

Dear Colleagues,

With the aim of fostering collaboration on standardization work taking place in **ISO**, **IEC** and **ITU**, we are pleased to provide the following links to the recently proposed new work items of each organization.

[New work items at ISO](#)

[New work items at IEC](#)

[New work items at ITU](#)

Should you have questions or require further information on work being carried out in **ISO**, **IEC** and **ITU**, please contact projects@iso.org.

Yours sincerely,

ISO Central Secretariat

Standardization and Technical Policy | [iso central secretariat](#)

Target date	Limit date	Cancellation date	Timeframe	Action	Reference	Document title	Developing committee	CM/Secretary (owning committee)	Owning committee	Parallel	Registration date	Time since registration	Current stage	Stage date	Time since current stage
2024-06-10	-	-	SDT 36		ISO/NP 25267	Technical standard for kitchen and washroom in Polyhedral modular box building	ISO/TC 59/SC 19	Binhui LIN (linbinhui@chinasuo.org)	ISO/TC 59/SC 19	CHECK VA	-	-	10.00	2024-05-25	13 days
2024-07-26	-	-	SDT 36		ISO/NP 80000-15	Quantities and units — Part 15: Logarithmic quantities and their units	ISO/TC 12	Sven Radhe (sven.radhe@sis.se)	ISO/TC 12	-	-	-	10.20	2024-05-03	1 month
2024-08-09	-	-	SDT 18		ISO/NP 62264-7	Enterprise-control system integration — Part 7: Alias Service Model	ISO/TC 184/SC 5/JWG 5	Wallie Zoller (wzoller@ra.rockwell.com)	ISO/TC 184/SC 5	-	-	-	10.20	2024-05-17	21 days
2024-07-01	-	-	SDT 36		ISO/ASTM NP 52969	Additive manufacturing for metals — Non-destructive testing and evaluation — Imperfections classification in DED parts	ISO/TC 261/JG 59	Stephanie Terbrack (stephanie.terbrack@din.de)	ISO/TC 261	ISO lead, joint	-	-	10.20	2024-05-06	1 month
2024-07-28	-	-	SDT 24		ISO/IEC NP TS 42111.3	Information technology — Artificial intelligence — Guidance on lightweight AI systems	ISO/IEC JTC 1/SC 42/WG 5	Heather Benko (hbenko@ansi.org)	ISO/IEC JTC 1/SC 42	ISO lead, joint	-	-	10.20	2024-05-06	1 month
2024-07-31	-	-	SDT 36		ISO/NP 37201	Management systems to prevent and combat violence against women in organizations — Requirements with guidance for use	ISO/TC 309	Mike Henigan (mike.henigan@bsigroup.com)	ISO/TC 309	-	-	-	10.20	2024-05-08	30 days
2024-08-12	-	-	SDT 24		ISO/NP 37011	Purpose-Driven Organizations — Guidance	ISO/TC 309	Mike Henigan (mike.henigan@bsigroup.com)	ISO/TC 309	-	-	-	10.20	2024-05-20	18 days
2024-06-29	-	-	SDT 18		ISO/NP 32212	Sustainable finance — Net zero transition planning for financial institutions	ISO/TC 322	Mike Henigan (mike.henigan@bsigroup.com)	ISO/TC 322	-	-	-	10.20	2024-05-04	1 month
2024-08-10	-	-	SDT 36		ISO/NP 26162-4	Management of terminology resources — Terminology databases — Part 4: Quality	ISO/TC 37/SC 3/WG 4	Annette Preissner (annette.preissner@din.de)	ISO/TC 37/SC 3	-	-	-	10.20	2024-05-18	20 days
2024-07-26	-	-	SDT 24		ISO/NP TS 25271	Automation systems and integration — Industrial digital twin interface architecture	ISO/TC 184/SC 4	Dana Tripp (trippdsc4@gmail.com)	ISO/TC 184/SC 4	-	-	-	10.20	2024-05-31	7 days
2024-07-26	-	-	SDT 24		ISO/NP TS 25270	Automation systems and integration — Core terminology for simulation data management	ISO/TC 184/SC 4/WG 12	Dana Tripp (trippdsc4@gmail.com)	ISO/TC 184/SC 4	-	-	-	10.20	2024-05-31	7 days
2024-08-23	-	-	SDT 36		ISO/NP 25268	Rolling bearings—Insert bearing units	ISO/TC 304	Lee Webster (webster@ingensium.com)	ISO/TC 304	-	-	-	10.20	2024-05-31	7 days
2024-08-17	-	-	SDT 36		ISO/NP 25265	Mobile Robots	ISO/TC 160	Tom Stack (tom.stack@bsigroup.com)	ISO/TC 160	-	-	-	10.20	2024-05-25	13 days
2024-08-19	-	-	SDT 36		ISO/NP 25263	Glass in building — glasses used in building glass skylight system — Specification and test methods	ISO/TC 107	Jinhyuk Choi (itshyuk@gmail.com)	ISO/TC 107	-	-	-	10.20	2024-05-27	11 days
2024-08-13	-	-	SDT 36		ISO/NP 25261	Classification and Specification of Thermal Spray Seal Coatings for Gas Turbines — Low-temperature Applications	ISO/TC 107/WG 1	Jinhyuk Choi (itshyuk@gmail.com)	ISO/TC 107	-	-	-	10.20	2024-05-27	11 days
2024-08-12	-	-	SDT 36		ISO/NP 25260	Lemongrass (Cymbopogon citratus L.) whole and ground — Specification	ISO/TC 34/SC 7	Bhawana Bhawana (bhawana05@bis.gov.in)	ISO/TC 34/SC 7	-	-	-	10.20	2024-05-21	17 days
2024-08-12	-	-	SDT 36		ISO/NP 25259	Rolling bearings—Insert bearing units	ISO/TC 4/SC 6	Xiaoyu DU (13593791541@163.com)	ISO/TC 4/SC 6	-	-	-	10.20	2024-05-20	18 days
2024-08-12	-	-	SDT 36		ISO/NP 25259	Small hydropower plants — Vocabulary	ISO/TC 339	Xiaobo HU (xhbhu@icshp.org)	ISO/TC 339	-	-	-	10.20	2024-05-20	18 days
2024-08-13	-	-	SDT 24		ISO/IEC NP TS 25258	Information technology — Artificial intelligence — Hybrid AI inference framework for AI systems	ISO/IEC JTC 1/SC 42/WG 5	Heather Benko (hbenko@ansi.org)	ISO/IEC JTC 1/SC 42	ISO lead, joint	-	-	10.20	2024-05-21	17 days
2024-08-10	-	-	SDT 36		ISO/NP 25256	Road sweepers — Performance requirements and test methods	ISO/TC 195/SC 2/WG 2	Dietmar Schwark (dietmar.schwark@din.de)	ISO/TC 195/SC 2	-	-	-	10.20	2024-05-18	20 days
2024-08-10	-	-	SDT 36		ISO/NP TS 25255	Nanotechnologies — Nano-emulsions — Specifications of core characteristics and measurement methods	ISO/TC 229/WG 4	David Michael (david.michael@bsigroup.com)	ISO/TC 229	-	-	-	10.20	2024-05-18	20 days
2024-08-07	-	-	SDT 36		ISO/NP 25253-1	Footwear — Critical substances potentially present in footwear and footwear components —Per and polyfluoroalkyl substances (PFAS) — Part 1: Determination of non-volatile compound by solvent extraction and liquid chromatography	ISO/TC 216/WG 2	Henar Aragozo Rivera (haraguzo@une.org)	ISO/TC 216	CHECK VA	-	-	10.20	2024-05-16	22 days
2024-08-08	-	-	SDT 36		ISO/NP 25253-2	Footwear — Critical substances potentially present in footwear and footwear components --Per and polyfluoroalkyl substances (PFAS) — Part 2: Determination of volatile compound by solvent extraction and gas chromatography	ISO/TC 216/WG 2	Henar Aragozo Rivera (haraguzo@une.org)	ISO/TC 216	CHECK VA	-	-	10.20	2024-05-16	22 days
2024-08-05	-	-	SDT 36		ISO/NP 25252	Oil and gas industries including lower carbon energy agents for chemical flooding testing method for powdered partially hydrolyzed polyacrylamide	ISO/TC 67/SC 10	Liangwei SUN (sunliangwei@petrochina.com.cn)	ISO/TC 67/SC 10	-	-	-	10.20	2024-05-13	25 days
2024-08-05	-	-	SDT 36		ISO/NP 25251	Soil Quality—Determination of inorganic arsenic species in soils and soil-like materials	ISO/TC 190/SC 3/WG 1	Sophie Charlott Wittstock (sophie-charlott.wittstock@din.de)	ISO/TC 190/SC 3	CHECK VA	-	-	10.20	2024-05-13	25 days
2024-07-31	-	-	SDT 24		ISO/NP 25250	Carbon sequestration rate in farmed macroalgae — method for sampling and analysis	ISO/TC 234	Heidi Marie Nore (hno@standard.no)	ISO/TC 234	-	-	-	10.20	2024-05-08	30 days
2024-08-02	-	-	SDT 36		ISO/NP 25249-1	Corrosion protection of offshore wind structures — Part 1: Design considerations	ISO/TC 107	Jinhyuk Choi (itshyuk@gmail.com)	ISO/TC 107	CHECK VA	-	-	10.20	2024-05-10	28 days
2024-08-02	-	-	SDT 36		ISO/NP 25249-2	Corrosion protection of offshore wind structures — Part 2: Primary steel components — general requirements for thermal spraying and painting	ISO/TC 107	Jinhyuk Choi (itshyuk@gmail.com)	ISO/TC 107	CHECK VA	-	-	10.20	2024-05-10	28 days
2024-08-02	-	-	SDT 36		ISO/NP 25249-3	Corrosion protection of offshore wind structures — Part 3: Primary steel components — Supplementary requirements for Foundations	ISO/TC 107	Jinhyuk Choi (itshyuk@gmail.com)	ISO/TC 107	CHECK VA	-	-	10.20	2024-05-10	28 days
2024-08-02	-	-	SDT 36		ISO/NP 25249-4	Corrosion protection of offshore wind structures — Part 4: Primary steel components — Supplementary requirements for Towers	ISO/TC 107	Jinhyuk Choi (itshyuk@gmail.com)	ISO/TC 107	CHECK VA	-	-	10.20	2024-05-10	28 days
2024-08-02	-	-	SDT 36		ISO/NP 25249-5	Corrosion protection of offshore wind structures — Part 5: Supplementary requirements for primary structural steel- and cast components for rotor nacelle assembly	ISO/TC 107	Jinhyuk Choi (itshyuk@gmail.com)	ISO/TC 107	CHECK VA	-	-	10.20	2024-05-10	28 days
2024-08-02	-	-	SDT 36		ISO/NP 25248	Unmanned Aircraft System Type of Identifier Code and Graphical symbol	ISO/TC 20/SC 16/WG 4	Christopher Carnahan (chris.carnahan@aia-aerospace.org)	ISO/TC 20/SC 16	-	-	-	10.20	2024-05-10	28 days
2024-07-31	-	-	SDT 24		ISO/NP 25247	Treatment of aquaculture wastewater in closed aquaculture systems — principles and guidelines	ISO/TC 234	Heidi Marie Nore (hno@standard.no)	ISO/TC 234	-	-	-	10.20	2024-05-08	30 days
2024-07-31	-	-	SDT 36		ISO/NP TS 25246	Childcare articles: design guidance to reduce product-related hazards in the infant sleep environment	ISO/TC 310	Audrey Leplat (audrey.leplat@afnor.org)	ISO/TC 310	-	-	-	10.20	2024-05-08	30 days
2024-08-01	-	-	SDT 36		ISO/NP 25245	Peel strength of metallic coatings on plastics — Designation and test method under controlled temperatures	ISO/TC 107	Jinhyuk Choi (itshyuk@gmail.com)	ISO/TC 107	-	-	-	10.20	2024-05-09	29 days
2024-07-30	-	-	SDT 36		ISO/NP 25244	Archives performance indicators	ISO/TC 46/SC 8/WG 12	Seoyoung Jo (ssy1003@kda.or.kr)	ISO/TC 46/SC 8	-	-	-	10.20	2024-05-07	1 month
2024-07-31	-	-	SDT 36		ISO/NP 25243	Textiles — Smart textiles systems — Test method for repeated underwater pressurization	ISO/TC 38/WG 32	Norihiko Nakayama (nakayama@sengikyoo.or.jp)	ISO/TC 38	-	-	-	10.20	2024-05-08	30 days
2024-07-31	-	-	SDT 36		ISO/NP 25242	Textiles — Smart textiles systems — Test method of temperature change	ISO/TC 38/WG 32	Norihiko Nakayama (nakayama@sengikyoo.or.jp)	ISO/TC 38	-	-	-	10.20	2024-05-08	30 days
2024-07-30	-	-	SDT 36		ISO/NP 25241	Oil and gas industries including lower carbon energy injection equipment for chemical flooding layers injection tools	ISO/TC 67/SC 10	Liangwei SUN (sunliangwei@petrochina.com.cn)	ISO/TC 67/SC 10	-	-	-	10.20	2024-05-07	1 month
2024-07-26	-	-	SDT 36		ISO/NP 25224	Sterilization of health care products — Sampling and culturing for reusable, thermolabile flexible endoscopes	ISO/TC 198/WG 13	Amanda Benedict (abenedict@aami.org)	ISO/TC 198	CHECK VA	-	-	10.20	2024-05-03	1 month
2024-08-02	-	-	SDT 36		ISO/IEC NP TS 25223	Information technology — Artificial intelligence — Guidance and requirements for uncertainty quantification in AI systems	ISO/IEC JTC 1/SC 42/JWG 4	Heather Benko (hbenko@ansi.org)	ISO/IEC JTC 1/SC 42	ISO lead, joint	-	-	10.20	2024-05-10	28 days
2024-07-26	-	-	SDT 36		ISO/NP 25222-2	Characterization and verification of ultrasonic air-coupled equipment — Part 2: Probes	ISO/TC 135/SC 3/WG 5	Michael Schmitt (michael.schmitt@din.de)	ISO/TC 135/SC 3	CHECK VA	-	-	10.20	2024-05-03	1 month
2024-07-24	-	-	SDT 36		ISO/NP 25218	Composites and reinforcements fibres — Carbon fibre reinforced plastics (CFRPs) and metal assemblies — Test method for cross-tension fatigue properties	ISO/TC 61/SC 13/WG 7	Hidenori Kaya (kaya@jplif.gr.jp)	ISO/TC 61/SC 13	-	-	-	10.20	2024-05-01	1 month
2024-07-24	-	-	SDT 36		ISO/NP 25216	Categorization and classification of unmanned aircraft (UA) detection and countermeasure system	ISO/TC 20/SC 16/WG 8	Christopher Carnahan (chris.carnahan@aia-aerospace.org)	ISO/TC 20/SC 16	-	-	-	10.20	2024-05-01	1 month
2024-07-24	-	-	SDT 36		ISO/NP 25215	Civil small and light multi-copter unmanned aircraft docking system — General requirements	ISO/TC 20/SC 16/WG 6	Christopher Carnahan (chris.carnahan@aia-aerospace.org)	ISO/TC 20/SC 16	-	-	-	10.20	2024-05-01	1 month
2024-07-28	-	-	SDT 36		ISO/NP 23870-3	Mobile machinery — High speed interconnect (HSI) — Part 3: Single data channel coupling connector	ISO/TC 127/SC 3/JWG 16	Minpei SHODA (shoda_minpei@jcmnet.or.jp)	ISO/TC 127/SC 3	-	-	-	10.20	2024-05-05	1 month

2024-07-28	-	-	SDT 36	ISO/NP 23870-10	Mobile machinery — High speed interconnect (HSI) — Part 10: 1000BASE-T1 Type B communication channel	ISO/TC 127/SC 3/JWG 16	Minpei SHODA (shoda_minpei@jcmnet.or.jp)	ISO/TC 127/SC 3	-	-	-	10.20	2024-05-05	1 month
2024-08-01	-	-	SDT 36	ISO/NP 23793-2	Intelligent transport systems — Minimal risk manoeuvre (MRM) for automated driving — Part 2: Road shoulder stop — Minimum requirements and test procedures	ISO/TC 204/WG 14	Jennifer Collins (jennifer.collins@sae.org)	ISO/TC 204	-	-	-	10.20	2024-05-09	29 days
2024-08-21	-	-	SDT 18	ISO/NP 23719	Cereals and cereal products — Determination of 17 mycotoxins by ultra high performance liquid chromatography and tandem mass spectrometry method (UHPLC-MS/MS)	ISO/TC 34/SC 4/WG 8	Yan ZHANG (isotc34sc4@163.com)	ISO/TC 34/SC 4	-	-	-	10.20	2024-05-29	9 days
2024-08-19	-	-	SDT 36	ISO/NP 23292	Plastics — A method for measuring the amount of bacteria in the hydrosphere biodegradability assessment	ISO/TC 61/SC 14/WG 2	Stefanie Bierwirth (stefanie.bierwirth@din.de)	ISO/TC 61/SC 14	-	-	-	10.20	2024-05-27	11 days
2024-08-16	-	-	SDT 36	ISO/NP 23098-1	Sustainable mobility and transportation — Mobility monitoring and services by data sharing platform — Part 1: Role model	ISO/TC 268/SC 2	Koichi Matsuoka (matsuoka@jsa.or.jp)	ISO/TC 268/SC 2	-	-	-	10.20	2024-05-24	14 days
2024-07-26	-	-	SDT 36	ISO/NP 23010.2	Reactor Technology — Technical specifications for Fission Research Reactor — Waste and Decommissioning	ISO/TC 85/SC 6/WG 2	Janine Winkler (janine.winkler@din.de)	ISO/TC 85/SC 6	-	-	-	10.20	2024-05-03	1 month
2024-07-29	-	-	SDT 24	ISO/IEC NP 22989-2	Artificial intelligence — Concepts and terminology — Part 2: Healthcare	ISO/IEC JTC 1/SC 42/JWG 3	Heather Benko (hbenko@ansi.org)	ISO/IEC JTC 1/SC 42	ISO lead, joint	-	-	10.20	2024-05-06	1 month
2024-08-19	-	-	SDT 36	ISO/NP 22202.3	Magnesium and magnesium alloys — Determination of alloying and impurity elements — Inductively coupled plasma optical emission spectrometric method	ISO/TC 79/SC 5/WG 4	Liu Gu (liugu@cnsmq.com)	ISO/TC 79/SC 5	-	-	-	10.20	2024-05-27	11 days
2024-08-13	-	-	SDT 36	ISO/NP 22166-203.2	Robotics — Modularity for service robots — Part 203: Information Model for Hardware	ISO/TC 299/WG 6	Katarina Widström (katarina.widstrom@sis.se)	ISO/TC 299	-	-	-	10.20	2024-05-20	18 days
2024-07-25	-	-	SDT 36	ISO/NP 22132	Guidelines for barcode usage in trade documents	ISO/TC 154	Jianfang Zhang (zhangjf@cns.ac.cn)	ISO/TC 154	-	-	-	10.20	2024-05-02	1 month
2024-08-03	-	-	SDT 36	ISO/NP 21569-1	Molecular biomarker analysis — Methods of analysis for the detection of genetically modified organisms and derived products — Part 1: Qualitative nucleic acid based methods	ISO/TC 34/SC 16/WG 14	Michael Sussman (michael.sussman@usda.gov)	ISO/TC 34/SC 16	CHECK VA	-	-	10.20	2024-05-11	27 days
2024-08-03	-	-	SDT 36	ISO/NP 21235.2	Test method for pure cashmere content of cashmere—Near infrared spectrometer method	ISO/TC 38/SC 23/WG 5	Jierong JIANG (jrs478@163.com)	ISO/TC 38/SC 23	-	-	-	10.20	2024-05-11	27 days
2024-07-27	-	-	SDT 36	ISO/NP TS 19997	Guidelines for good practices in zeta-potential measurement	ISO/TC 24/SC 4/WG 17	David Michael (david.michael@bsigroup.com)	ISO/TC 24/SC 4	-	-	-	10.20	2024-05-04	1 month
2024-08-21	-	-	SDT 36	ISO/NP 18646-6.2	Robotics — Performance criteria and related test methods for service robots — Part 6: Lower-limb wearable robots	ISO/TC 299/WG 4	Katarina Widström (katarina.widstrom@sis.se)	ISO/TC 299	-	-	-	10.20	2024-05-28	10 days
2024-08-13	-	-	SDT 36	ISO/NP 18646-8	Robotics — Performance criteria and related test methods for service robots — Part 8: Electric vehicle charging robots	ISO/TC 299/WG 4	Katarina Widström (katarina.widstrom@sis.se)	ISO/TC 299	-	-	-	10.20	2024-05-20	18 days
2024-08-16	-	-	SDT 36	ISO/NP 18436-10	Condition monitoring and diagnostics of machine systems — Requirements for training and certification of personnel — Part 10: Condition monitoring specialists	ISO/TC 108/SC 5/WG 7	Ahshanur Rashid (ahshanur.rashid@standards.org.au)	ISO/TC 108/SC 5	-	-	-	10.20	2024-05-24	14 days
2024-07-05	-	-	SDT 24	ISO/NP TS 17595	Guidance for characterization of wood chip fuel — Essential information for producers, suppliers and users	ISO/TC 238/WG 2	Katarina Timäker (katarina.timaker@sis.se)	ISO/TC 238	-	-	-	10.20	2024-05-10	28 days
2024-08-02	-	-	SDT 36	ISO/NP 16483.2	Sustainable mobility and transportation — Digital governance — Indicators	ISO/TC 268/SC 2/WG 1	Koichi Matsuoka (matsuoka@jsa.or.jp)	ISO/TC 268/SC 2	-	-	-	10.20	2024-05-10	28 days
2024-08-09	-	-	SDT 36	ISO/NP 16079-3	Condition monitoring and diagnostics of wind turbines — Part 3: Part 3: Monitoring the structure	ISO/TC 108/SC 5/WG 16	Ahshanur Rashid (ahshanur.rashid@standards.org.au)	ISO/TC 108/SC 5	-	-	-	10.20	2024-05-17	21 days
2024-07-25	-	-	SDT 24	ISO/NP 15926-100	Industrial automation systems and integration — Integration of life-cycle data for process plants including oil and gas production facilities — Part 100: Vocabulary	ISO/TC 184/SC 4/WG 3	Dana Tripp (trippdsc4@gmail.com)	ISO/TC 184/SC 4	-	-	-	10.20	2024-05-30	8 days
2024-08-20	-	-	SDT 36	ISO/NP 14094	Adaptation to climate change — Requirement and guidance for monitoring and evaluation	ISO/TC 207/SC 7	Christine Geraghty (cgeraghty@scc.ca)	ISO/TC 207/SC 7	-	-	-	10.20	2024-05-28	10 days
2024-08-23	-	-	SDT 36	ISO/NP 13682-1	Laser and laser related equipment — Determination of the properties of ultrashort laser pulses — Part 1: Vocabulary and Symbols	ISO/TC 172/SC 9/WG 1	Clara Engesser (clara.engesser@din.de)	ISO/TC 172/SC 9	CHECK VA	-	-	10.20	2024-05-31	7 days
2024-08-23	-	-	SDT 36	ISO/NP 13682-2	Laser and laser related equipment — Determination of the properties of ultrashort laser pulses — Part 2: Autocorrelation measurement method	ISO/TC 172/SC 9/WG 1	Clara Engesser (clara.engesser@din.de)	ISO/TC 172/SC 9	CHECK VA	-	-	10.20	2024-05-31	7 days
2024-08-14	-	-	SDT 36	ISO/NP 13139.2	Microbeam analysis — Analytical electron microscopy — The measurement of the dislocation density in thin metals	ISO/TC 202/SC 3	Kazutoshi Kaji (kazutoshi.kaji.kc@hitachi-hightech.com)	ISO/TC 202/SC 3	-	-	-	10.20	2024-05-22	16 days
2024-08-08	-	-	SDT 24	ISO/IEC NP 10267	Information technology — Data usage — Personal information factor (PIF) in data related to real persons	ISO/IEC JTC 1/SC 32/WG 6	Bill Ash (bash@itic.org)	ISO/IEC JTC 1/SC 32	ISO lead, joint	-	-	10.20	2024-05-16	22 days
2024-07-25	-	-	SDT 24	ISO/NP TS 8000-230	Data quality — Part 230: Sensor data: Guidelines for data cleansing	ISO/TC 184/SC 4/WG 13	Dana Tripp (trippdsc4@gmail.com)	ISO/TC 184/SC 4	-	-	-	10.20	2024-05-30	8 days
2024-08-07	-	-	SDT 36	ISO/NP 6029-3	Intelligent transport systems — Seamless positioning for multimodal transport in ITS stations via nomadic and mobile devices — Part 3: Part 3: Secured and trusted sensor interfaces	ISO/TC 204/WG 17	Jennifer Collins (jennifer.collins@sae.org)	ISO/TC 204	-	-	-	10.20	2024-05-15	23 days
2024-08-13	-	-	SDT 36	ISO/NP 4240.4	Fine bubble technology — Environmental applications — Part 4: Test method for oil removal from soil by washing using fine bubbles	ISO/TC 281/WG 3	Nobuhiro Aya (tc281secretary@fbia.or.jp)	ISO/TC 281	-	-	-	10.20	2024-05-21	17 days
2024-06-28	-	-	SDT 18	ISO/IEC NP 4213	Artificial intelligence — Performance measurement for AI classification, regression, clustering and recommendation tasks	ISO/IEC JTC 1/SC 42/WG 5	Heather Benko (hbenko@ansi.org)	ISO/IEC JTC 1/SC 42	ISO lead, joint	-	-	10.20	2024-05-03	1 month
2024-08-16	-	-	SDT 36	ISO/NP 4078-1.2	Sustainable mobility and transportation — Roadside feeding electric road system — Part 1: Service role architecture	ISO/TC 268/SC 2	Koichi Matsuoka (matsuoka@jsa.or.jp)	ISO/TC 268/SC 2	-	-	-	10.20	2024-05-24	14 days
2024-08-16	-	-	SDT 36	ISO/NP 4078-2	Sustainable mobility and transportation — Roadside feeding electric road system — Part 2: Service and operational concept	ISO/TC 268/SC 2	Koichi Matsuoka (matsuoka@jsa.or.jp)	ISO/TC 268/SC 2	-	-	-	10.20	2024-05-24	14 days
2024-08-15	-	-	SDT 36	ISO/NP 898-11	Fasteners — Mechanical properties of fasteners made of carbon steel and alloy steel — Part 11: Bolts, screws and studs with diameters above 39 mm and up to 100 mm and specified property classes	ISO/TC 2/SC 11	Torsten Diether (torsten.diether@din.de)	ISO/TC 2/SC 11	-	-	-	10.20	2024-05-23	15 days
2024-08-15	-	-	SDT 36	ISO/NP 898-12	Mechanical properties of fasteners made of carbon steel and alloy steel — Part 12: Nuts with diameters above 39 mm and up to 100 mm and specified property classes	ISO/TC 2/SC 12	Torsten Diether (torsten.diether@din.de)	ISO/TC 2/SC 12	CHECK VA	-	-	10.20	2024-05-28	10 days
-	-	-	SDT 36	ISO/IEC/IEEE NP 26513	Systems and software engineering — Testing and reviewing of information for users	ISO/IEC JTC 1/SC 7/WG 2	Reena Garg (hltd@bis.gov.in)	ISO/IEC JTC 1/SC 7	ISO lead, joint, ISO lead, joint	-	-	10.60	2024-05-12	26 days
2024-07-05	-	-	SDT 36	ISO/NP 25160	Testing method for hose reinforcement wire	ISO/TC 17/SC 17	Mingjian Leng (lengmingjian@cmis.cn)	ISO/TC 17/SC 17	-	-	-	10.60	2024-05-25	13 days
-	-	-	SDT 36	ISO/NP 25153	Ergonomics — Human-centred design of products and services — Principles and activities	ISO/TC 159/SC 1/WG 5	Angela Rosenkranz-Wuttig (angela.rosenkranz@din.de)	ISO/TC 159/SC 1	-	-	-	10.60	2024-05-24	14 days
-	-	-	SDT 36	ISO/NP 25148-1	Ultrasonic method for residual stress characterization — Part 1: Critically refracted longitudinal wave	ISO/TC 135/SC 3	Michael Schmitt (michael.schmitt@din.de)	ISO/TC 135/SC 3	-	-	-	10.60	2024-05-24	14 days
-	-	-	SDT 36	ISO/NP 25148-2	Ultrasonic method for residual stress characterization — Part 2: Bulk wave	ISO/TC 135/SC 3	Michael Schmitt (michael.schmitt@din.de)	ISO/TC 135/SC 3	-	-	-	10.60	2024-05-24	14 days
-	-	-	SDT 36	ISO/NP 25147	Recovered paper — Old corrugated cartons — Specification	ISO/TC 6/WG 14	Bailey Smith (bailey.smith@csagroup.org)	ISO/TC 6	-	-	-	10.60	2024-05-18	20 days
-	-	-	SDT 36	ISO/NP 25142	Area selective atomic layer deposition — Specification and test methods	ISO/TC 107/WG 5	Jinhyuk Choi (tshyuk@gmail.com)	ISO/TC 107	-	-	-	10.60	2024-05-18	20 days
-	-	-	SDT 36	ISO/NP 25141	Atomic layer deposition of alumina coatings for silicon solar cell — requirements and test methods	ISO/TC 107/WG 5	Jinhyuk Choi (tshyuk@gmail.com)	ISO/TC 107	-	-	-	10.60	2024-05-18	20 days
2024-06-24	-	-	SDT 36	ISO/NP 25136	Modified starch — Determination of hydroxypropyl content — Spectrophotometric method	ISO/TC 93/WG 9	Julia Bonner Douett (jdouett@bsj.org.jm)	ISO/TC 93	-	-	-	10.60	2024-05-16	22 days
-	-	-	SDT 36	ISO/NP 25132	Classification of civil unmanned aircraft system (UAS) autonomous flight control levels	ISO/TC 20/SC 16/WG 6	Christopher Carnahan (chris.carnahan@aia-aerospace.org)	ISO/TC 20/SC 16	-	-	-	10.60	2024-05-14	24 days
-	-	-	SDT 36	ISO/NP 25125	Ships and marine technology—Accommodation ladders—Maintenance, use, survey and inspection	ISO/TC 8/SC 1/WG 2	Stephanie Groleau (ISOTC8SC1@uscg.mil)	ISO/TC 8/SC 1	-	-	-	10.60	2024-05-03	1 month
-	-	-	SDT 36	ISO/NP 25123	Ships and marine technology—Vertical escape ladders of offshore platforms	ISO/TC 8/SC 1/WG 2	Stephanie Groleau (ISOTC8SC1@uscg.mil)	ISO/TC 8/SC 1	-	-	-	10.60	2024-05-02	1 month
-	-	-	SDT 36	ISO/NP 25122	Ethylene and propylene for industrial use — Determination of traces of carbon monoxide and carbon dioxide—Gas chromatographic method	ISO/TC 47/WG 2	Reiko Nonaka (monaka@jcia-net.or.jp)	ISO/TC 47	-	-	-	10.60	2024-05-02	1 month

Year	Month	Day	SDT	ISO/IEC	Title	ISO/IEC JTC 1/SC 7/WG 6	Lead	ISO/IEC JTC 1/SC 7	ISO lead, joint	Start	End	Days	Start	End	Days
-	-	-	SDT 36	ISO/IEC NP 25023	Systems and software engineering — Systems and software Quality Requirements and Evaluation (SQuaRE) — Measurement of product quality	ISO/IEC JTC 1/SC 7/WG 6	Reena Garg (hlitd@bis.gov.in)	ISO/IEC JTC 1/SC 7	ISO lead, joint	-	-	10.60	2024-05-12	26 days	
-	-	-	SDT 36	ISO/NP TS 24939-1	Health informatics — Requirements for use of graphical content in health-related communications — Part 1: Image specifications	ISO/TC 215	Rachel Hawthorne (rhawthorne@ansi.org)	ISO/TC 215	-	-	-	10.60	2024-05-30	8 days	
-	-	-	SDT 36	ISO/NP 24920	Synchronous belt drives — Technical specification for installation	ISO/TC 41/SC 4	Dan Parsons (dparsons@arpmc.org)	ISO/TC 41/SC 4	-	-	-	10.60	2024-05-25	13 days	
-	-	-	SDT 36	ISO/NP 24321	Ships and marine technology — Force characteristic tests for waterjet unit	ISO/TC 8/SC 8	Byeong Cheol Choi (bcccc@naver.com)	ISO/TC 8/SC 8	-	-	-	10.60	2024-05-30	8 days	
-	-	-	SDT 36	ISO/IEC NP TS 22864	Systems and software engineering — Model identity card Cork bark selected as bottling product — Part 2: Sensory evaluation — Selection and training of the individuals for sensory evaluation analyzes	ISO/IEC JTC 1/SC 7/WG 19	Reena Garg (hlitd@bis.gov.in)	ISO/IEC JTC 1/SC 7	ISO lead, joint	-	-	10.60	2024-05-04	1 month	
-	-	-	SDT 18	ISO/NP 22308-2	Packaging for non-sterile medical devices — Requirements for packaging systems	ISO/TC 87/WG 12	Milton Guedes (mguedes@ctcor.com)	ISO/TC 87	-	-	-	10.60	2024-05-25	13 days	
-	-	-	SDT 36	ISO/NP 22246	Ergonomics — General ergonomic requirements and recommendations for service	ISO/TC 122/SC 3	Shanti Conn (shanti.conn@bsigroup.com)	ISO/TC 122/SC 3	-	-	-	10.60	2024-05-08	30 days	
-	-	-	SDT 36	ISO/NP 21372	Ergonomics — General ergonomic requirements and recommendations for service	ISO/TC 159	Angela Rosenkranz-Wuttig (angela.rosenkranz@din.de)	ISO/TC 159	-	-	-	10.60	2024-05-11	27 days	
-	-	-	SDT 36	ISO/NP 18662-3	Traditional Chinese medicine — Vocabulary — Part 3: Efficacy of Chinese Materia Medica	ISO/TC 249/WG 5	Zhen SANG (msch2009@gmail.com)	ISO/TC 249	-	-	-	10.60	2024-05-31	7 days	
-	-	-	SDT 36	ISO/NP 17123-10.2	Optics and optical instruments — Field procedures for testing geodetic and surveying instruments — Part 10: UAV photogrammetry systems	ISO/TC 172/SC 6/WG 4	Tanja Jankovic (tanja.jankovic@snv.ch)	ISO/TC 172/SC 6	-	-	-	10.60	2024-05-03	1 month	
-	-	-	SDT 36	ISO/NP 16481.2	Sustainable mobility — Digital governance — Strategic needs regarding the ISO 37101 purposes of sustainability	ISO/TC 268/SC 2/WG 1	Koichi Matsuoka (matsuoka@jsa.or.jp)	ISO/TC 268/SC 2	-	-	-	10.60	2024-05-28	10 days	
-	-	-	SDT 36	ISO/NP 9241-140.2	Ergonomics of human-system interaction — Part 140: Guidance on selecting and combining Interaction Techniques	ISO/TC 159/SC 4/WG 5	Andrew Barrett (andrew.barrett@bsigroup.com)	ISO/TC 159/SC 4	-	-	-	10.60	2024-05-16	22 days	
-	-	-	SDT 36	ISO/NP 7817-3	Building information modelling — Level of information need — Part 3: Schema	ISO/TC 59/SC 13	Lisbet Landfald (lia@standard.no)	ISO/TC 59/SC 13	CHECK VA	-	-	10.60	2024-05-12	26 days	
-	-	-	SDT 36	ISO/NP 7125-1	Cylindrical worm gears — ISO system of flank tolerance classification — Part 1: Definitions of manufacturing specification data, verification parameters, and classification formulae for tooth flanks	ISO/TC 60/SC 1/WG 7	Tanja Jankovic (tanja.jankovic@snv.ch)	ISO/TC 60/SC 1	-	-	-	10.60	2024-05-08	30 days	
2024-05-24	-	-	SDT 24	ISO/NP 6789-3	Assembly tools for screws and nuts — Hand torque tools — Requirements and test methods for design conformance testing, quality conformance testing and recalibration procedure — Part 3: Requirements and methods for interim checking	ISO/TC 29/SC 10/WG 3	Benjamin Faltin (benjamin.faltin@din.de)	ISO/TC 29/SC 10	CHECK VA	-	-	10.60	2024-05-17	21 days	
2024-06-06	-	-	SDT 36	ISO/NP 6157-4	Fasteners — Surface discontinuities — Part 4: Washers	ISO/TC 2	Torsten Diether (torsten.diether@din.de)	ISO/TC 2	CHECK VA	-	-	10.60	2024-05-31	7 days	
-	-	-	SDT 36	ISO/NP 4625-3.2	Binders for paints and varnishes — Determination of softening point — Part 3: Cup method (without a ball)	ISO/TC 35/WG 5	Annemieke Venemans (annemieke.venemans@nen.nl)	ISO/TC 35	-	-	-	10.60	2024-05-24	14 days	
2025-06-02	2026-05-28	2026-05-29	SDT 36	ISO/IEC AWI 80079-34	Explosive atmospheres — Part 34: Application of quality management systems for Ex Product manufacture	ISO/TMBG	José Alcorta (alcorta@iso.org)	ISO/TMBG	ISO lead, joint, IEC lead, joint	2024-05-28	10 days	10.99	2024-05-28	10 days	
-	2026-05-31	2026-06-01	SDT 36	ISO/AWI 45001	Occupational health and safety management systems — Requirements with guidance for use	ISO/TC 283/WG 6	Lachean Humphreys (lachean.humphreys@bsigroup.com)	ISO/TC 283	ISO lead, joint	2024-05-31	7 days	10.99	2024-05-31	7 days	
-	-	-	-	ISO/AWI TR 37118	Sustainable cities and communities — Survey and best practices of integrated citizen-centric services	ISO/TC 268/WG 4	Svitlana Grand-Chavin (svitlana.grandchavin@afnor.org)	ISO/TC 268	-	2024-05-17	21 days	10.99	2024-05-17	21 days	
2024-09-27	2025-01-23	2025-01-24	SDT 18	ISO 32000-2:2020/AWI Amd 1	Document management — Portable document format — Part 2: PDF 2.0 Amendment 1	ISO/TC 171/SC 2/WG 8	Betsy Fanning (betsy.fanning@pdfa.org)	ISO/TC 171/SC 2	-	2024-05-23	15 days	10.99	2024-05-23	15 days	
-	2026-05-06	2026-05-07	SDT 36	ISO/AWI 25094-1	E-sports — Part 1: Definitions	ISO/TC 83	Leticia de Anda González (leticia.deandagonzalez@din.de)	ISO/TC 83	-	2024-05-06	1 month	10.99	2024-05-06	1 month	
2026-05-01	2026-05-03	2026-05-04	SDT 36	ISO/IEC AWI 19989-1	Information security — Criteria and methodology for security evaluation of biometric systems — Part 1: Framework	ISO/IEC JTC 1/SC 27/WG 3	Sobhi Mahmoud (sobhi.mahmoud@din.de)	ISO/IEC JTC 1/SC 27	ISO lead, joint	2024-05-03	1 month	10.99	2024-05-03	1 month	
2025-01-02	2025-05-02	2025-05-03	SDT 24	ISO/AWI 17325-4	Ships and marine technology — Marine environment protection — Oil booms — Part 4: Auxiliary equipment	ISO/TC 8/SC 2/WG 3	Carolyn Junemann (carolyn.junemann@dot.gov)	ISO/TC 8/SC 2	-	2024-05-02	1 month	10.99	2024-05-02	1 month	
2026-04-15	2026-05-02	2026-05-03	SDT 36	ISO/AWI 16304	Ships and marine technology — Marine environment protection — Arrangement and management of port waste reception facilities	ISO/TC 8/SC 2	Carolyn Junemann (carolyn.junemann@dot.gov)	ISO/TC 8/SC 2	-	2024-05-02	1 month	10.99	2024-05-02	1 month	
-	2025-11-23	2025-11-24	SDT 18	ISO/AWI TS 10303-1276	Industrial automation systems and integration — Product data representation and exchange — Part 1276: Application module: Location	ISO/TC 184/SC 4/WG 12	Dana Tripp (trippds4@gmail.com)	ISO/TC 184/SC 4	-	2024-05-23	15 days	10.99	2024-05-23	15 days	
2024-12-30	2025-05-22	2025-05-23	SDT 24	ISO/AWI 4323	Soaps — Determination of chloride content — Potentiometric method	ISO/TC 91/WG 1	Artimis Ronassi (artimisonassi@gmail.com)	ISO/TC 91	-	2024-05-22	16 days	10.99	2024-05-22	16 days	

Search on Working Documents on 2024-06-06							
Committee	Reference	Title	Circulation date	Closing date	CENELEC parallel vote	Of interest to Committees	Downloads
TC 110	110/1650/NP	PNW 110-1650 ED1: Eyewear display - Part 50: User interaction	2024-05-31	2024-07-26	E	TC 100 -	
TC 113	113/827/NP	PNW 113-827 ED1: 62607-8-5: Nanomanufacturing - Key Control Characteristics - Part 8-5: Nano-enabled metal-oxide interfacial devices - Oxygen distribution: Secondary ion mass spectrometry (SIMS)	2024-05-03	2024-07-26	U		
TC 113	113/828/NP	PNW TS 113-828 ED1: Nanomanufacturing - Key control characteristics - Part 8-6: Metal-oxide interfacial devices - Optical properties: Spectroscopic ellipsometry	2024-05-03	2024-07-26	U		
TC 113	113/831/NP	PNW TS 113-831 ED1: IEC TS 62607-3-5 Nanomanufacturing - Key control characteristics - Part 3-5: Nanophotonic products - Light conversion efficiency of quantum dot-based light conversion films: Luminance meter	2024-05-10	2024-08-02	U		
TC 113	113/832/NP	PNW TS 113-832 ED1: IEC TS 62607-3-4 Nanomanufacturing - Key control characteristics - Part 3-4: Nanophotonic products - Luminance of quantum-dot-based light emitting diodes: integrating sphere, spectroradiometer	2024-05-10	2024-08-02	U		
TC 113	113/833/NP	PNW TS 113-833 ED1: <p>Nanomanufacturing - Product specification - Part 5-5: Nanoenabled energy storage - Detail specification: Graphene - carbon nanotube suspension for conductive agent in</p> <p>Li-ion	2024-05-10	2024-08-02	U		
TC 114	114/526/NP	PNW TS 114-526 ED1: Measurement and characterization of turbulence	2024-05-03	2024-07-26	U		
TC 116	116/768/NP	PNW 116-768 ED1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2 25: Particular requirements for hand-held chain beam saws	2024-05-03	2024-07-26	U		
TC 119	119/491/NP	PNW 119-491 ED1: IEC 62899-202-14 ED1 Printed electronics - Part 202-14: Materials - Test methods of conductive ink suitability for screen printing	2024-05-03	2024-07-26	E		
TC 119	119/492/NP	PNW 119-492 ED1: IEC 62899-202-13 ED1 Printed electronics - Part 202-13: Materials - Resistance measurement method for conductive layer in printed and in-mould electronics	2024-05-03	2024-07-26	E	TC 91 -	
TC 47	47/2847/NP	PNW 47-2847 ED1: Semiconductor devices - Performance evaluation of semiconductor processing components and inspection equipment - Part 3: Nano-scale wafer surface inspection method using UV light	2024-05-10	2024-08-02	U		

TC 47	47/2848/NP	PNW 47-2848 ED1: Semiconductor devices - Performance evaluation of semiconductor processing components and inspection equipment - Part 4: Evaluation methods for dimensional accuracy of laser dicing process	2024-05-10	2024-08-02	U	
SC 65A	65A/1117/NP	PNW TS 65A-1117 ED1: Information technology ? Artificial intelligence ? Guidance and requirements for uncertainty quantification in AI systems	2024-05-10	2024-08-02	U	
TC 69	69/962/NP	PNW 69-962 ED1: Protocol for management of electric vehicles charging and discharging infrastructures ? Part 2: Technical protocol specifications and requirements	2024-05-17	2024-08-09	U	TC 57 -
TC 72	72/1448/NP	PNW 72-1448 ED1: Automatic electrical controls ?Part 2-24: Particular requirements for displacement electrical controls	2024-05-24	2024-06-21	U	
TC 80	80/1120/NP	PNW 80-1120 ED1: Maritime navigation and radiocommunication equipment and systems - Global navigation satellite systems (GNSS) - Part 8: Quasi-Zenith Satellite System (QZSS) receiver equipment - Performance requirements, methods of testing and required test results	2024-05-31	2024-08-23	U	
TC 85	85/924/NP	PNW 85-924 ED1: Electrical safety in low voltage distribution systems up to 1.000 V AC and 1.500 V DC - Equipment for testing, monitoring or measuring the protective measures in energy distribution system - part 19: Monitoring device for earthing impedance in IT-systems	2024-05-31	2024-08-23	U	TC 64 -
SC 86C	86C/1928/NP	PNW 86C-1928 ED1: Fibre optic sensors ? Part 8-1: Pressure measurement ? Pressure sensors based on fibre Bragg	2024-05-17	2024-08-09	U	TC 17 - TC 18 - TC 20 - TC 38 - TC 45 - TC 65 - TC 85 -
SC 8A	8A/159/NP	PNW TS 8A-159 ED1: Grid compliance test for photovoltaic power plants	2024-05-17	2024-08-09	U	TC 8 - TC 82 -
ISO/IEC JTC 1/SC 25	JTC1-SC25/3242/NP	PNW JTC1-SC25-3242 ED1: Information technology - Home Electronic System (HES) architecture - Part 5-105: Intelligent grouping and resource sharing for HES Class 2 and Class 3 - RA server-based smart lock application - Test and verification	2024-05-10	2024-08-02	U	TC 23 -
ISO/IEC JTC 1/SC 25	JTC1-SC25/3243/NP	PNW JTC1-SC25-3243 ED1: Information technology ? Home Electronic System (HES) architecture - Part-4-303 Application protocol for electric vehicle supply equipment (EVSE) chargers and controllers	2024-05-17	2024-08-09	U	TC 23 - TC 69 - TC 100 -
ISO/IEC JTC 1/SC 25	JTC1-SC25/3244/NP	PNW JTC1-SC25-3244 ED1: Information technology ? Home Electronic System (HES) architecture - Part-4-304 Application protocol for electric vehicle supply equipment (EVSE) charger and dischargers and controllers	2024-05-17	2024-08-09	U	TC 23 - TC 69 - TC 100 -

[ITU-T WP](#)

8 work item(s) match following criteria:

Study period: **Any**
 Study group: **Any**
 Working party: **Any**
 Question: **Any**
 GSI: **Any**
 Work item status: **Under study;**
Consented / Determined;
Deferred to WTSA;
Approved;

First registered into the WP: **Any time**

Approved between: **2024-05-01** and **2024-05-31**

Report generated on the 6/7/2024 2:22:34 AM

Work item	Question	Equiv. Num.	Status	Timing	Approval process	Version	Liaison relationship	Subject / Title	Priority
J.TR.WiFiTV	Q1/9		Agreed 2024-05-17	2024-05	Agreement	New	-	Secondary distribution of digital television and audiovisual content to portable devices using the wireless local area network	Medium
G.191 (2024-04)	Q2/12		Approved 2024-05-29	-	AAP	Rev.	-	Software tools for speech and audio coding standardization	-
P.10/G.100 Amd.2	Q2/12		Approved 2024-05-29	-	AAP	-	-	vocabulary for performance, quality of service and quality of experience. Amendment 2 New definitions for inclusion in Recommendation ITU-T P.10/G.100	-
P.812 (ex P.IntVR)	Q7/12		Approved 2024-05-29	2024	AAP	New	-	Principles of subjective test methods for interactive virtual reality (VR) applications	Medium
P.863.2 (2024-04)	Q9/12		Approved 2024-05-29	-	AAP	Rev.	-	Extension of ITU-T P.863 for multi-dimensional assessment of degradations in telephony speech signals up to fullband	-
E.813 (ex E.MVS)	Q12/12		Approved 2024-05-29	2024-04	AAP	New	-	Mapping and visualization strategies for the assessment of connectivity	Medium
P.833.2	Q15/12		Approved 2024-05-29	2024	AAP	New	-	Methodology for the derivation of equipment impairment factors from subjective listening only tests for fullband speech codecs	High
G.1052 (ex Y.TestBed)	Q17/12		Approved 2024-05-29	2024-04	AAP	New	SG11, SG13, NGMN, ETSI TC STQ, ETSI TC STQ Mobile	Testbed framework for mobile application QoS and QoE evaluation	-

Work item: Short name identifying a (draft or approved) Recommendation or other text. It may be a provisional name or the final publication designation (e.g. H.264)

Question: Number of the Question responsible for the development of a work item

Equiv. Num.: If any, designation of the equivalent document as published by another standards development organization (e.g., for Common texts with ISO/IEC JTC1)

Status: Current Approval state of a work item

Timing: Best current estimate of the expected year and month of Determination (TAP), Consent (AAP), or Agreement (non-normative materials) of a work item

Approval process: One of: Traditional Approval Process (TAP); Alternative Approval Process (AAP); or Agreement

Version: Indication of whether a work item is new or revised

Liaison relationship: List of groups/organizations coordinating work on a topic

Subject / Title: Best current expectation of the full name of a work item

Priority: One of: Low; Medium; or High