to apply for QQ renewal early before expiration of certificate

All qualification documents are kept confidential at ASD-CERT Secretariat. Documents (QTR) are made available to Customers with approval of the Manufacturer only

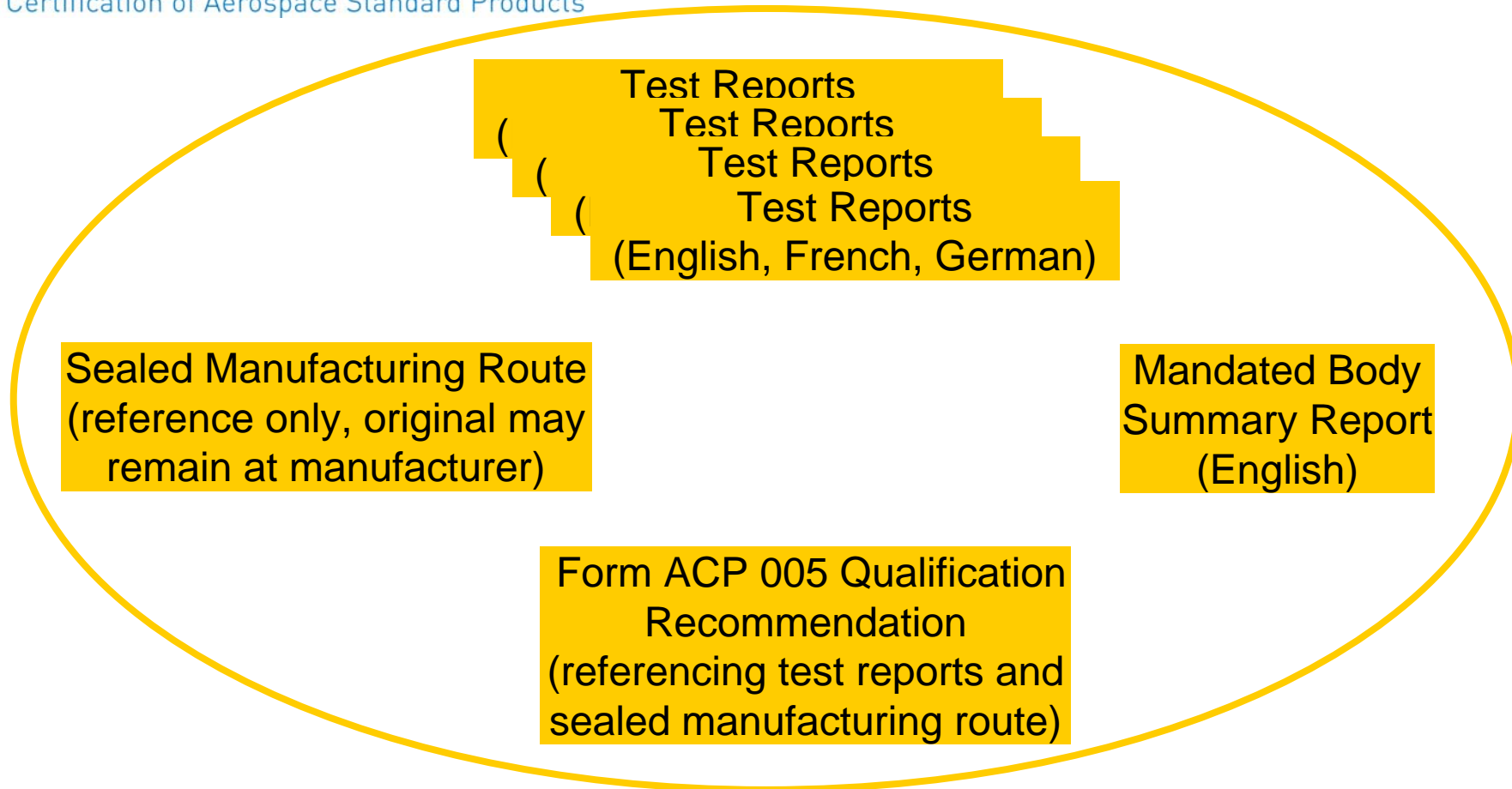
- QTR not released to Customers without Manufacturer approval

PQ Production Qualification certificates can be withdrawn by ASD-CERT if quality problems are reported without corrective action known to be initiated by the Manufacturer

- Manufacturer to inform ASD-CERT on quality problems and corrective actions

Products must be production qualified if the prEN or EN Standard requires EN9133 qualification

- Only qualified products shall be marked “EN”



→ **formal review by
ASD-CERT Secretariat**

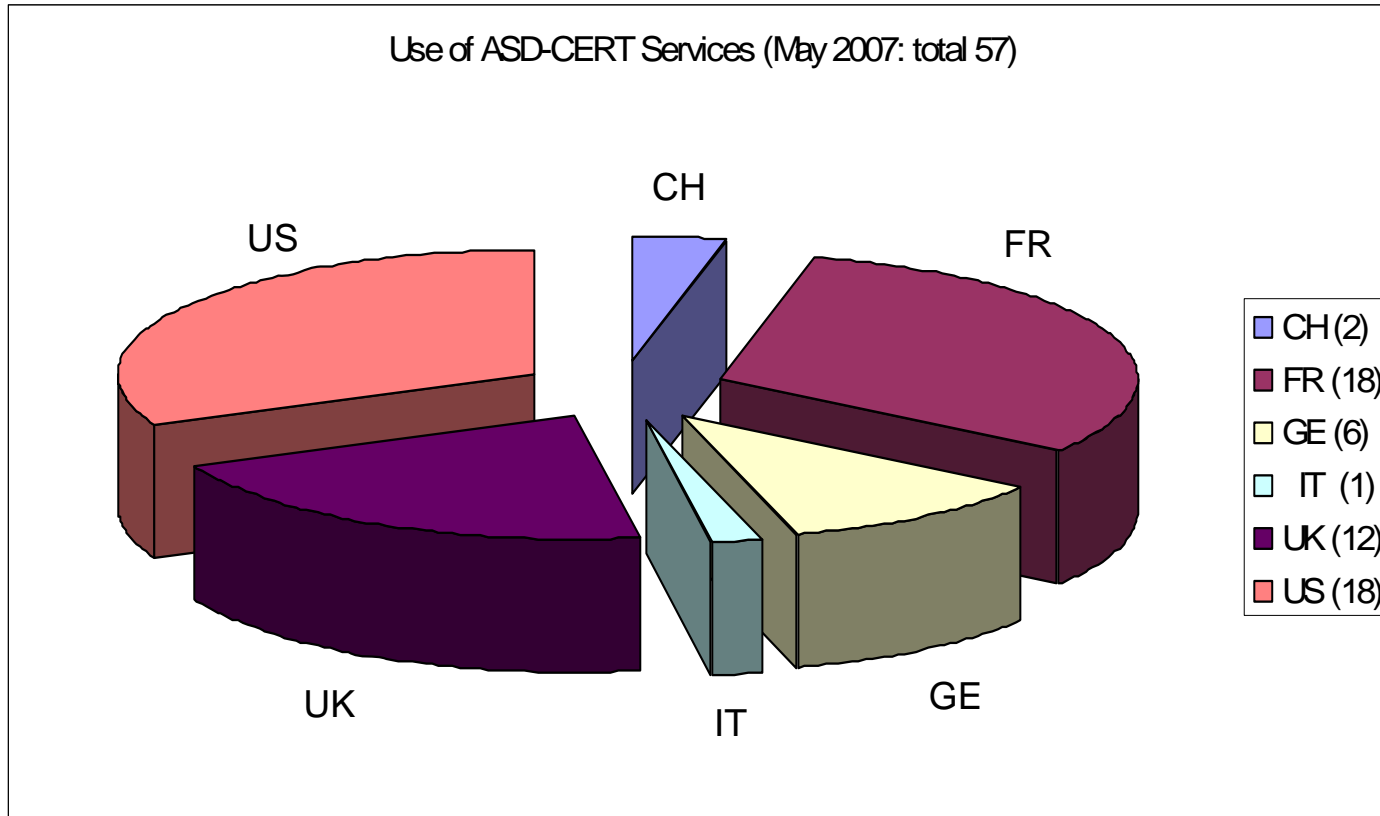
→ **technical review by
ASD-CERT Executive Board**

- Efforts at ASD-CERT central secretariat are fixed price to €uro 500,00 for new qualification certification and €uro 300,00 for certification renewal without new audit/reporting
- The final production qualification certificate is only issued after invoice payment
- Refund of costs involved with the efforts of the mandated body for the audit at the manufacturer's facilities (personnel, travel, hotel, food, etc.) is to be agreed individually between the qualification applicant and the mandated body and to be paid directly from the manufacturer to the Mandated Body

Schaublin S.A.	Delemont	CH
TriStar Electronics	Unterkulm	CH
ASF Simmonds	St. Cosme en Varais	FR
Axon Cable	Montmirail	FR
Amphenol Air LB	Blagny	FR
Bolhoff Otal	La Ravoire	FR
Caillau	Romorantin-Lanthenay	FR
Connecteurs Electriques Deutsch	Evreux	FR
Draka Fileca Foptika	Saint Geneviève	FR
Facom S.A.	Brie Comte Robert	FR
Federal Mogul Systems	Crépy en Valois	FR
Federal Mogul Systems	Compiègne	FR
Hirelco	Gargenville	FR
Lisi Blanc Aero Industries	Villefranche	FR
Nexans-Filotex	Draveil	FR
Sarma Aerospace Equipment	St. Vallier	FR
Senior Aerospace Ermeto	Fosse	FR
Senior Flexonics Ermeto	Blois	FR
Shamban Impervia	Conde-sur-Noireau	FR
Souriau	Champagné	FR
Glenair Electric Gmbh	Steinbach	GE
RiBe Richard Bergner	Schwabach	GE
RWG Frankenjura	Dachsbach	GE
SACS GmbH	Rottweil	GE
W. L. Gore	Pleinfeld	GE
GEMI	Marsberg	GE
Paolo Astori	Gattico	IT

ASD-CERT Services used by (2)

Ampep Plc	Clevedon	UK
Ampep Plc	Somerset	UK
Amphenol Ltd.	Nottingham	UK
Armstrong Fastening Systems	Hull	UK
AvialecInternational Plant	Petersfield	UK
Cabletec ICS Ltd	Weston-Super-Mare	UK
Linread Northbridge	Park Farm, Worcestershire	UK
Linread Northbridge	Leicester	UK
Polamco Ltd	Bath	UK
Polamco Ltd	Maidstone	UK
Souriau – Avialec	Petersfield	UK
SPS Technologies	Leicester	UK
A. E. Petsche	Arlington, TX	USA
Aerofit Products Inc.	Buena Park, CA	USA
Aeroflite Enterprises Inc.	Brea, CA	USA
Amphenol Aerospace	Sydney, NY	USA
Amphenol Ltd.	Nogales, AZ	USA
Bristol Industries	Brea, CA	USA
Fairchild Fasteners (South Bay)	Torrance, CA	USA
Federal Mogul Systems	Exton, PA	USA
Green, Tweed & Co.	Kulpsville, PA	USA
HiRel Connectors Inc.	Claremont, CA	USA
Sealtron Inc	Cincinnati, OH	USA
Souriau – Aeroflite	Brea, CA	USA
Souriau – Petsche	Arlington, TX	USA
Souriau – Wings	Wellington, FL	USA
SPS Technologies	Santa Ana, CA	USA
Tensolite	St. Augustine, FL	USA
Tyco Electronics	Menlo Park, CA	USA
Wings Electro Sales	Wellington, FL	USA



Navigation

- ▶ [About us](#)
- ▶ [Contact us](#)
- ▶ [Approved Manufacturers](#)
- ▶ [Qualified Products](#)
- ▶ [Mandated bodies](#)
- ▶ [Download](#)



ASD-CERT News

Latest

[ASD-CERT Assembly General and Executive Board](#)

The ASD-CERT Assembly General and the Executive Board will take place at Brussels (ASD Offices) on the 3rd of May 2007. It will start at 9:30am.

[TR 3040-2](#)

ASD Technical Report - Aerospace series - Quality Assurance EN aerospace products Part 2 - List of EN 9133 (formerly EN 3042) qualified products at manufacturers

[TR 3040-1](#)

ASD Technical Report - Aerospace series - Quality Assurance EN aerospace products Part 1 - List of EN 9100 (formerly EN 2000) approved manufacturers. Following AECMA QC 24281 and IAQG recommendations AECMA-CERT accepts 3rd party EN 9100 qualifications as recorded in IAQG OASIS data base. With immediate effect AECMA-CERT does not issue QA Quality Approval letters anymore nor renews existing ones. The QA file as recorded on TR 3040-1 is frozen but will continued to be shown at this AECMA-CERT website (see above links). AECMA-CERT continues to perform EN 9133 production qualification audits and to issue appropriate certificates as well as to audit and renew existing production qualification certificates. Appropriate changes to the AECMA-CERT Quality Manual will be contained in its next issue.



ASD-CERT

Members Area

Navigation

- ▶ [About us](#)
- ▶ [Contact us](#)
- ▶ [Approved Manufacturers](#)
- ▶ [Qualified Products](#)
- ▶ [Mandated bodies](#)
- ▶ [Download](#)



About us

ASD-CERT is an association founded by and affiliated with ASD in 1990 with the purpose to qualify standard aerospace products in accordance with the requirements of EN 9133 "Quality Management Systems - Qualification Procedure for Aerospace Standard Part" (formerly EN 3042).

In order to achieve this purpose ASD-CERT qualifies the standard aerospace products and approves the quality system of their manufacturers so as to establish conformity with the applicable standards, particularly but not limited to EN standards and surveys that the requirements underlying the qualification are observed.

The Association is a "second party" non-profit organization and has no commercial interest.

ASD-CERT publishes the lists of qualified aerospace products and their "approved" manufacturers:

- [TR 3040-1](#):
ASD Technical Report - Aerospace series - Quality Assurance EN aerospace products Part 1 - List of EN 9100 (formerly EN 2000) approved manufacturers. Following ASD QC 24281 and IAQG recommendations ASD-CERT accepts 3rd party EN 9100 qualifications as recorded in IAQG OASIS data base. With immediate effect ASD-CERT does not issue QA Quality Approval letters anymore nor renews existing ones. The QA file as recorded on TR 3040-1 is frozen but will continued to be shown at this ASD-CERT website (see above links). ASD-CERT continues to perform EN 9133 production qualification audits and to issue appropriate certificates as well as to audit and renew existing production qualification certificates. Appropriate changes to the ASD-CERT Quality Manual will be contained in its next issue.

- [TR 3040-2](#)
ASD Technical Report - Aerospace series - Quality Assurance EN aerospace products Part 2 - List of EN 9133 (formerly EN 3042) qualified products at manufacturers

→ [How to get your qualification?](#)



ASD-CERT

Members Area


How to get your Qualification ?

To apply for qualification of standard aerospace products through ASD-CERT, please read the ASD-CERT [Quality Manual](#) and send a filled-in format [ACP 003 Form 01](#) to the following address:

ASD-CERT
The Secretary General
Gulledelle 94 - b.5
B-1200 Brussels
BELGIUM Tel: +32 - 2 - 775 8110
Fax: +32 - 2- 775 8111
E-Mail: stephane.laumont@asd-europe.org

Navigation

- ▶ About us
- ▶ Contact us
- ▶ Approved Manufacturers
- ▶ Qualified Products
- ▶ Mandated bodies
- ▶ Download



ASD-CERT

ACP003 - FORM01

Please complete this form and send to: ASD-CERT - Secretary General - Gulledele 94 - b.5 - 1200 Brussels - Belgium	
Application for Product Certification	Manufacturer's reference:
Manufacturer:	
Address:	
Contact person's name:	
function:	phone:
fax:	e-mail:
We apply for certification of the following standard aerospace products:	
EN Standards:	Other Standards:
Target Date for Qualification:	
Quality System Certificates/Approvals held:	
IAQG OASIS registration	ASD-EASE EASIS registration
<input type="checkbox"/> No <input type="checkbox"/> Yes: validity _____	<input type="checkbox"/> No <input type="checkbox"/> Yes: Company _____ Date _____ Report No _____
Others (attach copy of certificates):	
European aerospace companies (interested in) purchasing the above products:	
<i>We understand that we will be liable for all expenses incurred in completing the work, regardless of the outcome. Upon certification we will pay the registration fees.</i>	
Name:	Function:
Signature:	
Date:	
To be filled in by ASD-CERT:	Received by ASD-CERT Secretary General: Quality System Approval with reference to EN 9100 is required: <input type="checkbox"/> yes <input type="checkbox"/> no

Issue 008

ASD-CERT

ACP003 - FORM01

Please complete this form and send to: ASD-CERT - Secretary General - Gulledele 94 - b.5 - 1200 Brussels - Belgium	
Application for Product Certification	Manufacturer's reference: <small>[from Manufacturer's document referencing system e.g.] Xy/z/2001-196</small>
Manufacturer: Nuts & Bolts S.A.	
Address: <small>[Applicant's location and if different location where the products will be manufactured]</small> 12345 Rue Sample 67890 Anywhere Village, Nowhere Country	
Contact person's name: Mrs. Sandy Anybody	
function: Head of Product Quality	phone: +32-2-775.8110
fax: +32-2-775.8111	e-mail: sandy.anybody@nutsbolts.com
We apply for certification of the following standard aerospace products:	
EN Standards: EN 2925, EN 2926, EN 3006, EN 3007, EN 3293, EN 3326, EN 3614	Other Standards:
Target Date for Qualification: 28 February 2001	
Quality System Certificates/Approvals held:	
IAQG OASIS registration	ASD-EASE EASIS registration
<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes: validity _____	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes: Company: EADS Hamburg..... Date 10-Jan-99 Report No EADS-0001/99
Others (attach copy of certificates): ISO 9001:1994 by Any Accredited Assessor, Boeing, Airbus,	
European Aerospace Companies (interested in) purchasing the above products: EADS Toulouse, EADS Ottobrunn, EADS Hamburg, Rolls-Royce Bristol, ITP Zamudio, Alenia Milano,	
<i>We understand that we will be liable for all expenses incurred in completing the work, regardless of the outcome. Upon certification we will pay the registration fees.</i>	
Name: Ms C. Chief	Function: Quality Director
Signature:	
Date: 31-Aug-2001	
To be filled in by ASD-CERT:	Received by ASD-CERT Secretary General: Quality System Approval with reference to EN 9100 is required: <input type="checkbox"/> yes <input type="checkbox"/> no

Issue 008

The screenshot displays the ASD-CERT website interface. At the top left is the ASD-CERT logo. To the right is a 'Members Area' link. Below the logo is a 'Navigation' menu with several items, where 'Download' is circled in red. To the right of the navigation is an 'ASD-CERT - Download' section with a list of links. On the left side of the main content area is a circular collage of aerospace-related images. On the right side, three callouts with arrows point to specific items in the download list: ACP003 (Manufacturer Application for Qualification), ACP005 (Mandated Body Recommendation to approve and certificate Qualification), and ACP008 (Manufacturer Application for Qualification of Manufacturing Change). A globe icon is positioned near the ACP003 callout.

ASD-CERT

Members Area

Navigation

- ▶ About us
- ▶ Contact us
- ▶ Approved Manufacturers
- ▶ Qualified Products
- ▶ Mandated bodies
- ▶ **Download**

ASD-CERT - Download

- ▶ ASD-CERT Flyer
- ▶ ASD-CERT Presentation
- ▶ ASD-CERT Quality manuel
- ▶ ASD-CERT formats
 - Application for Production Certification (To be filled-in by the Manufacturer)
 - Product Qualification Testing - Summary and Recommendation To be filled-in by the Mandated Body
 - Manufacturing Change Request (MCR) (To be filled-in by the Manufacturer)

ACP003

Manufacturer
Application for Qualification

ACP005

Mandated Body
Recommendation to approve and certificate Qualification

ACP008

Manufacturer
Application for Qualification of Manufacturing Change

ASD-CERT

ACP005 - FORM01

PRODUCT QUALIFICATION TESTING - SUMMARY AND RECOMMENDATION		
Mandated Body (Auditor):		
Manufacturer (Auditee): Address:		
Products subject to certification:		
Product identification <small>(acc. to marking requirements in appl. std.):</small>	Qualification document: <small>(document reference)</small>	Sealed manufacturing route <small>(document reference)</small>
Name :		
Signature:	Date:	
Recommendation of Mandated Body:		
a. m. products of Manufacturer to be certified:	<input type="checkbox"/> yes	<input type="checkbox"/> no
Name:		
Signature:	Date:	
Decision of ASD-CERT Executive Board member:		
a.m. products of Manufacturer certified:	<input type="checkbox"/> yes	<input type="checkbox"/> no
	<input type="checkbox"/> yes on condition (see separate page)	
Name:		
Signature:	Date:	

ASD-CERT

ACP005 - FORM01

PRODUCT QUALIFICATION TESTING - SUMMARY AND RECOMMENDATION		
Mandated Body (Auditor): Aerospace SA 9876 Lilienthal Weg 443322 Prime City Country		
Manufacturer (Auditee): Nuts & Bolts S.A. Address: [location subject to the audit, i.e., where the products will be manufactured] 12345 Rue Sample 67890 Anywhere Village, Nowhere Country		
Products subject to certification:		
Product identification <small>(acc. to marking requirements in appl. std.):</small>	Qualification document: <small>(document reference)</small>	Sealed manufacturing route <small>(document reference)</small>
EN2925-050030	ASAG-2925a-0023-2001	NB-Bolt-2925-050
EN2925-050042	ASAG-2925a-0023-2001	NB-Bolt-2925-050
EN2925-070068	ASAG-2997c-0025-2001	NB-Bolt-2925-070
EN2925-080026	ASAG-2997c-0025-2001	NB-Bolt-2925-080
EN2925-080034	ASAG-2997c-0025-2001	NB-Bolt-2925-080
EN2925-080054	ASAG-2997c-0025-2001	NB-Bolt-2925-080
continued on extra sheet	continued on extra sheet	continued on extra sheet
Name: A. Itor		
Signature:	Date: 12-Jul-2001	
Recommendation of Mandated Body:		
a. m. products of Manufacturer to be certified:	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
Name: E. Somebody		
Signature:	Date: 15-Jul-2001	
Decision of ASD-CERT Executive Board member:		
a.m. products of Manufacturer certified:	<input type="checkbox"/> yes	<input type="checkbox"/> no
	<input type="checkbox"/> yes on condition (see separate page)	
Name:		
Signature:	Date:	


Issue 008

ASD-CERT

Members Area

Navigation

- ▶ About us
- ▶ Contact us
- ▶ **Approved Manufacturers**
- ▶ Qualified Products
- ▶ Mandated bodies
- ▶ Download



List of approved manufacturers

This list of approved manufacturers is no more updated by ASDCERT
To get more recent information about qualified manufacturers, please visit the following databases through the links below:

- ASD-EASE : EASIS Database - <http://www.asd-ease.org>
- IAQG : OASIS Database - <http://www.iaqg.sae.org>

Select a manufacturer

Select a product range

enter selection criteria

system can interpret from partial data entry
e.g. "2997" instead of EN2997

[Members Area](#)

Navigation

- ▶ About us
- ▶ Contact us
- ▶ Approved Manufacturers
- ▶ **Qualified Products**
- ▶ Mandated bodies
- ▶ Download

List of Qualified Products

Select a Applicable EN Standard


Select a manufacturer

Product description
(i.e. a part of the EN standards' title)

PQ


Search

**QPL
Qualified
Product
List**


Members Area

Navigation

- ▶ About us
- ▶ Contact us
- ▶ Approved Manufacturers
- ▶ Qualified Products
- ▶ Mandated bodies
- ▶ Download



List of Qualified Products

Select a Applicable EN Standard

Select a manufacturer

Product description
(i.e. a part of the EN standards' title)

PQ

Criteria:
Standard: Undefined
Manufacturer: All
Product Range :

Search result

To download the result on Excel file, click here.

Product Standard Code	Identification	Product Description	Manufacturer	PQ Certificate	PQ Expiration Date	PQ Issue	Remarks	Status
EN 2997	001 classes K, KE, S, SE	Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures 175 °C continuous, 200 °C continuous, 200 °C...	Amphenol, Nogales, AZ, USA	PQ 104	2006-06	1st: 2003-09-12	not applicable	

Product Standard	Identification Code	Product Description	Manufacturer	PQ Certificate	PQ Expiration	PQ Issue Date	Remarks	Validation
EN 2997	classes K, KE, S,	operating temperatur	henol, Nogales, AZ	PQ 104	2006-06	1st: 2003-09-12	not applicable	
EN 2997	classes K, KE, S,	temperatures 175°	henol, Nogales, AZ	PQ 104	2006-06	1st: 2003-09-12	not applicable	
Search result downloaded on Excel file								
EN 2997	7	175°C continuous,	actors Inc., Claremo	PQ 080	2005-01	1st: 2002-01-22	S, K, KE, S, SE & YE only	
EN 2997	8	resistant, operating	actors Inc., Claremo	PQ 088	2006-01	1st: 2003-01-23	S, K, KE, S, SE & YE only	
EN 2997-003	S0.....	temperatures 175°C	ENL Ltd., Nottingh	PQ 080	2005-01	1st: 2002-01-22	not applicable	
EN 2997-003	S0.....	temperatures 175°C	ENL Ltd., Nottingh	PQ 080	2005-01	1st: 2002-01-22	not applicable	
EN 2997-003	SE0.....	temperatures 175°C	ENL Ltd., Nottingh	PQ 080	2005-01	1st: 2002-01-22	not applicable	
EN 2997-003	SE0.....	temperatures 175°C	ENL Ltd., Nottingh	PQ 080	2005-01	1st: 2002-01-22	not applicable	
EN 2997-003	KE3.....	temperatures 175°C	EUR ELECTRIQUES	PQ 073	2004-06	1st: 15.06.2001	activities size 12, 16 and 20	
EN 2997-003	S0.....	temperatures 175°C	EUR ELECTRIQUES	PQ 073	2004-06	1st: 15.06.2001	activities size 12, 16 and 20	
EN 2997-003	SE0.....	temperatures 175°C	EUR ELECTRIQUES	PQ 073	2004-06	1st: 15.06.2001	activities size 12, 16 and 20	
EN 2997-003	RS0.....	temperatures 175°C	(w. FRAMATOME) C	PQ 003	2004-07	2001-07-12before 19	of source for silicone rubber entering se	
EN 2997-003	S0.....	temperatures 175°C	(w. FRAMATOME) C	PQ 003	2004-07	2001-07-12before 19	of source for silicone rubber entering se	
EN 2997-003	SE0.....	temperatures 175°C	(w. FRAMATOME) C	PQ 003	2004-07	2001-07-12before 19	of source for silicone rubber entering se	
EN 2997-003	VS0.....	temperatures 175°C	(w. FRAMATOME) C	PQ 003	2004-07	2001-07-12before 19	of source for silicone rubber entering se	
EN 2997-004	S7.....	temperatures 175°C	ENL Ltd., Nottingh	PQ 080	2005-01	1st: 2002-01-22	not applicable	
EN 2997-004	S7.....	temperatures 175°C	ENL Ltd., Nottingh	PQ 080	2005-01	1st: 2002-01-22	not applicable	
EN 2997-004	SE7.....	temperatures 175°C	ENL Ltd., Nottingh	PQ 080	2005-01	1st: 2002-01-22	not applicable	
EN 2997-004	SE7.....	temperatures 175°C	ENL Ltd., Nottingh	PQ 080	2005-01	1st: 2002-01-22	not applicable	
EN 2997-004	S7.....	temperatures 175°C	EUR ELECTRIQUES	PQ 073	2004-06	1st: 15.06.2001	activities size 12, 16 and 20	
EN 2997-004	SE7.....	temperatures 175°C	EUR ELECTRIQUES	PQ 073	2004-06	1st: 15.06.2001	activities size 12, 16 and 20	
EN 2997-004	RS7.....	temperatures 175°C	(w. FRAMATOME) C	PQ 003	2004-07	2001-07-12before 19	of source for silicone rubber entering se	
EN 2997-004	S7.....	temperatures 175°C	(w. FRAMATOME) C	PQ 003	2004-07	2001-07-12before 19	of source for silicone rubber entering se	
EN 2997-004	SE7.....	temperatures 175°C	(w. FRAMATOME) C	PQ 003	2004-07	2001-07-12before 19	of source for silicone rubber entering se	
EN 2997-004	VS7.....	temperatures 175°C	(w. FRAMATOME) C	PQ 003	2004-07	2001-07-12before 19	of source for silicone rubber entering se	
EN 2997-005	Y0.....	temperatures 175°C	cont.(w. FRAMATOME) C	PQ 003	2004-07	2001-07-12before 19	of source for silicone rubber entering se	
EN 2997-005	YE0.....	temperatures 175°C	cont.(w. FRAMATOME) C	PQ 003	2004-07	2001-07-12before 19	of source for silicone rubber entering se	
EN 2997-006	Y7.....	temperatures 175°C	cont.(w. FRAMATOME) C	PQ 003	2004-07	2001-07-12before 19	of source for silicone rubber entering se	
EN 2997-006	YE7.....	temperatures 175°C	cont.(w. FRAMATOME) C	PQ 003	2004-07	2001-07-12before 19	of source for silicone rubber entering se	
EN 2997-007	Y1.....	temperatures 175°C	continuous, (w. FRAMATOME) C	PQ 003	2004-07	2001-07-12before 19	of source for silicone rubber entering se	
EN 2997-007	YE1.....	temperatures 175°C	continuous, (w. FRAMATOME) C	PQ 003	2004-07	2001-07-12before 19	of source for silicone rubber entering se	
EN 2997-008	K6.....	operating temperatur	ENL Ltd., Nottingh	PQ 080	2005-01	1st: 2002-01-22	not applicable	
EN 2997-008	K6.....	operating temperatur	ENL Ltd., Nottingh	PQ 080	2005-01	1st: 2002-01-22	not applicable	
EN 2997-008	KE6.....	operating temperatur	ENL Ltd., Nottingh	PQ 080	2005-01	1st: 2002-01-22	not applicable	
EN 2997-008	KE6.....	operating temperatur	ENL Ltd., Nottingh	PQ 080	2005-01	1st: 2002-01-22	not applicable	
EN 2997-008	S6.....	operating temperatur	ENL Ltd., Nottingh	PQ 080	2005-01	1st: 2002-01-22	not applicable	
EN 2997-008	S6.....	operating temperatur	ENL Ltd., Nottingh	PQ 080	2005-01	1st: 2002-01-22	not applicable	
EN 2997-008	SE6.....	operating temperatur	ENL Ltd., Nottingh	PQ 080	2005-01	1st: 2002-01-22	not applicable	
EN 2997-008	SE6.....	operating temperatur	ENL Ltd., Nottingh	PQ 080	2005-01	1st: 2002-01-22	not applicable	
EN 2997-008	K6.....	operating temperatur	EUR ELECTRIQUES	PQ 073	2004-06	1st: 15.06.2001	activities size 12, 16 and 20	
EN 2997-008	KE6.....	operating temperatur	EUR ELECTRIQUES	PQ 073	2004-06	1st: 15.06.2001	activities size 12, 16 and 20	
EN 2997-008	S6.....	operating temperatur	EUR ELECTRIQUES	PQ 073	2004-06	1st: 15.06.2001	activities size 12, 16 and 20	
EN 2997-008	SE6.....	operating temperatur	EUR ELECTRIQUES	PQ 073	2004-06	1st: 15.06.2001	activities size 12, 16 and 20	
EN 2997-008	K6.....	operating temperatur	(w. FRAMATOME) C	PQ 003	2004-07	2001-07-12before 19	of source for silicone rubber entering se	
EN 2997-008	KE6.....	operating temperatur	(w. FRAMATOME) C	PQ 003	2004-07	2001-07-12before 19	of source for silicone rubber entering se	
EN 2997-008	R6.....	operating temperatur	(w. FRAMATOME) C	PQ 003	2004-07	2001-07-12before 19	of source for silicone rubber entering se	
EN 2997-008	RS6.....	operating temperatur	(w. FRAMATOME) C	PQ 003	2004-07	2001-07-12before 19	of source for silicone rubber entering se	
EN 2997-008	S6.....	operating temperatur	(w. FRAMATOME) C	PQ 003	2004-07	2001-07-12before 19	of source for silicone rubber entering se	
EN 2997-008	SE6.....	operating temperatur	(w. FRAMATOME) C	PQ 003	2004-07	2001-07-12before 19	of source for silicone rubber entering se	
EN 2997-008	W6.....	operating temperatur	(w. FRAMATOME) C	PQ 003	2004-07	2001-07-12before 19	of source for silicone rubber entering se	
EN 2997-008	VS6.....	operating temperatur	(w. FRAMATOME) C	PQ 003	2004-07	2001-07-12before 19	of source for silicone rubber entering se	
EN 2997-010	K4.....	temperatures 175°C	EUR ELECTRIQUES	PQ 073	2004-06	1st: 15.06.2001	activities size 12, 16 and 20	
EN 2997-010	KE4.....	temperatures 175°C	EUR ELECTRIQUES	PQ 073	2004-06	1st: 15.06.2001	activities size 12, 16 and 20	

countersunk
reduced head

View on Web-display of QPL

EN 4499 060	in titanium alloy, anodized, with aluminium pigmented coating - Classification: 1 100 MPa (at ambient temperature) / 315 °C	SFS TECHNOLOGIES LTD. (UK)	PQ 078	2004-10	1st. 2001-10-03	not applicable
EN 4604 006	Cable, electrical, for signal transmission - Part 006 : Cable, coaxial, 50 Ohms, 200 °C, type WM - Product standard	Nexans-Filotex	PQ 123	2009-03	2006-04	
EN 4604 007	Cable, electrical, for signal transmission - Part 007 : Cable, coaxial, 50 Ohms, 200 °C, type WN - Product standard	Nexans-Filotex	PQ 123	2009-03	2006-04	
EN 4604 003	Cable, electrical, for signal transmission - Part 003 : Coaxial cable 50 Ohm, 200 °C, type WZ - Product standard	W.L. Gore & Associates	PQ 114	2006-12	2005-01	
EN 6075	Aerospace series - Static seal elements O-Ring ethylene-propylene, moulded, phosphate ester resistant (- 55 °C to 107 °C) - Inch series Aerospace series - Static seal	Greene, Tweed & Co.	PQ 137	2008-12	2006-12	Certified