Marti Contribution Table and Schema Document (Version 1.0)

Subtitle: Structuring Contributions within the MARTI Framework
Last edited: Carrie Bickner. Nov 13, 2024 6:45 PM EST

1. Introduction

This document outlines the structure of the contribution table and schema used in MARTI (Metadata for AI Responsibility, Transparency, and Integrity). The contribution table serves as a core element within MARTI, capturing detailed records of each contributor's role, intellectual responsibility, and hierarchical relationships within collaborative projects. By maintaining a structured schema, MARTI ensures accurate and consistent documentation of both individual and collaborative contributions to AI-generated outputs.

2. Contribution Table Structure

The contribution table in MARTI is designed to record the following key elements:
- **Contributor Name**: The full name of each contributor, providing clear attribution.
- **Role**: The specific role held by each contributor (e.g., Conceptual Architect, Content Creator, Metadata Specialist).
- **Primary Agent**: Identifies the individual or entity with intellectual responsibility for the project. This role holds primary accountability for the creation, accuracy, and oversight of the AI-generated output.
- **Agent Type**: Specifies whether the contributor is an individual, group, or corporate entity, ensuring compliance with copyright requirements.
- **Order of Responsibility**: Establishes a hierarchy or sequence of contributions when multiple contributors are involved, prioritizing the primary agent.
- **Contribution Description**: A brief description of the contributor's specific contributions or expertise brought to the project.
- **Date of Contribution**: The date when the contribution was made or documented, supporting chain-of-custody tracking.

3. Schema Fields for Contributions

The MARTI contribution schema is composed of the following metadata fields, ensuring clarity and consistency in contributor documentation:
- **Contributor_ID**: A unique identifier assigned to each contributor, supporting traceability across multiple projects.
- **Primary_Agent**: A binary field (Yes/No) indicating if the contributor holds intellectual

responsibility for the project.
- **Agent_Type**: A controlled vocabulary field specifying whether the contributor is an individual, group, or corporate entity.
- **Role**: A field specifying the contributor's role, with options drawn from MARTI's standardized list of roles.
- **Order_of_Responsibility**: A numerical field indicating the contributor's position in the hierarchy of responsibility.
- **Contribution_Description**: A free-text field for describing the nature of each contribution.
- **Contribution_Date**: A date field capturing the timestamp of the contribution.

4. Hierarchical and Collaborative Relationships

MARTI's contribution table supports both hierarchical and collaborative relationships among contributors:
- **Hierarchical Structure**: When contributions follow a sequential or prioritized order, the table captures these relationships to clarify the flow of responsibility.
- **Collaborative Links**: In cases of concurrent roles, the table includes links that connect contributors working on shared tasks, establishing transparency in group efforts.
- **Dependency Tracking**: If a contributor's work depends on prior contributions, this is indicated within the table, helping users trace interdependencies among roles.

5. Intellectual Responsibility

Intellectual responsibility is central to the MARTI contribution table. The primary agent, designated within the **Primary Agent** field, bears accountability for the integrity, quality, and accuracy of the documented work. Intellectual responsibility ensures that contributions align with MARTI's standards for accuracy, ethical integrity, and quality.

In line with copyright law, intellectual responsibility is attributed only to human or corporate entities, ensuring that all content eligible for copyright adheres to legal standards. This binary distinction aligns with C2PA guidelines, providing clarity around authorship in AI-generated outputs.

6. Quality Standards for Contributions

MARTI establishes high standards for contribution quality, requiring:
- **Accuracy**: All contributor information must be correct and verifiable.
- **Consistency**: Formatting, terminology, and role assignments follow MARTI's standardized schema to prevent ambiguity.
- **Completeness**: All relevant fields in the contribution table should be populated to ensure full documentation of each contributor's role and responsibility.

7. Future Considerations and Versioning

As MARTI evolves, the contribution table and schema will be reviewed periodically to incorporate emerging roles and complexities in AI-related projects. Each version update will be accompanied by a versioning record, ensuring transparency in MARTI's metadata structure and standards.

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MARTI Metadata Record: Contribution Table and Schema Document
(Version 1.0, Edited)

1. Record ID: MARTI_CONTRIBUTION_TABLE_SCHEMA_1_0_EDITED

2. Title: MARTI Contribution Table and Schema Document

3. Version: 1.0 (Edited)

4. Author/Contributor:
   - Primary Agent: Carrie Bickner
   - Conceptual Architect: Carrie Bickner
   - Original Draft: ChatGPT (Orla)
   - Edited by: Carrie Bickner

5. Date of Version: November 13, 2024

6. Purpose: To define the structure and schema for documenting
contributions in MARTI, establishing clear standards for
recording roles, intellectual responsibility, and collaborative
relationships within projects.

7. Core Changes:
   - Minor edits to refine language, clarify intellectual
responsibility, and ensure alignment with MARTI's metadata
standards.

8. Chain of Custody:
   - Version 1.0: Created by ChatGPT (Orla) on November 13, 2024.
   - Version 1.0 (Edited): Edited by Carrie Bickner on November
13, 2024.

9. Provenance: This record captures the initial structure for
contributions within MARTI, with light edits to improve clarity
and compliance with MARTI's principles of intellectual
responsibility and traceability.
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10. Summary:
The Contribution Table and Schema Document provides a structured
approach to recording contributions in MARTI, detailing
role-specific responsibilities, hierarchy, and collaborative
relationships. This document supports MARTI's commitment to
consistent documentation and accountability, with fields for
intellectual responsibility and compliance with legal standards.