

# R-SUB: Submission Rules

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## Submission Rules

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These rules govern what constitutes a valid data submission. All three must pass before a submission enters the pending-validation queue.

### R-SUB-01 SHACL Validation Required

Every submission must pass the `cth:FieldDataQuality` SHACL shape before entering the validation queue. Submissions that fail are rejected at ingestion with a machine-readable error payload.

**Implementation:** OPA policy `submit.rego` calls the SHACL validator endpoint synchronously. Rejection codes returned as JSON-LD `ValidationReport`.

### R-SUB-02 FPIC Mandatory for Indigenous Territory

Any parcel whose GPS centroid intersects an officially recognised indigenous territory or Afro-Colombian collective territory requires a valid `cth:FPICCredential` signed by the Community Sovereign before submission is accepted.

**Implementation:** Postgis `ST_Within()` check against `territorial_boundaries` table at ingestion. Row-level security blocks write if FPIC credential not present in JWT claims.

### R-SUB-03 Methodology Declaration Required

Submitter must declare which measurement methodology was used (e.g. KoboToolbox GPS v2.3, Planet NDVI mosaic 2025-Q4, manual tape survey). Methodology ID must resolve to a registered entry in `cth_methodology_registry`.

**Implementation:** Foreign key constraint on `submissions.methodology_id`. Validator accreditation scope is checked against methodology type.

?? These three rules compose: a submission must pass ALL of R-SUB-01, R-SUB-02, and R-SUB-03 simultaneously. Partial compliance is not accepted.

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