**AP6. APPENDIX 6**

**X12 CONTROL STRUCTURES AND SEPARATORS**

AP6.1.GENERAL

As noted in Chapter 5, X12 Control Structures and Segment/Element Separators are defined in the following tables:

AP6.1.1. X12 Control Structures. The approved Defense Logistics Management Standards (DLMS) ***Accredited Standards Committee (ASC)*** X12 Control Structures are defined in Table A6.T1.

| Table A6.T1. X12 Control Structures | | | | |
| --- | --- | --- | --- | --- |
| Data  Element | Min/  Max | Definition | Value | Notes |
| ISA01 | 2/2 | Authorization Qualifier | 00 – No Authorization Present  05 – DoD Communication ID  06 – Fed. Communication ID |  |
| ISA02 | 10/10 | Authorization ID | Trading Partner Specific | Use Blank for DLMS |
| ISA03 | 2/2 | Security Info. Qualifier | 00 – No Security Info  01 – Password | Use ‘00’ for DLMS |
| ISA04 | 10/10 | Security Info. | Trading Partner Specific | Use Blank for DLMS |
| ISA05 | 2/2 | Interchange Sender ID Qualifier | 01 – DUNS Number  02 – SCAC  04 – IATA  08 – UCC EDI  09 – X.121  10 – DoDAAC  16 – DUNS + 4  ZZ – Mutually Defined |  |
| ISA06 | 15/15 | Interchange Sender ID | Trading Partner Specific | Most Commercial VANs use either DTDN or GOVDP qualified with ZZ to identify DAAS as the trading partner. DLMS trading partners use S36121 qualified with 10 to identify DAAS EBUS. |
| ISA07 | 2/2 | Interchange Receiver ID Qualifier | 01 – DUNS Number  02 – SCAC  04 – IATA  08 – UCC EDI  09 – X.121  10 – DoDAAC  16 – DUNS + 4  ZZ – Mutually Defined |  |
| ISA08 | 15/15 | Interchange Receiver ID | Trading Partner Specific | See ISA06 |
| ISA09 | 6/6 | Interchange Date | YYMMDD | Use UTC (GMT) |
| ISA10 | 4/4 | Interchange Time | HHMM | Use UTC (GMT) |
| ISA11 | 1/1 | <4030 -  Interchange Control Standards ID  >4030 -  Repetition Separator | U – US EDI Community  Hex 1E or ‘ | For version prior to 4030 this was a constant “U”, for 4030 and above this is any of the recognized Element Separators as long as it does not duplicate one that is already used.[[1]](#footnote-2) |
| ISA12 | 5/5 | Interchange Control Version Number | Trading Partner specific, dependent upon implementation Convention used. | Expressed as , for example; 04030 |
| ISA13 | 9/9 | Interchange Control Number | Must uniquely identify the ISA envelope over an extended period of time.(one year) |  |
| ISA14 | 1/1 | Acknowledge-ment Requested | 0 - None | This refers to TA1 acknowledgements, NOT 997 |
| ISA15 | 1/1 | Test Indicator | T - Test  P - Production |  |
| ISA16 | 1/1 | Composite Element Separator | Trading partner specific | Hex 1F is recommended, “\” can be used as the printable version[[2]](#footnote-3) |
| GS01 | 2/2 | Functional ID | Transaction Set specific | See the Implementation Convention |
| GS02 | 2/12 | Application Sender Code | Trading Partner Specific | Use S36121 to identify DAAS Processing. |
| GS03 | 2/12 | Application Receiver Code | Trading Partner Specific |  |
| GS04 | 8/8 | Date | CCYYMMDD |  |
| GS05 | 4/4 | Time | HHMM |  |
| GS06 | 1/9 | Group Control Number | Must uniquely identify the group envelope over an extended period of time. (one year) |  |
| GS07 | 1/1 | Responsible Agency Code | X – ASC X12 Committee |  |
| GS08 | 6/12 | Version/ Release No. | Trading Partner Specific -dependent upon Implementation Convention used, must be the same version as the ISA | Can include additional information regarding the specific release. example BSM instance carries Implementation Convention information; 004030-940R |

AP6.1.2. Segment/Element Separators. The approved DLMS X12 Separators are defined in A6.T2:[[3]](#footnote-4)

|  |  |  |
| --- | --- | --- |
| Table A6.T2. X12 Segment/Element Separators | | |
| Name | Recommended  (Non-printable) | Printable (data in view-able format) EXAMPLES ONLY |
| Data Element Separator | Hex 1D | \* |
| Segment Terminator | Hex 1C | ~ |
| Composite Element Sep. | Hex 1F | \ |
| Repetition Separator[[4]](#footnote-5) | Hex 1E | ‘ |

1. Refer to ADC 1275 for detailed guidance on X12 delimiters. [↑](#footnote-ref-2)
2. Ibid [↑](#footnote-ref-3)
3. Ibid [↑](#footnote-ref-4)
4. Element Repetition is only supported in ASC X12 versions 4030 and higher. [↑](#footnote-ref-5)