ASN (RNET 3B2) Implementation Package

B2B Buyside

May 8, 2019

Inbound Freight Visibility

Key Challenge

- Improve visibility of inbound freight spends and support continued capability development to optimize the inbound freight supply chain.

Current State Key Gap

- Foundational data to get specific PO line shipments linked to freight invoice information.

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Project's Benefits

Supplier Benefits

- **B2B**: Direct connection to Intel, no translation errors
- **Web**: Auto-population of key information, minimized manual data entry
- **Overall**: Reduction of status updates to Intel. Tracking enabled via BOL/HAWB identification
- **Overall**: Quicker processing of shipment information, improved payment possibilities
- **Note**: Many Intel suppliers confirm usefulness of ASN transaction for improving supply chain success
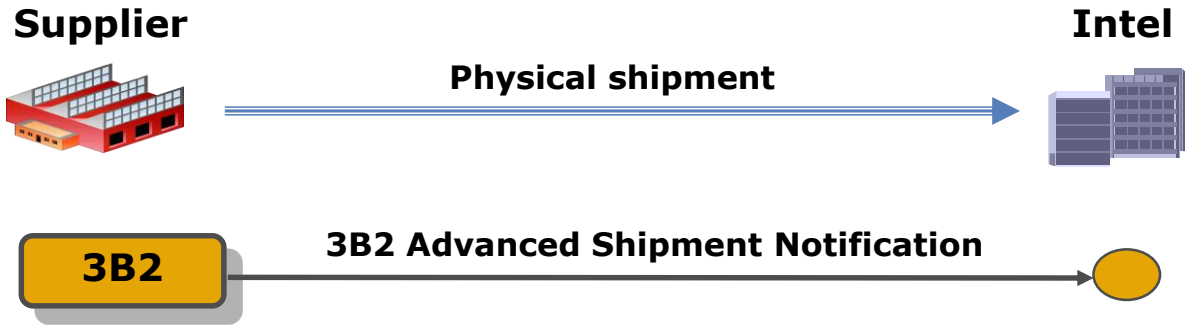
Intel Benefits

- **B2B/Web**: Direct connection and linkage to other Intel supply chain systems, minimized data quality (DQ) issues
- **Overall**: Advanced notification of shipment to prepare lane/receiving for shipments..reduced cycle time
- **Overall**: Enables systematic tracking vs. time consuming phone conversation or tracking spreadsheets
- **Overall**: Enables proactive identification of shipping issues

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Supplier Roles and Responsibilities

- Business Representative
  - Arrange resource(s) from supplier side
  - Make business decision
- IT (Systems Analyst)
  - Responsible to configure test environment
  - Execute B2B testing with Intel to test the functionality of new implementation/changes
  - Troubleshoot and propose solutions during testing phases
- Developer / Programmer
  - Perform development based on Intel specifications
- User
  - Process the PO (from Intel) and create ASN to be triggered to Intel

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ASN Scope

- Direct shipments from supplier to Intel

Supplier   **Intel**

Physical shipment

3B2   **3B2 Advanced Shipment Notification**

- Basic flow:
  - Supplier sends the physical shipment and triggers 3B2 to Intel to notify about the shipment
- **Note**:
  - ASN needs to be sent within +/- 4 Hours from actual shipment from supplier's Dock
  - Only one PO# to reference per ASN
  - ShippingContainer structure can loop multiple times, ShippingContainerItem can loop multiple times within the same ShippingContainer.
  - Within one ShippingContainerItem, there can only be one PO#, one PO Line#, and one Lot# referenced

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Business Requirements

- PO # and PO Line #
- Part Number
- Vendor ID
- Tracking Information – HAWB / MAWB / BOL
- Ship Date and Arrival Date
- Weight
- Shipped Quantity
- Packing Slip # or Shipment #
- Country of Origin (COO)

Scope

This is project only covers Intel Managed Freight

Ex. Incoterms- FCA, FOB and EX-Works

Note: Supplier can request detailed information from B2B systems analyst when ready to start ASN project

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New 3B2 Implementation

- For existing supplier with other RNET PIPs (without 3B2 ready):
  - Approximately 8 weeks to complete (from development until UAT)
  - Initial Business Engagement (2 weeks)
  - Development (2 weeks)
  - L1 Testing – connectivity (1 week)
  - L2 Testing – syntax checking (1-2 weeks)
  - L3 Testing – system testing (2-4 weeks)
  - UAT – user acceptance testing (1-2 weeks)

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Phase Details

- Initial Business Engagement: 2 weeks
  - Hold Pre-Kickoff meeting with Commodity Team/Supplier/Data Quality
  - Verify Business model and Supplier Infrastructure
  - Hold Kick-Off meeting with Commodity Team/Supplier
    - Gain agreement/buy-in from team on Intel proposal and/or supplier plan
    - Communicate changes, training , schedule etc.
  - **Owner: Commodity manager pulls team together**

- Development: 2 weeks
  - Engage with supplier to review the requirement and mapping, propose solution, and commit timeline
  - Gather information to be setup (especially for new implementation)
  - Prepare test data
  - **Owner: Intel technical team and supplier technical team**

- L1 testing: 1 week
  - Configure test environment
    - Firewall configuration (if required)
    - Middleware configuration (if required)
    - Back-end system configuration (if required)
  - Connectivity test (firewall to firewall)
  - **Owner: Intel technical team and supplier technical team**

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Phase Details

- L2 Testing: 1-2 weeks
  - Syntax check (middleware to middleware)
  - Ensure the 3B2 format satisfies Intel's mapping and specifications

  Owner: Intel technical team and supplier technical team

- L3 Testing: 2-4 weeks
  - System test (end to end)
  - Ensure the 3B2 processed successfully by back-end system (SAP)
  - Buyer to create PO's for CONS for testing (Biz)

  Owner: Intel technical team and supplier technical team

- User Acceptance Testing (UAT): 1-2 weeks
  - End to end test with end user involvement
  - Ensure the 3B2 processed successfully with end user involvement

  Owner: Commodity manager makes GO decision

- Go-live
  - After completing the test
  - Deploy new changes or implementation in production environment
  - Business need to drive the deployment
  - Stabilization period (1-2 weeks) will take place to ensure the B2B transactions are working fine

  Owner: Intel technical team and supplier technical team

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Process Flow

Commodity
Manager

Intel IT

Supplier

Inbound
Transportation
Network Team

Initial Business Engagement → Development & Testing → User Acceptance → Go Live

Escalation and Ongoing Monitoring

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