DraftVerify Standard v2.0

Operational Integrity & Identity Framework for Non-Alcoholic Draft Systems
Issued **January 2026**

standards@draftverify.com

Foreword: About DraftVerify

DraftVerify was established to create a globally recognized standard for the safe, accurate, and transparent dispensing of non-alcoholic beverages through draft systems. As the non-alcoholic category expands, the operational risks increase: cross-contact, misidentification, system confusion, and shared infrastructure that was never designed for split alcoholic/NA service.

DraftVerify Standard v2.0 represents the first complete operational, physical, and digital standard for non-alcoholic draft systems. This document unifies identification architecture, contamination prevention, verification protocol, traceability, and digital registry into a single, authoritative framework for breweries, distributors, installers, venues, and auditors.

This is not a “best practice guide.”
This is a **standard** — defining what must be true for a system to be recognized as safely dispensing non-alcoholic beverages.

1. Purpose

The DraftVerify Standard defines the mandatory requirements for the safe, contamination-free, and correctly identified dispensing of non-alcoholic (NA) beverages via draft systems. It establishes:

- The Identity Architecture for NA draft components
- Operational controls preventing ethanol cross-contact
- Verification and audit procedures
- Digital registry requirements for traceability
- Tag serialization and identification rules

2. Scope

This standard applies to:

- All draft systems that dispense beverages ≤0.5% ABV
- All mixed environments where alcoholic and non-alcoholic drafts coexist
- Installers, distributors, and venues handling NA kegs
- Temporary and mobile draft systems (events, festivals, portable towers)

This standard does **not** apply to brewing, formulation, or regulatory classification of beverages.

3. Definitions (F-2)

Non-Alcoholic (NA): Beverage ≤0.5% ABV or local threshold.
Cross-Contact: Introduction of ethanol-bearing liquid, vapor, or residue into NA pathways.
Identification Architecture: The structured system of visual, digital, and serialized identifiers assigned to NA components.
Serialized Tag: Unique identifier (DV-SITE-YYYY-####) issued to a verified connection point.
Verification: Formal process confirming conformance to this standard.
Registry: Digital record of all verified NA systems, tags, modifications, and renewal status.
Major Non-Conformity: Any state posing immediate risk of alcoholic contamination.
Minor Non-Conformity: Documentation or identification issue without active contamination risk.

4. Core Principles

4.1 Separation

NA pathways must be physically and operationally isolated from alcoholic pathways.

4.2 Identification

NA components must be permanently and visibly distinguished using the DraftVerify Identity Architecture.

4.3 Verification

Conformance must be provable via logs, tags, and digital registry entries.

4.4 Traceability

Every NA draft point must have a serialized, discoverable identity.

4.5 Education

All staff must understand NA integrity requirements.

5. Identity Architecture (F-3)

DraftVerify defines a complete identity schema for NA draft systems:

5.1 Component Identity Fields

Each NA system must define:

- System ID
- Line ID
- Coupler ID
- Tower/Tap ID
- Gas Path ID
- Verification Status

5.2 Required Identification Elements

- **Serialized Tag** at coupler
- **Tap Identification** at point of dispense
- **Line Identification** at key access points
- **Digital Identity** in DraftVerify registry

No specific colors are mandated; the system must be permanent, visible, and unambiguous.

5.3 Identity Permanence

All identifiers must withstand:

- Cleaning chemicals

- Refrigeration temps
- Tapping/untapping handling
- Routine maintenance

If removed or damaged, re-verification is required.

6. Risk Profile (F-4)

DraftVerify recognizes five contamination vectors:

Level 1 — Direct Fluid Crossover (Highest Risk)

Shared or reused alcoholic lines, connectors, or couplers.

Level 2 — Gas-Side Alcohol Migration

Backflow or shared gas manifolds allowing migration of ethanol vapor or residue.

Level 3 — Tower/Manifold Contamination

Shared towers where alcoholic and NA lines cross at manifolds.

Level 4 — Environmental & Surface Alcohol Contact

Residues from spills, rinsing, or cleaning creating ethanol presence.

Level 5 — Chemical or Cleaning Fluid Cross-Use

Use of cleaning systems that share alcoholic and NA pathways.

Conformance requires mitigating all five levels.

7. System Identification Requirements

7.1 Serialized Tag Requirements (F-5)

Serialized tag format:
DV-SITE-YYYY-#####

Each tag must include:

- Unique serial
- Verification year
- Registered site identity
- QR link to registry entry

7.2 Placement

Tags are affixed to:

- NA coupler **(required)**
- Secondary tag at tower/tap **(recommended)**

7.3 Physical Identification

Operators must maintain:

- Written identification plan
- Clear labeling preventing line crossover
- Documentation for staff reference

8. Physical Separation & Contamination Prevention

8.1 Line Integrity

NA lines may not be reused for alcoholic products unless:

- Fully replaced
  or
- Passed a full re-verification including ethanol detection tests

8.2 Gas Integrity

Gas systems must prevent backflow via:

- Check valves
- Dedicated regulators/manifolds
- Documented configuration

8.3 Cleaning Integrity

Cleaning processes must:

- Prevent cleaning fluid crossover
- Use dedicated or validated procedures
- Avoid shared alcoholic chemical lines

8.4 Tower/Manifold Controls

Shared towers must implement:

- Physical manifold isolation
- Or procedure-based segregation
- Documented sign-off

9. Handling & Storage (Cold Chain)

- Store NA kegs ≤4 °C
- Consume tapped kegs within 1–2 weeks
- Never store NA kegs in alcohol-contaminated environments
- Maintain logs of all keg movements

10. Verification Protocol (F-6 / F-7)

Verification occurs at three points:

10.1 Initial Verification

Includes:

- Identity creation
- Tag issuance
- Physical and operational compliance review
- Registry entry creation

10.2 Annual Renewal

- Reassessment of identification, logs, and handling
- Confirmation that no system changes occurred without review
- Renewal of registry status

10.3 Post-Modification Verification

Triggered by:

- Line changes
- Tower changes
- Gas configuration changes
- Cleaning process changes
- Any suspected contamination incident

Renewal is **mandatory**.

11. Field Testing Requirements

Field testing may include:

11.1 Ethanol Detection

- Rinse-through sampling
- Enzymatic ethanol test
- Spectrometric verification

Requirement: **“Not Detected.”**

11.2 Hygiene Testing

- ATP swabs
- Tower surface checks

These tests support cleanliness but do not replace ethanol detection.

12. Documentation & Recordkeeping

Operators must maintain:

- **Verification Record**
- **Identification Plan**
- **Change Log**
- **Cleaning Log**
- **Keg Handling Log**
- **Gas Configuration Log**

Records must be accessible to verifiers at all times.

---

13. Registry Model & Digital Verification

13.1 Required Data Fields

Each registry entry must include:

- Venue identity
- System identity
- Tag serial
- Verification date
- Renewal due date
- Verification status (Active/Suspended/Pending/Archived)
- Modification history

13.2 Public vs Private Fields

Public:

- Tag serial
- Verification status

Private:

- Contact information
- Internal notes
- Operator documentation

13.3 QR Lookup

Every serialized tag must resolve to:

- Verification status
- Last verification date
- Serial number confirmation

14. Roles & Responsibilities

Operators: Maintain system integrity, logs, and identification.
Installers/Distributors: Support correct setup and handling practices.
Verifiers: Conduct audits, issue tags, maintain digital records.

15. Conformance Assessment

15.1 Major Non-Conformities

- Shared or reused alcoholic pathways
- Missing or incorrect serialized tag
- Gas system migration risk
- Cleaning crossover risk
- Manifold contamination risk

Zero Major NCs allowed.

15.2 Minor Non-Conformities

- Documentation lapses
- Faded labels
- Incomplete logs

Must be corrected within **30 days**.

16. Use of Mark

Only systems with:

- Active verification
- Valid tag
- Current registry entry

may display the **DraftVerify Certified** mark.

Misuse may result in:

- Tag revocation
- Registry suspension
- Public compliance notice

17. Incident Response & Corrective Action

If contamination is suspected:

1. Isolate NA tap immediately
2. Document incident
3. Perform ethanol testing
4. Conduct corrective actions
5. Undergo re-verification

System remains suspended until compliance is restored.

18. Change Management

18.1 Planned Changes

Must be reviewed before implementation.

18.2 Unplanned Changes

Must be logged within 24 hours and trigger verification.

---

19. Temporary & Mobile Systems

Applies to:

- Events
- Festivals
- Jockey boxes
- Portable towers

Must meet:

- Full identification
- Full separation controls
- Re-verification post-event

20. Revision Policy

This document is reviewed annually.

Submit proposed amendments to:
standards@draftverify.com

Updates supersede prior versions upon publication.

Public Reference Statement

This standard may be referenced or cited publicly with attribution to DraftVerify.

Legal Notice & Copyright

Disclaimer of Liability

DraftVerify is not responsible for damages resulting from misuse of this standard.
Compliance does not guarantee regulatory approval or eliminate all risks.