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Traceability Claims
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Abstract

This document defines claims to support traceability of physical goods across supply chains, focusing on items such as bills of lading, transport modes, and container manifests. These claims standardize the encoding of essential logistics and transport metadata, facilitating enhanced transparency and accountability in global supply chains. These claims are registered for use in both CBOR Web Tokens (CWTs) and JSON Web Tokens (JWTs).

About This Document

This note is to be removed before publishing as an RFC.

The latest revision of this draft can be found at <https://mprorock.github.io/draft-prorock-spice-cwt-traceability-claims/draft-prorock-spice-cwt-traceability-claims.html>. Status information for this document may be found at <https://datatracker.ietf.org/doc/draft-prorock-spice-cwt-traceability-claims/>.

Discussion of this document takes place on the Secure Patterns for Internet CrEentials Working Group mailing list (<mailto:spice@ietf.org>), which is archived at <https://mailarchive.ietf.org/arch/browse/spice/>. Subscribe at <https://www.ietf.org/mailman/listinfo/spice/>.

Source for this draft and an issue tracker can be found at <https://github.com/mprorock/draft-prorock-spice-cwt-traceability-claims>.

Status of This Memo

This Internet-Draft is submitted in full conformance with the provisions of BCP 78 and BCP 79.

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1. Introduction

This document defines a set of claims intended to enable the traceability of physical goods across various stages of transportation and storage. These claims capture critical information necessary for documenting the movement of goods in supply chains, thereby supporting regulatory compliance and operational efficiency. These claims are defined for both CBOR Web Tokens (CWTs) [RFC8392] and JSON Web Tokens (JWTs) [RFC7519].

These claims are informed by the following documents, among others: ACE Automated Broker Interface (ABI) CBP and Trade Automated Interface Requirements (CATAIR) [CATAIR], Integrated Track and Trace for Multi-Modal Transportation [TrackTrace], and Traceability Vocabulary v1.0: A vocabulary for traceability in supply chains [TraceabilityVocab].

Some claims below utilize GLUE Identifiers [GLUE].

2. Conventions and Definitions

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "NOT RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in BCP 14 [RFC2119] [RFC8174] when, and only when, they appear in all capitals, as shown here.

3. Example

Product Information Example JWT Claims Set:

```
{
  "commodity_description": "Organic Blueberries, 12 oz containers",
  "product_id": "nb-blueberries-001",
  "country_of_origin": "CA",
  "hs_code": "0810.40.0026",
  "gross_weight": 5050,
  "min_temperature": 1,
  "max_temperature": 3.5,
  "customs_value": 83335,
  "currency_code": "USD",
  "legal_jurisdictions": ["US", "CA"],
  "regulatory_compliance_codes": [
    "USCOEA",
    "CFIA-PhytoCert",
    "FDA-FSVP-Compliant"
  ]
}
```

4. Security Considerations

These claims are designed to enhance transparency in supply chain tracking but should be handled securely to prevent unauthorized access to sensitive data. Confidentiality and integrity of these claims must be considered, particularly when shared across untrusted or unsecured networks. Use of selective disclosure techniques and careful consideration of data minimization requirements SHOULD be considered when using these claims.

5. IANA Considerations

5.1. CBOR Web Token (CWT) Claims

This specification registers the following claims in the IANA "CBOR Web Token (CWT) Claims" registry [IANA.CWT] established by [RFC8392].

5.1.1. Goods Identifier

- * Claim Name: product_id
- * Claim Description: A unique identifier for the physical product(s) or shipment being tracked. May correspond to SKU, product ID, or batch number.
- * JWT Claim Name: product_id

- * Claim Key: TBD (requested assignment 320)
- * Claim Value Type: text string
- * Change Controller: IETF
- * Reference: Section 5.1.1 of this specification

5.1.2. Shipment ID

- * Claim Name: shipment_id
- * Claim Description: Unique identifier assigned to a specific shipment.
- * JWT Claim Name: shipment_id
- * Claim Key: TBD (requested assignment 321)
- * Claim Value Type: text string
- * Change Controller: IETF
- * Reference: Section 5.1.2 of this specification

5.1.3. Bill of Lading Number

- * Claim Name: bill_of_lading_number
- * Claim Description: Identifier for the bill of lading associated with the goods.
- * JWT Claim Name: bill_of_lading_number
- * Claim Key: TBD (requested assignment 322)
- * Claim Value Type: text string
- * Change Controller: IETF
- * Reference: Section 5.1.3 of this specification

5.1.4. Transport Mode

- * Claim Name: transport_mode
- * Claim Description: Mode of transport used for the shipment.
(Recommended values: "air", "sea", "rail", "truck")

- * JWT Claim Name: transport_mode
- * Claim Key: TBD (requested assignment 323)
- * Claim Value Type: text string
- * Change Controller: IETF
- * Reference: Section 5.1.4 of this specification

5.1.5. Container ID

- * Claim Name: container_id
- * Claim Description: Unique identifier for the container used in the shipment.
- * JWT Claim Name: container_id
- * Claim Key: TBD (requested assignment 324)
- * Claim Value Type: text string
- * Change Controller: IETF
- * Reference: Section 5.1.5 of this specification

5.1.6. Origin Location

- * Claim Name: origin_location
- * Claim Description: Geographical origin of the goods, represented as an [ISO.3166] alpha-2 country code string or specific address
- * JWT Claim Name: origin_location
- * Claim Key: TBD (requested assignment 325)
- * Claim Value Type: text string
- * Change Controller: IETF
- * Reference: Section 5.1.6 of this specification

5.1.7. Destination Location

- * Claim Name: destination_location

- * Claim Description: Final destination of the goods in the shipment.
- * JWT Claim Name: destination_location
- * Claim Key: TBD (requested assignment 326)
- * Claim Value Type: text string
- * Change Controller: IETF
- * Reference: Section 5.1.7 of this specification

5.1.8. Carrier ID

- * Claim Name: carrier_id
- * Claim Description: Identifier for the carrier or logistics provider responsible for the shipment.
- * JWT Claim Name: carrier_id
- * Claim Key: TBD (requested assignment 327)
- * Claim Value Type: text string
- * Change Controller: IETF
- * Reference: Section 5.1.8 of this specification

5.1.9. Estimated Delivery Date

- * Claim Name: estimated_delivery_date
- * Claim Description: Expected delivery date for the shipment, represented as an [ISO.8601] date and time string
- * JWT Claim Name: estimated_delivery_date
- * Claim Key: TBD (requested assignment 328)
- * Claim Value Type: text string
- * Change Controller: IETF
- * Reference: Section 5.1.9 of this specification

5.1.10. Customs Declaration Number

- * Claim Name: customs_declaration_number
- * Claim Description: Identifier for the customs declaration associated with the shipment.
- * JWT Claim Name: customs_declaration_number
- * Claim Key: TBD (requested assignment 329)
- * Claim Value Type: text string
- * Change Controller: IETF
- * Reference: Section 5.1.10 of this specification

5.1.11. Commodity Description

- * Claim Name: commodity_description
- * Claim Description: Description of the commodity or goods being transported.
- * JWT Claim Name: commodity_description
- * Claim Key: TBD (requested assignment 330)
- * Claim Value Type: text string
- * Change Controller: IETF
- * Reference: Section 5.1.11 of this specification

5.1.12. HS Code

- * Claim Name: hs_code
- * Claim Description: Harmonized System (HS) code [HSCode] for the goods.
- * JWT Claim Name: hs_code
- * Claim Key: TBD (requested assignment 331)
- * Claim Value Type: text string
- * Change Controller: IETF

- * Reference: Section 5.1.12 of this specification

5.1.13. Gross Weight

- * Claim Name: gross_weight
- * Claim Description: Gross weight of the shipment, in kilograms.
- * JWT Claim Name: gross_weight
- * Claim Key: TBD (requested assignment 332)
- * Claim Value Type: integer or floating point number
- * Change Controller: IETF
- * Reference: Section 5.1.13 of this specification

5.1.14. Temperature Min Requirement

- * Claim Name: temperature_requirement_min
- * Claim Description: Minimum temperature (in Celsius) required for transport or storage of the goods.
- * JWT Claim Name: temperature_requirement_min
- * Claim Key: TBD (requested assignment 333)
- * Claim Value Type: integer or floating point number
- * Change Controller: IETF
- * Reference: Section 5.1.14 of this specification

5.1.15. Temperature Max Requirement

- * Claim Name: temperature_requirement_max
- * Claim Description: Maximum temperature (in Celsius) required for transport or storage of the goods.
- * JWT Claim Name: temperature_requirement_max
- * Claim Key: TBD (requested assignment 334)
- * Claim Value Type: integer or floating point number

- * Change Controller: IETF
- * Reference: Section 5.1.15 of this specification

5.1.16. Last Known Location

- * Claim Name: last_known_location
- * Claim Description: Most recent location update for the goods.
- * JWT Claim Name: last_known_location
- * Claim Key: TBD (requested assignment 335)
- * Claim Value Type: text string
- * Change Controller: IETF
- * Reference: Section 5.1.16 of this specification

5.1.17. Tariff Code

- * Claim Name: tariff_code
- * Claim Description: Tariff code applicable to the goods, including national tariff classifications or specific duty codes.
- * JWT Claim Name: tariff_code
- * Claim Key: TBD (requested assignment 336)
- * Claim Value Type: text string
- * Change Controller: IETF
- * Reference: Section 5.1.17 of this specification

5.1.18. Country of Origin

- * Claim Name: country_of_origin
- * Claim Description: The country where the goods were produced or manufactured, represented as an [ISO.3166] alpha-2 country code string
- * JWT Claim Name: country_of_origin
- * Claim Key: TBD (requested assignment 337)

- * Claim Value Type: text string
- * Change Controller: IETF
- * Reference: Section 5.1.18 of this specification

5.1.19. Customs Value

- * Claim Name: customs_value
- * Claim Description: Declared value of the goods for customs purposes, typically in the transaction currency.
- * JWT Claim Name: customs_value
- * Claim Key: TBD (requested assignment 338)
- * Claim Value Type: integer or floating point number
- * Change Controller: IETF
- * Reference: Section 5.1.19 of this specification

5.1.20. Currency Code

- * Claim Name: currency_code
- * Claim Description: Currency code for the customs value and other monetary amounts, represented as an [ISO.4217] alpha-3 currency code string
- * JWT Claim Name: currency_code
- * Claim Key: TBD (requested assignment 339)
- * Claim Value Type: text string
- * Change Controller: IETF
- * Reference: Section 5.1.20 of this specification

5.1.21. Import/Export License Number

- * Claim Name: license_number
- * Claim Description: License or permit number required for the import or export of the goods.

- * JWT Claim Name: license_number
- * Claim Key: TBD (requested assignment 340)
- * Claim Value Type: text string
- * Change Controller: IETF
- * Reference: Section 5.1.21 of this specification

5.1.22. Sanctions Reference

- * Claim Name: sanctions_reference
- * Claim Description: Reference to applicable sanctions lists or regulations affecting the goods or involved parties.
- * JWT Claim Name: sanctions_reference
- * Claim Key: TBD (requested assignment 341)
- * Claim Value Type: text string
- * Change Controller: IETF
- * Reference: Section 5.1.22 of this specification

5.1.23. Legal Jurisdictions

- * Claim Name: legal_jurisdictions
- * Claim Description: Legal jurisdiction(s) governing the transaction, represented as an [ISO.3166] alpha-2 country code string or other specific legal identifier.
- * JWT Claim Name: legal_jurisdictions
- * Claim Key: TBD (requested assignment 342)
- * Claim Value Type: array of text strings
- * Change Controller: IETF
- * Reference: Section 5.1.23 of this specification

5.1.24. Importer Code

- * Claim Name: importer_code
- * Claim Description: Code identifying the importer.
- * JWT Claim Name: importer_code
- * Claim Key: TBD (requested assignment 343)
- * Claim Value Type: text string
- * Change Controller: IETF
- * Reference: Section 5.1.24 of this specification

5.1.25. Exporter Code

- * Claim Name: exporter_code
- * Claim Description: Code identifying the exporter.
- * JWT Claim Name: exporter_code
- * Claim Key: TBD (requested assignment 344)
- * Claim Value Type: text string
- * Change Controller: IETF
- * Reference: Section 5.1.25 of this specification

5.1.26. International Commercial Terms

- * Claim Name: incoterms
- * Claim Description: International commercial terms [INCOTERMS] defining responsibilities between buyer and seller, e.g., "FOB", "CIF".
- * JWT Claim Name: incoterms
- * Claim Key: TBD (requested assignment 345)
- * Claim Value Type: text string
- * Change Controller: IETF

- * Reference: Section 5.1.26 of this specification

5.1.27. Regulatory Compliance Codes

- * Claim Name: regulatory_compliance_codes
- * Claim Description: Codes indicating compliance with specific regulations or standards (e.g., safety certifications, environmental standards).
- * JWT Claim Name: regulatory_compliance_codes
- * Claim Key: TBD (requested assignment 346)
- * Claim Value Type: array of text strings
- * Change Controller: IETF
- * Reference: Section 5.1.27 of this specification

5.1.28. Additional Documents Required

- * Claim Name: additional_documents_required
- * Claim Description: List of additional documents required for customs clearance, such as certificates of origin or inspection reports.
- * JWT Claim Name: additional_documents_required
- * Claim Key: TBD (requested assignment 347)
- * Claim Value Type: array of text strings
- * Change Controller: IETF
- * Reference: Section 5.1.28 of this specification

5.1.29. Freight Charges

- * Claim Name: freight_charges
- * Claim Description: Transportation costs associated with the shipment, used for customs valuation.
- * JWT Claim Name: freight_charges
- * Claim Key: TBD (requested assignment 348)

- * Claim Value Type: integer or floating point number
- * Change Controller: IETF
- * Reference: Section 5.1.29 of this specification

5.1.30. Insurance Charges

- * Claim Name: insurance_charges
- * Claim Description: Insurance costs for the shipment, used in determining customs value.
- * JWT Claim Name: insurance_charges
- * Claim Key: TBD (requested assignment 349)
- * Claim Value Type: integer or floating point number
- * Change Controller: IETF
- * Reference: Section 5.1.30 of this specification

5.1.31. Packing Costs

- * Claim Name: packing_costs
- * Claim Description: Costs associated with packing the goods, relevant for customs valuation.
- * JWT Claim Name: packing_costs
- * Claim Key: TBD (requested assignment 350)
- * Claim Value Type: integer or floating point number
- * Change Controller: IETF
- * Reference: Section 5.1.31 of this specification

5.1.32. Place of Loading

- * Claim Name: place_of_loading
- * Claim Description: Location where the goods were loaded for shipment, often a port or warehouse.
- * JWT Claim Name: place_of_loading

- * Claim Key: TBD (requested assignment 351)
- * Claim Value Type: text string
- * Change Controller: IETF
- * Reference: Section 5.1.32 of this specification

5.1.33. Place of Discharge

- * Claim Name: place_of_discharge
- * Claim Description: Location where the goods are scheduled to be unloaded.
- * JWT Claim Name: place_of_discharge
- * Claim Key: TBD (requested assignment 352)
- * Claim Value Type: text string
- * Change Controller: IETF
- * Reference: Section 5.1.33 of this specification

5.1.34. Consignee Information

- * Claim Name: consignee_information
- * Claim Description: Information about the consignee, including identifier, name, address, and contact details.
- * JWT Claim Name: consignee_information
- * Claim Key: TBD (requested assignment 353)
- * Claim Value Type: map
- * Change Controller: IETF
- * Reference: Section 5.1.34 of this specification

5.1.35. Consignor Information

- * Claim Name: consignor_information
- * Claim Description: Information about the consignor, including identifier, name, address, and contact details.

- * JWT Claim Name: consignor_information
- * Claim Key: TBD (requested assignment 354)
- * Claim Value Type: map
- * Change Controller: IETF
- * Reference: Section 5.1.35 of this specification

5.1.36. Customs Declaration Date

- * Claim Name: customs_declaration_date
- * Claim Description: Date when the customs declaration was made, represented as an [ISO.8601] date and time string
- * JWT Claim Name: customs_declaration_date
- * Claim Key: TBD (requested assignment 355)
- * Claim Value Type: text string
- * Change Controller: IETF
- * Reference: Section 5.1.36 of this specification

5.2. JSON Web Token (JWT) Claims

This specification registers the following claims in the IANA "JSON Web Token Claims" registry [IANA.JWT] established by [RFC7519].

5.2.1. Goods Identifier

- * Claim Name: product_id
- * Claim Description: A unique identifier for the physical product(s) or shipment being tracked. May correspond to SKU, product ID, or batch number.
- * Change Controller: IETF
- * Reference: Section 5.1.1 of this specification

5.2.2. Shipment ID

- * Claim Name: shipment_id

- * Claim Description: Unique identifier assigned to a specific shipment.
- * Change Controller: IETF
- * Reference: Section 5.1.2 of this specification

5.2.3. Bill of Lading Number

- * Claim Name: bill_of_lading_number
- * Claim Description: Identifier for the bill of lading associated with the goods.
- * Change Controller: IETF
- * Reference: Section 5.1.3 of this specification

5.2.4. Transport Mode

- * Claim Name: transport_mode
- * Claim Description: Mode of transport used for the shipment. (Recommended values: "air", "sea", "rail", "truck")
- * Change Controller: IETF
- * Reference: Section 5.1.4 of this specification

5.2.5. Container ID

- * Claim Name: container_id
- * Claim Description: Unique identifier for the container used in the shipment.
- * Change Controller: IETF
- * Reference: Section 5.1.5 of this specification

5.2.6. Origin Location

- * Claim Name: origin_location
- * Claim Description: Geographical origin of the goods, represented as an [ISO.3166] alpha-2 country code string or specific address
- * Change Controller: IETF

- * Reference: Section 5.1.6 of this specification

5.2.7. Destination Location

- * Claim Name: destination_location
- * Claim Description: Final destination of the goods in the shipment.
- * Change Controller: IETF
- * Reference: Section 5.1.7 of this specification

5.2.8. Carrier ID

- * Claim Name: carrier_id
- * Claim Description: Identifier for the carrier or logistics provider responsible for the shipment.
- * Change Controller: IETF
- * Reference: Section 5.1.8 of this specification

5.2.9. Estimated Delivery Date

- * Claim Name: estimated_delivery_date
- * Claim Description: Expected delivery date for the shipment, represented as an [ISO.8601] date and time string
- * Change Controller: IETF
- * Reference: Section 5.1.9 of this specification

5.2.10. Customs Declaration Number

- * Claim Name: customs_declaration_number
- * Claim Description: Identifier for the customs declaration associated with the shipment.
- * Change Controller: IETF
- * Reference: Section 5.1.10 of this specification

5.2.11. Commodity Description

- * Claim Name: commodity_description
- * Claim Description: Description of the commodity or goods being transported.
- * Change Controller: IETF
- * Reference: Section 5.1.11 of this specification

5.2.12. HS Code

- * Claim Name: hs_code
- * Claim Description: Harmonized System (HS) code [HSCode] for the goods.
- * Change Controller: IETF
- * Reference: Section 5.1.12 of this specification

5.2.13. Gross Weight

- * Claim Name: gross_weight
- * Claim Description: Gross weight of the shipment, in kilograms.
- * Change Controller: IETF
- * Reference: Section 5.1.13 of this specification

5.2.14. Temperature Min Requirement

- * Claim Name: temperature_requirement_min
- * Claim Description: Minimum temperature (in Celsius) required for transport or storage of the goods.
- * Change Controller: IETF
- * Reference: Section 5.1.14 of this specification

5.2.15. Temperature Max Requirement

- * Claim Name: temperature_requirement_max

- * Claim Description: Maximum temperature (in Celsius) required for transport or storage of the goods.
- * Change Controller: IETF
- * Reference: Section 5.1.15 of this specification

5.2.16. Last Known Location

- * Claim Name: last_known_location
- * Claim Description: Most recent location update for the goods.
- * Change Controller: IETF
- * Reference: Section 5.1.16 of this specification

5.2.17. Tariff Code

- * Claim Name: tariff_code
- * Claim Description: Tariff code applicable to the goods, including national tariff classifications or specific duty codes.
- * Change Controller: IETF
- * Reference: Section 5.1.17 of this specification

5.2.18. Country of Origin

- * Claim Name: country_of_origin
- * Claim Description: The country where the goods were produced or manufactured, represented as an [ISO.3166] alpha-2 country code string
- * Change Controller: IETF
- * Reference: Section 5.1.18 of this specification

5.2.19. Customs Value

- * Claim Name: customs_value
- * Claim Description: Declared value of the goods for customs purposes, typically in the transaction currency.
- * Change Controller: IETF

- * Reference: Section 5.1.19 of this specification

5.2.20. Currency Code

- * Claim Name: `currency_code`
- * Claim Description: Currency code for the customs value and other monetary amounts, represented as an [ISO.4217] alpha-3 currency code string
- * Change Controller: IETF
- * Reference: Section 5.1.20 of this specification

5.2.21. Import/Export License Number

- * Claim Name: `license_number`
- * Claim Description: License or permit number required for the import or export of the goods.
- * Change Controller: IETF
- * Reference: Section 5.1.21 of this specification

5.2.22. Sanctions Reference

- * Claim Name: `sanctions_reference`
- * Claim Description: Reference to applicable sanctions lists or regulations affecting the goods or involved parties.
- * Change Controller: IETF
- * Reference: Section 5.1.22 of this specification

5.2.23. Legal Jurisdiction

- * Claim Name: `legal_jurisdictions`
- * Claim Description: Legal jurisdiction(s) governing the transaction, represented as an [ISO.3166] alpha-2 country code string or other specific legal identifier.
- * Change Controller: IETF
- * Reference: Section 5.1.23 of this specification

5.2.24. Importer Code

- * Claim Name: importer_code
- * Claim Description: Code identifying the importer.
- * Change Controller: IETF
- * Reference: Section 5.1.24 of this specification

5.2.25. Exporter Code

- * Claim Name: exporter_code
- * Claim Description: Code identifying the exporter.
- * Change Controller: IETF
- * Reference: Section 5.1.25 of this specification

5.2.26. International Commercial Terms

- * Claim Name: incoterms
- * Claim Description: International commercial terms [INCOTERMS] defining responsibilities between buyer and seller, e.g., "FOB", "CIF".
- * Change Controller: IETF
- * Reference: Section 5.1.26 of this specification

5.2.27. Regulatory Compliance Codes

- * Claim Name: regulatory_compliance_codes
- * Claim Description: Codes indicating compliance with specific regulations or standards (e.g., safety certifications, environmental standards).
- * Change Controller: IETF
- * Reference: Section 5.1.27 of this specification

5.2.28. Additional Documents Required

- * Claim Name: additional_documents_required

- * Claim Description: List of additional documents required for customs clearance, such as certificates of origin or inspection reports.
- * Change Controller: IETF
- * Reference: Section 5.1.28 of this specification

5.2.29. Freight Charges

- * Claim Name: freight_charges
- * Claim Description: Transportation costs associated with the shipment, used for customs valuation.
- * Change Controller: IETF
- * Reference: Section 5.1.29 of this specification

5.2.30. Insurance Charges

- * Claim Name: insurance_charges
- * Claim Description: Insurance costs for the shipment, used in determining customs value.
- * Change Controller: IETF
- * Reference: Section 5.1.30 of this specification

5.2.31. Packing Costs

- * Claim Name: packing_costs
- * Claim Description: Costs associated with packing the goods, relevant for customs valuation.
- * Change Controller: IETF
- * Reference: Section 5.1.31 of this specification

5.2.32. Place of Loading

- * Claim Name: place_of_loading
- * Claim Description: Location where the goods were loaded for shipment, often a port or warehouse.

- * Change Controller: IETF
- * Reference: Section 5.1.32 of this specification

5.2.33. Place of Discharge

- * Claim Name: place_of_discharge
- * Claim Description: Location where the goods are scheduled to be unloaded.
- * Change Controller: IETF
- * Reference: Section 5.1.33 of this specification

5.2.34. Consignee Information

- * Claim Name: consignee_information
- * Claim Description: Information about the consignee, including identifier, name, address, and contact details.
- * Change Controller: IETF
- * Reference: Section 5.1.34 of this specification

5.2.35. Consignor Information

- * Claim Name: consignor_information
- * Claim Description: Information about the consignor, including identifier, name, address, and contact details.
- * Change Controller: IETF
- * Reference: Section 5.1.35 of this specification

5.2.36. Customs Declaration Date

- * Claim Name: customs_declaration_date
- * Claim Description: Date when the customs declaration was made, represented as an [ISO.8601] date and time string
- * Change Controller: IETF
- * Reference: Section 5.1.36 of this specification

6. References

6.1. Normative References

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- [IANA.CWT] IANA, "CBOR Web Token (CWT) Claims", n.d., <<https://www.iana.org/assignments/cwt/>>.
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Acknowledgments

A.J. Stein contributed to this specification.

Document History

-02

- * Enabled the use of GLUE identifiers.
- * Renamed `legal_jurisdiction` to `legal_jurisdictions` and made it an array.
- * Added references for Incoterms and Harmonized System codes.
- * Defined that numbers can be integers or floats.

- * Added an example claims set.
- * Added Brent Zundel as an author.

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- * Added registrations of JWT claims corresponding to the CWT claims.
- * Updated CWT Claims registrations to supply all fields in the registration template.
- * Fixed IANA Considerations header, as suggested by A.J. Stein.
- * Added references for ISO specs.
- * Specified the use of [ISO.3166] alpha-2 country code strings and [ISO.4217] alpha-3 currency code strings.
- * Added references to sources of traceability claims.
- * Added Michael B. Jones as an author.

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- * Initial individual draft

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