

# UN/CEFACT Project Proposal

Proposed project name:	Extension Textile and Leather BRS part 2: Use case and CCBDA data structure supporting product circularity.		
Date submitted:	15 DEC 2022	Project proposed by:	Gerhard Heemskerck
Date last updated:			

## 1. Project purpose

### **Required**

The project's purpose is to update and publish the Textile and Leather BRS (Business Requirement Specification) part 2 with an additional use case and CCBDA (Core Component Business Document Assembly) data structure to support the reuse and recycle stages of the value chains through a digital representation and exchange of circular product and material data.

## 2. Project scope

### **Required**

*NOTE: Specify project scope in terms of in-scope and out-of-scope items within the context of the UN/CEFACT Programme of Work. Include a description indicating the relationship between this project and other UN/CEFACT projects, if known. In the case of a project whose deliverables include proposed Recommendations and Standards, include projects outside of UN/CEFACT of which this project could be considered a duplicate, if any, and explain why it is not.*

Improving sustainability including circularity is one of the major objectives of most industries and sectors (domestic and international). Circular product data represents the digital identity of product and material data in such a way that it supports circular business models, including resale, rental, collections, sorting, and recycling. Especially brands want to be able to communicate product and material data from the first point of sale as resellers, sorters, and recyclers need a digital identity of products and materials to scale systems for circular lifecycle management. The Textile and Leather Data Model, part of the UN/CEFACT Buy-Ship-Pay model, covers all stages of product life cycle including the use, reuse and recycle stages, in connection with the circular economy approach. In 2020 the textile and leather data model for traceability and transparency was developed in a global and generic. This global and generic approach will apply for the extension of the specified use cases, the data model and derived CCBDA data structure.

The proposed project is, therefore, to develop an additional use case, CCBDA data structure and derived message (XML/JSON\*) with the following objectives:

- The scope of the project is international, cross-border, domestic and cross-industry.
- Development of an additional use case and CCBDA data structure for the Textile and Leather BRS document part 2, according to the UN/CEFACT Modelling Methodology (UMM).
- Development will take the EON Circular Product Data Protocol as an important contribution and by this the provides a basis for existing and future domain work.
- Development will take the European Union Digital Product Product (DPP) data points as an important contribution and by this the provides a basis for existing and future domain work. Although an initial alignment of the DPP preliminary list of attributes with the UNCCL (UN Core Component Library) and EON contribution looks promising, some profound work on this should be conducted.

- Development of the CC's (Core Components) and BIEs (Business Information Entities) to be included in the UNCCL and in the derived textile and leather data model.

### 3. Project deliverables

#### Required

*NOTE: Provide name and description of each deliverable.*

Deliverable 1:	Updated Textile and Leather BRS part 2 with a use case and data structure reflecting the circular product data requirements. <i>Note: The project team may decide to create a separate BRS as part of the Sustainable Development and Circular Economy BRS, which is in development. The textile and Leather will then be a profile of this work.</i>
Deliverable 2:	CCBDA data structure (model) to representing the digital identity of product and material supporting a circular economy.
Deliverable 3:	Submission file for possible new CCs and BIEs to be included in the UNCCL.
Deliverable 4:	Process-driven XML Schema based on the CCBDA data structure.
Deliverable 5:	A standardized API (Application Programming Interface) when supported by UN/CEFACT standards.

### 4. Exit Criteria

#### Required

*NOTE: For each deliverable, list the criteria that, when met, will indicate the deliverable has been completed.*

Exit Criteria for Deliv. 1:	Public Review logs demonstrating all comments have been satisfactorily resolved; Final document ready for publication.
Exit Criteria for Deliv. 2:	CCBDA message structures ready for publication
Exit Criteria for Deliv. 3:	Needed Entries to the UNCCL ready for publication.
Exit Criteria for Deliv. 4:	XML message ready for publication.
Exit Criteria for Deliv. 5:	API/JSON specification for the use case.

### 5. Project Team membership and required functional expertise

Membership is open to UN/CEFACT experts with broad knowledge in the area of:	Sustainable supply chain management, traceability systems and the UN/CEFACT Buy-Ship-Pay Model and related activities as well as in modelling techniques.
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In addition, Heads of Delegations may invite technical experts from their constituency to participate in the work. Experts are expected to contribute to the work based solely on their expertise and to comply with the UN/CEFACT Code of Conduct and Ethics and the policy on Intellectual Property Rights.

### 6. HoD support

*NOTE: At least three HoD support is required for Technical Standards, Business Standards and UNECE Recommendations – and at the request of the UN/CEFACT Bureau. (See annex IV for an optional template).*

*NOTE: Projects that require HoD support must obtain this within 6 months of Bureau provisional approval.*

### 7. Geographical focus

The geographical focus of the project is global

### 8. Initial contributions

The following contributions are submitted as part of this proposal. It is understood that these contributions are only for consideration by the Project Team and that other participants may submit additional contributions in order to ensure that as much information as possible is obtained from those

with expertise and a material interest in the project. It is also understood that the Project Team may choose to adopt one or more of these contributions “as is”.

**List any initial contributions:**

- UN/CEFACT Core Components Library
- UN/CEFACT Buy-Ship-Pay Model
- UN/CEFACT Textile and Leather Data Model
- UN/CEFACT BRS part 1: Business Requirements Specification for Traceability and Transparency in the Textile and Leather Sector, Part 1: High-Level Process and Data Model
- UN/CEFACT BRS part 2. Business Requirements Specification for Traceability and Transparency in the Textile and Leather Sector, Part 2: Use Cases and CCBDA Data Structures
- UNECE Recommendations and Code Lists
- UNECE paper “Transparency in garment value chains in relation to the environmental, social, and human health impacts of parts, components and production processes”
- UN/CEFACT Conferences on “Ethical and informed choices for sustainable clothing- Tracking and tracing garment supply chains” (30th and 31st UN/CEFACT Forum)
- UN/CEFACT RDM2API (Reference Data Model to API) and API project deliverables based on UN/CEFACT API CCBDA subset to JSON ((JavaScript Object Notation) export technical specifications (under development).
- The European Commission Sustainable Product Initiative (SPI), one of the main deliverables of the New Circular Economy Action Plan.
- The European Union Digital Product Passport.

## 9. Resource requirements

Participants in the project shall provide resources for their own participation. The existence and functioning of the project shall not require any additional resources from the UNECE secretariat.

*NOTE: If specialized resources are required to complete the project, and such resources are not available within the Project Team, then those requirements should be clearly identified.*

Any additional request:

## 10. Proposed project leadership

Proposed:	Gerhard Heemskerk (Editor)	E-mail:	gerhard.heemskerk@kpnmail.nl
Proposed:	Virginia Cram-Martos (Lead)	E-mail:	crammartos@triangularity.net

## 11. Milestones

*Note: repeat for each deliverable, if different.*

The following are draft milestones of the project.

Yes/No*	ODP Stage	Expected Completion Date (Approval + XX months)
Yes	Project Inception	+ 1 month (Jan/2023)
Yes	Requirements gathering	+ 4 months (May/2023)
Yes	Draft development	+ 4 months (Sept/2023)
Yes	Public Draft Review	+ 2 months (Nov/2023)
Yes	Publication	+ 2 months (Jan/2024)
Yes	Project exit	+ 1 month (Feb/2024)

\* NOTE: The following stages are obligatory: Project Inception, Project Exit and Publication. Public Draft Review is obligatory for recommendations, business standards and technical standards. The presence of “Yes” in the field indicates that the stage is required for the project and an expected completion date should be provided.