# Pipeline Data Carrier

## Pipeline Data Carrier

other

**Project Details**

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|---|---|
| **Domain** | Transport & Logistics Domain |
| **Project Identifier** | P1045 |
| **Bureau Decision #** | #1609028 |
| **Project Proposal Status** | Official |
| **Project Page** | Pipeline Data Carrier |
| **Supporting VC** | Ian Watt |
| **Project Lead** | David Roff |
| **HoD Support** | SN / ES / UK |
| **Status** | Completed |
| **Version** | 1.0 |
| **Submitted date** | 2016-08-28 |
| **Draft Development Completion** | 2019-04-01 |
| **Publication Date** | 2019-09-01 |

## Project Purpose

Easing modern trade flow requires improvements in the entire supply chain, including commercial and border management. Key to managing these new demands and making optimum choices is to capture and use the right data at the right time from the right source. In this aim, a number of pilot projects have developed an end to end data carrier that describes the data to be sent to regulatory authorities through a "seamless integrated transaction." This process has necessitated a major rationalisation of current business requirements and approaches in order to ensure capturing the accurate data at its source.

In today's business processes in global supply chains, information about transactions resides in fragmented business and government systems. As a result, the flow of goods is accompanied by information streams of poor quality. The lack of reliable, accurate and complete data makes it hard to achieve supply chain visibility. This, in turn, makes decision making, risk detection, efficient risk management, supply chain optimization by companies and supervision by border inspection agencies very difficult.

Connectivity infrastructures for information sharing such as data pipelines enable better quality of data, supply chain visibility and information sharing. They open new possibilities for system-based audit and the development of smart software applications to offer value added services to business such as automated planning and scheduling and for border agencies such as automated monitoring and targeting.

In such a pipeline approach, the quantity of data in the pipeline therefore grows as the goods move from seller and shipper to consignee and buyer. These pipelines will need to have a sequence of generic milestones but these will be individually constructed based on customer needs; so each one may be different.

## Project Scope

This project will aim to define the pipeline concept (its purpose, usage, implementation…), provide guidance on defining these generic milestones (which could also be called waypoints), identify the generic actors involved in such pipelines, standardize and harmonize a pipeline data carrier which would cover all data requirements for such procedures. This project is proposed as being based on the Multi Modal Transport Reference Data Model.

## Project Deliverables

The project deliverables are:
A.      A White Paper on the pipeline concept
B.      A BRS for the Pipeline Data Carrier
C.      CCBDA RSM for the Pipeline Data Carrier based on MMT
D.      An XML schema of the Pipeline Data Carrier Message

## Exit Criteria

The exit criteria will be:
•       A White Paper on the pipeline concept
    o       External review disposition log

- o    Final draft ready for publication
- Subset BRS for the Pipeline Data Carrier based on MMT
  - o    External review disposition log
  - o    Final draft ready for publication
- CCBDA RSM for the Pipeline Data Carrier based on MMT
  - o    External review disposition log
  - o    Final draft ready for publication
- An XML schema of the Pipeline Data Carrier Message
  - o    Incorporation into the Core Component Library, if required
  - o    Final deliverable ready for publication by Library Maintenance

## Project Team Membership and Required Functional Expertise

The project team is open to experts with broad knowledge and experience in the area of supply chain and related activities as well as in modelling techniques. 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.

## Geographical Focus

Global

## Initial Contributions

Initial contributions will be sourced from existing documentation and standards including:
- EU CORE Project, http://www.coreproject.eu/ (weblink as of July 30th 2016)
- EU Cassandra Project, http://www.cassandra-project.eu/ (weblink as of July 30th 2016)
- T&L's Multi-Modal Transport Reference Data Model (project p1023)
- There are no known IPR issues and there are no planned formal collaborations.

## Resource Requirements

Required resources include project management and modelling expertise.

## Project Proposal Files

| File | Modified |
| --- | --- |
| PDF File 160915-3a T+L Pipeline project.pdf | Dec 01, 2016 by Lance Thompson |
| PDF File 161118-3x Ship Pipeline -ES HoD support.pdf | Apr 09, 2018 by Malik |
| PDF File 161024-3x T+L Pipeline - UKHoD support.pdf | Apr 09, 2018 by Malik |
| PDF File Ship Pipeline -SN HoD support.pdf | Apr 09, 2018 by Malik |

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