

DEFECT REPORT

1. Report Number: 022
2. Source of report: Canada
3. Report Submitted to: TC 46/SC 4/WG 4 Secretariat: December, 1995
4. Report Concerning: ISO 10161 AM 1
5. Type of Defect: Major Technical
6. References in Document: Annex B, clause B.6.2
7. Nature of Defect: The EDIFACT encoding of ILL APDUs as specified in the amendment contains a number of errors:
 1. The deletion of the delivery-address segment is incorrect; the segment to be deleted is in fact the delivery-service segment.
 2. The electronic-delivery segment omits the parameter e-delivery-description.
 3. The new physical-delivery segment is incompatible with existing EDIFACT-based systems and receipt of version 1 APDUS containing a DLS segment may cause version 2 systems to fail.
 4. The will-supply-results segments should include the new optional electronic-delivery segment.
 5. The supply-details segment omits the new electronic-delivery-service parameter.
8. Solution Proposed by the Source:
 1. Reinstate the delivery-address segment.
 2. Add the e-delivery-description parameter to the electronic-delivery segment.
 3. Since the physical-delivery segment contains the same data element as the delivery-service segment, encoding compatibility between version 1 and version 2 systems can be retained by deleting the delivery-service segment, and giving the new physical-delivery segment the segment code (DLS) that was used by delivery-service.
 4. Reword the amendment to Annex B, clause B.6.2 to read:

“Delete the specification of the delivery-service segment, and replace it with the following two new segments, each filed correctly in the alphabetical sequence of segments (note that the segment code DLS is assigned to the physical-delivery segment to retain encoding compatibility with version 1 of the protocol):

Segment Name:	physical-delivery
Segment Code:	DLS
Data Elements:	transportation-mode

Segment Name:	electronic-delivery
Segment Code:	EDY
Data Elements:	e-delivery-mode e-delivery-parameters document-type-id document-type-parameters e-delivery-description -- the next three elements together form the e-delivery-details -- only one of e-delivery-address or e-delivery-id -- will be present e-delivery-address { telecom-service-identifier telecom-service-address } -- the next two elements together form the e-delivery-id: person-or-institution-symbol { person-symbol institution-symbol -- only one of these sub-elements may be present } name-of-person-or-institution { name-of-person name-of-institution -- only one of these sub-elements may be present name-or-code delivery-time -- this segment may be repeated

5. It is impossible to add electronic-delivery to supply-details in such a manner as to retain encoding

compatibility between versions 1 and 2. The recommended approach is to add a completely new supply-details segment to co-exist with the original one. The original segment will be used for version 1 APDUS and the new segment will be used for version 2 APDUs. The segments will have distinct names to clearly identify them. Add an additional amendment:

Annex B, clause B.6.2 -- Rename the existing supply-details segment (SUP) to “supply-details-version-1” and add a note to it as follows: “-- This segment may only be present in APDUs with a protocol-version-num value of 1.” Add a new segment immediately following:

Segment Name: supply-details-version-2
Segment Code: SPD
Data Elements:

- date-shipped
- the next two elements together form the date-due
- date-due-field
- renewable
- chargeable-units
- cost
 - {
 - currency-code
 - monetary-value
 - }
- shipped-conditions
- transportation-mode
- the next ten elements together form the electronic-delivery-service
- e-delivery-mode
- e-delivery-parameters
- document-type-id
- document-type-parameters
- e-delivery-description
- the next three elements together form the e-delivery-details
- only one of e-delivery-address or e-delivery-id
- will be present
- e-delivery-address
 - {
 - telecom-service-identifier
 - telecom-service-address
 - }
- the next two elements together form the e-delivery-id:
- person-or-institution-symbol
 - {
 - person-symbol
 - institution-symbol
 - only one of these sub-elements may be present
 - }
- name-of-person-or-institution
 - {
 - name-of-person
 - name-of-institution
 - only one of these sub-elements may be present
 - }
- name-or-code
- delivery-time
- end of electronic delivery service
- insured-for
 - {
 - currency-code
 - monetary-value
 - }
- return-insurance-required

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        {
            currency-code
            monetary-value
        }
no-of-units-per-medium
    {
        medium-type
        no-of-units
    }
-- this is a repeatable element

-- this segment may only be present in APDUs with a protocol-version-num
-- value of 2 or greater

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Annex B, clause 6.2 — Replace the specification of the will-supply-results segment (WSR) with the following:

Segment Name:	will-supply-results
Segment Code:	WSR
Data Elements:	<p>-- none; this segments comprises other segments rather than actual data elements.</p> <p>-- It includes the following segments:</p> <ul style="list-style-type: none"> reason-will-supply supply-date return-to-address location-info <p>-- this subordinate segment may be repeated</p> <ul style="list-style-type: none"> electronic-delivery-service <p>-- only one electronic-delivery-service segment may be present</p>

9. Secretariat's Response: For approval by ISO