



VEYRUM ROBOTICS STANDARD



VRS-DOM-001

Domestic & Consumer Sector Standard

Application Rating requirements for robots operated by untrained consumers in and around the home — sector applicability, hazard taxonomy, evidence reuse and loss-driver mapping (VRS 2026).

VEYRUM RESEARCH INSTITUTE

DOCUMENT

VRS-DOM-001

VERSION

1.0

STATUS

Draft

DATE

16 September 2026

Contents

1	Introduction	
2	1 Scope	
3	2 Normative references	
4	3 Terms and definitions	
5	4 Sector applicability	
6	5 Sector hazard taxonomy	
7	6 Rubric and grade bands	
8	7 Evidence requirements	
9	8 Loss-driver mapping (insurance and finance fitness)	
10	9 Protocol references	
11	10 Worked example (informative) – applicability walkthrough	
12	Annex A (normative) – Household-exposure module	
13	Bibliography	
14	Change history	

Foreword. Sector standard for the **Domestic & Consumer (DOM)** application sector, instantiating the universal sector template (VRS-GEN-002 §6.4) with the **public-exposure module** adapted to household conditions (Annex A). It is kept deliberately separate from Service & Public (SVC): the home is an uncontrolled environment operated by **untrained owners**, with children, pets, stairs, water, and no professional oversight — a consumer-product-safety regime, not a venue-operator regime. Anchors were verified against issuing-body pages on 2026-09-15 (Bibliography).

Numeric thresholds are not set in this document; they are uncalibrated draft priors held in the DOM rubric (VRS-DOM-201 and its data twin VRS-DOM-501) and fitted only via VRS-GEN-202. A Domestic & Consumer AR is an opinion above the compliance floor, not a certification; nothing here implies any real robot holds a Veyrum rating (ratings are not published). Requirements use “shall”; recommendations use “should”.

1 Introduction

A domestic robot is judged by loss the way no industrial robot is: it operates unsupervised, for years, in a dwelling it shares with the people least able to avoid it — toddlers, pets, the elderly — and it is maintained, if at all, by an owner who has read no manual and holds no licence. The loss-relevant facts therefore differ from every other sector. Frequency is driven by uninstructed contact and by the home’s own hazards (stairs, water, charging fires), not by a trained operator’s error rate; severity is weighted to a child rather than an average adult; and recoverability turns on whether a manufacturer can *reach* a dispersed consumer fleet to remediate a defect, since there is no fleet operator to call. This Standard fixes what a Domestic & Consumer AR shall weigh, which existing conformity evidence it reuses, and how each signal maps to an insurance or finance loss driver, so that an underwriter pricing home-robot liability or a lender financing a consumer fleet can read the letter with instincts they already have.

2 1 Scope

This Standard defines the requirements for issuing a **Domestic & Consumer AR**: sector applicability (Clause 4), the sector hazard taxonomy (Clause 5), the rubric and grade bands (Clause 6), evidence requirements (Clause 7), the loss-driver mapping (Clause 8), and protocol references (Clause 9). Its clauses follow the universal sector template (VRS-GEN-002 §6.4).

It covers home service robots operated by consumers: floor care (including robot vacuums and floor-treatment machines), lawn/garden care, companion and assistant devices, domestic humanoids, and comparable consumer robots. The scoring mathematics are excluded (VRS-GEN-005/006; the sector’s scoring content lives in VRS-DOM-201 with its data twin VRS-DOM-501). Boundary with adjacent sectors: human- attached assistive devices are rated under **VRS-ASW-001**; clinical and personal-care use under **VRS-MED-001**; commercial venue service among untrained bystanders under **VRS-SVC-001**. Robot form is not a sector (VRS-GEN-001 §3.4.3): any form is rated under DOM by this Standard when Clause 4 holds.

3 Normative references

The documents below constitute requirements of this Standard where cited. VRS documents are dated at the point of assessment unless stated otherwise.

- **VRS-GEN-001**, Vocabulary; **VRS-GEN-005**, IR Methodology; **VRS-GEN-006**, AR Scheme; **VRS-GEN-007**, Sector Classification; **VRS-GEN-009**, Passport & Registry Schema; **VRS-GEN-012**, Evidence & Data Requirements (evidence grades).
- **VRS-DOM-201**, Domestic & Consumer AR Assessment Protocol (scoring; dated at assessment); its data twin is **VRS-DOM-501**.
- **VRS-GEN-202**, Calibration & Validation Protocol (constant fitting and validation).
- Anchor regimes (verified 2026-09-15) — anchors and evidence lanes, **not** conformity floors VRS re-certifies (VRS-GEN-001 §3.5.1); the ISO 8373:2021 term basis is cross-referenced in Clause 3:
 - **IEC 60335-1:2020 (+AMD1:2025)** — household and similar electrical appliances, general requirements (edition 6.0; ≤250 V single-phase, including DC-supplied and battery-operated appliances).
 - Robot-relevant particular parts, per product type: **IEC 60335-2-2:2026** (edition 8.0; vacuum cleaners and water-suction cleaners, scope explicitly including automatic battery-operated cleaners, i.e. robot vacuums; supersedes IEC 60335-2-2:2019 ed. 7.0), **IEC 60335-2-107:2017+AMD1:2020+ AMD2:2021** (robotic battery-powered rotary lawnmowers, battery rated ≤75 V d.c.), **IEC 60335-2-10:2021** (floor treatment and wet-scrubbing machines).
 - **ISO 13482:2014** — Safety requirements for personal care robots — for a device that is a mobile servant robot beyond an appliance category (e.g. a domestic humanoid). This edition is under revision as **ISO/FDIS 13482**, renaming to *Robotics — Safety requirements for service robots* and extending scope to personal AND professional/commercial service; the citation shall be re-dated when the revision publishes.
 - Consumer product-safety and recall regime of the deployment market (named regional anchor, not a requirement assumption): **Regulation (EU) 2023/988** (General Product Safety Regulation, applicable 13 December 2024) covering reasonably foreseeable use/misuse, traceability, accident reporting and corrective-action/recall execution (relevant to H3, H6); equivalent national consumer-product-safety and recall regimes apply in other markets.
 - Connected-device security and privacy anchors for H4: **ETSI EN 303 645 V3.1.3 (2024-09)** (consumer IoT baseline security), the **Cyber Resilience Act, Regulation (EU) 2024/2847** (products with digital elements; in force 10 December 2024, obligations phasing to 11 December 2027), and **GDPR, Regulation (EU) 2016/679** as the representative in-home data-protection anchor. Named regional anchors and evidence lanes, not requirement assumptions.

4 Terms and definitions

For the purposes of this Standard, the terms in VRS-GEN-001 (aligned to ISO 8373:2021) apply, together with the following local terms:

- **consumer operator** — an owner-user with no training beyond the product manual, including children and other uninstructed household members as worst-case users.

- **household envelope** — in-home and residential-perimeter operation including stairs, thresholds, wet areas, charging locations, pets, and children.
- **product class** — the declared consumer-robot category the model is assessed in; at minimum one of **floor-care**, **garden**, **companion-assistant**, **domestic-humanoid**, carried as protocol applicability fields (VRS-GEN-007 §4.2).
- **household-context op-hours** — operating time accrued by a model in a declared product class within the household envelope, measured in **op-hours**, used as the frequency/reliability exposure denominator (Clause 8).
- **units-in-service** — the count of deployed units of the assessed model in the consumer fleet, the denominator against which recall reach (H6) is measured as a **percentage** (Clause 8).
- **in-home data capture** — sensor capture within a private dwelling (imagery, audio, occupancy, biometrics) and any onward retention, transmission, cloud dependency, or account-based access.
- **support life** — the manufacturer-declared period, in **months**, over which safety-relevant firmware, security updates, and spare parts remain available for the model.

5 4 Sector applicability

4.1 DOM is an **intended-use sector** (VRS-GEN-007 §5.2): no capability gate applies. A model shall be treated as DOM-applicable when (a) the manufacturer declares a consumer/home use in its operating envelope, or (b) an assessor records evidence of material consumer deployment (override with rationale, VRS-GEN-006 §5.2). Default: not-applicable.

4.2 The minimum capability for applicability is safe unsupervised operation in a household envelope by a consumer operator — detection and response behaviour that does not assume an instructed, cooperative user.

4.3 The assessed envelope shall state the covered **product classes** — at minimum one of **floor-care**, **garden**, **companion-assistant**, **domestic-humanoid** — as protocol applicability fields. The AR letter shall cover only the assessed product classes; unassessed classes shall be displayed as not covered.

4.4 Severity in this sector shall be weighted to the vulnerability of the worst-case household occupant (a child, a pet, or a person with reduced mobility) that the declared envelope admits, not to an average adult, and the assessment shall record which worst-case population the envelope admits.

6 5 Sector hazard taxonomy

The Domestic & Consumer AR shall weigh, at minimum, the following hazard groups. Each maps to the IR categories (VRS-GEN-005 §5) it draws evidence from and to its dominant loss driver; the sector emphasis (weights) is defined in VRS-DOM-201, not here.

#	HAZARD GROUP	ARCHETYPE	PRIMARY IR CATEGORIES	LOSS DRIVER
H1	Child and pet contact	contact/entrapment/ingestion-of-parts hazards to children and pets; worst-case uninstructed users	safety_incidents	frequency, severity
H2	Household environment	stairs/ledges, water/wet areas, cords/clutter entanglement, fire sources; battery-charging fire	safety_incidents, reliability	frequency, severity
H3	Misuse and foreseeable abuse	operation outside the manual by untrained owners; DIY repair; defeat of interlocks	safety_incidents, spec_integrity, serviceability	frequency, severity
H4	In-home data capture	always-on sensors in private dwellings; cloud dependency; account compromise	cyber_posture	severity, correlated/cyber-catastrophe
H5	Longevity and abandonment	consumer-grade support life; firmware end-of-life turning devices unsafe or derelict	manufacturer_support, economics_residual	obsolescence, residual value
H6	Recall reach	ability to reach and remediate a dispersed consumer fleet (recall effectiveness)	manufacturer_support	recoverability, severity

5.1 The hazard taxonomy shall be treated as the minimum coverage set: an assessment that omits a hazard group applicable to the declared product classes shall record the omission and its reason.

5.2 H1 (child and pet contact) is the sector-defining loss driver and shall be evidenced against **uninstructed-consumer** scenarios including child and pet surrogates; evidence gathered only with trained or instructed test subjects shall not be accepted as sufficient for H1 (Annex A.1), because the untrained-owner and vulnerable-occupant behaviour is the risk being rated.

5.3 H2 shall include battery and charging-system fire behaviour explicitly; a model whose charging or battery-fire evidence is absent shall record an H2 evidence gap.

7 Rubric and grade bands

6.1 The Domestic & Consumer sector AR shall be determined per **VRS-DOM-201** from the criterion pool defined there; letters shall be assigned per **VRS-GEN-006 §4** on the canonical scale (C < B < A < AA < AAA; VRS-GEN-001 §3.1.3), with the AAA band reserved as anti-inflation headroom. Criterion point ranges and band thresholds live only in VRS-DOM-201 and its data twin VRS-DOM-501; they shall be fitted to observed loss only via VRS-GEN-202 and shall never be set in this document. Each letter shall be displayed as **Domestic & Consumer AR: <letter> (VRS 2026) – <Tier>**, Tier ∈ {Unverified, Verified, Certified}, with AR tier ≤ IR tier (VRS-GEN-006 §4).

6.2 Conformity with the sector safety-anchor floor — IEC 60335-1:2020 (+AMD1:2025) with the applicable particular part for the product class (IEC 60335-2-2:2026 for robot vacuums, IEC 60335-2-107:2017+AMD2:2021 for robotic lawnmowers, IEC 60335-2-10:2021 for floor-treatment machines), or ISO 13482:2014 / its published successor for a domestic mobile servant robot, or a recorded jurisdictional equivalent — is scored by VRS-DOM-201 as criterion **DOM-1** (§6.1, a large point range). Absence of evidenced conformity shall score zero on DOM-1 and is not a gate.

6.3 In-home data-capture handling (H4) — a data-protection record (GDPR-class) and a consumer-IoT security baseline (ETSI EN 303 645-class self-assessment or a Cyber Resilience Act conformity record for the connected product) — is scored by VRS-DOM-201 as criterion **DOM-6** (§6.6; Annex A.2). Absence of documented, jurisdiction-consistent handling shall score zero on DOM-6 and is not a gate.

8 Evidence requirements

7.1 Evidence shall be graded per VRS-GEN-012. Sector-relevant sources include: recall and safety-notice records, warranty and return data, consumer incident reports, certified test evidence against the anchor parts, firmware-support and security-update history, and in-home data-handling documentation.

7.2 For each hazard group, an existing conformity artefact should be mapped to the VRS evidence lane so that adoption costs a manufacturer a mapping rather than new testing:

HAZARD	EXISTING ARTEFACT (EXAMPLE)	VRS EVIDENCE LANE
H1	IEC 60335-1:2020 + applicable particular-part test report (IEC 60335-2-2:2026 / -2-107:2017+AMD2:2021 / -2-10:2021); ISO 13482:2014 risk assessment for a domestic servant robot; uninstructed-consumer trial with child/pet surrogates	safety_incidents
H2	battery/charging-system fire test evidence; ingress and wet-area test report; stair/ledge fall-avoidance trial	safety_incidents, reliability
H3	reasonably-foreseeable-misuse analysis (GPSR EU 2023/988 technical file); interlock-defeat and DIY-repair robustness report	spec_integrity, safety_incidents
H4	ETSI EN 303 645 V3.1.3 self-assessment / Cyber Resilience Act (EU 2024/2847) conformity record; data-protection record (GDPR-class); account-security evaluation	cyber_posture
H5	manufacturer support-life declaration (months); firmware end-of-life fail-safe statement; spare-parts availability schedule	manufacturer_support, economics_residual
H6	recall-execution procedure; traceability and registration records (GPSR EU 2023/988); recall-reach history (% of units-in-service remediated); ISO 14224:2016 maintenance/repair records where kept	manufacturer_support, serviceability

7.3 Evidence sufficiency for each criterion is the evidence bar defined for that criterion in VRS-DOM-201 (evidence kinds graded per VRS-GEN-012 §4). Where the consumer-context observation or incident

record does not meet a criterion's evidence bar, that criterion shall score zero points in VRS-DOM-201; no DOM signal shall be scored without the evidence its bar requires.

7.4 Where H1, H2, or H3 evidence rests on manufacturer declaration alone, without test data or field incident records, the assessment shall record the evidence gap and the affected criterion shall be scored only at the rung its evidence supports. Consumer field-return recollection shall not be graded above the manufacturer-declaration evidence kind (VRS-GEN-012 §4) unless corroborated by instrumented logs, warranty records, or incident reports (owner recollection is unreliable; logs are not).

9 8 Loss-driver mapping (insurance and finance fitness)

8.1 Every quantity that feeds the DOM rating shall be traceable to a loss driver and to a Robot Risk Passport field (VRS-GEN-009), so that an underwriter or lender can compute it from obtainable evidence. The mapping is:

LOSS DRIVER	DOM SIGNAL	EXPOSURE DENOMINATOR	CONSUMES
Frequency	H1 contact events; H2 household-hazard incidents; H2/H3 in-service failures	per 1,000 household-context op-hours	safety_incidents, reliability
Severity	injury consequence weighted to worst-case occupant (child/pet/reduced-mobility)	per event	safety_incidents
Exposure	operating time accrued in the declared product class	household-context op-hours	reliability
Recoverability	H6 recall reach: units remediated ÷ units-in-service	% of units-in-service	manufacturer_support, serviceability
Residual value / obsolescence	H5 declared support life; firmware end-of-life fail-safe behaviour	months of support life	economics_residual, manufacturer_support
Correlated / cyber-catastrophe	H4 shared cloud/account/update plane across a consumer fleet	per fleet	cyber_posture

8.2 A DOM signal that lacks an exposure denominator shall not be scored as a frequency; it shall be recorded as a descriptive attribute or elevated as a design question (VRS-GEN-202). No loss statistic shall be invented to fill a missing denominator.

8.3 The rating output shall be expressed so that it can feed an underwriting decision (rate relativity, deductible, exclusion, condition) or a credit decision (loan-to-value, residual curve, covenant); the letter alone is insufficient, and the assessment tier and evidence-basis flags shall accompany it in the Passport record.

8.4 Third-party bodily-injury exposure to a household occupant is the loss driver unique to this sector: the population at risk is uninstructed, unsupervised, and includes the most vulnerable persons in the dwelling, so a single H1 event can generate a household-liability claim far exceeding the robot's own value. The assessment shall record the worst-case occupant population admitted by the declared envelope (Cl. 4.4) as a separate passport attribute so that an underwriter can weight severity independently of frequency.

8.5 Recall reach (H6) is the sector's recoverability driver and shall be surfaced as a passport- recorded attribute expressed as a percentage of units-in-service reached within a stated number of days of a safety notice. A dispersed consumer fleet with no operator to coordinate remediation is materially harder to recover than a fleet under a single operator, and low recall reach raises the residual severity of any latent defect.

8.6 Correlated and cyber-catastrophe accumulation (H4) shall be surfaced as a passport-recorded attribute: where many units of a model share one cloud service, account system, or update plane, one compromise or one defective update can degrade or capture the fleet at once, so the risk does not diversify the way independent mechanical failures do. The attribute shall record whether that plane holds an ETSI EN 303 645 V3.1.3 self-assessment or a Cyber Resilience Act (EU 2024/2847) conformity record. This attribute is descriptive, not scored, until a fleet-loss denominator exists (VRS-GEN-202 §8).

10 Protocol references

- **VRS-DOM-201** — Domestic & Consumer AR Assessment Protocol (scoring) — dated reference at assessment time; its data twin is **VRS-DOM-501**.
- Domestic Test Protocols (**VRS-DOM-1xx**) are reserved; the first candidates are a child/pet-interaction scenario protocol and a household-envelope traversal protocol (stairs, wet areas, clutter), drawing on the anchor parts' test methods rather than duplicating them.

11 10 Worked example (informative) — applicability walkthrough

The following illustrates how an assessor applies Clauses 4–8 to a **hypothetical** model; it is not a real assessment and does not imply any robot holds a Veyrum rating.

Input. A manufacturer declares a consumer robot vacuum, model code **DOM-RV-01** , for one product class: **floor-care** . The manufacturer holds an IEC 60335-1:2020 (+AMD1:2025) test report with an IEC 60335-2-2:2026 particular-part evaluation, a reasonably-foreseeable-misuse analysis in its GPSR (EU 2023/988) technical file, an ETSI EN 303 645 V3.1.3 self-assessment for its app-and-cloud link (no biometric identification claimed), a declared support life of 60 months, and 40,000 household-context op-hours of field data across the consumer fleet, with 12 recorded minor child/pet-contact events, 0 injuries, and one prior safety notice that reached 78 % of units-in-service within 90 days.

Step 1 — applicability (Cl. 4). The manufacturer declaration satisfies 4.1(a); DOM is applicable. The envelope records the class **floor-care** . Per 4.4, the household admits toddlers and pets, so the worst-case occupant population is recorded as child/pet.

Step 2 – hazard coverage (Cl. 5). H1–H6 all apply. H1 evidence includes an uninstructed-consumer trial with child and pet surrogates, satisfying 5.2; battery/charging fire evidence is on file, satisfying 5.3.

Step 3 – anchor conformity (Cl. 6.2 → DOM-1). Because an IEC 60335-1:2020 report with an IEC 60335-2-2:2026 particular-part evaluation exists for the declared class, criterion DOM-1 (anchor conformity) is scored in VRS-DOM-201; conformity is scored, not gated.

Step 4 – in-home data capture (Cl. 6.3 → DOM-6). An ETSI EN 303 645 self-assessment and a data-protection record are on file and no biometric identification is performed, so criterion DOM-6 (in-home data capture) is scored from the documented evidence.

Step 5 – evidence sufficiency (Cl. 7.3). The 40,000 household-context op-hours with 12 contact events meet the H1/H2 criteria evidence bars in VRS-DOM-201; a criterion for which no evidence exists would score zero rather than block the rating.

Step 6 – loss-driver read (Cl. 8). Child/pet-contact frequency is expressed as 12 events per 40,000 op-hours = 0.30 per 1,000 household-context op-hours (H1). Severity is weighted to the child worst-case (8.4). Recall reach is recorded as 78 % of units-in-service within 90 days (H6, 8.5). Declared support life is 60 months (H5, residual-value driver). The fleet shares a cloud/account plane with an EN 303 645 self-assessment but no CRA conformity record, so 8.6 records the accumulation attribute below target.

Output. The rating is computed by VRS-DOM-201 (not in this document) at the Verified tier for this evidence set. The Passport record carries the per-class AR letter with its edition and tier, the product class, the assessment tier, the H1 evidence notes, the worst-case-occupant attribute, the recall-reach percentage, the support-life months, and the cyber-accumulation attribute. The numeric score and band boundary come from VRS-DOM-201 and are not asserted here.

12 Annex A (normative) – Household-exposure module

A.1 Evidence for H1–H3 shall include uninstructed-consumer scenarios with child and pet surrogates, not only trained or instructed test subjects.

A.2 In-home data-capture behaviour (retention, audio/video, minors, cloud dependency, account access) shall be documented and consistent with the deployment jurisdiction's data-protection and connected- product security regime; undocumented capture behaviour scores zero on criterion DOM-6 (Cl. 6.3).

A.3 The manufacturer's declared support life (in months) and end-of-life behaviour – whether the device fails safe when servers or firmware sunset – shall be recorded; undeclared support life is an H5 evidence gap.

13 Bibliography

- ISO 8373:2021, Robotics – Vocabulary ([iso.org/standard/75539.html](https://www.iso.org/standard/75539.html)) – robot-term basis.
- IEC 60335-1:2020 (edition 6.0) and IEC 60335-1:2020/AMD1:2025 CSV, household and similar electrical appliances – general requirements (webstore.iec.ch pub 61880; AMD1:2025 verified 2026-09-15).

- IEC 60335-2-2:2026 (edition 8.0, published 2026-07; webstore.iec.ch pub 106067), particular requirements for vacuum cleaners incl. automatic battery-operated cleaners (robot vacuums), superseding IEC 60335-2-2:2019 (edition 7.0; pub 65128).
- IEC 60335-2-107:2017+AMD1:2020+AMD2:2021 CSV, robotic battery-powered rotary lawnmowers, ≤75 V d.c. (webstore.iec.ch pub 72274); IEC 60335-2-10:2021, floor treatment and wet-scrubbing machines (webstore.iec.ch pub 67842).
- ISO 13482:2014, Robots and robotic devices – Safety requirements for personal care robots (iso.org/standard/53820.html); under revision as ISO/FDIS 13482, “Robotics – Safety requirements for service robots” (iso.org/standard/83498.html; FDIS registered 2025-07, not yet published).
- ETSI EN 303 645 V3.1.3 (2024-09), Cyber Security for Consumer Internet of Things: Baseline Requirements (etsi.org) – H4 connected-device security lane.
- Cyber Resilience Act, Regulation (EU) 2024/2847 (adopted 23 October 2024; in force 10 December 2024; main obligations applicable 11 December 2027) (eur-lex.europa.eu CELEX 32024R2847) – H4/H5 connected- product security anchor.
- Regulation (EU) 2023/988 (General Product Safety Regulation), OJ L 135, 23.5.2023, applicable 13 December 2024 (repealing Directive 2001/95/EC) – eur-lex.europa.eu CELEX 32023R0988 – H3/H6 anchor.
- GDPR, Regulation (EU) 2016/679 – representative in-home data-protection anchor (H4).
- ISO 14224:2016, collection and exchange of reliability and maintenance data for equipment – H6/H3 serviceability lane.
- VRS framework research Phase 5 (internal) – DOM regime scan.

14 Change history

DATE	VERSION	STATUS	CHANGE	AUTHORITY
2026-09-05	0.1	Draft	Initial draft — template replication #2; household-exposure module; robot-specific IEC 60335 particular parts verified in-house	CEO goal 2026-09-05
2026-09-11	0.1ε1	Draft	COHERENCE: retired 4 bare CALIBRATION-PENDING markers (incl. bracketed cap-placement variants; Foreword, §6.1, §6.2, Annex B.2) → VRS-GEN-202 stage prior labels, matching the GEN-005 (Run #31)/FLD-201 precedent. Editorial only — no constant, threshold, or requirement changed.	Curator Run #39; charter COHERENCE
2026-09-11	0.2	Draft	RESEARCH: §2 resolved the [UNVERIFIED] consumer product-safety placeholder with the verified, dated Regulation (EU) 2023/988 (GPSR, applicable 13 Dec 2024) as a named regional anchor mapped to H3/H6; added matching Bibliography entry (edition/date + CELEX). No requirement, threshold or cap changed. Net +110 words.	Curator Run #42; charter RESEARCH
2026-09-14	0.2ε1	Draft	COHERENCE: corrected the Bibliography IEC 60335-2-2 edition-status note — “2026 CMV in progress” → edition 8.0 IEC 60335-2-2:2026 published 2026-07 (verified iec.ch pub 106067), aligning with VRS-DOM-201 Bibliography which already records the supersession. Editorial only — the cited evidence anchor stays edition 7.0:2019; no requirement, threshold, cap or constant changed.	Curator Run #151; charter COHERENCE
2026-09-15	0.3	Draft	DEEPEN: brought to publishable depth on the SVC-001 template. Added Introduction; expanded Terms with DOM units (household-context op-hours, units-in-service, support-life months, per 1,000, days, %); new §8 loss-driver mapping tracing every DOM signal to a driver + exposure denominator + VRS-GEN-009 passport field (incl. recall-reach % and H4 cyber-accumulation); §7.2 evidence-reuse table naming an existing conformity artefact per hazard; §10 worked applicability example (hypothetical robot vacuum) producing a 0.30/1,000-op-hour read and registry states, no invented rating. Anchors verified 2026-09-15: corrected IEC 60335-2-107 to +AMD2:2021 and recorded IEC 60335-2-2:2026 ed. 8.0 as current context; added ETSI EN 303 645 V3.1.3 (2024-09), Cyber Resilience Act (EU 2024/2847), GDPR 2016/679, ISO 8373:2021, ISO 14224:2016 as	Curator Run #189; charter DEEPEN

DATE	VERSION	STATUS	CHANGE	AUTHORITY
			dated anchors/lanes. All thresholds/caps remain stage prior ; no weight or threshold set here. Net +2,868 words (1,018→3,886); shall 7→50. No requirements deleted.	
2026-09-16	1.0	Draft	VRS 2026 rewrite (recast): §6 anchor-compliance caps re-expressed as pointers to VRS-DOM-201 criteria (safety floor → DOM-1 §6.1; in-home data capture → DOM-6 §6.6), scored not gated (absence scores zero); §6.4 GEN-201/cold-start clause and Annex A (cold-start qualification particulars) deleted, GEN-201 removed from normative references (informative); household-exposure module renumbered Annex B→A (A.1–A.3); retired forms removed — confidence band (§7.3/§7.4/§8.3/§10), provisional flag (§6.4), assessed-unrated (§7.3), grade-capped-at-B (§7.4), stage-prior markers (§6.1/§6.2/§6.3/§7.3); §7.3/§7.4 recast to evidence-bar + rung language (GEN-012 §4); worked example re-run at the Verified tier against DOM-1/DOM-6; front matter version 1.0, edition/tier display added (§6.1, G4). No criterion invented, renamed or renumbered; no threshold changed; see GEN-005 §6.	Curator; charter REWRITE

About Veyrum Research Institute

Veyrum Research Institute is the research arm of Veyrum — the independent intelligence and trust layer for the robotics industry (research, ratings and registry, advisory, data, and specialist insurance & finance introductions).

Disclaimer

The opinions in this document are independent and current as of the date of publication, based on information believed reliable; they are not guarantees or warranties of safety, fitness, or compliance, and are not engineering, legal, or financial advice. This document may be revised. © 2026 Veyrum.

Contact: hello@veyrum.com · VRS-DOM-001 · Version 1.0