

997**Functional Acknowledgment****Functional Group=FA****Heading:**

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u> | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Notes</u> | <u>Usage</u> |
|----------------------|-----------|-----------------------------------|------------|----------------|---------------|----------------|--------------|
| 010 | ST | Transaction Set Header | M | 1 | | N1/010 | Must use |
| 020 | AK1 | Functional Group Response Header | M | 1 | | N1/020 | Must use |
| LOOP ID - AK2 | | | | | 999999 | N1/030L | |
| 030 | AK2 | Transaction Set Response Header | O | 1 | | N1/030 | Must use |
| 060 | AK5 | Transaction Set Response Trailer | M | 1 | | | Must use |
| 070 | AK9 | Functional Group Response Trailer | M | 1 | | | Must use |
| 080 | SE | Transaction Set Trailer | M | 1 | | | Must use |

ST**Transaction Set Header**

| | |
|---------------------|-------------|
| Pos: 010 | Max: 1 |
| Heading - Mandatory | |
| Loop: N/A | Elements: 2 |

User Option (Usage): Must use

To indicate the start of a transaction set and to assign a control number

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|----------------------------------------|------------|-------------|----------------|---------------------------|
| ST01 | 143 | Transaction Set Identifier Code | M | ID | 3/3 | Must use |
| | | Code | | | | |
| | | Name | | | | |
| | | 997 | | | | Functional Acknowledgment |
| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
| ST02 | 329 | Transaction Set Control Number | M | AN | 4/9 | Must use |

AK1**Functional Group Response
Header**

| | |
|---------------------|-------------|
| Pos: 020 | Max: 1 |
| Heading - Mandatory | |
| Loop: N/A | Elements: 2 |

User Option (Usage): Must use

To start acknowledgment of a functional group

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|-----------------------------------------------------------------|------------|-------------|----------------|--------------|
| AK101 | 479 | Functional Identifier Code | M | ID | 2/2 | Must use |
| | | Code Name | | | | |
| | | PS Planning Schedule with Release Capability (830) | | | | |
| | | SS Shipping Schedule (862) | | | | |
| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
| AK102 | 28 | Group Control Number | M | N0 | 1/9 | Must use |

Loop AK2

| | |
|-----------|----------------|
| Pos: 030 | Repeat: 999999 |
| Optional | |
| Loop: AK2 | Elements: N/A |

To start acknowledgment of a single transaction set

Loop Summary:

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u> | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Usage</u> |
|------------|-----------|----------------------------------|------------|----------------|---------------|--------------|
| 030 | AK2 | Transaction Set Response Header | O | 1 | | Must use |
| 060 | AK5 | Transaction Set Response Trailer | M | 1 | | Must use |

AK2**Transaction Set Response Header**

| | |
|--------------------|-------------|
| Pos: 030 | Max: 1 |
| Heading - Optional | |
| Loop: AK2 | Elements: 2 |

User Option (Usage): Must use

To start acknowledgment of a single transaction set

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|----------------------------------------|------------|-------------|----------------|-------------------------------------------|
| AK201 | 143 | Transaction Set Identifier Code | M | ID | 3/3 | Must use |
| | | Code | | | | |
| | | 830 | | | | Planning Schedule with Release Capability |
| | | 862 | | | | Shipping Schedule |
| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
| AK202 | 329 | Transaction Set Control Number | M | AN | 4/9 | Must use |

AK5**Transaction Set Response Trailer**

| | |
|---------------------|-------------|
| Pos: 060 | Max: 1 |
| Heading - Mandatory | |
| Loop: AK2 | Elements: 1 |

User Option (Usage): Must use

To acknowledge acceptance or rejection and report errors in a transaction set

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--------------------------------------------|------------|-------------|----------------|--------------------------------|
| AK501 | 717 | Transaction Set Acknowledgment Code | M | ID | 1/1 | Must use |
| | | <u>Code</u> | | | | |
| | | <u>Name</u> | | | | |
| | | A | | | | Accepted |
| | | E | | | | Accepted But Errors Were Noted |
| | | R | | | | Rejected |

AK9**Functional Group Response Trailer**

| | |
|---------------------|-------------|
| Pos: 070 | Max: 1 |
| Heading - Mandatory | |
| Loop: N/A | Elements: 4 |

User Option (Usage): Must use

To acknowledge acceptance or rejection of a functional group and report the number of included transaction sets from the original trailer, the accepted sets, and the received sets in this functional group

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--------------------------------------------|------------|----------------------------------|----------------|--------------|
| AK901 | 715 | Functional Group Acknowledge Code | M | ID | 1/1 | Must use |
| | | Code | | Name | | |
| | | A | | Accepted | | |
| | | E | | Accepted, But Errors Were Noted. | | |
| | | R | | Rejected | | |
| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
| AK902 | 97 | Number of Transaction Sets Included | M | N0 | 1/6 | Must use |
| AK903 | 123 | Number of Received Transaction Sets | M | N0 | 1/6 | Must use |
| AK904 | 2 | Number of Accepted Transaction Sets | M | N0 | 1/6 | Must use |

SE**Transaction Set Trailer**

| | |
|---------------------|-------------|
| Pos: 080 | Max: 1 |
| Heading - Mandatory | |
| Loop: N/A | Elements: 2 |

User Option (Usage): Must use

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--------------------------------|------------|-------------|----------------|--------------|
| SE01 | 96 | Number of Included Segments | M | NO | 1/10 | Must use |
| SE02 | 329 | Transaction Set Control Number | M | AN | 4/9 | Must use |