Aerospace Industry Conventions, Implementation Guidelines and Harmonized Business Examples for EDI

Order Process Model for Version 004 – Release 010

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File Naming Convention: 20 = AIA EEWG, NONE = Transaction ID, 4 = Revision 4
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3. Revision Log  Error! Bookmark not defined.
# 1 Aerospace EDI Transaction Utilization for the Order Process Model

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<tr>
<th>Transaction Type</th>
<th>Code</th>
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<tbody>
<tr>
<td>Request for Quote</td>
<td>840</td>
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<tr>
<td>Reply to Request for Quote</td>
<td>843</td>
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<tr>
<td>Purchase Order (PO)</td>
<td>850</td>
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<tr>
<td>PO Acknowledgment</td>
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<tr>
<td>Purchase Order Change</td>
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<td>PO Change Acknowledgment</td>
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<tr>
<td>Planning Schedule</td>
<td>830</td>
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<tr>
<td>Shipping Schedule (Trigger)</td>
<td>862</td>
</tr>
<tr>
<td>Ship Notice/Manifest</td>
<td>856</td>
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<tr>
<td>Shipment and Billing Notice</td>
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<td>Functional Acknowledgment</td>
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<td>997</td>
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</tbody>
</table>

**Shipment and Billing**

- **Accounts Payable System**
  - Invoice (810)
  - Remittance Advice (820)
  - Application Advice (824)
  - Application Control Totals (831)
  - Electronic Funds Transfer (EFT)

**Supplier's Bank**

- Electronic Funds Transfer (EFT)
Overview - Transaction Flow Scenario Narrative

The Aerospace Industry Association member companies and their suppliers along with their banks will use the above listed Harmonized EDI Transactions to conduct electronic business.

The transaction use sequence may vary but the directional flow should remain consistent.

2.1 840 Request For Quote (RFQ) is sent by Buyer to Seller

On a select basis, to solicit for information (RFI) needed in advance of sending a purchase order.

To solicit product quote information such as historical trade information between partners, availability, pricing or specific part number information.

There is even a potential scenario for an 840 counter proposal.

2.2 843 Response to RFQ is sent by Seller to Buyer

To reply to buyer with requested information (RFI) needed in advance of sending a purchase order.

To reply to buyer with product quote information such as historical trade information between partners, availability, pricing or specific part number information.

2.3 850 Purchase Order is sent by Buyer to Seller

As a “Stand Alone” Order to Purchase that has the following criteria:

- A full contract or quote exists for the order
- It is for the purchase of a product
- It contains the “period of performance” (date)
- It contains the Terms and Conditions of purchase
- It contains the ship schedule information

As A "Blanket Order" used to order goods or services for ongoing delivery over a period of time.

As an 850 Release against a "Blanket Order" (850).

2.4 855 Purchase Order Acknowledgment is sent by the Seller to the Buyer

To accept a PO or Release – No Detail included - No further action is required

To reject a PO or Release – No Detail included – An Order Cancellation is expected in return

To acknowledge a PO or Release that has a Minor Problem – Details are included – An Order Change or Cancellation is expected in return
To accept a PO or Release – Details of Shipment are included – No further action is required

2.5 860 Change to a Purchase Order is sent by the Buyer to the Seller

To change specified Line Item Detail information continued in a previously sent 850 Purchase Order (all types - SA = Stand Alone, BL = Blanket, & RL = Release)

To change (replace) any 850 Purchase Order Header information

2.6 865 Purchase Order Change Acknowledgment is sent by the Seller to the Buyer

To Accept a PO Change Transaction – No Detail (POC or ACK Segment not included) No further action is required by the buyer.

To Reject a PO Change Transaction – No Detail (POC or ACK Segment not included). Seller does NOT expect Buyer to send a new 860 PO Change.

To Reject a PO Change Transaction with Details (POC and ACK Segments included). Seller will await a new 860 PO Change Transaction or 850 PO Cancellation.

To Acknowledge a PO with proposed changes to the PO Change (POC and ACK Segments included) Seller will await a new 860 PO Change Transaction or 850 PO Cancellation.

2.7 830 Planning Schedule with Release Capability is sent by the Buyer to the Seller

To provide Planning Schedules for Forecast, Schedule and Release Plans (outbound)

To provide a Schedule Response to the Buyer. (inbound version of scenario above)

To provide Vendor Managed Inventory status – This scenario uses an Inventory Status Trigger rather than specific Ship Schedules. (This is Consumption Based with no schedules used.)

Simple Release without Planning – On Hold as of 1/99

856 Ship Notice / Manifest is sent by the Seller to the Buyer

To provide a Non-Hazardous Ship Notice / Manifest for material being shipped

To provide a Hazardous Waste Ship Notice / Manifest for material being shipped

To provide a Ship Notice Containing Serialized Part Numbers for material being shipped

2.8 857 Shipment and Billing Notice

TBD
2.9 **862 Shipping Schedule is sent by the Buyer to the Seller**

As a Shipment trigger against a firm planning schedule that was sent on an 830 or an 850.

As a Shipment trigger against 850 Blanket Order (pan stock).

As a Ship Trigger for JIT– (more info needed and a user/owner is needed)

In this 830 there are planned “bucket pattern” dates with estimated quantities

Then the 862 is sent near the actual “ship date” to provide the actual quantities and ship (on-dock) dates.

2.10 **810 Invoice is sent by the Seller to the Buyer**

TBD

2.11 **820 Payment Authorization / Remittance Advice is sent by the Buyer to the Buyers Bank**

Bank Defined Transaction and therefore will not be harmonized.

Used by the Buyer to specify the items and dollar amount the Bank is to pay to the seller.

Used by the Buyer's Bank to forward payment remittance advice to the Sellers Bank

Used by the Seller's Bank and /or the Buyers Bank to forward the Remittance advice to the Seller.

2.12 **824 Application Advice is sent by the Buyer's Bank to the Buyer**

To indicate when the 820 and 831 batch totals do not match. Bank Defined Transaction and therefore will not be harmonized.

2.13 **831 Application Control Totals is sent by the Buyer to Buyers Bank**

Sent along with the 820 Payment Order Remittance Advice for the Bank to use to verify the 820 batch totals. Bank Defined Transaction and therefore will not be harmonized. (Use is optional)

2.14 **997 - Functional Acknowledgment sent by the Buyer and Seller as a transactional group receipt notification**

There are 6 possible scenarios:

- ACK Code A – Group Accepted – No details – No Action Required
- ACK Code E – Group Accepted but with non fatal errors noted (included). Do not send corrected Interchange.
- ACK Code P – Group Partially Accepted – At least one Transaction Set was Rejected – Details included - Send corrected Interchange
- ACK Code R – Group Rejected – With or Without Details - Send corrected Interchange
- ACK Code X – Group Rejected – Failed Post-Decryption Analysis - Send corrected Interchange

Note If the Group (GS) Acknowledgment Code above is “E” or “P” then at the Transaction Set (ST) level, the acknowledgment may have one of 2 code values.
- Code A – Transaction Accepted (No Details)
- Code R – Transaction Rejected (With or without Details)
3 Revision Log

<table>
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<td>4</td>
<td>5/17/02</td>
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