



# PROJECT TEAM PROPOSAL SPECIFICATION SUPPORT

PIDX Bill of Lading Implementation Guidelines

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## 1. Proposed Project Team / Study Name

PIDX Bill of Lading Implementation Guidelines

## 2. Description

PURPOSE	This proposal has been put together to request support by PIDX to document business Implementation Guidelines within the PIDX Downstream Bill of Lading schemas.
SCOPE	Bill of Lading Create.xsd Bill of Lading Response.xsd BOL Processing Requirements.ppt
GOALS	To gain industry consensus and document the Implementation Guidelines for PIDX Bill of Lading, clarifying that negative values cannot be used for product quantities. The current schema and guidelines do not specify this.

### 2.1. Detailed Description

Product quantities reported in the PIDX LDR message type (LoadDeliveryReceipt) are established by measurements or are result of quantity conversion calculations. These figures are reported in the “Measurements” section of PIDX-LDR message. Some terminal systems also report the number of the Measurement Ticket as proof.

Product quantities established because of an operation (Load, Delivery or Receipt) cannot be negative. The sign of the value does not change as a function of the Direction or the Type of the posting.

Since PIDXv5, the posting scenarios are controlled by two fields of the standard definition for the LDR (Load-Delivery-Receipt) message type:

- ActionCode to describe the nature of the operation and the direction of product flow (e.g. ‘Loading’, ‘Delivery’,...)
- PostingType to describe the type of posting (‘Normal’, ‘Reversal’, ‘Correction’, ‘Return’)

The sign of the quantity values reported in the “Measurements” section remains unchanged and can never be negative.

Example Normal Posting for a loading operation: ActionCode 'Loading', PostingType '00'

pidx:Body	
pidx:Posting	
pidx:ActionCode	Loading
pidx:PostingType	00
pidx:PostingReference	
pidx:Activity (4)	
pidx:Location	
pidx:Transport	

Positive Measurement figures:

pidx:Measurements					
pidx:Measurement (6)					
	pidx:Measur...	pidx:Measur...	pidx:UnitQualifier	pidx:Quantity	pidx:Unit
1	Calculated	Standard	ProductWeight	7541	KGS
2	MeasuredinAir	Ambient	Volume	10003	LTR
3	Calculated	Standard	Volume	10074	LTR
4	MeasuredinAir	Ambient	Temperature	9.1	C
5	MeasuredinVacuum	Standard	Density	749.7	KGM
6	Calculated	Standard	Temperature	15	C

Example Reversal Posting for a loading operation: ActionCode 'Loading', PostingType '01'

pidx:annotation	PIDX Beladedaten, erstellt von VERA-V3 / VTA				
pidx:Header					
pidx:Body					
pidx:Posting					
pidx:ActionCode	Loading				
pidx:PostingType	01				
pidx:PostingReference					
pidx:Activity (4)					
pidx:Location					
pidx:Transport					

Positive Measurement figures

pidx:MeasurementInformation		pidx:Measurements				
		pidx:Measurement (6)				
		pidx:Measur...	pidx:Measur...	pidx:UnitQualifier	pidx:Quantity	pidx:Unit
1	Calculated	Standard	ProductWeight	25966	KGS	
2	MeasuredinAir	Ambient	Volume	31256	LTR	
3	Calculated	Standard	Volume	30971	LTR	
4	MeasuredinAir	Ambient	Temperature	25.7	C	
5	MeasuredinVacuum	Standard	Density	839.5	KGM	
6	Calculated	Standard	Temperature	15	C	

### 2.1.1 Identify criteria for success of the deliverables / specification as deployed in industry.

- Documentation for clarity on business processes for Bill of Lading.
- Industry consensus for the values in Bill of Lading.

### 2.1.2 Identify all of the stakeholders of which you are aware. Operators, Suppliers, and Marketplaces

- Any company that wants to use the PIDX BOL documents and wants clarity on the business processes.

### 2.1.3 Identify the stakeholders who are willing to join the work effort. (See Sponsor & Participants)

- BP, DTN, PIDX Downstream Work Group

## 2.2 Proposal

To create an Implementation Guideline within the PIDX Downstream Bill of Lading schemas.

## 3 PIDX Definitions

- N/A

## 4 Benefits

- List benefits for all PIDX users
  - Clarity on the Implementation Guidelines for Bill of Lading documents.

## 5 Sponsor and Participants

PIDX member/company sponsoring development of these specifications/this project:

Member	Company	E-Mail Address
Hanno Schwarz	BP	
Kris Pronske/Lisa Rotunno	DTN	

The following PIDX members/companies are participants in the development of these specifications:

Member	Company	E-Mail Address
TBD		

Mail distribution list required?	Yes
Please provide the name of the mail distribution list:	BOLProcess

## 6 Deliverable Schedule

Component	Status	Estimated Completion Date
Development of Implementation Guidelines for Bill of Lading.	TBD	TBD

Review of current PIDX documentation to identify whether this update needs to be added or referenced.	TBD	TBD

## 7 Anticipated Completion Date

Q2 of 2022

## 8 Initial Contributions

Document name	Type of Document	Document Source
TBD		

## 9 PIDX Resource Requirements

*PIDX staff and/or contracted resources*

Minute taking	Y			
Facilitation	Y			
Planned activity	Number per month	Number of months	Duration (hrs)	Total PIDX Time (hrs)
Conference calls	1	4		4
Face to face meetings				

Total PIDX staff time required for this project.	4 hrs
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## 10 Marketing & Publicity

Provide the following information in order to maximize participation, awareness, and reach of your project.

**Project Short Name (for projects with longer titles):** PIDX Bill of Lading Business Process Guideline

**Project Objective (to attract participants):** To gain industry consensus and document the business requirements for PIDX Bill of Lading, clarifying that negative values cannot be used for product quantities. The current schema and guidelines do not specify this.

**Key words:** PIDX BOL, Business Processes

**Sponsoring Members will be contacted for a Company Logo (if not yet submitted).**

## 11 Sponsoring Member /Work Group/Sub-Committee

This specification has been submitted by Elena Mereanu on behalf of the Downstream Work Group/ Sub-Committee.

Contact Information:

Name: **Elena Mereanu**

Company: **Transport4**

Mailing Address:

Telephone:

E-Mail Address:

Signature: **Approval at Downstream meeting; refer to minutes from 2/16/2022**

The chair of this Work Group/ Sub-Committee has reviewed this submission for completeness and understands this particular Work Group/ Sub-Committee is the Sponsoring Work Group/ SIG,



responsible for the communication process. This does not mean the Chair or Work Group/ SIG is approving the actual work or its inclusion in any specification.

Chair's Signature – **See above**

## **12 PIDX Executive Committee**

Upon review by the PIDX Executive Committee, this Project Team Proposal (PTP) is:

Approved

Denied

Requires additional information

If “Denied” or “Requires additional information, please provide details:

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Recorded by:

Standards & Compliance Manager, PIDX International