# Overview

Aztec has a fairly complex supply chain with varying degrees of technology capabilities. We want to minimize errors and omissions, minimize relabeling, enable efficient processing, and handle exceptions in a systematic way.

# Labelling / ASN Requirements

Labelling: Internal RAW and WIP label formats as well as all labels from suppliers that ship to Aztec will be modified to include a LICENSE PLATE with the designated SUPPLIER CODE, an underscore character separator, and the supplier’s internal serial (or Aztec’s internal serial in the case of labels generated by Fx, including Fx Supplier Portal). Inventory received at Aztec with non-conforming labels will be relabeled upon arrival.

ASNs: Bulk ASNs for suppliers that send product directly to secondary suppliers will be accepted with part, lot number, and quantities. ASNs for inventory coming to Aztec *should* include LICENSE PLATE data for every box/container to facilitate ease of scanning. Otherwise a secondary process will be required for suppliers sending a bulk ASNs.

# Scenarios

The following is a brief list of some of the possible scenarios.

1. [S2A, Label:Fx, ASN:NA] Rochester Metals supplies 3035-RAW to Aztec labelled using Fx Supplier Portal’s pre-object creation / labelling function. Aztec receives utilizing Fx’s receiving dock and RF scanning.

Fx Supplier Portal creates Supplier Objects to generate labels. Aztec creates receiver header in Fx when shipment arrives then scans all of the inventory labels. Scanning adds receiver objects (and receiver lines), performs receipts to default locations. Receiver manually reconciled against packing slip.

Error conditions:

* Box scanned before receiver is created. User receives relevant error on gun. Fix in receiving dock.
* No demand. User receives relevant error on gun. Fix by adjusting PO.
* Serial not found or scan not recognized. User told to try again. Fall back is traditional receiving and relabeling.

Variations can be created for suppliers that utilize one of the ASN options and would enable pre-creation of the receiver and automatic reconciliation.

1. [S2S, Label:NA, ASN:FxB] Rochester Metals supplies [Part(s)] to [Supplier] and notifies Aztec via Fx Supplier Portal bulk ASN of the parts, lots, and quantities shipped. Aztec confirms shipment with receiving supplier (optionally) and processes receipt utilizing Fx (screen TBD).

Fx Supplier Portal creates Receiver (header, line(s), object(s)) with one receiver object per part-lot-qty entry. Email alert will be sent to Aztec team. Aztec will (optionally) edit the receiver and process it in Fx which will perform the receipt.

Fx Supplier Portal will need new screen for creating bulk ASN. The Fx screen to handle these receivers will be new screen but similar to receiving dock with limited functions.

Error conditions:

* No demand. User receives relevant error on gun. Fix by adjusting PO.

1. [S2A, Label:C, ASN:T] [Supplier(s)] supplies [Part(s)] to Aztec labelled with compliant supplier label and shipped using traditional EDI. Aztec receives utilizing Fx’s receiving dock and RF scanning.

Supplier ASN will send an ASN through traditional EDI. The supplier ASN will be received via iConnect and processed into Fx as a new receiver. Email alert will be sent to Aztec team. When the shipment arrives, scanning any box from the shipment will activate the receiver and begin the receiving process. Scanning additional boxes will perform additional receipts. When receiving is complete the receiver will be compared to the ASN and missing license plates will be identified.

Error conditions:

* No demand(1). Email warns if ASN exceeds demand. Fix by adjusting PO.
* No demand (2). User receives relevant error on gun. Fix by adjusting PO.
* Missing license plate. Contact supplier. Correct receiver by marking object as “not received”.
* Unreadable license plate. Identify object in receiving dock and relabel.
* Unexpected license plate. Contact supplier. Receive on separate receiver and relabel.

1. [S2A, Label:NC, ASN:T] [Supplier(s)] supplies [Part(s)] to Aztec labelled with noncompliant supplier label and shipped using traditional EDI. Aztec receives utilizing Fx’s receiving dock.

Supplier ASN will send an ASN through traditional EDI. The supplier ASN will be received via iConnect and processed into Fx as a new receiver with lines and objects prepopulated. When the shipment arrives, receiving clerk will print labels and relabel the inventory as normal.

1. [S2A, Label:NC, ASN:NA] [Supplier(s)] supplies [Part(s)] to Aztec labelled with noncompliant supplier label and shipped without ASN. Aztec receives utilizing Fx’s receiving dock as is.

# Action Items

1. Labelling – use LICENSE PLATE label for internal and supplier:

* Develop LICENSE PLATE label spec
* Change Fx Supplier Portal label
* Change Fx internal RAW / WIP labels

1. Fx Supplier Portal Bulk ASN – develop new screen for suppliers to generate ASN. Record as Receiver in Fx:

* Create DB procedures
* Develop web front-end
* Create email alert

1. Traditional ASN Processing (LICENSE PLATE) – develop new processes for suppliers sending traditional ASN. Record as Receiver in Fx:

* Create DB procedures
* Create email alert

1. Processing Supplier to Supplier Bulk Shipments – develop new screen for recording receipts off of Fx Supplier Portal Bulk ASN:

* Create DB procedures
* Create front-end

1. Receiving Dock changes – modify Receiving Dock to facilitate variety of potential work flows.

* Add LICENSE PLATE (read only) to Receiver Objects.

## Glossary:

S2A: Supplier to Aztec shipments.

S2S – Supplier to Supplier shipments.

Label:Fx – Label created using Fx Supplier Portal.

Label:C – 3rd party compliant supplier label.

Label:NC – 3rd party non-compliant supplier label.

Label:NA – inventory not physically sent to Aztec so no impact.

ASN:FxD – ASN generated using Fx Supplier Portal and utilizing labels created using F Supplier Portal.

ASN:FxB – ASN generated using Fx Supplier Portal and manual part-qty entries.

ASN:T – ASN generated by supplier using traditional EDI.

ASN:NA – No ASN