

ASD-STAN Newsletter

October 2018

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INSIDE THIS ISSUE

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3. ASD-STAN statistics, EN publications, tables with ballots (pages 4-10)

General news

Dear readers,

ASD-STAN has published **8 new standards and 1 Corrigendum** in October, the details will follow on the next pages. There are 19 ASD-STAN originated EN standards published by CEN in October.

In October, the European Aviation Safety Agency ([EASA](#)) [opened a public consultation](#) on its proposal of airworthiness standards which will enable the certification of small vertical take-off and landing (VTOL) aircraft. This is a first component of the regulatory framework to enable the safe operation of air taxi and electric VTOL (eVTOL) aircraft in Europe.

ASD-STAN restructured its domain structure in early 2018 and established a domain D5 "Autonomous Flying" to address such approaches. The Domain represents the interests for the European standardization activities in the field of aircraft, which are entirely autonomously or remotely controlled. This domain activity covers the open, specific and certified categories of such systems as defined by the EASA Opinion 01/2018 for UAS issued in February 2018 and may address also the new public consultation on VTOL. It prepares ASD-STAN prEN standards, EN-standardization projects and comments as well as participates in other European and International projects.

The domain provides interested stakeholders the opportunity to actively work on standardization procedures, contribute their ideas and suggestions and take part in the information exchange between national experts. Any experts interested in involvement in ASD-STAN Domain D05 and its working groups are welcome [to contact our Executive Manager Ms. Ariane Mazel](#).

We would like to [remind on REACH seminar](#): **REACH conformity in Aerospace - Seminar for Engineering and Supply Chain**.

Below are the details:

When: 12th of November 2018 (on-site in Berlin and/or Webinar), 29th of January 2019 (on-site in Stuttgart and/or Webinar),

How to register? Please complete [this form](#) and send it to contact@asd-stan.org. For more information see the [Flyer](#)

Thank you and enjoy the read,

Andreas Jain
Director

ASD-STAN publications October 2018

Important news:

*In October 2018, ASD-STAN has published 8 ASD-STAN prENs
and 1 Corrigendum:*

[ASD-STAN prEN 2516 P1](#)

[ASD-STAN prEN 4681-001 P3](#)

[ASD-STAN prEN 4234 P5](#)

[ASD-STAN prEN 2997-011 P4](#)

[ASD-STAN prEN 4705 P1](#)

[ASD-STAN prEN 4840-102 P1](#)

[ASD-STAN prEN 9251 P1](#)

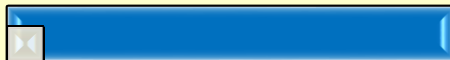
[ASD-STAN prEN 9253 P1](#)

[ASD-STAN prEN 6046 P7-Corrigendum 1](#)

which are available in our website for purchase.

Statistics for the last 3 years

Statistics 2018



- 92** New Work Proposals (stage 00.00)
- 77** New Work Proposal Ballots (stage 10.00)
- 97** Published prENs (stage 40.00)
- 142** Documents Sent for Formal Vote (stage 50.00)
- 99** Ratified EN (stage 60.60)

Statistics 2017

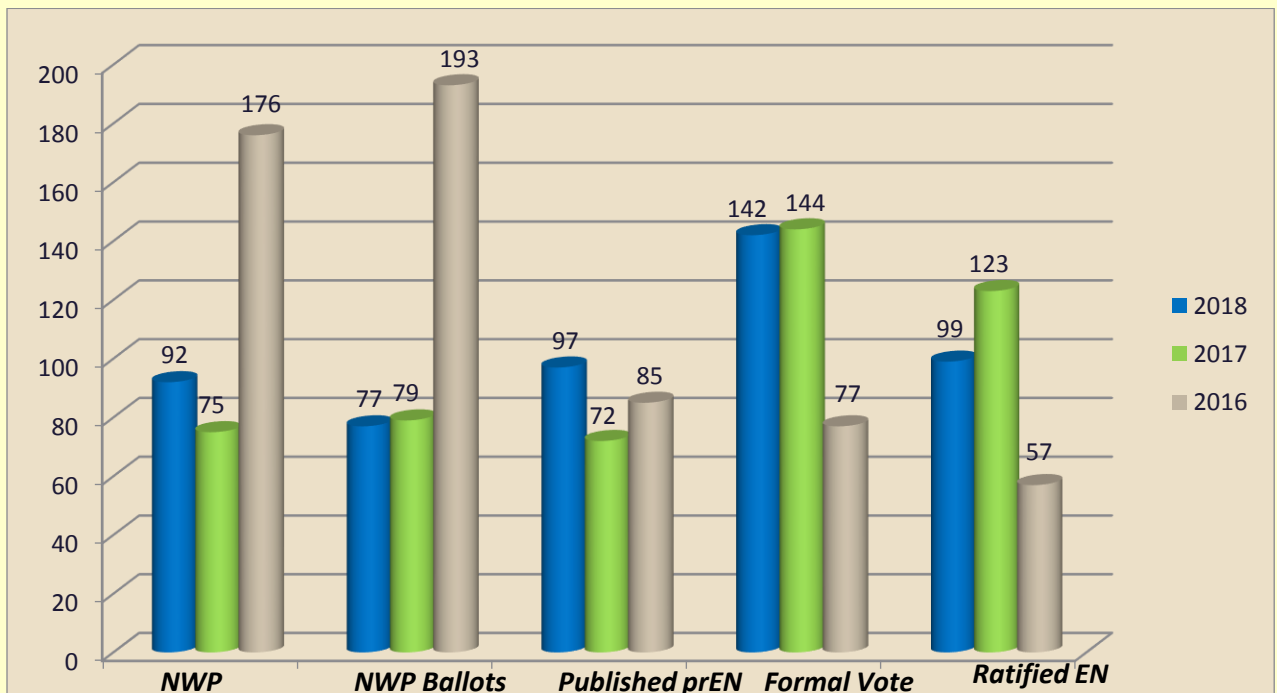


- 75** New Work Proposals (stage 00.00)
- 79** New Work Proposal Ballots (stage 10.00)
- 72** Published prENs (stage 40.00)
- 144** Documents Sent for Formal Vote (stage 50.00)
- 123** Ratified EN (stage 60.60)

Statistics 2016





- 176** New Work Proposals (stage 00.00)
- 193** New Work Proposal Ballots (stage 10.00)
- 85** Published prENs (stage 40.00)
- 77** Documents sent for Formal Vote (stage 50.00)
- 57** Ratified EN (stage 60.60)



ASD-STAN publications October 2018

Now available at the ASD-STAN Web-shop
(<http://www.asd-stan.org/online-document-store/>)


NOTE:

-  These ASD-STAN prEN/TR standards are replacing any previous ASD-STAN prEN/TR editions with the same number.
-  They will supersede any previous EN editions (if any) with the same number after the CEN Formal Vote procedure.

Type	Domain	Number	Ed	Title	Pages	Date
prEN	MAT	2516	P1	Aerospace series — Passivation of corrosion resisting steels and decontamination of nickel base alloys	12	01/10/2018
prEN	ELEC	2997-011	P4	Aerospace series — Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures - 65 °C to 175 °C continuous, 200 °C continuous, 260 °C peak — Part 011: Dummy receptacle — Product standard	8	01/10/2018
prEN	MECH	4234	P5	Aerospace series — Clamps, worm drive — Dimensions, masses	10	01/10/2018
prEN	ELEC	4681-001	P3	Aerospace series — Cables, electric, general purpose, with conductors in aluminium or copper-clad aluminium — Part 001: Technical specification	14	01/10/2018
prEN	CAB	4705	P1	Aerospace series — Measurement methods regarding the lifetime behaviour of light units in a standardized aircraft-related environment	13	01/10/2018
prEN	ELEC	4840-102	P1	Aerospace series — Heat shrinkable moulded shapes — Part 102: Elastomeric, semi-rigid, temperature range -75 to 150 °C — Product Standard	9	01/10/2018
prEN	QUAL	9251	P1	Aerospace series-Flammability Test Organisations Qualification Standard	12	01/10/2018
prEN	QUAL	9253	P1	Aerospace series — Surveillance of Aerospace Design Suppliers	67	01/10/2018
prEN	MECH	6046	Co1	Aerospace series — Bearing, spherical, plain, in corrosion resisting steel — Narrow series — Dimensions and loads — Inch series	17	01/10/2018

8 ASD-STAN prENs and 1 Corrigendum published

EN Publications of the month October 2018

NOTE:  These EN standards are replacing any previous ASD-STAN prEN/EN editions with the same number.

Type	Domain	Number	Ed	Title	Pages	Date
EN	MAT	2564	2EN	Aerospace series — Carbon fibre laminates - Determination of the fibre, resin and void contents	11	10/10/2018
EN	ELEC	4611-005	2EN	Aerospace series — Cables, electrical, for general purpose, single and multicore assembly — XLETFE Family — Part 005: Silver plated copper — Operating temperatures between - 65 °C and 150 °C — Single extruded wall for enclosed applications — UV laser printable — Product standard	11	10/10/2018
EN	ELEC	4611-006	2EN	Aerospace series — Cables, electrical, f14or general purpose, single and multicore assembly — XLETFE Family — Part 006: Silver plated copper — Operating temperatures, between - 65 °C and 150 °C — Dual extruded wall for open applications — UV laser printable — Product standard	12	10/10/2018
EN	ELEC	4611-007	2EN	Aerospace series — Cables, electrical, for general purpose, single and multicore assembly — XLETFE Family — Part 007: Nickel plated copper — Operating temperatures, between - 65 °C and 150 °C — Dual extruded wall for open applications — UV laser printable — Product standard	12	10/10/2018
EN	ELEC	4839-001	1EN	Aerospace series — Arc fault circuit breakers, three-poles, temperature compensated, rated current 3 A to 25 A, 115 V a.c. 400 Hz constant frequency — Part 001: Technical specification	21	10/10/2018
EN	ELEC	4839-003	1EN	Aerospace series — Arc Fault Circuit breakers, three-pole, temperature compensated, rated currents 3 A to 25 A, 115/200 V a.c. 400 Hz constant frequency — Part 003: Without auxiliary contacts — Product standard	12	10/10/2018
EN	ELEC	2369	1EN	Aerospace series — Wires, heat resisting alloys — Diameter $0,2 \text{ mm} \leq D \leq 8 \text{ mm}$ — Dimensions	6	17/10/2018
EN	ELEC	2591-228	1EN	Aerospace series — Elements of electrical and optical connection — Test methods — Part 228: Ferrule withdrawal force	10	17/10/2018
EN	ELEC	3745-202	2EN	Aerospace series — Fibres and cables, optical, aircraft use — Test methods — Part 202: Fibre dimensions	15	17/10/2018
EN	ELEC	4708-102	1EN	Aerospace series — Sleeving, heat-shrinkable, for binding, insulation and identification — Part 102: Very flexible polymer — Operating temperature - 75 °C to 150 °C — Product standard	11	17/10/2018
EN	ELEC	4708-106	1EN	Aerospace series — Sleeving, heat-shrinkable, for binding, insulation and identification — Part 106: Limited fire hazard sleeving — Operating temperatures - 30 °C to 105 °C — Product standard	13	17/10/2018

EN	ELEC	3660-005	3EN	Aerospace series — Cable outlet accessories for circular and rectangular electrical and optical connectors — Part 005: Cable outlet, style A, 90°, unsealed with clamp strain relief — Product standard	11	24/10/2018
EN	ELEC	2591-403	3EN	Aerospace series — Elements of electrical and optical connection — Test methods — Part 403: Sinusoidal and random vibration	12	24/10/2018
EN	ELEC	3660-004	3EN	Aerospace series — Cable outlet accessories for circular and rectangular electrical and optical connectors — Part 004: Cable outlet, style A, straight, unsealed with clamp strain relief — Product standard	12	24/10/2018
EN	MECH	2894	1EN	Aerospace series — Nuts, bihexagonal, self-locking, with counterbore, in heat resisting nickel base alloy, passivated, MoS ₂ lubricated — Classification: 1 550 MPa (at ambient temperature) / 315 °C	8	31/10/2018
EN	MECH	4710-01	2EN	Aerospace series — Quick release fastening systems for non-structural applications — Part 01: Technical specification	13	31/10/2018
EN	MECH	4710-03	2EN	Aerospace series — Quick release fastening systems for non-structural applications — Part 03: Spring clamp	8	31/10/2018
EN	QUAL	9145	1EN	Aerospace series — Requirements for Advanced Product Quality Planning and Production Part Approval Process	34	31/10/2018
EN	QUAL	9146	1EN	Aerospace series — Foreign Object Damage (FOD) Prevention Program — Requirements for Aviation, Space, and Defence Organizations	10	31/10/2018

**19 ENs released by CEN for
publication**

**The related DIN EN standards will be available soon at the ASD-STAN
web-shop.**

Ballots reminder

NWP: New Work Proposal Ballot

Number	Domain	Edition	Title	Due Date
4842	MAT	P3	Aerospace series — X5CrNiCu15-5 (1.4545) — Consumable electrode remelted (ESR or VAR) — Solution treated and precipitation treated (H1025) — Bar for machining — a or D ≤ 250 mm — 1 070 MPa ≤ R _m ≤ 1 200 MPa — Premium quality (pq)	01/10/2018
4881	MAT	P1	Aerospace series — Micro-arc oxidation of aluminium and aluminium alloys	01/10/2018
2573	MAT	P3	Aerospace series — Steel X6CrNiTi18-10 (1.4541) — Softened — R _m ≤ 780 MPa — Wire — 0,25 mm ≤ D _e ≤ 3 mm	01/10/2018
2467	MAT	P2	Aerospace series — Steel X2CrNi18-9 (1.4307) — Air melted — Softened — Plate, sheet and strip — 0,4 mm ≤ a ≤ 20 mm — 520 MPa ≤ R _m ≤ 670 MPa	01/10/2018
3480	MAT	P3	Aerospace series — Steel X6CrNiTi18-10 (1.4541) — Air melted — Softened — Plate — 6 mm < a ≤ 50 mm — 500 MPa ≤ R _m ≤ 700 MPa	01/10/2018
3487	MAT	P3	Aerospace series — Steel X6CrNiTi18-10 (1.4541) — Air melted — Softened — Bar for machining — a or D ≤ 250 mm — 500 MPa ≤ R _m ≤ 700 MPa	01/10/2018
3488	MAT	P3	Aerospace series — Steel X6CrNiTi18-10 (1.4541) — Air melted — Softened — Sheet and strip — a ≤ 6 mm — 500 MPa ≤ R _m ≤ 700 MPa	01/10/2018
6038	MAT	P3	Aerospace series — Fibre reinforced plastics — Test method — Determination of the compression strength after impact	01/10/2018
2563	MAT	P2	Aerospace series — Carbon fibre reinforced plastics — Unidirectional laminates — Determination of the apparent interlaminar shear strength	01/10/2018
2564	MAT	P3	Aerospace series — Carbon fibre laminates — Determination of the fibre, resin and void contents	01/10/2018
2377	MAT	P2	Aerospace series — Glass fibre reinforced plastics — Test method — Determination of apparent interlaminar shear strength	01/10/2018
TR 8.1200	CAB	P1	Aerospace series — Chronobiological effects on passengers on long haul flights and recommendations for improved well-being	03/10/2018
2126	MAT	P3	Aerospace series — Aluminium alloy AL-P7075-T651 and T7351 — Plates 6 mm < a ≤ 80 mm	05/10/2018
3375-011	ELEC	P3	Aerospace series — Cable, electrical for digital data transmission — Part 011: Single braid — Star Quad 100 ohms — Light weight — Type KL — Product standard	05/10/2018
2854-002	ELEC	P3	Aerospace series — Cables, electrical for general purpose — Cross sections equal to and greater than 9 mm ² — Operating temperatures between - 55 °C and 260 °C — Part 002: General	05/10/2018
6117	MECH	P2	Aerospace series — Specification for lubrication of fasteners with cetyl alcohol	09/10/2018

NWP: New Work Proposal Ballot (continuation)

3475-505	ELEC	P4	Aerospace series — Cables, electrical, aircraft use — Test methods — Part 505: Tensile test on conductors and strands	10/10/2018
4882	MAT	P1	Aerospace series — Steel X5CrNiCu 17-4 (1.4542) — Air melted — Solution treated and precipitation treated — Sheets and strips — $a \leq 6$ mm — $R_m \geq 1070$ Mpa	11/10/2018
4883	MAT	P1	Aerospace series — Steel X5CrNiCu 17-4 (1.4542) — Air melted — Solution treated and precipitation treated — Plates — $6 \leq a \leq 100$ mm — $R_m \geq 1070$ Mpa	11/10/2018
4884	MAT	P1	Aerospace series — Steel X3CrNiMoAl 13-8-2 — Vacuum induction melted and consumable electrode remelted — Solution treated and precipitation treated — Bars — a or $D \leq 200$ mm — 1200 MPa $\leq R_m \leq 1350$ MPa	11/10/2018
8.1201	CAB	P1	Aerospace series — Rotorcraft — Liferafts for operations in hostile sea areas — Requirements, testing and marking	15/10/2018
3197	ELEC	P4	Aerospace series — Design and installation of aircraft electrical and optical interconnection systems	17/10/2018
7521	ENV	P1	Aerospace series — Plain washers, metric series — Product Standard	05/11/2018
4627	MAT	P3	Aerospace series — Steel X4CrNiMo16-5-1 (1.4418) — Air melted — Hardened and tempered — Forgings — $D_e \leq 200$ mm — 1150 MPa $\leq R_m \leq 1300$ MPa	15/11/2018
4628	MAT	P3	Aerospace series — Steel X4CrNiMo16-5-1 (1.4418) — Air melted — Hardened and tempered — Bar — $D_e \leq 200$ mm — 1150 MPa $\leq R_m \leq 1300$ MPa	15/11/2018
4630	MAT	P3	Aerospace series — Steel X4CrNiMo16-5-1 (1.4418) — Air melted — Hardened and tempered — Forgings — $D_e \leq 200$ mm — 900 MPa $\leq R_m \leq 1050$ MPa	15/11/2018
4631	MAT	P3	Aerospace series — Steel X4CrNiMo16-5-1 (1.4418) — Air melted — Hardened and tempered — Bar — $D_e \leq 200$ mm — 900 MPa $\leq R_m \leq 1050$ MPa	15/11/2018
TR 8.4678	MAT	1	Aerospace series — Filler metals for welding — List of equivalence	29/11/2018
8.5201	AUT	P1	Aerospace Series — Unmanned Aircraft Systems — Product requirements and verification for the Open category	03/12/2018

NDB: National Domain Ballot

Number	Domain	Edition	Title	Due Date
4648	ELEC	P3	Aerospace series — Cable, electrical — Re-qualification following changes in design, material or manufacturing process	02/10/2018
2854-003	ELEC	P3	Aerospace series — Cables, electrical for general purpose — Cross sections equal to and greater than 9 mm ² — Operating temperatures between - 55 °C and 260 °C — Part 003: Product standard	3/10/2018
4878-001	MAT	P1	Aerospace series — Polytetrafluoroethylene (PTFE) — Moulded	26/10/2018
4878-002	MAT	P1	Aerospace series — Polytetrafluoroethylene (PTFE) — Ram extruded	26/10/2018
4878-003	MAT	P1	Aerospace series — Polytetrafluoroethylene (PTFE) — Paste extruded	26/10/2018
3572	MECH	P2	Aerospace series — PTFE flexible hose assembly with convoluted inner tube of a nominal pressure up to 6 800 kPa and 8°30' fitting in titanium — Product standard	14/11/2018
3207	MAT	P2	Aerospace series — Rubber compounds — Technical specification	30/11/2018
2213	MAT	P2	Aerospace series — Steel 15CrMoV6 (1.7334) — Air melted — Hardened and tempered — Bars — $D_e \leq 16 \text{ mm}$ — $980 \text{ MPa} \leq R_m \leq 1 180 \text{ MPa}$	06/12/2018
2252	MAT	P2	Aerospace series — Steel 15CrMoV6 (1.7334) — $1 080 \text{ MPa} \leq R_m \leq 1 250 \text{ MPa}$ — Forgings — $D_e \leq 100 \text{ mm}$	06/12/2018
3523	MAT	P3	Aerospace series — Steel 15CrMoV6 (1.7334) — Air melted — Hardened and tempered — Bar for machining — $D_e \leq 100 \text{ mm}$ — $1 080 \text{ MPa} \leq R_m \leq 1 280 \text{ MPa}$	06/12/2018
3524	MAT	P3	Aerospace series — Steel 15CrMoV6 (1.7334) — Air melted — Hardened and tempered — Sheet and strip — $2 \text{ mm} \leq a \leq 6 \text{ mm}$ — $1 080 \text{ MPa} \leq R_m \leq 1 280 \text{ MPa}$	06/12/2018
3525	MAT	P3	Aerospace series — Steel 15CrMoV6 (1.7334) — Air melted — Hardened and tempered — Plate — $6 \text{ mm} < a \leq 20 \text{ mm}$ — $1 080 \text{ MPa} \leq R_m \leq 1 280 \text{ MPa}$	06/12/2018
3526	MAT	P3	Aerospace series — Steel 15CrMoV6 (1.7334) — Air melted — Hardened and tempered — Sheet and strip — $0,5 \text{ mm} \leq a \leq 6 \text{ mm}$ — $980 \text{ MPa} \leq R_m \leq 1 180 \text{ MPa}$	06/12/2018
7102	ENV	P1	Aerospace series — Bolt, pan head, metric and inch series — Product standard	20/12/2018
7106	ENV	P1	Aerospace series — Screw, pan head, slotted, fully threaded, metric and inch series — Product standard	20/12/2018

NDB: National Domain Ballot (continuation)

7108	ENV	P1	Aerospace series — Screw, cylindrical head, slotted, fully threaded, small diameter, metric and inch series — Product standard	20/12/2018
7109	ENV	P1	Aerospace series — Screw, grub, flat point, slotted, metric and inch series — Product standard	20/12/2018
6114	MECH	P11	Aerospace series — Bolt — Countersunk head, Short thread — Inch series	20/12/2018
6115	MECH	P10	Aerospace series — Bolt — Protruding head, Short thread — Inch series	20/12/2018
3155-002	ELEC	P6	Aerospace series — Electrical contacts used in elements of connection — Part 002: List and utilization of contacts	21/12/2018
9721	DIG	P1	Aerospace series — General recommendation for the BIT Architecture in an integrated system	02/01/2019
4717	MAT	P3	Aerospace series — Polyetheretherketone with 55 % continuous carbon fibre by volume (PEEK-CF55) stock shape material — Material specification	14/01/2019
4718	MAT	P3	Aerospace series — Polyetheretherketone with 55 % continuous glass fibre by volume (PEEK-GF55) stock shape material — Material specification	14/01/2019
6069	MECH	P4	Aerospace series — Rivet, 100° reduced flush head, close tolerance — Inch series	17/01/2019
6080	MECH	P4	Aerospace series — Rivet, 100° normal flush head, close tolerance — Inch series	17/01/2019
6081	MECH	P3	Aerospace series — Rivet, universal head, close tolerance — Inch series	17/01/2019
6101	MECH		Aerospace series — Rivet, 100° medium flush head, close tolerance — Inch series	17/01/2019
2287	MECH	P3	Aerospace series — Bush, plain, in corrosion resisting steel with self-lubricating liner — Dimensions and loads	21/01/2019
6057	MECH	P2	Aerospace series — Rod-end with bearing per EN 4265 in corrosion resisting steel — Internal threaded shank — Dimension and loads — Inch series	24/01/2019