

ASD-STAN

Standardization

Newsletter & Publication Notice October 2021

Fostering Innovation with European AeroSpace Standards

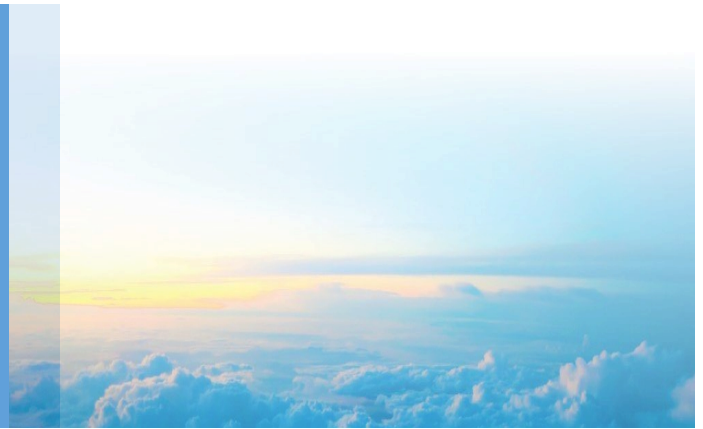


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GENERAL NEWS

Publication of [ASD-STAN prEN 4709-002 \(P1\) Aerospace series — Unmanned Aircraft Systems — Part002: Direct Remote Identification](#)

We are proud to inform you about the publication of the first ASD-STAN standard of the [prEN 4709-002 \(P1\)](#).

First of the prEN 4709-xxx series of standards, prEN 4709-002 “Direct Remote Identification” addresses the digital identification requirements for UAS classes C1, C2 and C3 based on the requirements from [Regulation \(EU\) 2019/945](#). The amended requirements from [Regulation \(EU\) 2020/1058](#) to include an NRI solution besides the DRI, e.g., on the classes C5, C6 as well for operations below 120m in the specific category are not covered by the current prEN 4709-002 “Direct Remote Identification” standard.

ASD-STAN prEN 4709-002 will also provide means of compliance to cover the “Direct Remote Identification” requirements set in Parts 2 to 4 of Regulation (EU) 2019/945 and applicable to drones of classes C1 (Part 2), C2 (Part 3) and C3 (Part 4), C5 and C6 (Part 16 and 17 of amended Regulation (EU) 2020/1058). It has to be noticed that all these 3 requirements are identical. It will also cover the requirement set in part 6 for DRI add-on. More specifically, this document will address UA capability to be identified during the whole duration of the flight, in real time and with no specific connectivity or ground infrastructure link, by existing mobile devices when within the broadcasting range. Such functionality, based on an open and documented transmission protocol (described in the document) and developed for security purposes and social acceptance, can be used by law enforcement people, critical infrastructure managers, and general public to get an instantaneous information on the UA flying around, providing various information such as UA identifier, UA navigation data and operational status, UAS Operator identifier and position as defined in the Delegated Regulation (EU) 2019/945.

For more information on the standard please check-out our [web-shop](#) or [the white paper on DRI](#) published earlier this year.

For more frequent updates, follow us on [LinkedIn](#) #ASD-STAN.

Stay tuned!
ASD-STAN Team



ASD-STAN PUBLICATIONS

Now available at the ASD-STAN Web-shop

[\(http://www.asd-stan.org/online-document-store/\)](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.

In October 2021, ASD-STAN published 9 ASD-STAN prEN standards.

Type	Number	Edition	Domain	Title	Pages	Date
prEN	3197	P4	ELEC	Aerospace series — Design and installation of aircraft electrical and optical interconnection systems	130	2021-10-01
prEN	3375-008	P2	ELEC	Aerospace series — Cable, electrical, for digital data transmission — Part008: Single braid — Star Quad 100ohms—Type KD—Product standard	13	2021-10-01
prEN	3475-505	P4	ELEC	Aerospace series — Cables, electrical, aircraft use — Test methods — Part505: Tensile test on conductors and strands	10	2021-10-01
prEN	4165-002	P3	ELEC	Aerospace series — Connectors, electrical, rectangular, modular — Operating temperature 175°C continuous — Part002: Specification of performance and contact arrangements	21	2021-10-01
prEN	4650	P2	ELEC	Aerospace series — Wire and cable marking process, UV Laser	27	2021-10-01
prEN	4708-201	P1	ELEC	Aerospace series — Sleeves, heat-shrinkable, for binding, insulation and identification — Part201: Polyolefin identification sleeves — Operating Temperature range -55°C to 135°C — Product standard	10	2021-10-01
prEN	4708-203	P1	ELEC	Aerospace series — Sleeves, heat-shrinkable, for binding, insulation and identification — Part203: polyvinylidene fluoride (PVDF) Identification sleeves — Operating Temperature range -55°C to 225°C — Product Standard	10	2021-10-01
prEN	4709-002	P1	AUT	Aerospace series — Unmanned Aircraft Systems — Part002: Direct Remote Identification	57	2021-10-01
prEN	4840-002	P2	ELEC	Aerospace series — Heat shrinkable moulded shapes — Part002: Index of product standards and product dimensions	26	2021-10-01



ASD-STAN EN PUBLICATIONS-OCTOBER 2021

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

Type	Number	Edition	Domain	Title	Pages	Date
EN	9208	1EN	GEN	Aerospace series — Programme management — Expression of need — Guidance on and format for (Need) Technical Specification	42	2021-10-13
EN	4613	2EN	MECH	Aerospace series — Spherical plain bearing in corrosion resisting steel with self-lubricating liner, narrow series —	14	2021-10-27
EN	4614	2EN	MECH	Aerospace series — Spherical plain bearing in corrosion resisting steel with self-lubricating liner, wide series — Dimensions and loads — Inch series	14	2021-10-27

STATISTICS FOR THE LAST 3 YEARS

Statistics 2021



26 New Work Proposals (stage 00.00)

29 New Work Proposal Ballots (stage 10.00)

28 Published ASD-STAN prENs/TRs (stage 40.00)

28 Documents Sent for Formal Vote (stage 50.00)

17 Ratified EN (stage 60.60)

Statistics 2020



60 New Work Proposals (stage 00.00)

58 New Work Proposal Ballots (stage 10.00)

43 Published prENs (stage 40.00)

23 Documents Sent for Formal Vote (stage 50.00)

43 Ratified EN (stage 60.60)

Statistics 2019



89 New Work Proposals (stage 00.00)

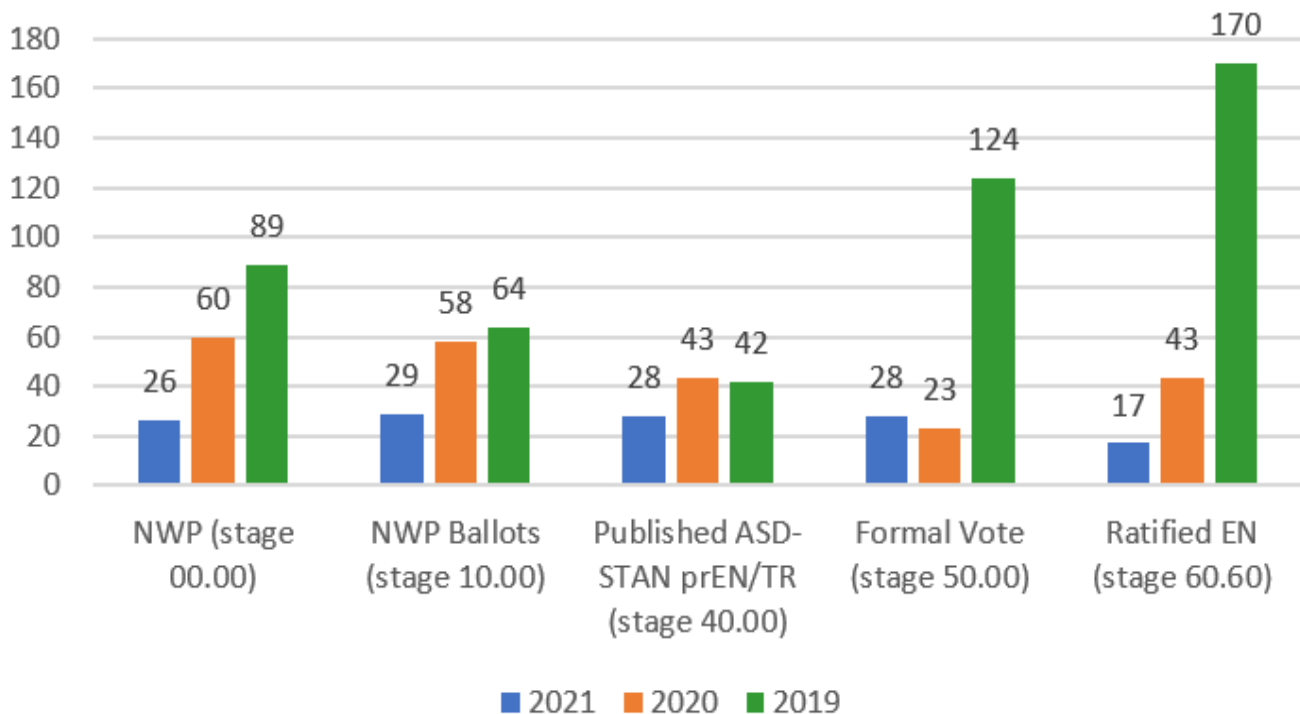
64 New Work Proposal Ballots (stage 10.00)

42 Published prENs (stage 40.00)

124 Documents sent for Formal Vote (stage 50.00)

170 Ratified EN (stage 60.60)

ASD-STAN Statistics-3 years overview



BALLOTS REMINDER

- NWP: NEW WORK PROPOSAL BALLOT -

Number	Edition	Domain	Title	Due Date
prEN 4113	P3	MECH	Aerospace series — Clamps, loop ("P" type) in corrosion resisting steel, passivated with rubber cushioning — Dimensions, masses	2021-11-15
prEN 4114	P3	MECH	Aerospace series — Clamps, loop ("P" type) in aluminium alloy with rubber cushioning — Dimensions, masses	2021-11-15
prEN 3628	P3	MAT	Aerospace series — Lockwire, drawn - Corrosion resisting steel	2021-11-15
TR 4897	P1	CAB	Aerospace series — Aircraft cabin disinfection with visible light	2021-11-29

BALLOTS REMINDER

- NDB: NATIONAL DOMAIN BALLOT -

Number	Edition	Domain	Title	Due Date
prEN 4840-103	P1	ELEC	Aerospace series — Heat shrinkable moulded shapes — Part 103: Fluoroelastomeric, temperature range -55 °	2021-10-07
prEN 4529-003	P2	ELEC	Aerospace series — Elements of electrical and optical connection — Sealing plugs — Part 003: Class T — Product	2021-10-07
prEN 4165-007	P2	ELEC	Aerospace series — Connectors, electrical, rectangular, modular — Operating temperature 175 °C continuous — Part 007: Plug for 2 and 4 modules, series 3 — Product	2021-10-28
prEN 4165-008	P2	ELEC	Aerospace series — Connectors, electrical, rectangular, modular — Operating temperature 175 °C continuous — Part 008: Rack and panel plug for 2 and 4 modules, se-	2021-10-28
prEN 4165-009	P2	ELEC	Aerospace series — Connectors, electrical, rectangular, modular — Operating temperature 175 °C continuous — Part 009: Rack and panel plug for 2 and 4 modules, series 3 — Product standard	2021-10-28
prEN 4165-010	P2	ELEC	Aerospace series — Connectors, electrical, rectangular, modular — Operating temperature 175 °C continuous — Part 010: Rack and panel rear mounted plug for 2 and 4	2021-10-28
prEN 4165-011	P2	ELEC	Aerospace series — Connectors, electrical, rectangular, modular — Operating temperature 175 °C continuous — Part 011: Flange mounting receptacle 2 and 4 modules, series 2 — Product standard	2021-10-28
prEN 4165-012	P2	ELEC	Aerospace series — Connectors, electrical, rectangular, modular — Operating temperature 175 °C continuous — Part 012: Flange mounting receptacle 2 and 4 modules, se-	2021-10-28
prEN 4165-026	P4	ELEC	Aerospace series — Connectors, electrical, rectangular, modular — Operating temperature 175 °C continuous — Part 026: Accessories for single module connector — Product standard	2021-10-28
prEN 4165-005	P2	ELEC	Aerospace series — Connectors, electrical, rectangular, modular — Operating temperature 175 °C continuous — Part 005: Stackable mounting receptacle 2 and 4 modules,	2021-10-28

BALLOTS REMINDER

- NDB: NATIONAL DOMAIN BALLOT -

Number	Edition	Domain	Title	Due Date
prEN 4165-006	P2	ELEC	Aerospace series — Connectors, electrical, rectangular, modular — Operating temperature 175 °C continuous — Part 006: Plug for 2 and 4 modules, series 2 — Product standard	2021-10-28
prEN 9101	P9	QUAL	Requirements for Conducting Audits of Aviation, Space, and Defence Quality Management Systems	2021-11-11
prEN 3361	P4	MAT	Aerospace series — Steel X5CrNiCu15-5 (1.4545) — Consumable electrode remelted — Solution treated and precipitation treated — Sheets and strips — $a \leq 6\text{mm}$ — $1\,070\text{ MPa} \leq R_m \leq 1\,220\text{ MPa}$	2021-12-09
prEN 3364	P4	MAT	Aerospace series — Steel X5CrNiCu15-5 (1.4545) — Consumable electrode remelted, softened — Forging stocks — a or $D \leq 300\text{ mm}$	2021-12-09
prEN 3479	P4	MAT	Aerospace series — Steel X5CrNiCu15-5 (1.4545) — Consumable electrode remelted — Solution treated and precipitation treated — Plates — $6\text{ mm} < a \leq 20\text{ mm}$ — $1\,070\text{ MPa} \leq R_m \leq 1\,220\text{ MPa}$	2021-12-09
prEN 4258	P3	MAT	Aerospace series — Metallic materials — General organization of standardization — Link between types of European Standards and their use	2021-12-09
prEN 4287	P2	MAT	Aerospace series — Aluminium alloy AL-P7010 — Forging stock	2021-12-09
prEN 4902	P1	MAT	Aerospace series — Surface treatments — Definitions and test methods	2021-12-09
prEN 4904	P1	MAT	Aerospace series — Steel 36NiCrMo16 — $1\,000\text{ MPa} \leq R_m \leq 1\,200\text{ MPa}$ — Bars — $100 \leq D \leq 250\text{ mm}$	2021-12-09
prEN 4863	P1	CAB	Aerospace series — Rotorcraft immersion suits — Requirements, testing and marking	2021-12-23