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PADV–ESG BEHAVIORAL DATA VERIFICATION METHODOLOGY 4.0

INSTITUTIONAL EVIDENCE EXECUTION METHOD

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Primary method	PADV task execution, participant/entity attribution, temporal eligibility, Proof Record governance and POINT/SCORE ledgers
Related methodologies	MWP02 (NTCC), MWP03 (ISA / temporal MCP), DMG01–06 (external-framework mapping)

ABSTRACT

PADV (Participation–Action–Data–Value) defines a repeatable method for turning eligible individual and institutional activities into attributable, source-linked and versioned Proof Records. Version 4.0 establishes operational roles for individual UID and institutional EGC ID, stable identities for 30 modules and 128 sub-tasks, practical task descriptions and applicable scenarios, task-specific temporal Minimum Cooling Period (MCP) parameters, and separate IPP / E-IPP POINT and SCORE accounting. Task participation has no numerical volume cap; eligible evidence recognition instead depends on identity, task, supporting source, time, anti-duplication and authorised decisions. Task weight provenance is defined in this paper. NTCC calculation and annual index specification are governed by MWP02. Historical MWP01 v3.0 publication remains separately retrievable without historical overwrite; v4.0 establishes the current method for the controls expressly specified here.

VERSION RECORD AND EFFECTIVE INTERPRETATION

MWP01 v3.0 is an immutable historical publication record. Its date, citations, demonstrations, external institutional references, mappings and acknowledgments remain attributable to that edition only. MWP01 v4.0 contains the operative definition of its own updated controls, without relying on readers to infer missing implementation rules from v3.0. New and amended recognition controls apply prospectively to activity governed under v4.0. Previously created Proof Records retain their original task, parameter, event and version provenance.

COPYEDIT RECORD (24 OCTOBER 2026)

This edition incorporates the 24 October 2026 editorial consolidation of its task definitions before the authoritative v4.0 composition was fixed: nine task-specific Evidence scope refinements (A07-2, A10-2, A12-2, B12-1, B12-2, A11-3, A11-4, A15-3 and A15-4); fourteen corrected applicable-scenario descriptions across A11-3, A11-4, A15-3 and A15-4; sixty-five typographic hyphen-spacing repairs; and clarification of the participation-volume rule in Section 8.2 and the uniform A10-4 cross-pathway code.

This consolidation also normalises twenty-three legacy task scopes to the evidence-boundary language of this edition, specifies the governed actor and facility reference types, and assigns stable ScenarioIDs to 472 scenarios. The 128 Task IDs, POINT denominations, W_ESG assignments and task-specific temporal MCP durations remain unchanged in this editorial consolidation. Detailed before/after text, role/schema additions and historical MCP provenance are preserved in the publisher's accompanying version-control register. The v3.0 archival publication remains unmodified.

DIVISION OF METHODOLOGICAL RESPONSIBILITIES

Source	Defined responsibility
MWP01 v4.0	Task identity, eligibility, actor/entity controls, POINT/SCORE, task weights, 128 task specifications, temporal MCP execution interfaces and evidence-chain boundaries.
MWP02	NTCC and NTCR definitions, verification factors, recognition coefficients, aggregation formula, index settlement and non-financial interpretations.
MWP03	ISA classification, parameter authority, MCP methodology, compound-key governance, versioned continuity and conflict-resolution hierarchy.

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Source	Defined responsibility
DMG01–06	External-framework field mapping and interpretative crosswalks; no such mapping forms part of MWP01 v4.0 task recognition itself.

1. METHODOLOGICAL SCOPE AND CLAIMS BOUNDARY

1.1 INSTITUTIONAL EVIDENCE FUNCTION

PADV is an upstream behavioral and institutional data-verification methodology. It records what activity occurred, who was authorised to act, which task was performed, when it occurred, what source substantiates it, and whether it qualifies for additional recognition. It does not independently determine legal compliance, financial performance, environmental outcome, audit opinion or certification. A Proof Record documents the supported assertion within its stated scope.

1.2 CONTROLLED TERMS

The term POINT means an available platform task balance. SCORE means a separate cumulative approved-outcome record. A Proof Record is an attributable evidence object. EGC ID is an internal institutional credential rather than an external company identifier. Temporal MCP in this paper means Minimum Cooling Period, not the commercial MCP machine-access interface. Task Reissue Cooldown, task claiming, and temporal evidence recognition are different controls.

1.3 NON-TRADABLE CHARACTER

IPP POINT, E-IPP POINT, their respective SCORE indicators and NTCC are non-financial instruments internal to their governed scope. They are not currency, collateral, securities, tradable offsets, carbon credits, sustainability ratings, assurance conclusions or guarantees of increased economic value.

2. PADV FOUR-STAGE METHOD AND EVIDENCE BOUNDARY

2.1 PARTICIPATION–ACTION–DATA–VALUE

Stage	Required operation	Output / gate
P — Participation	Bind the applicable individual UID or institutional EGC ID to task/role permissions and the active task version.	Correct actor, entity, initiator and authorization context.
A — Action	Execute the designated task with the required activity-specific check, original source and appropriate transaction/cycle context.	Verified occurrence, not yet an award.
D — Data	Apply identity matching, anti-duplication, temporal MCP and evidence-quality controls before generating the recognised record.	Recognised Proof Record or traceable continuity-only occurrence.
V — Value	Record the authorised POINT/SCORE ledger outcome; route eligible evidence to the separately defined NTCC method.	Separate ledger events and index provenance; no automatic external inference.

2.2 SIX-LAYER EVIDENCE INTEGRITY BOUNDARY

Layer	What it controls	Minimum method requirement
Identity	Individual and institutional attribution	UID / EGC ID, verified actor permissions, governed counterparties.
Activity	Registered occurrence and its time	SDGS Activity ID; event, transaction, campaign, batch or year reference.
Task object	Task classification and condition	Stable Product ID, A/B series, task version and declared verification requirements.
Validation	Eligibility before recognition	Source check, duplicate test, temporal MCP and authorised decision.
Data	Evidence and historical state	Proof Record source, integrity reference, time, version, correction and continuity relation.
Governance / review	Controlled use and external handoff	Access/consent, attributable reviewer action and scope-limited export; no implied audit or assurance.

2.3 RECOGNITION VERSUS OPERATIONAL OCCURRENCE

A legitimate repeated occurrence need not qualify as a new recognised evidence instance. When an activity occurs within an active temporal MCP window, retain its operational continuity with the correct non-recognition reason, without issuing duplicate POINT, SCORE, Proof Record or NTCC increment. An authorised task approval is required wherever the task contract so specifies.

3. UID, EGC ID AND STABLE THREE-ID IDENTITY SCHEME

3.1 INDIVIDUAL UID

The individual UID identifies a participant or employee/student acting within authorised scope. Identity verification, participation permissions, applicable task conditions and the record of the actual activity remain distinct from the mere creation of an account.

3.2 INSTITUTIONAL EGC ID

EGC ID (Entity Global Credential ID) is the internal EMJ.NEXUS institutional identifier for task initiation, governed claimant roles, authorised reviewer and counterparty relationships, module/Node scope and E-IPP accounting. An enterprise uses a verified legal-entity reference, with LEI as the first-stage enterprise identity reference and D-U-N-S, where collected, optional supplementary data. An academic institution follows its authorised institution-identification route. EGC ID does not itself constitute an external legal identity, accreditation or certification.

Task publication, module activation, account subscription, task claiming and initial POINT allocation have distinct triggers. Task publication alone does not expend POINT, and an EGC ID alone does not create an accepted task outcome.

3.3 STABLE TASK AND ACTIVITY COMPONENTS

Component	Operational purpose
UID / EGC ID	The actual personal actor and relevant institutional initiator/counterparty.
Product ID	The stable product/task definition with its version and Point denomination.
SDGS Activity ID	One registered activity or mission instance. No default participant-volume limit applies.
Compound temporal key	The task-specific matching relationship and event/campaign/transaction/batch/audit/fiscal reference in Appendix D.

3.4 GOVERNED ROLE IDENTIFIERS AND REFERENCE NAMESPACES

The compound keys in Appendices A, B and D distinguish registered institutional identity, the role played in a task, physical operating sites, persons or governance actors and activity-cycle references. A name ending in EGC ID denotes an internal EMJ.NEXUS institutional EGC identifier; FacilityID, StationID, GovernanceActorID and CertifierActorID are different reference types and shall not be represented as EGC IDs. An identity appearing in multiple roles may be reused only where the attributable role binding verifies that it is the same institution for the relevant event period.

Initiator EGC ID. The EGC ID of the institution authorised to issue or publish the task. It is always recorded as InitiatorEGCID and identifies issuance responsibility, not necessarily the physical host or evidence reviewer.

Host EGC ID. The institutional EGC ID responsible for hosting or controlling the activity or programme. HostEGCID may equal InitiatorEGCID only when the source identity and role-binding record establish that equality; neither role silently inherits the other.

Station EGC ID. The verified EGC ID of the operator responsible for a physical return or collection station (logical field StationOperatorEGCID). It does not identify the physical station itself. StationID identifies the particular location or device under that operator; ReturnBatchRef shall be unique within its station scope and must retain StationID attribution.

Counterparty EGC ID. The registered institutional identity of the relevant supplier, buyer, operator or relationship counterparty. An unregistered external actor reference shall not be substituted for an EGC ID in a task key that requires an EGC without a separately versioned task rule.

Auditor/Counterparty EGC ID. A task-specific role selector: record either AuditorEGCID or CounterpartyEGCID according to the evidence class, together with KeyActorRole identifying which role was used. The slash does not create a hybrid identifier. AuditorEGCID is an identity reference, not proof of independence, accreditation or an assurance conclusion.

Facility ID. A stable internal site/installation reference within the facility owner's institution or authorised operating hierarchy. FacilityID must resolve to the controlling EGC ID, location/resource reference and applicable time window. It is not an external company-registration or legal-entity identifier.

Governance/Certifier ID. A task-scoped authorised governance actor or certification-source reference: GovernanceActorID or CertifierActorID, as selected by KeyActorRole. The actor reference must have a source, identity namespace, responsible institution and effective period. It is not automatically an EGC ID, an independent auditor identity or evidence that a certification was achieved.

Cycle and transaction references. EventRef, CampaignRef, QuarterRef, AuditRef, FiscalYearRef, MeteringBatchRef and ReturnBatchRef identify the governed occurrence or recurrence domain. References must be unique in their declared task/entity/site scope and interpreted consistently with the relevant MCP duration.

ScenarioID. Each applicable scenario is identified by TaskID-SNN, such as A01-1-S01, where NN starts at 01 within a task. ScenarioIDs distinguish approved operational contexts, do not create new Product IDs, and must retain their original mapping when wording is revised. A new or materially changed scenario requires the task-version and effective-date controls in Section 11.3.

For A10-4, the canonical minimum compound key remains Individual UID + Station EGC ID + Product ID + SDGS Activity ID + Return Batch Ref. The StationID is a mandatory supporting field resolving the physical return station and defining the uniqueness scope of ReturnBatchRef; a station device is not issued an EGC ID merely because it participates in the return workflow.

4. WHITELIST, WEIGHTING AND PARTICIPATION ARCHITECTURE

4.1 STABLE MODULE INVENTORY

The PADV whitelist contains 30 modules and 128 task IDs: 16 A-Series modules with 72 tasks, and 14 B-Series modules with 56 tasks. An identifier retains its task-specific purpose even when its applicable scenarios are expanded. Each task has a name, activity meaning, evidence criterion, IPP or E-IPP Point cost, approved weight, temporal MCP and compound identity key.

4.2 PARTICIPATION WITHOUT NUMERICAL QUOTAS

There is no fixed numerical participation ceiling for an eligible UID or institutional task instance. No quota tiers, quota escalations, exceptional participation approval, or cap-dependent sampling scheme forms part of PADV. Recognition is controlled by task permission, identity and source integrity, temporal MCP, duplicate detection and authorised decisions.

4.3 TWO TASK-POINT DENOMINATIONS

Series	Applicable POINT ledger	Task denominations	Covered participation
A (72)	IPP POINT	20 / 30 / 50	Individual, employee, education, consumer and community task activities.
B (56)	E-IPP POINT	100 / 150 / 200	Enterprise, facility, supply-chain, financing, governance and institutional task activities.

4.4 TASK WEIGHT FORMULA AND SOURCE

Task weighting is defined by three underlying methodological dimensions: CEF (Carbon Effect Factor), SEF (Social Effect Factor), and IRF (Institutional Reliability Factor). Each uses a governed evaluation score on a 1–5 scale. The normalised task weighting coefficient is:

$W_{ESG} = (CEF + SEF + IRF) / 15.$

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The implied raw mean is W_raw = (CEF + SEF + IRF) / 3, with W_ESG = W_raw / 5. For integer ratings, the resulting coefficient is expressed at approved task-level precision, generally two decimal places. For example, factor scores 4, 4 and 5 yield 13/15 = 0.866666... and a task-display weight of 0.87. The 128 task coefficients are the publisher-assigned values carried in Appendices A/B; an undocumented factor triplet must never be inferred merely from the displayed coefficient.

Weight-source provenance: the three-factor architecture and task-level coefficient assignments originate in MWP01 v3.0 and the related MWP02 weighting specification. In two legacy tasks, B11-3 and B13-1, the published coefficient is 0.78. Since 0.78 is not an integer-triplet result of (CEF+SEF+IRF)/15, v4.0 preserves 0.78 as the explicit carried task coefficient rather than inventing a three-factor breakdown. New or amended factor assignments require an attributable assessment and versioned task coefficient.

W_ESG reflects comparative task relevance within this methodology. It is not a measurement of avoided emissions or a third-party impact estimate. NTCC conversions, verification adjustments, recognition types and annual aggregation are defined independently in MWP02.

4.5 APPLIED SCENARIO DISCIPLINE

An applicable scenario is an authorised operational setting, not a new task identity or automatic environmental claim. The actor, actual action, objective source, timing, minimum task proof and responsible reviewer must remain consistent with the task purpose. Similar words or identical event labels do not justify duplicate awards. A scenario is identified by the canonical TaskID-SNN code in Appendices A and B (for example, A01-1-S01). A ScenarioID shall be bound to the applicable TaskVersion, effective period and evidence scope; changing a label without changing intent retains the ID, whereas new eligibility or intent changes require versioned rule publication. Attributable records retain the ScenarioID originally applied.

5. IPP AND E-IPP TASK CONSUMPTION AND OUTCOME SETTLEMENT

5.1 DISTINCT OPERATIONAL LEDGERS

A-Series task claims consume IPP POINT; B-Series task claims consume E-IPP POINT. The two balances and their corresponding SCORE histories are separately recorded and are not interchangeable. Mission publication, routine file upload and evidence-object storage do not, by themselves, consume task POINT or grant SCORE.

5.2 AUTHORISED CLAIM AND TASK OUTCOME

Task event	POINT treatment	SCORE treatment
Eligible task claim of T	Deduct T once from the relevant usable POINT balance.	No award at claim time.
Verified, approved completion	Credit 2T POINT once after task approval.	Add T SCORE once.
Rejected or expired after claim	No automatic return of deducted T.	No award.
Documented force-majeure cancellation	Return T deducted for the affected claim.	No award.
Cancellation before claim	No deduction.	No award.
Proven duplicate or system error	Correct with recorded source, actor, reason, time and version.	Correct only the erroneous record.

The authorised issuer/reviewer determines task completion against disclosed conditions. System-ledger execution records this outcome and does not by itself verify an environmental or financial result.

5.3 DIRECT EXAMPLES

Individual: Initial 170 IPP POINT / 170 IPP SCORE; claiming T = 20 yields 150 POINT / 170 SCORE; approved completion credits 40 POINT and 20 SCORE, yielding 190 POINT / 190 SCORE. Enterprise: Initial 200 E-IPP POINT / 0 E-IPP SCORE; claiming T = 100 yields 100 POINT / 0 SCORE; approved completion credits 200 POINT and 100 SCORE, yielding 300 POINT / 100 SCORE.

6. POINT AND SCORE DUAL-LEDGER RULES

6.1 NATURE OF THE TWO LEDGERS

POINT is the spendable operational balance affected by allocation, claim debit, award, authorised return, correction and annual replacement. SCORE is the cumulative, non-spendable record of qualifying assessments and approved task completions. A remaining POINT balance cannot be substituted for evidence of actual task performance.

6.2 INITIAL ALLOCATION

Account pathway	Initial POINT	Initial SCORE	Trigger
Personal UID / IPP	170 IPP	170 IPP	Completion of the 17-part education assessment and the associated once-only eligible assessment award.
Institutional EGC ID / E-IPP	200 E-IPP	0 E-IPP	One-time first valid enterprise allocation after required verified profile, account/contract, payment and independent documentation conditions.

6.3 SCORE CONTINUITY

SCORE does not reset at an annual POINT replacement, renewal, plan change or permitted resubscription. Historical SCORE remains linked to the original approved outcomes, event/actor version and periods. A demonstrable duplicate, fraud, error or lawfully required correction must preserve the original state and an attributable correction event; a change in rules does not silently re-rate valid historical outcomes.

7. ANNUAL POINT REPLACEMENT AND THE NTCC INTERFACE

7.1 PERSONAL AND ENTERPRISE REPLACEMENT RULES

At the applicable twelve-month personal platform cycle, replace the eligible individual IPP POINT balance P with R_IPP = max(170, min(0.10 × P, 500)). This is a replacement, not an added grant. The controlling baseline-or-retained-balance formula preserves the 170 initial baseline while capping the retained 10% alternative at 500. It does not cap total within-cycle earnings. Personal IPP SCORE remains cumulative.

At the applicable enterprise Subscription anniversary, replace the eligible enterprise E-IPP POINT balance P with R_EIPP = max(200, min(0.10 × P, 500)). This replacement is neither a new initial allocation nor a top-up. Renewal continuity preserves the original anchor where the applicable contractual continuation window is met. Following a confirmed subscription interruption, a new eligible subscription period has a separate 200-point replacement event without resetting pre-existing valid SCORE.

Both replacement operations retain the pre-reset balance, formula, eligible period, time, version and ledger event. A maximum annual replacement allocation of 500 is not an operating balance cap and does not limit task-earned POINT during a year.

7.2 WORKED REPLACEMENT ARITHMETIC

Pre-reset P	10% of P	Personal R_IPP	Enterprise R_EIPP
1,200	120	170	200
4,000	400	400	400
8,000	800	500	500

7.3 NTCC IS CALCULATED UNDER MWP02

MWP01 supplies recognised and eligible task evidence, task-point denomination, approved W_ESG, source/time/version and applicable recurrence provenance as inputs to the separate NTCC methodology. It does not redefine the NTCR unit, verification factors, recognition coefficients, category treatment, NTCC numerical formula or detailed aggregation rules. Those are fully specified in MWP02. A recognised task, SCORE balance or POINT allocation is not automatically a claim of quantified environmental savings.

NTCC has a separate Singapore calendar-year settlement and index-reset cycle. Each year begins a new running annual index without erasing the prior-year result, source Proof Records, original events, year assignment or corrections. Annual POINT replacement and NTCC settlement are distinct, and neither resets valid cumulative SCORE.

8. TEMPORAL MINIMUM COOLING PERIOD GOVERNANCE

8.1 DEFINITION AND DISTINCTION

The temporal Minimum Cooling Period (MCP) is a task-specific recognition eligibility interval used to prevent a governed identity–task relationship from producing duplicative new evidence during a prohibited repeat window. The separate MCP machine-access interface and Task Reissue Cooldown have independent functions; neither changes the temporal values in Appendix D.

8.2 DIRECT RECOGNITION RULE

The governing decision is made using the complete compound key for the selected task, the last recognised occurrence, the governed event time and the applicable elapsed interval. If the same governed activity occurs inside the active interval, record the occurrence in the continuity trail without issuing a second recognised Proof Record, task award or NTCC increment. Evidence eligibility depends on task, identity and temporal controls rather than the number of participants.

8.3 MCP DISTRIBUTION

MCP	A-Series	B-Series	Total tasks
7 days	9	0	9
14 days	28	0	28
30 days	35	4	39
90 days	0	22	22
180 days	0	25	25
365 days	0	5	5
TOTAL	72	56	128

The task-specific duration, MCP code, application level and full compound identity key appear in Appendix D and are repeated in each applicable task specification in Appendices A and B. A10-4 is the 30-day cross-pathway circular-return case and uses the return-station and return-batch relationship.

8.4 STANDARD RUNTIME SEQUENCE

- Identify the authorised actor and institutional EGC relationships, active Product ID and SDGS Activity ID.
- Resolve the exact task-specific compound identity key and prior eligible recognised occurrence.
- Evaluate task permissions, evidence completeness, duplicate status and elapsed temporal MCP.
- Record an eligible Proof Record or a continuity-only event with its reason and original source.
- Post task POINT/SCORE only after the applicable authorisation and route qualifying data to the MWP02 index procedure.

9. INTEGRITY, PRIVACY, VERSION AND CONTINUITY RULES

9.1 PROOF RECORD MINIMUM PROVENANCE

A recognised record contains attributable actor and institution, event and task identity, source reference, event time, recognition time, applicable rule/parameter version, responsible approval where required, evidence integrity status, access boundary and any correction chain. This establishes reconstruction capability; it does not replace primary source ownership or formal independent assurance.

9.2 ANTI-DUPLICATION WITHOUT PARTICIPATION CAPS

Source matching, UID/EGC relationships, time, Product ID, Activity ID, governed event/cycle reference and evidence content must be considered before additional recognition. High participation volume alone cannot trigger an artificial

recognition ceiling. Duplicate accounts, artificial task splitting or backdated/relabelled evidence do not create additional eligible records.

9.3 PRIVACY AND ACCESS

Collect only necessary personal and institutional fields. Maintain consent or other lawful processing authority where personal activity is joined to an institution. Preserve access restrictions and confidentiality, and allow attributable corrections and retained event history according to applicable data rights and retention terms. Hash or other technical integrity control does not establish factual truth by itself.

9.4 VERSION AND HISTORICAL RECORD INTEGRITY

Method versions, task versions, W_ESG coefficients and temporal MCP parameters are versioned control objects. Previously recognised records remain attributable to the rules effective when they were generated. Method changes apply to subsequent eligible activities under their effective version and do not silently rewrite historical accepted events, original registration dates or the v3.0 archival publication.

10. OPERATIONAL TASK WORKFLOW AND EVIDENCE DATA CONTRACT

10.1 STANDARD OPERATING FLOW

- Institutional issuer: create the governed task with EGC ID, relevant Product ID and SDGS Activity ID; publish task conditions, T, scope and reviewer authority.
- Eligible participant or institutional claimant: verify permissions and claim the task using the designated POINT ledger; deduct T where a valid claim is completed.
- Perform and document: capture the real action and necessary source, event/cycle reference, time, task version and completion evidence.
- Validate: apply the relevant identity match, duplicate and temporal MCP rule before a new recognised Proof Record.
- Authorised decision: approve/reject against the task's disclosed conditions; record actor, reason and decision time.
- Settle: credit approved 2T POINT and T SCORE once; separately pass eligible evidence to the MWP02 NTCC process.
- Preserve: retain recognised history, rejected/continuity-only status, data rights, version changes and corrections.

10.2 LOGICAL EVIDENCE AND LEDGER FIELDS

TaskID; TaskVersion; ScenarioID; ScenarioVersion; Series; PointType; TaskPointCost (T); IndividualUID; InitiatorEGCID; HostEGCID (where applicable); StationOperatorEGCID (where applicable); StationID (where applicable); FacilityID (where applicable); CounterpartyEGCID / AuditorEGCID (by task role); GovernanceActorID / CertifierActorID (by task role); KeyActorRole; ActorIdentityScheme; RoleBindingRef; RoleValidFrom; RoleValidTo; ProductID; SDGSActivityID; SourceRef; EventOrCycleRef; ReturnBatchRef or MeteringBatchRef (where applicable); OccurredAt; RecognisedAt; MCPCode; MCPDays; CompoundKey; EligibilityStatus; ReviewerDecisionRef; POINTLedgerRef; SCORELedgerRef; NTCCTransferRef; GoverningVersion; CorrectionRef.

These logical fields specify what must be attributable within a complete governed record. Implementations may use access-restricted identifiers and reference objects rather than publicly exposing personal identifiers or confidential source documents. Each field is required only when the selected Appendix D key or scenario requires that role or reference; empty values shall never be silently coerced into another identifier namespace. The role-binding record must explain when HostEGCID equals InitiatorEGCID or when a governance/certifier actor is related to an EGC entity. For A10-4, resolve and retain StationID when generating the station-scoped ReturnBatchRef.

10.3 TASK RELEASE CONDITIONS

Each task must have an issuer, a stable ID/version, applicable scenario, disclosed POINT cost, eligible roles, required evidence, temporal MCP parameter, compound key and decision authority. No unsupported task scenario, unverifiable performance assertion, duplicate ledger award or quota-based stop is permitted by this methodology. Each applicable

scenario must have its published ScenarioID and task-version association; a role-specific compound key must resolve without treating a physical FacilityID or StationID as a legal-entity EGC ID.

11. VERSION AUTHORITY AND CHANGE GOVERNANCE

11.1 PUBLICATION LINEAGE

MWP01 v3.0 (DOI: 10.64969/padv.2025.v3) remains retrievable as an independent archival edition. This edition does not retroactively alter the historical white paper, its original citation relationships, demonstrations, mapping tables or acknowledgments. MWP01 v4.0 defines the current task-execution method and records the complete 128-task identity and MCP matrix below. Version continuity is explicit; it is not a blanket transfer of old examples into new execution rules.

11.2 NORMATIVE SOURCE ALLOCATION

MWP01 governs task definitions, identity/provenance requirements, task weights and POINT/SCORE rules stated here. MWP03 governs the general MCP and runtime parameter methodology, and the task-specific active MCP values are those published in Appendix D for this edition. MWP02 governs detailed NTCC calculations and year-end index treatment. DMG01–06 govern framework-mapping content separately from task execution. A record referring to another method retains that work's independent identifier and version.

11.3 REVISION AND CORRECTION DISCIPLINE

Any later change to a task ID, task intent, eligible scenario or Evidence scope, assigned T, approved W_ESG, temporal MCP code/duration/key or annual POINT rule must be issued through an identifiable revised method or task-rule version, with effective date, affected task scope and retained historical events. A new version shall not silently overwrite or retroactively invalidate prior correctly recognised records. Addition, retirement or substantive reinterpretation of a ScenarioID, KeyActorRole, identity namespace or compound-key binding has the same version-governance requirement. Copyediting that preserves intent must be listed in the edition copyedit record and cannot silently replace a previously issued public edition.

12. METHODOLOGICAL STATEMENT

PADV v4.0 makes participation evidence attributable, governable and reproducible through stable task identity, individual and institutional actors, detailed applicable task scenarios, temporal recognition controls and separate POINT/SCORE account records. Scale is open; recognition is earned through verified events and responsible decisions. Annual POINT replacement, cumulative SCORE and MWP02-governed NTCC are explicitly separate. Version continuity protects the complete historical research record without importing historical claims as unexamined operational rules.

APPENDIX A. 72 A-SERIES TASK SPECIFICATIONS

Each task is a discrete Product ID class. The authorised scenarios illustrate the specified action without broadening the task's meaning or independently establishing an outcome. Task-weight and temporal-identity values are task-level controls, not cumulative evidence counts. Historical narrative terms and technology references do not enlarge recognition eligibility: Sections 2.2 and 9.3 control the claims boundary, and technical integrity anchors alone do not establish the truth of an underlying physical or environmental result. Scenario codes are stable task-local identifiers and do not create additional task identities.

A01 EXHIBITION MODULE | 4 TASKS

A01-1 GREEN TICKET

20 IPP POINT · W_ESG 0.87 · 30D temporal MCP · A-MCP-30

Task purpose. Transform entry tickets into Proof Records; ensure that admission generates both foot traffic and ESG evidence.

Evidence scope. Records unique exhibition admission as attributable participation evidence, supported by an approved entry point, timestamp and participant identity. Attendance alone does not establish an environmental outcome.

Applicable scenarios. A01-1-S01 Sustainability Exhibitions; A01-1-S02 ESG Conferences; A01-1-S03 Climate Forums; A01-1-S04 Public Sustainability Events.

Compound identity. Participant-Entity / Campaign level (30-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

A01-2 PUBLIC-WELFARE INTERACTION

30 IPP POINT · W_ESG 0.80 · 30D temporal MCP · A-MCP-30

Task purpose. Redirect exhibition traffic to CSR/NGO booths; each welfare interaction becomes a Proof Record.

Evidence scope. Records a completed public-welfare interaction at an approved exhibition booth, with the related task and organiser identified. Registration without the required activity does not establish completion.

Applicable scenarios. A01-2-S01 NGO Booth Interaction; A01-2-S02 CSR Booth Sustainability Task Completion; A01-2-S03 Charity & Public Welfare Campaign Participation; A01-2-S04 Instant Volunteer Registration.

Compound identity. Participant-Entity / Campaign level (30-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

A01-3 ECO-CUP (ONE-DAY)

30 IPP POINT · W_ESG 0.80 · 14D temporal MCP · A-MCP-14

Task purpose. Make reusable cups measurable; Proof Records capture the cycle of “pickup to use to return.”

Evidence scope. Records the issue, use and verified return of a reusable cup as a single accountable circulation activity, preserving custody and return evidence.

Applicable scenarios. A01-3-S01 Digital Eco-Cup Voucher Issuance; A01-3-S02 Authorized Vendor Cup Pickup Logging; A01-3-S03 Sensor-validated Reusable Cup Usage; A01-3-S04 Cryptographic Return Checkpoint Verification.

Compound identity. Participant-Entity / Event level (14-day recurrence); Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref.

A01-4 SUSTAINABILITY MAP

50 IPP POINT · W_ESG 0.93 · 30D temporal MCP · A-MCP-30

Task purpose. Turn venue navigation into Proof Records; incentivize booth visits and quantify sustainable engagement.

Evidence scope. Records completed visits to defined sustainability-route checkpoints in a physical or digital exhibition. The verified route and participant identity must be distinguishable from a general admission record.

Applicable scenarios. A01-4-S01 Strategic Sustainability Route Enrollment; A01-4-S02 SDG Target Zone Sensory Discovery Check-ins; A01-4-S03 Multi-stakeholder Sustainability Booth Check-ins; A01-4-S04 Interactive Learning & Tech Showcase Visits.

Compound identity. Participant-Entity / Campaign level (30-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

A02 CHARITY ACTIVITIES MODULE | 4 TASKS

A02-1 BLOOD DONATION

30 IPP POINT · W_ESG 0.80 · 30D temporal MCP · A-MCP-30

Task purpose. Transform blood donation into Proof Records; quantify health and community contributions.

Evidence scope. Documents verified participation in a blood-donation drive, with confirmation limited to the authorised donation process and without exposing clinical details.

Applicable scenarios. A02-1-S01 Blood donation event participation; A02-1-S02 Public health donation campaign participation; A02-1-S03 NGO-led blood donation drive; A02-1-S04 Hospital-supported blood donation activity.

Compound identity. Participant-Entity / Campaign level (30-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

A02-2 PUBLIC WELFARE LECTURE

20 IPP POINT · W_ESG 0.80 · 14D temporal MCP · A-MCP-14

Task purpose. Turn attendance at CSR/NGO lectures into Proof Records and measure social learning and awareness.

Evidence scope. Public Welfare Lecture transforms verified participation in public-benefit educational activities into structured, identity-bound and continuity-preserved evidence.

Applicable scenarios. A02-2-S01 Public welfare seminars; A02-2-S02 Community education lectures; A02-2-S03 NGO awareness programs; A02-2-S04 Charity foundation educational events.

Compound identity. Participant-Entity / Event level (14-day recurrence); Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref.

A02-3 MOUNTAIN / BEACH CLEANUP

50 IPP POINT · W_ESG 0.87 · 30D temporal MCP · A-MCP-30

Task purpose. Convert environmental volunteering into Proof Records; quantify ecological restoration behaviors.

Evidence scope. Mountain / Beach Cleanup transforms verified environmental volunteering into structured, identity-bound and continuity-preserved evidence. A02-3 captures verified participation in cleanup activities and converts the action into traceable evidence.

Applicable scenarios. A02-3-S01 Mountain cleanup; A02-3-S02 Beach cleanup; A02-3-S03 River cleanup; A02-3-S04 Park cleanup.

Compound identity. Participant-Entity / Campaign level (30-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

A02-4 PUBLIC WELFARE RUN

50 IPP POINT · W_ESG 0.87 · 30D temporal MCP · A-MCP-30

Task purpose. Transform charity runs into Proof Records; capture health × social × environmental value.

Evidence scope. Public Welfare Run transforms verified participation in charity runs, community fitness events and public-benefit sports activities into structured, identity-bound and continuity-preserved evidence. A02-4 captures verified participation in public welfare running activities and converts it into reusable institutional evidence.

Applicable scenarios. A02-4-S01 Charity Run Participation; A02-4-S02 Public Welfare Run Participation; A02-4-S03 Community Health Run; A02-4-S04 Fundraising Run.

Compound identity. Participant-Entity / Campaign level (30-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

A03 CAMPUS MODULE | 4 TASKS

A03-1 ESG CAMPUS MAPPING

20 IPP POINT · W_ESG 0.80 · 30D temporal MCP · A-MCP-30

Task purpose. Convert campus ESG-related facilities (energy, waste, commuting) into visible Proof Records.

Evidence scope. Records participant discovery or mapping of approved campus sustainability facilities with location or programme evidence rather than treating map viewing as verified impact.

Applicable scenarios. A03-1-S01 Academic ESG Campus Mapping; A03-1-S02 On-Campus Sustainability Facility Discovery.

Compound identity. Participant-Entity / Campaign level (30-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

A03-2 ONE-DAY LOW-CARBON CHALLENGE

30 IPP POINT · W_ESG 0.87 · 14D temporal MCP · A-MCP-14

Task purpose. Record a verified one-day low-carbon lifestyle challenge involving waste reduction and commuting choices.

Evidence scope. Captures an approved one-day set of low-impact lifestyle actions, using task-specific completion records and a defined activity window.

Applicable scenarios. A03-2-S01 Mass Transit and Public Transportation Usage; A03-2-S02 Pedestrian Active Mobility Walking Challenges; A03-2-S03 Low-Carbon Micro-Mobility Bicycle Rides; A03-2-S04 On-Campus/Off-Campus Power Saving.

Research Program: Evidence Infrastructure Research Series

Compound identity. Participant-Entity / Event level (14-day recurrence); Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref.

A03-3 SUSTAINABILITY HIKING

50 IPP POINT · W_ESG 0.87 · 14D temporal MCP · A-MCP-14

Task purpose. Turn campus hiking/eco -walk events into ESG Proof Records linked to health, commuting, and community impact.

Evidence scope. Documents completed educational hiking and nature-observation activities through event, route and participation evidence, without automatically claiming habitat restoration.

Applicable scenarios. A03-3-S01 Sustainability Hiking Campaigns; A03-3-S02 Eco-Trail & Ecological Explorations; A03-3-S03 Biodiversity Observation & Mapping Walks.

Compound identity. Participant-Entity / Event level (14-day recurrence); Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref.

A03-4 GREEN LIFE PROPOSAL

20 IPP POINT · W_ESG 0.80 · 30D temporal MCP · A-MCP-30

Task purpose. Encourage students to submit proposals on sustainability initiatives, recorded as Proof Records.

Evidence scope. Records submission and institutional review of a sustainability proposal. Approval and implementation are distinct subsequent events.

Applicable scenarios. A03-4-S01 Academic Campus Sustainability Proposals; A03-4-S02 Green Lifestyle Innovation Designs; A03-4-S03 On-Campus Resource Efficiency Plans.

Compound identity. Participant-Entity / Campaign level (30-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

A04 EMPLOYEE ESG TASKS MODULE | 4 TASKS

A04-1 ESG LEARNING TASK

20 IPP POINT · W_ESG 0.80 · 14D temporal MCP · A-MCP-14

Task purpose. Transform ESG courses into Proof Records; employee learning becomes verifiable ESG data.

Evidence scope. A04-1 ESG Learning Task transforms verified sustainability learning participation into structured, identity-bound, and continuity-preserved digital Proof Records.

Applicable scenarios. A04-1-S01 Enterprise ESG E-Learning Modules; A04-1-S02 Sustainability & Net-Zero Transition Courses; A04-1-S03 ESG Micro-Learning & Compliance Tasks.

Compound identity. Participant-Entity / Event level (14-day recurrence); Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref.

A04-2 VOLUNTEER SERVICE TASK

30 IPP POINT · W_ESG 0.87 · 30D temporal MCP · A-MCP-30

Task purpose. Convert volunteer service into Proof Records; employee social engagement becomes measurable ESG contribution.

Evidence scope. A04-2 Volunteer Service Task transforms transient corporate and community volunteer efforts into structured, identity-bound, and continuity-preserved digital Proof Records.

Applicable scenarios. A04-2-S01 Community Volunteer Service; A04-2-S02 Environmental Volunteer Activities; A04-2-S03 Educational Volunteer Programs; A04-2-S04 Social Welfare Volunteer Service.

Compound identity. Participant-Entity / Campaign level (30-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

A04-3 SAFETY DRILL TASK

30 IPP POINT · W_ESG 0.80 · 30D temporal MCP · A-MCP-30

Task purpose. Turn participation in safety drills into Proof Records; strengthen OH&S reporting with verifiable employee data.

Evidence scope. A04-3 records attributable employee participation in authorised evacuation, earthquake, emergency-response or first-aid drills. Supporting attendance, drill scope, timestamp, responsible organiser and completion evidence establish that the defined exercise occurred; they do not alone demonstrate emergency readiness or legal compliance.

Applicable scenarios. A04-3-S01 Fire Evacuation Drills; A04-3-S02 Earthquake Drills.

Compound identity. Participant-Entity / Campaign level (30-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

A04-4 CASE STUDY TASK

20 IPP POINT · W_ESG 0.73 · 30D temporal MCP · A-MCP-30

Task purpose. Transform ESG case study participation into Proof Records; strengthen governance learning with verified engagement.

Evidence scope. A04-4 Case Study Task transforms verified participation in sustainability case analysis, problem-solving exercises, and applied learning activities into structured, identity-bound, and continuity-preserved evidence.

Applicable scenarios. A04-4-S01 ESG Case-Study Analysis; A04-4-S02 Sustainability Governance Case Studies; A04-4-S03 Climate Risk Case Studies; A04-4-S04 Supply Chain Sustainability Case Studies.

Compound identity. Participant-Entity / Campaign level (30-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

A05 DIGITAL CONFERENCE MODULE | 4 TASKS

A05-1 AUTOMATED MEETING SCHEDULING

20 IPP POINT · W_ESG 0.73 · 14D temporal MCP · A-MCP-14

Task purpose. Transform automated scheduling into Proof Records; quantify efficiency gains in energy and emission reduction.

Evidence scope. A05-1 Automated Meeting Scheduling transforms verified digital coordination and meeting arrangement activities into structured, identity-bound, and continuity-preserved digital Proof Records.

Applicable scenarios. A05-1-S01 Automated Meeting Scheduling; A05-1-S02 Digital Meeting Invitation Creation.

Compound identity. Participant-Entity / Event level (14-day recurrence); Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref.

A05-2 DIGITAL MEETING TASK ASSIGNMENT

30 IPP POINT · W_ESG 0.80 · 14D temporal MCP · A-MCP-14

Task purpose. Convert digital task assignment into Proof Records; demonstrate reduced waste and travel substitution.

Evidence scope. A05-2 records a verifiable digital meeting task assignment, designated participants, delegated roles, scheduled milestones and documented completion or reviewer acceptance. Meeting coordination is evidence of a governed workflow and does not by itself establish reduced travel, reduced emissions or fulfilled downstream commitments.

Applicable scenarios. A05-2-S01 Digital Meeting Task Assignment; A05-2-S02 Digital Meeting Invitation and Role Delegation; A05-2-S03 Assignee Role and Milestone Selection.

Compound identity. Participant-Entity / Event level (14-day recurrence); Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref.

A05-3 COLLABORATIVE CO-CREATION DATA

20 IPP POINT · W_ESG 0.87 · 30D temporal MCP · A-MCP-30

Task purpose. Make collaborative digital work measurable through records of shared governance and reduced travel demand.

Evidence scope. Captures verified collaborative digital co-creation work, completed workshops and shared problem-solving contributions as attributable participation evidence; a session record alone does not prove an environmental outcome.

Applicable scenarios. A05-3-S01 Digital Collaborative Co-creation Sessions; A05-3-S02 Shared Sustainability Roadmap Design; A05-3-S03 Consensus-Building Workshops; A05-3-S04 Green Innovation Ideation Campaigns.

Compound identity. Participant-Entity / Campaign level (30-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

A05-4 EMISSION REDUCTION ACTION VERIFICATION

50 IPP POINT · W_ESG 0.87 · 30D temporal MCP · A-MCP-30

Task purpose. Turn emission-reduction actions into Proof Records; validate sustainability impact of digital-first operations.

Evidence scope. Documents completion of approved digital-first and emission-reduction-related operational actions with task and participant identity; measured reductions require separate quantitative support.

Applicable scenarios. A05-4-S01 Digital-first operational improvement completion; A05-4-S02 Verified substitution of an in-person process; A05-4-S03 Approved enterprise reduction action.

Compound identity. Participant-Entity / Campaign level (30-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

A06 REMOTE WORK MODULE | 4 TASKS

A06-1 REMOTE WORK REPORTING

20 IPP POINT · W_ESG 0.80 · 14D temporal MCP · A-MCP-14

Task purpose. Turn remote work declarations into Proof Records; quantify energy/emission savings via reduced commuting.

Evidence scope. Documents authorised remote-work declarations and work-location reporting as traceable workforce activity records, without automatically calculating avoided emissions.

Applicable scenarios. A06-1-S01 Remote Work Reporting; A06-1-S02 Home Office Setup Reporting; A06-1-S03 Digital Workspace Activation; A06-1-S04 Weekly Remote Schedule Submission.

Compound identity. Participant-Entity / Event level (14-day recurrence); Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref.

A06-2 REMOTE WORK LOG

20 IPP POINT · W_ESG 0.80 · 7D temporal MCP · A-MCP-7

Task purpose. Digitize remote work logs as Proof Records; demonstrate reduced business travel and waste through digital workflows.

Evidence scope. Captures dated remote-work logs and digital workflow participation as attributable records subject to recurrence controls.

Applicable scenarios. A06-2-S01 Remote Work Log; A06-2-S02 Home Office Session Logging; A06-2-S03 Digital Workspace Activity Log; A06-2-S04 Daily Milestone Submission.

Compound identity. Participant-Entity / Campaign level (7-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

A06-3 ATTENDANCE VERIFICATION

30 IPP POINT · W_ESG 0.80 · 7D temporal MCP · A-MCP-7

Task purpose. Convert remote attendance checks into Proof Records; ensure employee accountability and commuting reduction are measurable.

Evidence scope. Captures verified employee attendance through approved HR check-in records, digital rosters or facility access logs; attendance itself does not establish avoided emissions.

Applicable scenarios. A06-3-S01 Attendance Verification; A06-3-S02 Digital Roster Verification; A06-3-S03 Smart Gate Turnstile Check-in; A06-3-S04 VPN Session Active Validation.

Research Program: Evidence Infrastructure Research Series

Compound identity. Participant-Entity / Campaign level (7-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

A06-4 EMISSION REDUCTION SUMMARY

50 IPP POINT · W_ESG 0.87 · 30D temporal MCP · A-MCP-30

Task purpose. Aggregate employee commuting and business travel reductions into Proof Records; validate organizational-level carbon savings.

Evidence scope. Aggregates verified remote-working and business-travel records into an identifiable reporting-cycle summary, preserving supporting source data and any calculation boundary.

Applicable scenarios. A06-4-S01 Emissions Reduction Summary; A06-4-S02 Cumulative Avoided Travel Metric Logging; A06-4-S03 Consolidated Digital Workspace Log; A06-4-S04 Monthly Decarbonization Milestone Submission.

Compound identity. Participant-Entity / Campaign level (30-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

A07 BUSINESS TRAVEL MODULE | 4 TASKS

A07-1 TRAVEL REQUEST SUBMISSION

20 IPP POINT · W_ESG 0.73 · 30D temporal MCP · A-MCP-30

Task purpose. Turn travel requests into Proof Records; quantify potential carbon impact before business trips occur.

Evidence scope. A07-1 records a submitted and authorised travel request, trip purpose, planned route and supporting approval or alternative-transport rationale. Estimates recorded before travel remain estimates; the request does not prove a completed journey or measured emissions reduction.

Applicable scenarios. A07-1-S01 Sustainable Travel Request Submission; A07-1-S02 Pre-Travel Carbon Estimation Filing; A07-1-S03 Flight-to-Rail Transition Planning.

Compound identity. Participant-Entity / Campaign level (30-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

A07-2 TRAVEL RECEIPT LOGGING

30 IPP POINT · W_ESG 0.80 · 14D temporal MCP · A-MCP-14

Task purpose. Capture receipts and invoices as Proof Records; ensure business travel data contributes to carbon disclosure.

Evidence scope. A07-2 records verified submission of travel receipts, boarding passes and expense invoices that can be attributed to the relevant traveller, trip, event date and supporting source. A submission proves that specified documentation was supplied and checked under the task rules; it does not, by itself, establish a quantified reduction in travel emissions.

Applicable scenarios. A07-2-S01 Travel Receipt Logging; A07-2-S02 Boarding Pass Verification; A07-2-S03 Rideshare Carbon Report Upload; A07-2-S04 EV Charging Invoice Logging.

Compound identity. Participant-Entity / Event level (14-day recurrence); Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref.

A07-3 ITINERARY COMPLETION VERIFICATION

30 IPP POINT · W_ESG 0.87 · 30D temporal MCP · A-MCP-30

Task purpose. Ensure itinerary completion and reporting become measurable Proof Records; integrate safety and emission metrics.

Evidence scope. Records completion of an approved business-trip itinerary and associated post-trip submission, separate from pre-trip requests and authorisation.

Applicable scenarios. A07-3-S01 Post-trip itinerary completion; A07-3-S02 Verified journey or route documentation; A07-3-S03 Travel record reconciliation after completion.

Compound identity. Participant-Entity / Campaign level (30-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

A07-4 EXPENSE REIMBURSEMENT VERIFICATION

50 IPP POINT · W_ESG 0.87 · 30D temporal MCP · A-MCP-30

Task purpose. Turn expense reimbursement approvals into Proof Records that document both financial and travel-related accountability.

Evidence scope. A07-4 records travel-related reimbursement claims and the verification of supporting receipts, ticket records, settlement authorisation and associated journey reference. Accounting approval demonstrates that specified costs were reviewed; it does not independently establish avoided emissions or the environmental attributes of a journey.

Applicable scenarios. A07-4-S01 Sustainable Travel Expense Reimbursement; A07-4-S02 Low-Carbon Travel Voucher Settlement; A07-4-S03 Public Transit Expense Verification; A07-4-S04 EV Charging Cost Reimbursement.

Compound identity. Participant-Entity / Campaign level (30-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

A08 GREEN DINING MODULE | 12 TASKS

A08-1 LOW-CARBON MEAL ORDERING

20 IPP POINT · W_ESG 0.80 · 7D temporal MCP · A-MCP-7

Task purpose. Turn meal choices into Proof Records; measure carbon footprint of dining selections.

Evidence scope. A08-1 documents the verified action of executing a low-carbon meal checkout, ensuring that individual carbon avoidance behaviors are preserved as a reusable traceable task record.

Applicable scenarios. A08-1-S01 Low-Carbon Meal Ordering; A08-1-S02 Meat-to-Plant Transition Selection; A08-1-S03 Locally-Sourced Food Selection; A08-1-S04 Eco-labeled Dish Sourcing.

Compound identity. Participant-Entity / Campaign level (7-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

A08-2 GREEN DINING SURVEY

20 IPP POINT · W_ESG 0.80 · 14D temporal MCP · A-MCP-14

Task purpose. Record survey participation as Proof Records; promote governance and education for sustainable dining.

Evidence scope. A08-2 Green Dining Survey transforms verified participation in green dining surveys and environmental questionnaires into structured, identity-bound, and continuity-preserved Proof Records.

Applicable scenarios. A08-2-S01 Green Dining Survey; A08-2-S02 Stakeholder Carbon Literacy Surveys; A08-2-S03 Sustainable Sourcing Awareness Polls; A08-2-S04 Waste Minimization Questionnaire.

Compound identity. Participant-Entity / Event level (14-day recurrence); Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref.

A08-3 REUSABLE UTENSILS CHALLENGE

30 IPP POINT · W_ESG 0.87 · 14D temporal MCP · A-MCP-14

Task purpose. Capture employee use of reusable utensils as verifiable Proof Records.

Evidence scope. A08-3 records approved reusable utensil, container or cup participation supported by an attributable use, checkout, refill or return checkpoint. Each recognised record is linked to the relevant actor and programme. It does not by itself quantify single-use materials avoided without separate comparable volume data.

Applicable scenarios. A08-3-S01 Reusable Utensils Challenge; A08-3-S02 Eco-friendly Container Sourcing; A08-3-S03 Smart Reusable Cup Pickup; A08-3-S04 Eco-Bottle Beverage Refills.

Compound identity. Participant-Entity / Event level (14-day recurrence); Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref.

A08-4 NO-WASTE MEAL CHALLENGE

20 IPP POINT · W_ESG 0.87 · 14D temporal MCP · A-MCP-14

Task purpose. Record zero-leftover dining actions as Proof Records; reduce catering food waste and carbon emissions.

Evidence scope. A08-4 records participation in a designated no-waste meal, portion-selection or leftovers programme through approved check-in, operator confirmation or supporting submission. Evidence of participation is distinct from independently weighed food waste savings or avoided greenhouse-gas emissions.

Applicable scenarios. A08-4-S01 No-Waste Meal Challenge; A08-4-S02 Clean Plate Photo Submission; A08-4-S03 Canteen Portion Calibration; A08-4-S04 Leftover Composting Participation.

Compound identity. Participant-Entity / Event level (14-day recurrence); Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref.

A08-5 VEGETARIAN CHALLENGE

30 IPP POINT · W_ESG 0.80 · 14D temporal MCP · A-MCP-14

Task purpose. Measure adoption of vegetarian meals; link dietary changes to reduced carbon emissions.

Evidence scope. Records a participant's verified selection of a vegetarian meal or completion of a defined vegetarian-meal challenge, without inferring a quantified carbon benefit solely from menu choice.

Applicable scenarios. A08-5-S01 Vegetarian Challenge; A08-5-S02 Meat-to-Plant Transition Selection; A08-5-S03 Locally-Sourced Food Selection; A08-5-S04 Eco-labeled Dish Sourcing.

Compound identity. Participant-Entity / Event level (14-day recurrence); Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref.

A08-6 HEALTHY VEGGIE DAY

20 IPP POINT · W_ESG 0.80 · 7D temporal MCP · A-MCP-7

Task purpose. Track healthy meal days as Proof Records; integrate into corporate health and ESG reporting.

Evidence scope. Records a verified healthy-vegetable or vegetable-forward meal choice within the task programme, with a distinct task identity from other dining challenges.

Applicable scenarios. A08-6-S01 Healthy Veggie Day; A08-6-S02 Meat-to-Plant Transition Selection; A08-6-S03 Locally-Sourced Food Selection; A08-6-S04 Eco-labeled Dish Sourcing.

Compound identity. Participant-Entity / Campaign level (7-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

A08-7 SUGAR-FREE BEVERAGE DAY

20 IPP POINT · W_ESG 0.73 · 7D temporal MCP · A-MCP-7

Task purpose. Encourage sugar-free drinks as Proof Records; measure positive health outcomes.

Evidence scope. Captures verified selection or redemption of sugar-free beverages in an authorised dining programme; it must not be described as a vegetarian meal transaction.

Applicable scenarios. A08-7-S01 Sugar-free beverage selection; A08-7-S02 Authorised workplace or campus beverage programme; A08-7-S03 Verified beverage purchase or redemption.

Compound identity. Participant-Entity / Campaign level (7-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

A08-8 FOOD & AGRICULTURE EDUCATION

30 IPP POINT · W_ESG 0.80 · 30D temporal MCP · A-MCP-30

Task purpose. Transform agri-food education into Proof Records; connect to waste reduction and responsible sourcing.

Evidence scope. A08-8 records attributable participation in a food systems, agricultural sourcing or waste-literacy educational activity, with the programme, attendance, learning task and available supporting evidence. Attendance or task completion alone does not demonstrate future behavioural change or quantified sustainability outcomes.

Applicable scenarios. A08-8-S01 Sustainable Food Systems Seminars; A08-8-S02 Soil Carbon Sequestration Workshops; A08-8-S03 Agricultural Eco-Labeling Literacy Sessions; A08-8-S04 Locally-Sourced Sourcing Programs.

Compound identity. Participant-Entity / Campaign level (30-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

A08-9 SHARED MEAL WITH FRIENDS

20 IPP POINT · W_ESG 0.80 · 14D temporal MCP · A-MCP-14

Task purpose. Record social dining activities as Proof Records; link to community engagement and social responsibility.

Evidence scope. Records participation in an approved shared-meal programme, with group engagement and task completion evidence distinct from individual nutrition or emissions claims.

Applicable scenarios. A08-9-S01 Shared Meal with Friends; A08-9-S02 Group Meat-to-Plant Transition Selection; A08-9-S03 Group Locally-Sourced Food Sourcing; A08-9-S04 Group Eco-labeled Dish Sourcing.

Compound identity. Participant-Entity / Event level (14-day recurrence); Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref.

A08-10 AGRICULTURAL EDUCATION EXPERIENCE

30 IPP POINT · W_ESG 0.87 · 30D temporal MCP · A-MCP-30

Task purpose. Turn farm-to-table learning into Proof Records; connect sustainability education to ESG disclosure.

Evidence scope. Captures participation in agricultural education or farm-to-table learning activities with attributable event and completion records.

Applicable scenarios. A08-10-S01 Agricultural education experience; A08-10-S02 Farm-to-table learning activity; A08-10-S03 Responsible sourcing learning.

Compound identity. Participant-Entity / Campaign level (30-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

A08-11 BRAND DIALOGUE

20 IPP POINT · W_ESG 0.73 · 30D temporal MCP · A-MCP-30

Task purpose. Use brand-to-consumer dialogues as Proof Records; improve governance transparency.

Evidence scope. A08-11 records a completed and attributable dialogue between a brand and relevant consumers, employees or stakeholders, including event context, topic, participant role and receipt or response evidence. The dialogue record does not itself prove that claims discussed were implemented or externally validated.

Applicable scenarios. A08-11-S01 Sustainable Brand-to-Consumer Dialogues; A08-11-S02 Canteen Green Menu Feedback Programs.

Compound identity. Participant-Entity / Campaign level (30-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

A08-12 FOOD BANK VOLUNTEERING

50 IPP POINT · W_ESG 0.87 · 30D temporal MCP · A-MCP-30

Task purpose. Record food bank volunteering as Proof Records; integrate CSR into carbon and waste disclosure.

Evidence scope. Captures verified participation in food-bank service or food redistribution activities, including completion and associated organisational records.

Applicable scenarios. A08-12-S01 Food-bank volunteer shift; A08-12-S02 Food redistribution programme participation; A08-12-S03 Verified service completion.

Compound identity. Participant-Entity / Campaign level (30-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

A09 HEALTHY LIVING MODULE | 4 TASKS

A09-1 HEALTH SCREENING TASK

30 IPP POINT · W_ESG 0.87 · 30D temporal MCP · A-MCP-30

Task purpose. Convert health checks into Proof Records; ensure medical data contributes to ESG reporting.

Evidence scope. Records participation in an authorised workplace health-screening activity, while keeping sensitive medical data outside the ordinary participation evidence record.

Applicable scenarios. A09-1-S01 Annual Corporate Health Screenings; A09-1-S02 Metabolic & Cardiovascular Risk Profiling; A09-1-S03 Occupational Disease Screenings; A09-1-S04 Pre-Employment Health Evaluations.

Compound identity. Participant-Entity / Campaign level (30-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

A09-2 EXERCISE CHALLENGE TASK

50 IPP POINT · W_ESG 0.87 · 14D temporal MCP · A-MCP-14

Task purpose. Make fitness participation measurable; link exercise programs to reduced commuting emissions and health benefits.

Evidence scope. A09-2 records authorised participation in an activity or fitness challenge using consented platform, route or attendance evidence, with event period and participant reference. A verified activity record is not a diagnosis, clinical health outcome or independently quantified mobility-emissions saving.

Applicable scenarios. A09-2-S01 Workplace Daily Step Challenges; A09-2-S02 Active Stair-Climbing Challenges; A09-2-S03 Employee Cycling/Running Commutes.

Compound identity. Participant-Entity / Event level (14-day recurrence); Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref.

A09-3 HEALTH PROMOTION TASK

20 IPP POINT · W_ESG 0.80 · 30D temporal MCP · A-MCP-30

Task purpose. Transform wellness campaigns into Proof Records; measure educational and behavioral change impact.

Evidence scope. A09-3 records employee participation in a defined health-promotion, wellbeing, resilience or first-aid education programme, including its issuer, agenda, relevant attendance proof and date. Participation is not by itself evidence that health outcomes improved or that an employer satisfied every applicable duty.

Applicable scenarios. A09-3-S01 Corporate Nutrition & Healthy Dining Seminars; A09-3-S02 Workplace Stress Management Workshops; A09-3-S03 Employee Mental Health & Resilience Webinars; A09-3-S04 Cardiopulmonary Resuscitation (CPR) Training.

Compound identity. Participant-Entity / Campaign level (30-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

A09-4 HEALTH TRACKING TASK

30 IPP POINT · W_ESG 0.80 · 7D temporal MCP · A-MCP-7

Task purpose. Quantify continuous health monitoring as Proof Records; integrate long-term data into ESG disclosures.

Evidence scope. Documents periodic health-participation and wellness-tracking activities while preserving applicable consent, privacy and separation of sensitive underlying health data.

Applicable scenarios. A09-4-S01 Wellness programme check-in; A09-4-S02 Periodic consented health-tracking participation; A09-4-S03 Longitudinal participation record without health diagnosis.

Compound identity. Participant-Entity / Campaign level (7-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

A10 E-COMMERCE LOGISTICS MODULE | 4 TASKS

A10-1 LOW-CARBON PACKAGING TASK

30 IPP POINT · W_ESG 0.87 · 30D temporal MCP · A-MCP-30

Task purpose. Turn sustainable packaging adoption into Proof Records; quantify material efficiency and waste reduction.

Evidence scope. A10-1 records the selection or use of a programme-defined packaging option associated with an attributable order, shipment or collection event. Supporting packaging type and transaction evidence identify the choice made; a claim of lower life-cycle impact requires separate material and comparative evidence.

Applicable scenarios. A10-1-S01 Sustainable Packaging Choice; A10-1-S02 Plastic-to-Paper Transitions; A10-1-S03 Reusable Box Adoptions; A10-1-S04 Biodegradable Cushioning Sourcing.

Compound identity. Participant-Entity / Campaign level (30-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

A10-2 SMART PICKUP TASK

20 IPP POINT · W_ESG 0.80 · 14D temporal MCP · A-MCP-14

Task purpose. Quantify low-emission pickup methods as Proof Records; link logistics choices to reduced waste and transport energy.

Evidence scope. A10-2 records a verifiable e-commerce parcel pickup at an authorised smart locker, retail pickup counter or other approved collection point. The record binds the individual, transaction, collection location, timestamp and available pickup confirmation. Use of a designated collection point is evidence of a chosen logistics practice, not by itself a measured reduction in transport emissions.

Applicable scenarios. A10-2-S01 Smart Pickup Task; A10-2-S02 Locker API Verification; A10-2-S03 Retail Collection Hub Pickup; A10-2-S04 Green Last-Mile Delivery Enrollment.

Compound identity. Participant-Entity / Event level (14-day recurrence); Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref.

A10-3 DELIVERY DISTANCE TASK

30 IPP POINT · W_ESG 0.87 · 14D temporal MCP · A-MCP-14

Task purpose. Capture delivery mileage into Proof Records; ensure transportation emissions are measurable.

Evidence scope. Captures delivery mileage and route-related operational records from logistics systems; a pickup-point confirmation alone is not sufficient distance evidence.

Applicable scenarios. A10-3-S01 Carrier mileage record; A10-3-S02 Verified delivery-route distance; A10-3-S03 Logistics distance record reconciliation.

Compound identity. Participant-Entity / Event level (14-day recurrence); Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref.

A10-4 CIRCULAR RECYCLING TASK

50 IPP POINT · W_ESG 0.87 · 30D temporal MCP · A-MCP-30 / B-MCP-30 (Cross-Pathway)

Task purpose. Make recycling activities measurable as Proof Records; integrate material recovery into ESG disclosures.

Evidence scope. Records verified e-commerce box returns and material recovery at approved recycling or return checkpoints; unrelated catering and leftover scenarios are excluded.

Applicable scenarios. A10-4-S01 E-commerce returnable box collection; A10-4-S02 Collection-station return confirmation; A10-4-S03 Material recovery handover.

Compound identity. Participant-Entity / Return-station level (30-day gate); Individual UID + Station EGC ID + Product ID + SDGS Activity ID + Return Batch Ref.

A11 CULTURAL ACTIVITIES MODULE | 4 TASKS

A11-1 GREEN TICKET TASK

20 IPP POINT · W_ESG 0.87 · 30D temporal MCP · A-MCP-30

Task purpose. Turn eco-ticketing into Proof Records; quantify low-carbon commuting and business travel impact.

Evidence scope. A11-1 records verifiable selection, issue and use of digital, paperless or transit-linked event tickets, distinguishing booking from actual entry. Ticketing records document a participation pathway; they do not establish the carbon performance of participant travel without independent trip data.

Applicable scenarios. A11-1-S01 Green Ticket Booking; A11-1-S02 Paperless Mobile Check-ins; A11-1-S03 Transit-Linked Ticketing Activation; A11-1-S04 Low-Carbon Ride Sharing Booking.

Compound identity. Participant-Entity / Campaign level (30-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

A11-2 LOW-CARBON ACTIVITY EXPERIENCE TASK

Research Program: Evidence Infrastructure Research Series

30 IPP POINT · W_ESG 0.80 · 14D temporal MCP · A-MCP-14

Task purpose. Capture low-carbon participation (waste reduction, low-emission behaviors) as Proof Records.

Evidence scope. A11-2 records verified attendance and defined actions in a registered sustainable-activity, mobility or workshop programme, with the participant, event and supporting checkpoints. The record is evidence of the action undertaken, not of a quantified environmental result merely because the event is described as low carbon.

Applicable scenarios. A11-2-S01 Green Activity Experience Sessions; A11-2-S02 Daily Commuting Mode Switching; A11-2-S03 Active Pedestrian Steps Challenges; A11-2-S04 Low-Carbon Micro-Mobility Bicycle Rides.

Compound identity. Participant-Entity / Event level (14-day recurrence); Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref.

A11-3 CULTURAL PARTICIPATION TASK

20 IPP POINT · W_ESG 0.80 · 14D temporal MCP · A-MCP-14

Task purpose. Make cultural engagement measurable; turn community participation into ESG-aligned Proof Records.

Evidence scope. A11-3 records verified attendance or active participation in a registered cultural, heritage, community arts or interpretation activity. The record binds the participant, event identity, participation date and supporting evidence. Cultural participation is recognised as attributable community-engagement evidence, not automatically as a quantified environmental outcome.

Applicable scenarios. A11-3-S01 Cultural Workshop Attendance; A11-3-S02 Museum or Heritage Education Program Participation; A11-3-S03 Community Arts and Culture Event Participation; A11-3-S04 Cultural Preservation or Heritage Interpretation Activity.

Compound identity. Participant-Entity / Event level (14-day recurrence); Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref.

A11-4 POST-EVENT FEEDBACK TASK

30 IPP POINT · W_ESG 0.80 · 14D temporal MCP · A-MCP-14

Task purpose. Transform post-event surveys into Proof Records; ensure feedback supports governance and education disclosures.

Evidence scope. A11-4 records the verified completion and submission of a governed post-event feedback or evaluation instrument. The record identifies the respondent, event, survey version, response window and receipt evidence while preserving appropriate privacy and consent boundaries. Feedback submission does not, by itself, prove that the suggested improvement was implemented.

Applicable scenarios. A11-4-S01 Post-Event Participant Feedback Survey; A11-4-S02 Sustainability Event Evaluation Submission.

Compound identity. Participant-Entity / Event level (14-day recurrence); Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref.

A12 SUSTAINABLE ACCOMMODATION MODULE | 4 TASKS

A12-1 CHECK-IN REGISTRATION TASK

20 IPP POINT · W_ESG 0.73 · 14D temporal MCP · A-MCP-14

Task purpose. Turn hotel check-ins into Proof Records; capture low-carbon accommodation data.

Evidence scope. A12-1 records an attributable accommodation registration or check-in under a specified lodging programme, with guest, stay period, property and authorised source record. Programme labels and digital check-in alone do not verify a property's overall environmental performance or avoided emissions.

Applicable scenarios. A12-1-S01 Hotel Check-in Registration; A12-1-S02 Eco-Hotel Accommodation Participation; A12-1-S03 Green Accommodation Programs; A12-1-S04 Sustainable Tourism Accommodation Participation.

Compound identity. Participant-Entity / Event level (14-day recurrence); Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref.

A12-2 GREEN ROOM PROOF

Research Program: Evidence Infrastructure Research Series

30 IPP POINT · W_ESG 0.87 · 30D temporal MCP · A-MCP-30

Task purpose. Quantify impact of eco-friendly rooms (energy/water reduction) as verifiable Proof Records.

Evidence scope. A12-2 records an attributable guest stay and verified participation in an accommodation provider's approved green-room measures, such as linen reuse, water-conservation options or energy-saving room settings. The record identifies the applicable stay, property, program and supporting documentation; it does not assert measured water or energy savings without separate reliable consumption evidence.

Applicable scenarios. A12-2-S01 Green Room Selection; A12-2-S02 Eco-Room Accommodation Participation; A12-2-S03 Linen Reuse Programs; A12-2-S04 Towel Reuse Programs.

Compound identity. Participant-Entity / Campaign level (30-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

A12-3 ENERGY-SAVING RECORD TASK

30 IPP POINT · W_ESG 0.87 · 14D temporal MCP · A-MCP-14

Task purpose. Capture and disclose measurable energy savings during hotel stays.

Evidence scope. A12-3 records documented guest participation in approved accommodation energy-conservation measures, such as room controls, lighting reduction or thermostat settings. The record identifies the property, stay and action; measured savings require separately reliable baseline and consumption observations.

Applicable scenarios. A12-3-S01 Smart Energy-Saving Room Participation; A12-3-S02 Air-Conditioning Reduction Programs; A12-3-S03 Smart Thermostat Participation; A12-3-S04 Lighting Reduction Initiatives.

Compound identity. Participant-Entity / Event level (14-day recurrence); Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref.

A12-4 ENVIRONMENTAL PARTICIPATION PROOF

50 IPP POINT · W_ESG 0.87 · 30D temporal MCP · A-MCP-30

Task purpose. Enable travelers to join sustainability programs (waste sorting, community service) and log Proof Records.

Evidence scope. A12-4 Environmental Participation Proof transforms verified guest and community participation in environmental stewardship activities into structured, identity-bound, and continuity-preserved evidence. This provides enterprises with a highly secure data layer to substantiate community social engagement (S) and environmental internal controls (G).

Applicable scenarios. A12-4-S01 Waste Sorting Participation; A12-4-S02 Beach Cleanup Activities; A12-4-S03 Community Cleanup Programs; A12-4-S04 Environmental Volunteering.

Compound identity. Participant-Entity / Campaign level (30-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

A13 EV LEASING MODULE | 4 TASKS

A13-1 RENTAL REGISTRATION TASK

20 IPP POINT · W_ESG 0.73 · 30D temporal MCP · A-MCP-30

Task purpose. Turn every EV rental record into Proof Records, capturing baseline travel data.

Evidence scope. A13-1 documents the verified action of executing an EV rental checkout, ensuring that individual carbon avoidance behaviors are preserved as a reusable traceable task record.

Applicable scenarios. A13-1-S01 EV Rental Account Creation & KYC Validation; A13-1-S02 Paperless Mobile Rental Booking; A13-1-S03 EV Fleet Model Selection; A13-1-S04 Pre-Travel Battery Range Allocation.

Compound identity. Participant-Entity / Campaign level (30-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

A13-2 DRIVING MILEAGE TASK

30 IPP POINT · W_ESG 0.87 · 14D temporal MCP · A-MCP-14

Task purpose. Record actual driving mileage of EVs, providing measurable emission data.

Evidence scope. A13-2 Driving Mileage Task addresses this evidence deficit. It integrates real-time platform telemetry, OBD-II diagnostic dongles, and smart leasing software to capture validated EV odometer mileage and driving performance data.

Applicable scenarios. A13-2-S01 EV Telemetry Distance Syncing; A13-2-S02 Onboard OBD-II Diagnostic Logging; A13-2-S03 Regenerative Braking Optimization; A13-2-S04 Zero-Emission Delivery Sourcing.

Compound identity. Participant-Entity / Event level (14-day recurrence); Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref.

A13-3 CHARGING RECORD TASK

30 IPP POINT · W_ESG 0.80 · 14D temporal MCP · A-MCP-14

Task purpose. Capture EV charging sessions as Proof Records, including energy source and infrastructure data.

Evidence scope. A13-3 Charging Record Task addresses this gap. It captures real-time smart meter telemetry and green energy certificates (RECs / Guarantees of Origin) directly from authorized charging station networks.

Applicable scenarios. A13-3-S01 Green Charging Station Booking; A13-3-S02 Renewable Energy Charging Verification; A13-3-S03 Smart Grid Off-Peak Charging; A13-3-S04 DC Fast-Charging Record Logging.

Compound identity. Participant-Entity / Event level (14-day recurrence); Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref.

A13-4 RETURN VERIFICATION TASK

50 IPP POINT · W_ESG 0.87 · 30D temporal MCP · A-MCP-30

Task purpose. Verify vehicle return conditions (clean energy, waste disposal, community impact).

Evidence scope. A13-4 records an attributable electric-vehicle return and its final condition evidence, including return time, location, odometer, available battery state and relevant service checks. Return documentation does not itself quantify net lifecycle environmental benefits or establish every maintenance obligation was met.

Applicable scenarios. A13-4-S01 EV Return Hub Gate Check-in; A13-4-S02 Odometer Final Mileage Validation; A13-4-S03 Battery State of Charge (SOC) Reporting; A13-4-S04 Fleet Optimization Sharing Queue Re-allocation.

Compound identity. Participant-Entity / Campaign level (30-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

A14 PUBLIC TRANSPORT MODULE | 4 TASKS

A14-1 PASSENGER CHECK-IN TASK

20 IPP POINT · W_ESG 0.73 · 7D temporal MCP · A-MCP-7

Task purpose. Convert every passenger boarding into Proof Records, creating data for public transit usage.

Evidence scope. Records a verified public-transport boarding or eligible check-in event with transport mode and transaction timestamp, without independently calculating avoided emissions.

Applicable scenarios. A14-1-S01 Mass Transit Boarding Check-in; A14-1-S02 Paperless Mobile Ticket Activation; A14-1-S03 Electric Bus Boarding Validation; A14-1-S04 Tramway Entry Verification.

Compound identity. Participant-Entity / Campaign level (7-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

A14-2 COMMUTING LOG TASK

30 IPP POINT · W_ESG 0.80 · 7D temporal MCP · A-MCP-7

Task purpose. Track commuting frequency and modes, turning daily transit into ESG-relevant commuting data.

Evidence scope. Captures a documented commuting log and its recurrence period, keeping source journeys distinguishable from summary and ticket-verification activities.

Applicable scenarios. A14-2-S01 Daily Commute Route Registration; A14-2-S02 Mass Transit Active Telemetry Logging; A14-2-S03 Multi-Modal Transit Transfer Scans; A14-2-S04 Off-Peak Commuting Departure Alignment.

Compound identity. Participant-Entity / Campaign level (7-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

A14-3 TICKET VERIFICATION TASK

20 IPP POINT · W_ESG 0.87 · 7D temporal MCP · A-MCP-7

Task purpose. Verify tickets or digital passes, embedding waste reduction and energy efficiency metrics.

Evidence scope. Records validation or use of a designated transit ticket or pass, distinct from trip-level boarding and monthly commute summaries.

Applicable scenarios. A14-3-S01 Contactless Smart Card Gate-Taps; A14-3-S02 Paperless Mobile Ticket Activation; A14-3-S03 Near-field Communication Badge Scanning; A14-3-S04 Transit-Linked Ticketing Activation.

Compound identity. Participant-Entity / Campaign level (7-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

A14-4 SHARED TRANSPORT RENTAL TASK

50 IPP POINT · W_ESG 0.87 · 30D temporal MCP · A-MCP-30

Task purpose. Document shared rides (bike, scooter, carpool) as verifiable Proof Records for Scope 3 data.

Evidence scope. A14-4 records a governed shared bicycle, scooter or car-sharing rental and its completed usage where a valid trip or return record exists. Booking, checkout and trip evidence must be distinguished; shared use is not, by itself, proof of displacement of private vehicle travel or a quantified emission reduction.

Applicable scenarios. A14-4-S01 Shared Bicycle Dock Checkout; A14-4-S02 Shared Electric Scooter Activation; A14-4-S03 Corporate EV Car-sharing Booking; A14-4-S04 Micro-mobility GPS Distance Sourcing.

Compound identity. Participant-Entity / Campaign level (30-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

A15 COMMUNITY ACTIVITIES MODULE | 4 TASKS

A15-1 SUSTAINABILITY EVENT PROMOTION

20 IPP POINT · W_ESG 0.80 · 14D temporal MCP · A-MCP-14

Task purpose. Record verified participation in sustainability-themed community events and promotional activities.

Evidence scope. A15-1 records attributable participation in or distribution of a sustainability-related community campaign, with the issuing institution, content reference, authorised channel and observable action. Promotion, reposting or reach alone does not prove awareness, attendance or subsequent sustainability performance.

Applicable scenarios. A15-1-S01 Digital Event Promotion; A15-1-S02 Paperless Campaign Propagation; A15-1-S03 Sustainability Forum Shared Invites; A15-1-S04 Green Lifestyle Social Reposts.

Compound identity. Participant-Entity / Event level (14-day recurrence); Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref.

A15-2 RESIDENT INTERACTION TASK

30 IPP POINT · W_ESG 0.87 · 14D temporal MCP · A-MCP-14

Task purpose. Transform community workshops, townhalls, and resident engagement into ESG data.

Evidence scope. A15-2 records engagement in a registered neighbourhood meeting, resident consultation or community programme and the associated topic, participant, site and response evidence. A recorded interaction documents dialogue or participation; it does not alone prove the community concern was resolved.

Applicable scenarios. A15-2-S01 Local Resident Communication; A15-2-S02 Community Recycling Workshops; A15-2-S03 Neighborhood Water Stewardship Briefings; A15-2-S04 Energy Efficiency Home Surveys.

Compound identity. Participant-Entity / Event level (14-day recurrence); Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref.

A15-3 GREEN DECLARATION TASK

20 IPP POINT · W_ESG 0.80 · 14D temporal MCP · A-MCP-14

Task purpose. Encourage residents or employees to sign green pledges, generating behavioral Proof Records.

Evidence scope. A15-3 records an attributable and dated declaration or pledge to undertake specified sustainability-related action. It preserves the declarant, statement version, issuer and applicable program context. The declaration is evidence of a commitment or stated intention, not proof that the pledged environmental or social result has been achieved.

Applicable scenarios. A15-3-S01 Community Sustainability Pledge Signing; A15-3-S02 Workplace Resource-Conservation Commitment; A15-3-S03 Campus Responsible Consumption Declaration; A15-3-S04 Municipal Green-Living Pledge Registration.

Compound identity. Participant-Entity / Event level (14-day recurrence); Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref.

A15-4 SUSTAINABILITY RESULTS PRESENTATION

50 IPP POINT · W_ESG 0.87 · 30D temporal MCP · A-MCP-30

Task purpose. Publish sustainability outcomes, such as annual reports or community results-sharing.

Evidence scope. A15-4 records approved publication or presentation of attributable sustainability program results to a community or stakeholder audience. The record identifies the responsible issuer, reporting period, presentation or publication reference and supporting results sources. Publication, attendance or reach does not, by itself, validate the claimed outcome or constitute external assurance.

Applicable scenarios. A15-4-S01 Community Sustainability Results Briefing; A15-4-S02 Annual Sustainability Outcomes Public Presentation; A15-4-S03 Local Environmental Project Results Forum; A15-4-S04 Nonprofit or School Program Results Disclosure.

Compound identity. Participant-Entity / Campaign level (30-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

A16 SERVICE UPGRADE MODULE | 4 TASKS

A16-1 GREEN SERVICE UPGRADE TASK

30 IPP POINT · W_ESG 0.80 · 30D temporal MCP · A-MCP-30

Task purpose. Embed energy-efficient or safety-related upgrades into service processes, converting them into Proof Records.

Evidence scope. A16-1 Green Service Upgrade Task transforms verified sustainability-oriented service improvement activities into structured, identity-bound, and continuity-preserved evidence. This provides enterprises with a highly secure data layer to substantiate operational efficiency (S) and climate risk management (G) assertions.

Applicable scenarios. A16-1-S01 Energy-Efficient Equipment Upgrades; A16-1-S02 LED Lighting Replacement Programs; A16-1-S03 Smart Energy Management Installations; A16-1-S04 Water-Saving Service Upgrades.

Compound identity. Participant-Entity / Campaign level (30-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

A16-2 CUSTOMER FEEDBACK TASK

30 IPP POINT · W_ESG 0.73 · 14D temporal MCP · A-MCP-14

Task purpose. Capture customer safety and labeling feedback as ESG-relevant Proof Records.

Evidence scope. Within this task, feedback submissions, customer surveys, service evaluations, safety reports, labeling feedback, and user experience records function as verification objects. The resulting evidence unit represents participation in customer feedback activities rather than satisfaction ratings or product certifications.

Applicable scenarios. A16-2-S01 Customer Satisfaction Feedback; A16-2-S02 Product Labeling Feedback; A16-2-S03 Product Safety Feedback; A16-2-S04 Service Quality Feedback.

Compound identity. Participant-Entity / Event level (14-day recurrence); Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref.

A16-3 DIGITAL PROCESS TRANSFORMATION TASK

50 IPP POINT · W_ESG 0.87 · 30D temporal MCP · A-MCP-30

Task purpose. Turn digitalization and paperless transitions into measurable Proof Records for energy efficiency and privacy.

Research Program: Evidence Infrastructure Research Series

Evidence scope. A16-3 records the implementation or attributable use of a defined paperless or digital service process, including system version, responsible entity, deployment period and relevant workflow evidence. Digitalisation is not independently equivalent to an energy saving, privacy compliance or measured environmental benefit.

Applicable scenarios. A16-3-S01 Paperless Workflow Implementation; A16-3-S02 Electronic Document Management Deployment; A16-3-S03 Digital Approval Process Implementation; A16-3-S04 E-Signature Adoption Programs.

Compound identity. Participant-Entity / Campaign level (30-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

A16-4 PUBLIC SERVICE CHALLENGE TASK

30 IPP POINT · W_ESG 0.87 · 30D temporal MCP · A-MCP-30

Task purpose. Record voluntary participation in public service or community challenges as ESG data.

Evidence scope. Within this task, volunteer registrations, challenge participation records, community service logs, civic engagement activities, and public service program records function as verification objects. The resulting evidence unit represents participation in public service activities rather than social impact measurements or volunteer performance.

Applicable scenarios. A16-4-S01 Community Service Challenges; A16-4-S02 Public Volunteer Programs; A16-4-S03 Neighborhood Improvement Initiatives; A16-4-S04 Community Clean-Up Campaigns.

Compound identity. Participant-Entity / Campaign level (30-day recurrence); Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref.

APPENDIX B. 56 B-SERIES TASK SPECIFICATIONS

Each task is a discrete Product ID class. The authorised scenarios illustrate the specified action without broadening the task's meaning or independently establishing an outcome. Task-weight and temporal-identity values are task-level controls, not cumulative evidence counts. Descriptive scope wording is governed by Sections 2.2 and 9.3; a technical integrity control, recorded submission or institutional participation does not independently prove factual correctness, actual performance, assurance or legal compliance. ScenarioIDs distinguish task-local contexts without changing Product IDs.

B01 UPSTREAM & DOWNSTREAM MODULE | 4 TASKS

B01-1 SUPPLIER COMMITMENT PROOF

150 E-IPP POINT · W_ESG 0.80 · 90D temporal MCP · B-MCP-90

Task purpose. Turn supplier ESG commitments into Proof Records; ensure upstream sustainability pledges are verifiable.

Evidence scope. Converts signed supplier sustainability commitments and onboarding acknowledgements into identity-bound records, without treating the commitment itself as proof of compliance.

Applicable scenarios. B01-1-S01 Supplier ESG Commitment Declarations; B01-1-S02 Supplier Code of Conduct Acknowledgements.

Compound identity. Entity / Counterparty-relationship level (90-day recurrence); Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref.

B01-2 DOWNSTREAM CUSTOMER FEEDBACK

100 E-IPP POINT · W_ESG 0.73 · 90D temporal MCP · B-MCP-90

Task purpose. Capture downstream customer ESG feedback as Proof Records; integrate buyer voices into disclosure.

Evidence scope. Customer feedback provides organizations with valuable information regarding product sustainability attributes, environmental expectations, safety concerns, social impacts, responsible sourcing expectations, and overall stakeholder trust.

Applicable scenarios. B01-2-S01 Downstream Stakeholder ESG Surveys; B01-2-S02 Customer Sustainability Satisfaction Audits; B01-2-S03 Value-Chain Co-Creation Consultations; B01-2-S04 Distributor ESG Compliance Feedback.

Compound identity. Entity / Counterparty-relationship level (90-day recurrence); Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref.

B01-3 SUPPLY CHAIN DATA DISCLOSURE

200 E-IPP POINT · W_ESG 0.87 · 180D temporal MCP · B-MCP-180

Task purpose. Transform supplier data (GHG, water, waste) into standardized Proof Records for ESG reporting.

Evidence scope. The resulting evidence unit represents participation in disclosure and transparency activities rather than validation of environmental performance, verification of reported values, assurance conclusions or sustainability ratings.

Applicable scenarios. B01-3-S01 Upstream Supplier GHG Inventory Submissions; B01-3-S02 Annual Supplier ESG Questionnaire Filings; B01-3-S03 Product Carbon Footprint (PCF) Declarations; B01-3-S04 Resource & Water Consumption Reporting.

Compound identity. Entity / Audit-cycle level (180-day recurrence); Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref.

B01-4 CO-CREATION PROJECT COLLABORATION

150 E-IPP POINT · W_ESG 0.80 · 180D temporal MCP · B-MCP-180

Task purpose. Record upstream - downstream collaboration projects as Proof Records; highlight joint ESG innovation.

Evidence scope. Records verified joint upstream-downstream projects, their parties, agreed deliverables and completed milestones, without treating project initiation as proof of achieved reduction.

Applicable scenarios. B01-4-S01 Joint Carbon-Reduction Project Execution; B01-4-S02 Circular Packaging Loop Collaboration; B01-4-S03 Collaborative Supplier Capacity-Building; B01-4-S04 Shared Logistics Optimization Programs.

Compound identity. Entity / Audit-cycle level (180-day recurrence); Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref.

B02 GREEN PROCUREMENT MODULE | 4 TASKS

B02-1 SUSTAINABLE SUPPLIER LIST

100 E-IPP POINT · W_ESG 0.80 · 90D temporal MCP · B-MCP-90

Task purpose. Turn the adoption of green supplier lists into Proof Records; ensure procurement integrates ESG criteria.

Evidence scope. B02-1 Sustainable Supplier List transforms verified adoption and utilization of sustainable supplier lists into structured, identity-bound, and continuity-preserved evidence.

Applicable scenarios. B02-1-S01 Sustainable Supplier List Adoption; B02-1-S02 Preferred ESG Supplier Programs.

Compound identity. Entity / Counterparty-relationship level (90-day recurrence); Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref.

B02-2 GREEN PROCUREMENT CONTRACT

150 E-IPP POINT · W_ESG 0.80 · 180D temporal MCP · B-MCP-180

Task purpose. Capture contract terms embedding ESG clauses as Proof Records; quantify sustainable procurement practices.

Evidence scope. Within this task, procurement contracts, supplier agreements, framework agreements, purchasing terms, responsible sourcing clauses, and sustainability-related contractual provisions function as verification objects.

Applicable scenarios. B02-2-S01 ESG-Linked Master Supply Agreements; B02-2-S02 Low-Carbon SLA Contracting; B02-2-S03 Ethical & Conflict-Free Sourcing Covenants; B02-2-S04 Circular Take-Back Procurement Clauses.

Compound identity. Entity / Audit-cycle level (180-day recurrence); Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref.

B02-3 ESG MATERIAL TRACEABILITY

200 E-IPP POINT · W_ESG 0.87 · 90D temporal MCP · B-MCP-90

Task purpose. Ensure material sourcing traceability (GHG, waste, labor) becomes measurable Proof Records.

Evidence scope. Within this task, material traceability records, source verification activities, supplier-origin documentation, chain-of-custody records, sourcing disclosures, and due diligence participation activities function as verification objects.

Applicable scenarios. B02-3-S01 Geolocated Raw Material Origin Tracking; B02-3-S02 Chain-of-Custody (CoC) Ledger Validation; B02-3-S03 Recycled Content Batch Verification; B02-3-S04 Conflict Mineral & Hazardous Substance Screening.

Compound identity. Entity / Counterparty-relationship level (90-day recurrence); Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref.

B02-4 PROCUREMENT AUDIT

150 E-IPP POINT · W_ESG 0.87 · 180D temporal MCP · B-MCP-180

Task purpose. Transform green procurement audits into Proof Records; ensure supplier compliance is transparent.

Evidence scope. Within this task, procurement audit programs, supplier review activities, sourcing governance assessments, procurement monitoring processes, and audit participation records function as verification objects.

Applicable scenarios. B02-4-S01 Annual Green Procurement Compliance Audits; B02-4-S02 Eco-Label & Spend Verification Reviews; B02-4-S03 Supplier Contract ESG Clause Adherence Checks; B02-4-S04 Scope 3 Category 1 Spend-to-Activity Reconciliation.

Compound identity. Entity / Audit-cycle level (180-day recurrence); Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref.

B03 ENERGY-EFFICIENT EQUIPMENT MODULE | 4 TASKS

B03-1 EQUIPMENT REGISTRATION

100 E-IPP POINT · W_ESG 0.80 · 180D temporal MCP · B-MCP-180

Task purpose. Log the installation and registration of energy-efficient equipment as an identifiable asset-level Proof Record.

Evidence scope. Documents registration, installation or commissioning of specified efficiency equipment against an asset and facility identity.

Applicable scenarios. B03-1-S01 High-Efficiency HVAC & Chiller Registration; B03-1-S02 Smart LED & Sensor Lighting Deployment; B03-1-S03 Industrial Motor & Compressor Onboarding; B03-1-S04 Building Management System (BMS) Metering Setup.

Compound identity. Entity / Audit-cycle level (180-day recurrence); Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref.

B03-2 EFFICIENCY VERIFICATION

150 E-IPP POINT · W_ESG 0.87 · 180D temporal MCP · B-MCP-180

Task purpose. Quantify equipment efficiency gains as Proof Records; provide verifiable evidence for audits and disclosures.

Evidence scope. Within this task, efficiency assessments, performance verification activities, equipment benchmarking exercises, monitoring programs, and energy review activities function as verification objects.

Applicable scenarios. B03-2-S01 Equipment Efficiency Verification Programs; B03-2-S02 Facility Energy Baseline Benchmarking; B03-2-S03 Process Heat Recovery Validation; B03-2-S04 Smart Load-Shifting & Peak-Shaving Verification.

Compound identity. Entity / Audit-cycle level (180-day recurrence); Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref.

B03-3 MAINTENANCE TRACKING

100 E-IPP POINT · W_ESG 0.73 · 365D temporal MCP · B-MCP-365

Task purpose. Turn maintenance records into Proof Records; ensure long-term efficiency of energy-saving devices.

Evidence scope. Within this task, maintenance records, service logs, inspection activities, preventive maintenance programs, repair records, and equipment lifecycle management activities function as verification objects.

Applicable scenarios. B03-3-S01 Preventive HVAC & Filter Maintenance Logs; B03-3-S02 Industrial Equipment Calibration & Tuning; B03-3-S03 Solar PV & Inverter Inspection Records; B03-3-S04 Smart Sensor & Sub-Meter Recalibration.

Compound identity. Entity / Institutional-commitment level (365-day recurrence); Initiator EGC ID + Governance/Certifier ID + Product ID + SDGS Activity ID + Fiscal Year Ref.

B03-4 PROJECT AUDIT

200 E-IPP POINT · W_ESG 0.87 · 90D temporal MCP · B-MCP-90

Task purpose. Convert third-party audits of energy-saving projects into Proof Records; create reliable disclosure evidence.

Evidence scope. Records a completed project-level review of energy-efficiency measures, with review scope, evidence, findings and responsible parties; it is not a procurement audit.

Applicable scenarios. B03-4-S01 Energy-efficiency project review; B03-4-S02 Independent project evidence inspection; B03-4-S03 Project completion finding register.

Compound identity. Entity / Counterparty-relationship level (90-day recurrence); Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref.

B04 FOOD SUPPLY CHAIN MODULE | 4 TASKS

B04-1 RAW MATERIAL TRACEABILITY

100 E-IPP POINT · W_ESG 0.80 · 90D temporal MCP · B-MCP-90

Task purpose. Ensure raw materials are traceable; turn sourcing data into Proof Records for ESG disclosure.

Evidence scope. Within this task, raw material origin records, sourcing documentation, traceability programs, supplier-origin declarations, chain-of-custody activities, and material transparency initiatives function as verification objects.

Applicable scenarios. B04-1-S01 Certified Sustainable Agriculture Sourcing; B04-1-S02 Local & Low-Food-Mile Ingredient Purchasing; B04-1-S03 Deforestation-Free Commodity Verification; B04-1-S04 Regenerative & Low-Carbon Crop Sourcing.

Compound identity. Entity / Counterparty-relationship level (90-day recurrence); Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref.

B04-2 COLD CHAIN TRANSPORTATION

150 E-IPP POINT · W_ESG 0.87 · 90D temporal MCP · B-MCP-90

Task purpose. Log cold chain logistics as Proof Records; ensure energy and emission data are included in ESG reporting.

Evidence scope. Within this task, transportation records, cold chain operations, refrigerated logistics activities, distribution tracking records, fleet management activities, and transportation monitoring programs function as verification objects.

Applicable scenarios. B04-2-S01 Temperature-Controlled Fleet Telemetry Logging; B04-2-S02 Low-GWP Refrigerant Transport Verification; B04-2-S03 Electric & Hybrid Reefer Route Execution; B04-2-S04 Cold-Chain Warehouse Door-Seal & Insulation Audits.

Compound identity. Entity / Counterparty-relationship level (90-day recurrence); Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref.

B04-3 FOOD SAFETY TESTING

200 E-IPP POINT · W_ESG 0.93 · 30D temporal MCP · B-MCP-30

Task purpose. Turn food safety tests into verifiable Proof Records; strengthen governance of supply chain safety.

Evidence scope. Within this task, food testing records, laboratory verification activities, quality assurance programs, inspection activities, and safety monitoring procedures function as verification objects.

Applicable scenarios. B04-3-S01 Laboratory food-safety testing; B04-3-S02 Batch-level allergen and contamination screening; B04-3-S03 Critical-control-point verification; B04-3-S04 Packaging contact-safety testing.

Compound identity. Entity / Transaction level (30-day recurrence); Initiator EGC ID + Facility ID + Product ID + SDGS Activity ID + Metering/Batch Ref.

B04-4 FOOD WASTE REDUCTION

150 E-IPP POINT · W_ESG 0.80 · 180D temporal MCP · B-MCP-180

Task purpose. Quantify food waste reduction initiatives as Proof Records; make results auditable in ESG disclosure.

Evidence scope. Within this task, food waste monitoring records, waste reduction programs, food recovery activities, redistribution initiatives, inventory optimization activities, and circular resource management programs function as verification objects.

Research Program: Evidence Infrastructure Research Series

Applicable scenarios. B04-4-S01 Manufacturing & Kitchen Food Waste Diversion; B04-4-S02 Surplus Food Redistribution & Food Bank Transfers; B04-4-S03 AI-Driven Demand Forecasting & Spoilage Reduction; B04-4-S04 On-Site Aerobic Digester & Biogas Conversion.

Compound identity. Entity / Audit-cycle level (180-day recurrence); Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref.

B05 GREEN POWER CONSUMPTION MODULE | 4 TASKS

B05-1 GREEN ELECTRICITY REGISTRATION

100 E-IPP POINT · W_ESG 0.87 · 180D temporal MCP · B-MCP-180

Task purpose. Turn the act of registering green electricity purchases into Proof Records; provide traceability for ESG disclosure.

Evidence scope. B05-1 Renewable Energy Registration transforms verified green electricity procurement registration activities into structured, identity-bound, and continuity-preserved evidence.

Applicable scenarios. B05-1-S01 Green Electricity Tariff Enrollment; B05-1-S02 Corporate Power Purchase Agreement (CPPA) Onboarding; B05-1-S03 On-Site Solar PV Generation Asset Registration; B05-1-S04 Renewable Energy Certificate (REC/energy attribute) Account Setup.

Compound identity. Entity / Audit-cycle level (180-day recurrence); Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref.

B05-2 GREEN POWER CONSUMPTION

150 E-IPP POINT · W_ESG 0.93 · 30D temporal MCP · B-MCP-30

Task purpose. Capture actual renewable-electricity consumption in Proof Records to document energy-transition activity.

Evidence scope. Documents metered renewable-electricity consumption and its relevant facility and period, separate from certificate registration or certificate retirement.

Applicable scenarios. B05-2-S01 Smart-Metered Green Electricity Consumption; B05-2-S02 Facility-Level Solar Self-Consumption Logging; B05-2-S03 EV Fleet Green Charging Consumption; B05-2-S04 Data Center & Cloud Green Power Matching.

Compound identity. Entity / Transaction level (30-day recurrence); Initiator EGC ID + Facility ID + Product ID + SDGS Activity ID + Metering/Batch Ref.

B05-3 RENEWABLE PROJECT PARTICIPATION

200 E-IPP POINT · W_ESG 0.87 · 90D temporal MCP · B-MCP-90

Task purpose. Log enterprise participation in renewable projects as Proof Records; strengthen institutional accountability.

Evidence scope. Within this task, renewable energy project records, participation documentation, collaboration activities, infrastructure development initiatives and clean energy engagement programs function as verification objects.

Applicable scenarios. B05-3-S01 Utility-Scale Solar & Wind Co-Investment; B05-3-S02 Community Microgrid & Agrivoltaics Sponsorship; B05-3-S03 Battery Energy Storage System (BESS) Deployment; B05-3-S04 Offshore Wind & Hydrogen Pilot Consortiums.

Compound identity. Entity / Counterparty-relationship level (90-day recurrence); Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref.

B05-4 CERTIFICATE VERIFICATION

200 E-IPP POINT · W_ESG 0.93 · 90D temporal MCP · B-MCP-90

Task purpose. Ensure third-party RECs or I-RECs are converted into Proof Records; make green electricity auditable.

Evidence scope. Records validation of an energy-attribute document against its issuing registry, identity, applicable period and retirement or transfer status; it does not itself provide independent assurance.

Applicable scenarios. B05-4-S01 Energy attribute retirement confirmation; B05-4-S02 Origin and certificate register reconciliation; B05-4-S03 Vintage and serial-number verification; B05-4-S04 Registry evidence review.

Compound identity. Entity / Counterparty-relationship level (90-day recurrence); Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref.

B06 CARBON AUDIT COLLABORATION MODULE | 4 TASKS

B06-1 DATA SUBMISSION

100 E-IPP POINT · W_ESG 0.80 · 90D temporal MCP · B-MCP-90

Task purpose. Convert supplier/partner carbon inventory data submissions into verifiable Proof Records.

Evidence scope. B06-1 Carbon Inventory Upload addresses this systemic deficit by transforming the transaction-level act of submitting carbon emissions datasets into identity-bound, timestamped, and continuity-preserved Proof Records.

Applicable scenarios. B06-1-S01 Supplier Carbon Footprint Reporting; B06-1-S02 Scope 1 Emissions Data Submission.

Compound identity. Entity / Counterparty-relationship level (90-day recurrence); Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref.

B06-2 COLLABORATION VERIFICATION

150 E-IPP POINT · W_ESG 0.87 · 180D temporal MCP · B-MCP-180

Task purpose. Record collaborative verification of carbon data between upstream and downstream as Proof Records.

Evidence scope. B06-2 Carbon Verification Process standardizes the joint verification and data reconciliation activities executed between reporting entities. Instead of certifying final emissions outcomes, this task captures the verified action of participation in validation workflows.

Applicable scenarios. B06-2-S01 Supplier Carbon Data Verification Programs; B06-2-S02 Customer Carbon Inventory Review Activities; B06-2-S03 Joint Emissions Data Validation Workshops.

Compound identity. Entity / Audit-cycle level (180-day recurrence); Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref.

B06-3 DATA SHARING

150 E-IPP POINT · W_ESG 0.87 · 180D temporal MCP · B-MCP-180

Task purpose. Ensure shared use of carbon inventory data is logged as Proof Records for institutional transparency.

Evidence scope. B06-3 records an authorised exchange of carbon-inventory or related enterprise datasets, identifying sender, recipient, dataset/version, scope of access and time of transfer. Provenance shows that a dataset was shared; it does not itself attest to its accuracy, ownership rights or acceptance for reporting.

Applicable scenarios. B06-3-S01 Carbon Inventory Data Sharing; B06-3-S02 Scope 1 Emissions Data Exchange; B06-3-S03 Scope 2 Emissions Data Exchange.

Compound identity. Entity / Audit-cycle level (180-day recurrence); Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref.

B06-4 RESULTS VALIDATION

200 E-IPP POINT · W_ESG 0.93 · 90D temporal MCP · B-MCP-90

Task purpose. Convert third-party validation of carbon inventory results into Proof Records; ensure auditability.

Evidence scope. B06-4 Emission Reconciliation standardizes the formal, high-complexity process of validating emissions inventories and resolving calculations under the oversight of verified auditors or compliance systems.

Applicable scenarios. B06-4-S01 Carbon Inventory Validation Programs; B06-4-S02 Greenhouse Gas Inventory Review Activities; B06-4-S03 Independent Carbon Data Assessments.

Compound identity. Entity / Counterparty-relationship level (90-day recurrence); Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref.

B07 SUPPLY CHAIN ESG VERIFICATION MODULE | 4 TASKS

B07-1 DOCUMENT SUBMISSION

100 E-IPP POINT · W_ESG 0.80 · 180D temporal MCP · B-MCP-180

Task purpose. Convert supplier ESG documents (policies, certificates) into Proof Records for verifiable disclosures.

Evidence scope. B07-1 Supplier ESG Verification transforms the transaction-level act of submitting critical ESG documents into structured, identity-bound, and continuity-preserved Proof Records.

Applicable scenarios. B07-1-S01 ESG Policy Submission; B07-1-S02 Sustainability Policy Submission; B07-1-S03 Supplier Code of Conduct Submission; B07-1-S04 Environmental Management Policy Submission.

Compound identity. Entity / Audit-cycle level (180-day recurrence); Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref.

B07-2 MIDSTREAM COLLABORATION

150 E-IPP POINT · W_ESG 0.80 · 90D temporal MCP · B-MCP-90

Task purpose. Record collaborative ESG verification activities in midstream as Proof Records, ensuring chain-wide accountability.

Evidence scope. B07-2 records attributable midstream supplier collaboration or corrective-action activity, including identified parties, action plan, milestones and responsible confirmation. Establishing a plan or recording a meeting does not independently prove corrective measures were implemented or the identified risk was eliminated.

Applicable scenarios. B07-2-S01 Supplier ESG Corrective Action; B07-2-S02 Carbon Emission Mitigation Correction; B07-2-S03 EHS Non-compliance Resolution; B07-2-S04 Supplier Improvement Workshops.

Compound identity. Entity / Counterparty-relationship level (90-day recurrence); Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref.

B07-3 CUSTOMER CONFIRMATION

150 E-IPP POINT · W_ESG 0.80 · 90D temporal MCP · B-MCP-90

Task purpose. Turn downstream customer confirmations of ESG compliance into Proof Records.

Evidence scope. Captures a customer confirmation or agreed downstream value-chain data exchange against the correct counterparty and product or relationship reference.

Applicable scenarios. B07-3-S01 Upstream-Downstream Scope 3 Sync; B07-3-S02 Supplier Product Carbon Footprint (PCF) Sync; B07-3-S03 Transport Emission Factor Alignment; B07-3-S04 Green Logistics Data Integration.

Compound identity. Entity / Counterparty-relationship level (90-day recurrence); Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref.

B07-4 RESULT DISCLOSURE

200 E-IPP POINT · W_ESG 0.87 · 180D temporal MCP · B-MCP-180

Task purpose. Convert final ESG verification results into Proof Records, ensuring transparency for stakeholders.

Evidence scope. B07-4 Supplier Governance Review transforms the transaction-level event of disclosing ESG verification and audit results into structures, identity-bound, and continuity-preserved Proof Records.

Applicable scenarios. B07-4-S01 Supplier ESG Governance Review; B07-4-S02 Corporate Sourcing Board SBM Check; B07-4-S03 Multi-facility ESG Compliance Audit; B07-4-S04 Annual Supplier Performance Ranking.

Compound identity. Entity / Audit-cycle level (180-day recurrence); Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref.

B08 GREEN MANUFACTURING MODULE | 4 TASKS

B08-1 PROCESS ENERGY EFFICIENCY

150 E-IPP POINT · W_ESG 0.87 · 90D temporal MCP · B-MCP-90

Task purpose. Convert energy-saving measures in manufacturing processes into Proof Records for ESG disclosure.

Evidence scope. B08-1 Process Energy Efficiency transforms the transaction-level execution of industrial process optimization, energy retrofits, and smart manufacturing scheduling into structures, identity-bound, and continuity-preserved Proof Records.

Research Program: Evidence Infrastructure Research Series

Applicable scenarios. B08-1-S01 Production Line Energy Optimization; B08-1-S02 Manufacturing Process Redesign; B08-1-S03 Energy-efficiency Improvement Projects; B08-1-S04 Operational Energy Reduction Initiatives.

Compound identity. Entity / Counterparty-relationship level (90-day recurrence); Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref.

B08-2 WASTE REDUCTION

150 E-IPP POINT · W_ESG 0.87 · 90D temporal MCP · B-MCP-90

Task purpose. Quantify waste minimization during production as Proof Records; ensure reductions are auditable.

Evidence scope. B08-2 Waste Reduction transforms the transaction-level execution of manufacturing scrap minimization, circular material reuse, and industrial packaging optimization into structures, identity-bound, and continuity-preserved Proof Records.

Applicable scenarios. B08-2-S01 Production Waste Reduction Programs; B08-2-S02 Scrap Minimization Initiatives; B08-2-S03 Yield Improvement Projects; B08-2-S04 Material Utilization Optimization.

Compound identity. Entity / Counterparty-relationship level (90-day recurrence); Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref.

B08-3 WATER OPTIMIZATION

150 E-IPP POINT · W_ESG 0.80 · 180D temporal MCP · B-MCP-180

Task purpose. Record water-saving measures in processes as Proof Records, ensuring transparency in ESG disclosure.

Evidence scope. B08-3 Water Optimization captures the verified implementation of industrial water-efficiency, rainwater harvesting, closed-loop process water recycling, and optimal wastewater treatment activities.

Applicable scenarios. B08-3-S01 Industrial Water Conservation Programs; B08-3-S02 Process Water Optimization Projects; B08-3-S03 Water Recycling System Implementation; B08-3-S04 Water Reuse Initiatives.

Compound identity. Entity / Audit-cycle level (180-day recurrence); Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref.

B08-4 GREEN PROCESS CERTIFICATION

200 E-IPP POINT · W_ESG 0.87 · 180D temporal MCP · B-MCP-180

Task purpose. Ensure external green process certifications are converted into Proof Records.

Evidence scope. B08-4 Green Process Certification transforms the complex, high-rigour process of obtaining and maintaining green manufacturing certifications into structured, identity-bound, and continuity-preserved Proof Records.

Applicable scenarios. B08-4-S01 Green manufacturing certification records; B08-4-S02 Environmental management process review; B08-4-S03 Energy-management certification records.

Compound identity. Entity / Audit-cycle level (180-day recurrence); Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref.

B09 SUPPLY CHAIN AUDIT MODULE | 4 TASKS

B09-1 ON-SITE AUDIT

200 E-IPP POINT · W_ESG 0.87 · 180D temporal MCP · B-MCP-180

Task purpose. Convert on-site supplier audits into Proof Records, ensuring field compliance is measurable.

Evidence scope. B09-1 records execution of an authorised on-site supplier or facility audit activity, identifying scope, location, participating auditor, dated inspection records, findings and responsible review. A PADV participation record is not itself an independent assurance opinion, certification or determination of legal compliance.

Applicable scenarios. B09-1-S01 Supplier On-site Audits; B09-1-S02 Sustainability Compliance Audits; B09-1-S03 Facility Inspections; B09-1-S04 Environmental Management Audits.

Compound identity. Entity / Audit-cycle level (180-day recurrence); Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref.

B09-2 DOCUMENT REVIEW

150 E-IPP POINT · W_ESG 0.80 · 90D temporal MCP · B-MCP-90

Task purpose. Capture supplier ESG documentation reviews as Proof Records, ensuring paper trails are auditable.

Evidence scope. B09-2 Document Review captures and validates the corporate act of reviewing environmental policies, labor compliance records, management certifications, and ESG survey logs submitted by suppliers.

Applicable scenarios. B09-2-S01 Supplier ESG Document Reviews; B09-2-S02 Sustainability Policy Assessments; B09-2-S03 Environmental Management Document Reviews; B09-2-S04 Human Rights Policy Evaluations.

Compound identity. Entity / Counterparty-relationship level (90-day recurrence); Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref.

B09-3 SAMPLING CHECK

150 E-IPP POINT · W_ESG 0.80 · 90D temporal MCP · B-MCP-90

Task purpose. Record supply chain sampling checks as Proof Records, linking spot checks to ESG assurance.

Evidence scope. Sampling validation provides an agile way to detect anomalies, verify data consistency, and support corporate due diligence. B09-3 Sampling Check transforms the execution of random supplier spot checks, batch verifications, and transaction sampling into identity-bound, timestamped Proof Records.

Applicable scenarios. B09-3-S01 Supplier Sampling Inspections; B09-3-S02 ESG Spot-check Programs; B09-3-S03 Random Compliance Inspections; B09-3-S04 Sample-based Document Verification.

Compound identity. Entity / Counterparty-relationship level (90-day recurrence); Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref.

B09-4 RESULT DISCLOSURE

200 E-IPP POINT · W_ESG 0.87 · 180D temporal MCP · B-MCP-180

Task purpose. Convert final supply chain audit results into Proof Records; enhance transparency across stakeholders.

Evidence scope. B09-4 Result Disclosure transforms the formal act of disclosing supply chain audit outcomes and due diligence progress into structured, identity-bound, and continuity-preserved Proof Records on the centralized PADV registry.

Applicable scenarios. B09-4-S01 Supplier Audit Result Publication; B09-4-S02 Responsible Sourcing Disclosure Programs; B09-4-S03 Sustainability Audit Reporting; B09-4-S04 Supply Chain Transparency Reports.

Compound identity. Entity / Audit-cycle level (180-day recurrence); Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref.

B10 WATER RESOURCE MANAGEMENT MODULE | 4 TASKS

B10-1 WATER-SAVING FACILITY INSTALLATION

150 E-IPP POINT · W_ESG 0.80 · 30D temporal MCP · B-MCP-30

Task purpose. Convert installation of water-saving devices into Proof Records; ensure conservation actions are traceable.

Evidence scope. Documents installation and commissioning of water-saving fixtures or equipment with facility and asset-level traceability.

Applicable scenarios. B10-1-S01 Installation of water-saving fixtures; B10-1-S02 Low-flow device commissioning; B10-1-S03 Facility water-efficiency upgrade.

Compound identity. Entity / Transaction level (30-day recurrence); Initiator EGC ID + Facility ID + Product ID + SDGS Activity ID + Metering/Batch Ref.

B10-2 RECLAIMED WATER USE

200 E-IPP POINT · W_ESG 0.87 · 180D temporal MCP · B-MCP-180

Task purpose. Log reclaimed water usage as Proof Records; ensure recycling efficiency is auditable.

Evidence scope. Documents measured reclaimed-water use and water recycling practices with facility-level usage records, rather than treating device installation as equivalent evidence.

Applicable scenarios. B10-2-S01 Reclaimed-water use logging; B10-2-S02 Water recycling/reuse activity; B10-2-S03 Facility metering reconciliation.

Compound identity. Entity / Audit-cycle level (180-day recurrence); Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref.

B10-3 WASTEWATER TREATMENT

200 E-IPP POINT · W_ESG 0.80 · 180D temporal MCP · B-MCP-180

Task purpose. Record wastewater treatment processes as Proof Records; ensure compliance and governance.

Evidence scope. Records wastewater treatment operation, testing and discharge-related evidence against a specified facility, process and reporting period; it is not a generic water-risk-assessment task.

Applicable scenarios. B10-3-S01 Wastewater treatment operations; B10-3-S02 Industrial wastewater processing; B10-3-S03 Effluent test and water-quality logging; B10-3-S04 Treatment completion evidence.

Compound identity. Entity / Audit-cycle level (180-day recurrence); Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref.

B10-4 WATER FOOTPRINT REPORTING

200 E-IPP POINT · W_ESG 0.87 · 365D temporal MCP · B-MCP-365

Task purpose. Convert water footprint reports into Proof Records; strengthen institutional transparency.

Evidence scope. Records formal water-footprint reports and water-stewardship disclosures as dated institutional reporting evidence; it does not independently assure the reported quantities.

Applicable scenarios. B10-4-S01 Water Footprint Report Publication; B10-4-S02 Water Stewardship Disclosure Programs; B10-4-S03 Water Consumption Reporting; B10-4-S04 Water Withdrawal Disclosure.

Compound identity. Entity / Institutional-commitment level (365-day recurrence); Initiator EGC ID + Governance/Certifier ID + Product ID + SDGS Activity ID + Fiscal Year Ref.

B11 SUSTAINABLE FINANCE PRODUCTS MODULE | 4 TASKS

B11-1 GREEN INVESTMENT DISCLOSURE

150 E-IPP POINT · W_ESG 0.80 · 180D temporal MCP · B-MCP-180

Task purpose. Financial institutions disclose the proportion of green investments, converting submissions into Proof Records to enhance transparency.

Evidence scope. Records a financial institution’s dated disclosure of its sustainable-investment allocation or portfolio composition, with source, measurement date and governing responsibility; registration of a fund alone is not the same task.

Applicable scenarios. B11-1-S01 Portfolio sustainable-allocation disclosure; B11-1-S02 Dated investment category report; B11-1-S03 Climate-related investment reporting.

Compound identity. Entity / Audit-cycle level (180-day recurrence); Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref.

B11-2 ESG FINANCING

200 E-IPP POINT · W_ESG 0.87 · 180D temporal MCP · B-MCP-180

Task purpose. Record ESG financing terms, fund allocation, and related performance indicators as finance-related Proof Records.

Evidence scope. Records financing terms, project allocation and approved sustainability-linked performance information with their contract and reporting references; finance disbursement is distinct from environmental performance.

Applicable scenarios. B11-2-S01 Sustainability-linked Loan Issuance; B11-2-S02 ESG Financing Agreement Execution; B11-2-S03 Green Financing Facility Establishment; B11-2-S04 Sustainable Project Financing.

Compound identity. Entity / Audit-cycle level (180-day recurrence); Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref.

B11-3 GREEN INSURANCE

150 E-IPP POINT · W_ESG 0.78 · 90D temporal MCP · B-MCP-90

Task purpose. Underwriting, premium, and claims of green insurance policies are logged as Proof Records to demonstrate social resilience and climate risk governance.

Evidence scope. Documents green-insurance issuance, underwriting validation and claims-processing actions as finance and risk-governance evidence without implying policy performance assurance.

Applicable scenarios. B11-3-S01 Green Insurance Policy Issuance; B11-3-S02 Renewable Energy Insurance Programs; B11-3-S03 Green Building Insurance Coverage; B11-3-S04 Environmental Liability Insurance.

Compound identity. Entity / Counterparty-relationship level (90-day recurrence); Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref.

Weight provenance. 0.78 is the inherited publisher-assigned task coefficient; no unsupported integer factor-triplet is asserted.

B11-4 CARBON FINANCE PRODUCTS

200 E-IPP POINT · W_ESG 0.87 · 90D temporal MCP · B-MCP-90

Task purpose. Issuance and trading of carbon finance products are converted into Proof Records, disclosing climate finance impact and market risk management.

Evidence scope. Records the governed transaction history of externally issued carbon-finance products, such as issuance, transfer or retirement documents; this task does not create a carbon instrument or make NTCC tradable.

Applicable scenarios. B11-4-S01 Externally issued carbon-finance instrument registration; B11-4-S02 Externally governed transfer or retirement record; B11-4-S03 Portfolio carbon-finance document review.

Compound identity. Entity / Counterparty-relationship level (90-day recurrence); Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref.

B12 TRUST & ASSURANCE INSURANCE MODULE | 4 TASKS

B12-1 INSURANCE POLICY LISTING

150 E-IPP POINT · W_ESG 0.80 · 180D temporal MCP · B-MCP-180

Task purpose. Convert the issuance of ESG-related or trust-based insurance policies into Proof Records.

Evidence scope. B12-1 records the documented issuance, registration or activation of relevant insurance policies and governance-linked coverages, tied to the responsible institutional entity, policy reference, effective period and source documentation. Registration evidences the existence of the covered arrangement, not claim payment, assured loss prevention or verified risk reduction.

Applicable scenarios. B12-1-S01 Environmental Liability Insurance Registration; B12-1-S02 Climate & Catastrophe Parametric Policy Listing; B12-1-S03 Renewable Energy Project Underwriting Registration; B12-1-S04 Directors & Officers (D&O) ESG Governance Coverage.

Compound identity. Entity / Audit-cycle level (180-day recurrence); Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref.

B12-2 RISK PROTECTION

150 E-IPP POINT · W_ESG 0.87 · 90D temporal MCP · B-MCP-90

Task purpose. Record verified risk-coverage and protection measures as evidence of insurance and resilience activities.

Evidence scope. B12-2 records implemented or activated risk-protection arrangements using attributable policy, operational-control or resilience-program evidence, including coverage scope, counterparty, effective period and supporting source. The task records the existence and execution of a governed protection measure; it does not establish that a future loss will be avoided or that insurance coverage is sufficient.

Applicable scenarios. B12-2-S01 Climate Physical Risk Mitigation Engineering Reviews; B12-2-S02 Occupational Health & Safety (EHS) Loss-Control Programs; B12-2-S03 Cyber & ESG Data Integrity Risk Protection; B12-2-S04 Supply Chain Business Interruption Resilience Planning.

Compound identity. Entity / Counterparty-relationship level (90-day recurrence); Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref.

Research Program: Evidence Infrastructure Research Series

B12-3 CLAIM VERIFICATION

200 E-IPP POINT · W_ESG 0.87 · 180D temporal MCP · B-MCP-180

Task purpose. Record insurance claim processing and verifications as Proof Records, ensuring transparency.

Evidence scope. B12-3 Claim Verification captures verified claim verification activities and converts insurance governance participation into reusable institutional evidence. Within this task, claim reviews, verification procedures, investigation workflows, settlement assessments and insurance governance activities function as verification objects.

Applicable scenarios. B12-3-S01 Green Rebuild & Sustainable Claims Settlement Verification; B12-3-S02 Parametric Climate Trigger & Payout Validation; B12-3-S03 Environmental Incident Remediation Claim Audits; B12-3-S04 Workplace Safety Incident & Recovery Verification.

Compound identity. Entity / Audit-cycle level (180-day recurrence); Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref.

B12-4 REINSURANCE COLLABORATION

200 E-IPP POINT · W_ESG 0.87 · 365D temporal MCP · B-MCP-365

Task purpose. Convert reinsurance agreements and ESG-related collaborations into Proof Records for auditability.

Evidence scope. B12-4 Reinsurance Collaboration captures verified reinsurance collaboration activities and converts institutional risk-sharing participation into reusable institutional evidence.

Applicable scenarios. B12-4-S01 Climate-Risk Reinsurance Treaty Collaboration; B12-4-S02 Catastrophe Bond (Cat Bond) & ILS Issuance Participation; B12-4-S03 Joint Insurer-Reinsurer ESG Underwriting Standards; B12-4-S04 Public-Private Climate Resilience Risk Pools.

Compound identity. Entity / Institutional-commitment level (365-day recurrence); Initiator EGC ID + Governance/Certifier ID + Product ID + SDGS Activity ID + Fiscal Year Ref.

B13 WASTE MANAGEMENT MODULE | 4 TASKS

B13-1 WASTE CLASSIFICATION & REPORTING

100 E-IPP POINT · W_ESG 0.78 · 30D temporal MCP · B-MCP-30

Task purpose. Convert waste classification and reporting activities into Proof Records for ESG disclosure.

Evidence scope. Within this task, waste categorization activities, reporting procedures, environmental recordkeeping workflows, waste inventory management processes and disclosure-related activities function as verification objects.

Applicable scenarios. B13-1-S01 Hazardous vs. Non-Hazardous Waste Stream Segregation; B13-1-S02 Smart IoT Bin & Weighbridge Waste Reporting; B13-1-S03 Electronic Waste (electronic-waste) Inventory Registration; B13-1-S04 Construction & Demolition (C&D) Waste Sorting Logs.

Compound identity. Entity / Transaction level (30-day recurrence); Initiator EGC ID + Facility ID + Product ID + SDGS Activity ID + Metering/Batch Ref.

Weight provenance. 0.78 is the inherited publisher-assigned task coefficient; no unsupported integer factor-triplet is asserted.

B13-2 RECYCLING TRACKING

150 E-IPP POINT · W_ESG 0.87 · 90D temporal MCP · B-MCP-90

Task purpose. Log recycling activities as Proof Records, ensuring material recovery is auditable.

Evidence scope. Within this task, recycling collection activities, material recovery processes, recycling reporting procedures, circular resource initiatives and recovery governance programs function as verification objects.

Applicable scenarios. B13-2-S01 Closed-Loop Industrial Scrap Recycling; B13-2-S02 Solvent, Chemical & Lubricant Distillation Recovery; B13-2-S03 Battery & Rare-Earth Material Recycling Execution; B13-2-S04 Post-Consumer Packaging Recovery & Baling.

Compound identity. Entity / Counterparty-relationship level (90-day recurrence); Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref.

B13-3 HARMLESS TREATMENT

200 E-IPP POINT · W_ESG 0.93 · 90D temporal MCP · B-MCP-90

Task purpose. Ensure hazardous waste treatment is converted into verifiable Proof Records.

Evidence scope. Records treatment and disposal of hazardous or regulated waste using manifests, process logs and completion evidence; it must not be mistaken for wastewater reuse or water-quality reporting.

Applicable scenarios. B13-3-S01 Hazardous-waste treatment records; B13-3-S02 Medical or biohazard sterilisation logs; B13-3-S03 Waste stabilisation or safe-disposal documentation.

Compound identity. Entity / Counterparty-relationship level (90-day recurrence); Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref.

B13-4 REUSE CERTIFICATION

150 E-IPP POINT · W_ESG 0.87 · 180D temporal MCP · B-MCP-180

Task purpose. Convert reuse and circular economy certifications into Proof Records; strengthen ESG transparency.

Evidence scope. Within this task, reuse verification activities, circular economy certification programs, remanufacturing governance initiatives, material life-extension activities and resource efficiency certification mechanisms function as verification objects.

Applicable scenarios. B13-4-S01 Zero-waste programme certification record; B13-4-S02 Product circularity and recycled-content certification documentation; B13-4-S03 Returnable transport-packaging system review; B13-4-S04 Remanufacturing or reuse certification record.

Compound identity. Entity / Audit-cycle level (180-day recurrence); Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref.

B14 SUSTAINABLE FINANCE GOVERNANCE MODULE | 4 TASKS

B14-1 ESG RISK GOVERNANCE FRAMEWORK

150 E-IPP POINT · W_ESG 0.87 · 365D temporal MCP · B-MCP-365

Task purpose. Establishment of ESG risk governance frameworks is Proof-logged, ensuring transparency and accountability in decision-making.

Evidence scope. Records approval and maintenance of institutional sustainability risk-governance documents, assigned roles, oversight decisions and periodic review events.

Applicable scenarios. B14-1-S01 Board-Level Sustainability & ESG Committee Chartering; B14-1-S02 Enterprise Risk Management (ERM) ESG Integration; B14-1-S03 Double Materiality Assessment (DMA) Execution; B14-1-S04 Executive ESG Compensation & Accountability Linking.

Compound identity. Entity / Institutional-commitment level (365-day recurrence); Initiator EGC ID + Governance/Certifier ID + Product ID + SDGS Activity ID + Fiscal Year Ref.

B14-2 GREEN ASSET ALLOCATION POLICY

200 E-IPP POINT · W_ESG 0.87 · 180D temporal MCP · B-MCP-180

Task purpose. Portfolio-level asset allocation policies for sustainable investments are Proof-logged to support governance and resource allocation.

Evidence scope. As sustainable finance evolves toward governance-driven capital allocation, B14-2 Green Asset Allocation Policy transforms verified sustainable investment allocation policies and portfolio governance activities into structured, identity-bound, and continuity-preserved Proof Records.

Applicable scenarios. B14-2-S01 Green asset-allocation policy adoption; B14-2-S02 Regional sustainable-activity eligibility screening; B14-2-S03 Portfolio exclusion and negative screening policy; B14-2-S04 Stewardship and voting-guideline implementation.

Compound identity. Entity / Audit-cycle level (180-day recurrence); Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref.

B14-3 NET-ZERO COMMITMENTS & ROADMAPS

200 E-IPP POINT · W_ESG 0.93 · 365D temporal MCP · B-MCP-365

Task purpose. Record institutional net-zero commitments, roadmap approvals, and related progress information as Proof Records.

Evidence scope. Records institutional net-zero commitments, roadmap approvals and milestone reporting as dated governance events. A recorded commitment does not itself demonstrate target achievement.

Applicable scenarios. B14-3-S01 Transition target commitment and milestone review; B14-3-S02 Climate transition plan publication; B14-3-S03 Internal carbon-pricing method adoption; B14-3-S04 Fleet and facility electrification milestones.

Compound identity. Entity / Institutional-commitment level (365-day recurrence); Initiator EGC ID + Governance/Certifier ID + Product ID + SDGS Activity ID + Fiscal Year Ref.

B14-4 INTERNAL CONTROL & AUDIT TRACKING

200 E-IPP POINT · W_ESG 0.87 · 180D temporal MCP · B-MCP-180

Task purpose. Internal control measures and audit outcomes are converted into Proof Records, forming a verifiable chain of governance evidence.

Evidence scope. Records internal-control design, testing, identified gaps, corrective actions and subsequent monitoring, without claiming a third party has provided assurance.

Applicable scenarios. B14-4-S01 Sustainability reporting internal-control testing; B14-4-S02 Audit-trail reconciliation and gap review; B14-4-S03 Corrective-action plan tracking; B14-4-S04 Recorded external review or restatement follow-up.

Compound identity. Entity / Audit-cycle level (180-day recurrence); Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref.

APPENDIX C. INTERNAL POINT / SCORE AND WEIGHTING REFERENCE

C.1 CORE TASK AND LEDGER RULES

Variable / event	Governing method
Task claim cost T	A: 20/30/50 IPP; B: 100/150/200 E-IPP; fixed per task ID/version.
Claim event	POINT after claim = POINT before claim − T; SCORE unchanged.
Approved completion	POINT credit +2T; SCORE increment +T; exactly once.
Net after completed claim	POINT net +T relative to pre-claim POINT; SCORE +T.
W_ESG	(CEF + SEF + IRF) / 15; assigned task display rounded/controlled to two decimals; preserve historical 0.78 exceptions as explicit fixed coefficients.
Annual personal IPP	R_IPP = max(170, min(0.10 × P, 500)); replacement, not additional allocation.
Annual enterprise E-IPP	R_EIPP = max(200, min(0.10 × P, 500)); replacement, not additional allocation.
SCORE	Cumulative eligible approved outcomes; no routine annual reset.
NTCC	Input handoff and calendar-year segregation only here; numerical conversion/aggregation specified by MWP02.

C.2 CALCULATION VERIFICATION EXAMPLES

Test	Expected output / reasoning
Weight (4, 4, 5)	(4+4+5)/15 = 13/15 ≈ 0.87 task display; exact raw ratio is preserved when represented.
Individual T = 20	170 POINT −20 +40 = 190 POINT; 170 SCORE +20 = 190 SCORE.
Enterprise T = 100	200 POINT −100 +200 = 300 POINT; 0 SCORE +100 = 100 SCORE.
Annual P = 1,200	Personal R_IPP = 170; enterprise R_EIPP = 200.
Annual P = 4,000	Personal R_IPP = 400; enterprise R_EIPP = 400.
Annual P = 8,000	Personal R_IPP = 500; enterprise R_EIPP = 500.

C.3 DISTINCT CYCLE BOUNDARIES

Personal POINT and enterprise POINT follow their applicable annual platform/Subscription cycles. NTCC follows its own Singapore-calendar-year index cycle. SCORE retains cumulative authorised activity history. No annual boundary deletes prior source, version, period, action, correction or non-recognition provenance.

APPENDIX D. 128-TASK TEMPORAL MCP GOVERNANCE MATRIX

This matrix assigns the temporal MCP for every sub-task in the MWP01 v4.0 whitelist. A task's complete key, its reference object and elapsed interval govern incremental recognition, not participant count. Task identities and task-purpose descriptions remain stable through the version history.

D.1 COMPLETE TASK-LEVEL PARAMETERS

Task ID	MCP	MCP code	Application level	Governed compound identity key
A01-1	30D	A-MCP-30	Participant-Entity / Campaign level (30-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref
A01-2	30D	A-MCP-30	Participant-Entity / Campaign level (30-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref
A01-3	14D	A-MCP-14	Participant-Entity / Event level (14-day recurrence)	Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref
A01-4	30D	A-MCP-30	Participant-Entity / Campaign level (30-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref
A02-1	30D	A-MCP-30	Participant-Entity / Campaign level (30-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref
A02-2	14D	A-MCP-14	Participant-Entity / Event level (14-day recurrence)	Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref
A02-3	30D	A-MCP-30	Participant-Entity / Campaign level (30-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref
A02-4	30D	A-MCP-30	Participant-Entity / Campaign level (30-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref

Task ID	MCP	MCP code	Application level	Governed compound identity key
A03-1	30D	A-MCP-30	Participant-Entity / Campaign level (30-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref
A03-2	14D	A-MCP-14	Participant-Entity / Event level (14-day recurrence)	Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref
A03-3	14D	A-MCP-14	Participant-Entity / Event level (14-day recurrence)	Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref
A03-4	30D	A-MCP-30	Participant-Entity / Campaign level (30-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref
A04-1	14D	A-MCP-14	Participant-Entity / Event level (14-day recurrence)	Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref
A04-2	30D	A-MCP-30	Participant-Entity / Campaign level (30-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref
A04-3	30D	A-MCP-30	Participant-Entity / Campaign level (30-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref
A04-4	30D	A-MCP-30	Participant-Entity / Campaign level (30-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref
A05-1	14D	A-MCP-14	Participant-Entity / Event level (14-day recurrence)	Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref
A05-2	14D	A-MCP-14	Participant-Entity / Event level (14-day recurrence)	Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref
A05-3	30D	A-MCP-30	Participant-Entity / Campaign level (30-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref
A05-4	30D	A-MCP-30	Participant-Entity / Campaign level (30-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref
A06-1	14D	A-MCP-14	Participant-Entity / Event level (14-day recurrence)	Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref

Task ID	MCP	MCP code	Application level	Governed compound identity key
A06-2	7D	A-MCP-7	Participant-Entity / Campaign level (7-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref
A06-3	7D	A-MCP-7	Participant-Entity / Campaign level (7-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref
A06-4	30D	A-MCP-30	Participant-Entity / Campaign level (30-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref
A07-1	30D	A-MCP-30	Participant-Entity / Campaign level (30-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref
A07-2	14D	A-MCP-14	Participant-Entity / Event level (14-day recurrence)	Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref
A07-3	30D	A-MCP-30	Participant-Entity / Campaign level (30-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref
A07-4	30D	A-MCP-30	Participant-Entity / Campaign level (30-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref
A08-1	7D	A-MCP-7	Participant-Entity / Campaign level (7-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref
A08-2	14D	A-MCP-14	Participant-Entity / Event level (14-day recurrence)	Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref
A08-3	14D	A-MCP-14	Participant-Entity / Event level (14-day recurrence)	Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref
A08-4	14D	A-MCP-14	Participant-Entity / Event level (14-day recurrence)	Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref
A08-5	14D	A-MCP-14	Participant-Entity / Event level (14-day recurrence)	Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref
A08-6	7D	A-MCP-7	Participant-Entity / Campaign level (7-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref
A08-7	7D	A-MCP-7	Participant-Entity / Campaign level (7-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref
A08-8	30D	A-MCP-30	Participant-Entity / Campaign level (30-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref

Task ID	MCP	MCP code	Application level	Governed compound identity key
A08-9	14D	A-MCP-14	Participant-Entity / Event level (14-day recurrence)	Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref
A08-10	30D	A-MCP-30	Participant-Entity / Campaign level (30-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref
A08-11	30D	A-MCP-30	Participant-Entity / Campaign level (30-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref
A08-12	30D	A-MCP-30	Participant-Entity / Campaign level (30-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref
A09-1	30D	A-MCP-30	Participant-Entity / Campaign level (30-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref
A09-2	14D	A-MCP-14	Participant-Entity / Event level (14-day recurrence)	Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref
A09-3	30D	A-MCP-30	Participant-Entity / Campaign level (30-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref
A09-4	7D	A-MCP-7	Participant-Entity / Campaign level (7-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref
A10-1	30D	A-MCP-30	Participant-Entity / Campaign level (30-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref
A10-2	14D	A-MCP-14	Participant-Entity / Event level (14-day recurrence)	Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref
A10-3	14D	A-MCP-14	Participant-Entity / Event level (14-day recurrence)	Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref
A10-4	30D	A-MCP-30 / B-MCP-30 (Cross-Pathway)	Participant-Entity / Return-station level (30-day gate)	Individual UID + Station EGC ID + Product ID + SDGS Activity ID + Return Batch Ref

Task ID	MCP	MCP code	Application level	Governed compound identity key
A11-1	30D	A-MCP-30	Participant-Entity / Campaign level (30-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref
A11-2	14D	A-MCP-14	Participant-Entity / Event level (14-day recurrence)	Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref
A11-3	14D	A-MCP-14	Participant-Entity / Event level (14-day recurrence)	Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref
A11-4	14D	A-MCP-14	Participant-Entity / Event level (14-day recurrence)	Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref
A12-1	14D	A-MCP-14	Participant-Entity / Event level (14-day recurrence)	Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref
A12-2	30D	A-MCP-30	Participant-Entity / Campaign level (30-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref
A12-3	14D	A-MCP-14	Participant-Entity / Event level (14-day recurrence)	Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref
A12-4	30D	A-MCP-30	Participant-Entity / Campaign level (30-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref
A13-1	30D	A-MCP-30	Participant-Entity / Campaign level (30-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref
A13-2	14D	A-MCP-14	Participant-Entity / Event level (14-day recurrence)	Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref
A13-3	14D	A-MCP-14	Participant-Entity / Event level (14-day recurrence)	Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref
A13-4	30D	A-MCP-30	Participant-Entity / Campaign level (30-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref
A14-1	7D	A-MCP-7	Participant-Entity / Campaign level (7-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref
A14-2	7D	A-MCP-7	Participant-Entity / Campaign level (7-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref
A14-3	7D	A-MCP-7	Participant-Entity / Campaign level (7-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref

Task ID	MCP	MCP code	Application level	Governed compound identity key
A14-4	30D	A-MCP-30	Participant-Entity / Campaign level (30-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref
A15-1	14D	A-MCP-14	Participant-Entity / Event level (14-day recurrence)	Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref
A15-2	14D	A-MCP-14	Participant-Entity / Event level (14-day recurrence)	Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref
A15-3	14D	A-MCP-14	Participant-Entity / Event level (14-day recurrence)	Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref
A15-4	30D	A-MCP-30	Participant-Entity / Campaign level (30-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref
A16-1	30D	A-MCP-30	Participant-Entity / Campaign level (30-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref
A16-2	14D	A-MCP-14	Participant-Entity / Event level (14-day recurrence)	Individual UID + Initiator EGC ID + Product ID + SDGS Activity ID + Event Ref
A16-3	30D	A-MCP-30	Participant-Entity / Campaign level (30-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref
A16-4	30D	A-MCP-30	Participant-Entity / Campaign level (30-day recurrence)	Individual UID + Host EGC ID + Product ID + SDGS Activity ID + Campaign Ref
B01-1	90D	B-MCP-90	Entity / Counterparty-relationship level (90-day recurrence)	Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref
B01-2	90D	B-MCP-90	Entity / Counterparty-relationship level (90-day recurrence)	Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref
B01-3	180D	B-MCP-180	Entity / Audit-cycle level (180-day recurrence)	Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref
B01-4	180D	B-MCP-180	Entity / Audit-cycle level (180-day recurrence)	Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref

Task ID	MCP	MCP code	Application level	Governed compound identity key
B02-1	90D	B-MCP-90	Entity / Counterparty-relationship level (90-day recurrence)	Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref
B02-2	180D	B-MCP-180	Entity / Audit-cycle level (180-day recurrence)	Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref
B02-3	90D	B-MCP-90	Entity / Counterparty-relationship level (90-day recurrence)	Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref
B02-4	180D	B-MCP-180	Entity / Audit-cycle level (180-day recurrence)	Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref
B03-1	180D	B-MCP-180	Entity / Audit-cycle level (180-day recurrence)	Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref
B03-2	180D	B-MCP-180	Entity / Audit-cycle level (180-day recurrence)	Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref
B03-3	365D	B-MCP-365	Entity / Institutional-commitment level (365-day recurrence)	Initiator EGC ID + Governance/Certifier ID + Product ID + SDGS Activity ID + Fiscal Year Ref
B03-4	90D	B-MCP-90	Entity / Counterparty-relationship level (90-day recurrence)	Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref
B04-1	90D	B-MCP-90	Entity / Counterparty-relationship level (90-day recurrence)	Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref
B04-2	90D	B-MCP-90	Entity / Counterparty-relationship level (90-day recurrence)	Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref
B04-3	30D	B-MCP-30	Entity / Transaction level (30-day recurrence)	Initiator EGC ID + Facility ID + Product ID + SDGS Activity ID + Metering/Batch Ref
B04-4	180D	B-MCP-180	Entity / Audit-cycle level (180-day recurrence)	Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref
B05-1	180D	B-MCP-180	Entity / Audit-cycle level (180-day recurrence)	Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref
B05-2	30D	B-MCP-30	Entity / Transaction level (30-day recurrence)	Initiator EGC ID + Facility ID + Product ID + SDGS Activity ID + Metering/Batch Ref

Task ID	MCP	MCP code	Application level	Governed compound identity key
B05-3	90D	B-MCP-90	Entity / Counterparty-relationship level (90-day recurrence)	Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref
B05-4	90D	B-MCP-90	Entity / Counterparty-relationship level (90-day recurrence)	Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref
B06-1	90D	B-MCP-90	Entity / Counterparty-relationship level (90-day recurrence)	Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref
B06-2	180D	B-MCP-180	Entity / Audit-cycle level (180-day recurrence)	Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref
B06-3	180D	B-MCP-180	Entity / Audit-cycle level (180-day recurrence)	Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref
B06-4	90D	B-MCP-90	Entity / Counterparty-relationship level (90-day recurrence)	Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref
B07-1	180D	B-MCP-180	Entity / Audit-cycle level (180-day recurrence)	Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref
B07-2	90D	B-MCP-90	Entity / Counterparty-relationship level (90-day recurrence)	Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref
B07-3	90D	B-MCP-90	Entity / Counterparty-relationship level (90-day recurrence)	Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref
B07-4	180D	B-MCP-180	Entity / Audit-cycle level (180-day recurrence)	Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref
B08-1	90D	B-MCP-90	Entity / Counterparty-relationship level (90-day recurrence)	Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref
B08-2	90D	B-MCP-90	Entity / Counterparty-relationship level (90-day recurrence)	Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref

Task ID	MCP	MCP code	Application level	Governed compound identity key
B08-3	180D	B-MCP-180	Entity / Audit-cycle level (180-day recurrence)	Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref
B08-4	180D	B-MCP-180	Entity / Audit-cycle level (180-day recurrence)	Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref
B09-1	180D	B-MCP-180	Entity / Audit-cycle level (180-day recurrence)	Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref
B09-2	90D	B-MCP-90	Entity / Counterparty-relationship level (90-day recurrence)	Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref
B09-3	90D	B-MCP-90	Entity / Counterparty-relationship level (90-day recurrence)	Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref
B09-4	180D	B-MCP-180	Entity / Audit-cycle level (180-day recurrence)	Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref
B10-1	30D	B-MCP-30	Entity / Transaction level (30-day recurrence)	Initiator EGC ID + Facility ID + Product ID + SDGS Activity ID + Metering/Batch Ref
B10-2	180D	B-MCP-180	Entity / Audit-cycle level (180-day recurrence)	Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref
B10-3	180D	B-MCP-180	Entity / Audit-cycle level (180-day recurrence)	Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref
B10-4	365D	B-MCP-365	Entity / Institutional-commitment level (365-day recurrence)	Initiator EGC ID + Governance/Certifier ID + Product ID + SDGS Activity ID + Fiscal Year Ref
B11-1	180D	B-MCP-180	Entity / Audit-cycle level (180-day recurrence)	Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref
B11-2	180D	B-MCP-180	Entity / Audit-cycle level (180-day recurrence)	Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref
B11-3	90D	B-MCP-90	Entity / Counterparty-relationship level (90-day recurrence)	Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref
B11-4	90D	B-MCP-90	Entity / Counterparty-relationship level (90-day recurrence)	Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref
B12-1	180D	B-MCP-180	Entity / Audit-cycle level (180-day recurrence)	Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref

Task ID	MCP	MCP code	Application level	Governed compound identity key
B12-2	90D	B-MCP-90	Entity / Counterparty-relationship level (90-day recurrence)	Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref
B12-3	180D	B-MCP-180	Entity / Audit-cycle level (180-day recurrence)	Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref
B12-4	365D	B-MCP-365	Entity / Institutional-commitment level (365-day recurrence)	Initiator EGC ID + Governance/Certifier ID + Product ID + SDGS Activity ID + Fiscal Year Ref
B13-1	30D	B-MCP-30	Entity / Transaction level (30-day recurrence)	Initiator EGC ID + Facility ID + Product ID + SDGS Activity ID + Metering/Batch Ref
B13-2	90D	B-MCP-90	Entity / Counterparty-relationship level (90-day recurrence)	Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref
B13-3	90D	B-MCP-90	Entity / Counterparty-relationship level (90-day recurrence)	Initiator EGC ID + Counterparty EGC ID + Product ID + SDGS Activity ID + Quarter Ref
B13-4	180D	B-MCP-180	Entity / Audit-cycle level (180-day recurrence)	Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref
B14-1	365D	B-MCP-365	Entity / Institutional-commitment level (365-day recurrence)	Initiator EGC ID + Governance/Certifier ID + Product ID + SDGS Activity ID + Fiscal Year Ref
B14-2	180D	B-MCP-180	Entity / Audit-cycle level (180-day recurrence)	Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref
B14-3	365D	B-MCP-365	Entity / Institutional-commitment level (365-day recurrence)	Initiator EGC ID + Governance/Certifier ID + Product ID + SDGS Activity ID + Fiscal Year Ref
B14-4	180D	B-MCP-180	Entity / Audit-cycle level (180-day recurrence)	Initiator EGC ID + Auditor/Counterparty EGC ID + Product ID + SDGS Activity ID + Audit Ref

D.2 BINDING, VERSION AND CORRECTION RULE

At recognition time, resolve the task ID and version, actor/entity pair, Activity ID, and the task-specific reference (event, campaign, return batch, quarter, audit, transaction or fiscal year). Compare against the last eligible recognised occurrence for that complete relationship. The governed temporal period starts from the recognised event as specified by the applicable task rule. The record must retain its actual method/parameter version and the result of the elapsed-period test.

Nine seven-day entries use an exact seven-day recurrence despite their campaign reference key. The campaign reference identifies the continuity context; it does not turn their duration into a monthly gate. A10-4 uses a return-station and return-batch relationship. New stations or batch labels do not bypass identity and duplicate controls.

A versioned change in any duration, level or compound key changes prospective eligibility only under its new effective rule. Previously generated records retain the method, timing and authority applicable when recognised.