



XML Examples for DED

DED-Examples

Version 2019-MAR

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Chapter 1 - Introduction

1.1 - Purpose

This is an informative supplement for DED. This document provides concrete examples of XML files implementing DED elements and attributes.

Chapter 2 - Example Files

2.1 - DEDAsExampleDED.xml

```
<?xml-model href="../../../Schematron/IC-EDH/IC-EDH_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><?xml-model href="../../../Schematron/ISM/ISM_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><?xml-model href="../../../Schematron/USAgency/USAgency_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><?xml-model href="../../../Schematron/DED/DED_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><?xml-model href="../../../Schematron/IC-ID/IC-ID_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><ded:DataElementDictionary xmlns:ded="urn:us:gov:ic:ded"
    xmlns:arh="urn:us:gov:ic:arh"
    xmlns:edh="urn:us:gov:ic:edh"
    xmlns:icid="urn:us:gov:ic:id"
    xmlns:usagency="urn:us:gov:ic:usagency"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    ded:DESVersion="201903"
    icid:DESVersion="202111"
    xsi:schemaLocation="urn:us:gov:ic:ded ../../../Schema/DED/DED.xsd">
  <ded:DedHeader>
    <edh:Edh edh:DESVersion="201903" usagency:CESVersion="202207">
      <icid:Identifier>guide://2020/abceb58f-cf52-47d8-8cb9-bb45479e9ec3</icid:Identifier>
      <edh:DataItemCreateDateTime>2019-03-01T00:00:00Z</edh:DataItemCreateDateTime>
      <edh:ResponsibleEntity edh:role="Custodian">
        <edh:Country>USA</edh:Country>
        <edh:Organization>USA.DNI</edh:Organization>
      </edh:ResponsibleEntity>
      <arh:Security ism:DESVersion="202111.202211"
        ism:ISMCATCESVersion="202211"
        ism:resourceElement="true"
        ism:compliesWith="USGov USIC"
        ism:createDate="2019-03-01"
        ism:classification="U"
        ism:ownerProducer="USA">
        <ism:NoticeList ism:ownerProducer="USA" ism:classification="U">
          <ism:Notice ism:unregisteredNoticeType="distroStatement"
            ism:ownerProducer="USA"
            ism:classification="U">
            <ism:NoticeText ism:ownerProducer="USA" ism:classification="U">Distribution Notice:
              This document has been approved for Public Release and is available for use without restriction.
            </ism:NoticeText>
          </ism:Notice>
        </ism:NoticeList>
      </arh:Security>
    </edh:Edh>
    <ded:DedTitle ism:ownerProducer="USA" ism:classification="U">Data Element Dictionary XML</ded:DedTitle>
    <ded:DedPurpose ism:ownerProducer="USA" ism:classification="U">The DED for DED's this is a Meta DED since it describes the Elements for Describing a
    DED</ded:DedPurpose>
    <ded:DedShortName>DED.XML</ded:DedShortName>
    <ded:DedVersion>2019-MAR</ded:DedVersion>
    <ded:DedPoc ism:ownerProducer="USA" ism:classification="U">ic-standards-support@iarpa.gov</ded:DedPoc>
    <ded:DedSubjectType>XML</ded:DedSubjectType>
  </ded:DedHeader>
  <ded:DataElement ism:classification="U" ism:ownerProducer="USA">
    <ded:ElementName ism:classification="U" ism:ownerProducer="USA">ElementName</ded:ElementName>
    <ded:ElementDefinition ism:classification="U" ism:ownerProducer="USA">The string identifier that represents the Data Element.</ded:ElementDefinition>
```

```

    <ded:ElementId>ded:ElementName</ded:ElementId>
  </ded:DataElement>
  <ded:DataElement ism:ownerProducer="USA" ism:classification="U">
    <ded:ElementName ism:ownerProducer="USA" ism:classification="U">DedTitle</ded:ElementName>
    <ded:ElementDefinition ism:ownerProducer="USA" ism:classification="U">The descriptive phrase that indicates the content of the Data Element
      Dictionary.</ded:ElementDefinition>
    <ded:ElementId>ded:DedTitle</ded:ElementId>
    <ded:ElementObjectType ism:ownerProducer="USA" ism:classification="U">Data_Structure</ded:ElementObjectType>
  </ded:DataElement>
  <ded:DataElement ism:ownerProducer="USA" ism:classification="U">
    <ded:ElementName ism:ownerProducer="USA" ism:classification="U">DedShortName</ded:ElementName>
    <ded:ElementDefinition ism:ownerProducer="USA" ism:classification="U">The short abbreviation that captures the intent of the DedTitle of the Data Element
      Dictionary (This value MUST be unclassified).</ded:ElementDefinition>
    <ded:ElementId>ded:DedShortName</ded:ElementId>
    <ded:ElementObjectType ism:ownerProducer="USA" ism:classification="U">Data_Structure</ded:ElementObjectType>
  </ded:DataElement>
  <ded:DataElement ism:ownerProducer="USA" ism:classification="U">
    <ded:ElementName ism:ownerProducer="USA" ism:classification="U">DedVersion</ded:ElementName>
    <ded:ElementDefinition ism:ownerProducer="USA" ism:classification="U">The short string that represents the unique state of the Data Element
      Dictionary.</ded:ElementDefinition>
    <ded:ElementId>ded:DedVersion</ded:ElementId>
    <ded:ElementObjectType ism:ownerProducer="USA" ism:classification="U">Data_Structure</ded:ElementObjectType>
  </ded:DataElement>
  <ded:DataElement ism:classification="U" ism:ownerProducer="USA">
    <ded:ElementName ism:classification="U" ism:ownerProducer="USA">ElementDefinition</ded:ElementName>
    <ded:ElementDefinition ism:classification="U" ism:ownerProducer="USA">A statement of the meaning of the Data Element, explaining what it is and/or its
      essential characteristics.</ded:ElementDefinition>
    <ded:ElementId>ded:ElementDefinition</ded:ElementId>
  </ded:DataElement>
  <ded:DataElement ism:ownerProducer="USA" ism:classification="U">
    <ded:ElementName ism:ownerProducer="USA" ism:classification="U">DedPurpose</ded:ElementName>
    <ded:ElementDefinition ism:ownerProducer="USA" ism:classification="U">The prose that identifies and describes the reason and scope of the model (e.g., the
      output) about which this Data Element Dictionary is providing guidance. If the source of the information
      contained in the DED is different from the DedHeader/edh/ResponsibleEntity, then the author should identify said
      source.</ded:ElementDefinition>
    <ded:ElementId>ded:DedPurpose</ded:ElementId>
    <ded:ElementObjectType ism:ownerProducer="USA" ism:classification="U">Data_Structure</ded:ElementObjectType>
  </ded:DataElement>
  <ded:DataElement ism:ownerProducer="USA" ism:classification="U">
    <ded:ElementName ism:ownerProducer="USA" ism:classification="U">DedSubjectType</ded:ElementName>
    <ded:ElementDefinition ism:ownerProducer="USA" ism:classification="U">A short descriptor that characterizes the format and/or structure of the output about
      which this Data Element Dictionary is providing guidance. The initial possible values are: Logical, UML,
      Physical, Ontology, Database, XML, JSON, CSV, CVE, and Other:SomeText. Multiple values may be used. Additional
      details about the DED Model should be added to DedPurpose.</ded:ElementDefinition>
    <ded:ElementId>ded:DedSubjectType</ded:ElementId>
  </ded:DataElement>
  <ded:DataElement ism:classification="U" ism:ownerProducer="USA">
    <ded:ElementName ism:classification="U" ism:ownerProducer="USA">ElementDefaultValue</ded:ElementName>
    <ded:ElementDefinition ism:classification="U" ism:ownerProducer="USA">The value that should be provided for the Data Element, if the Data Element does not
      exist or have content.</ded:ElementDefinition>
    <ded:ElementId>ded:ElementDefaultValue</ded:ElementId>
  </ded:DataElement>
  <ded:DataElement ism:classification="U" ism:ownerProducer="USA">
    <ded:ElementName ism:classification="U" ism:ownerProducer="USA">ElementDefinitionSource</ded:ElementName>

```

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    <ded:ElementDefinition ism:classification="U" ism:ownerProducer="USA">The cited authority(ies) or reference(s) for which the knowledge to develop the
        ElementDefinition was obtained or derived.</ded:ElementDefinition>
    <ded:ElementId>ded:ElementDefinitionSource</ded:ElementId>
</ded:DataElement>
<ded:DataElement ism:classification="U" ism:ownerProducer="USA">
    <ded:ElementName ism:classification="U" ism:ownerProducer="USA">ElementObligation</ded:ElementName>
    <ded:ElementDefinition ism:classification="U" ism:ownerProducer="USA">An indicator of whether the Data Element MUST be populated in all cases (i.e.,
        Mandatory); or if the Data Element is NOT required (i.e., Optional); or whether specific conditions for
        populating it are specified in ElementRestriction (i.e., Conditional). If conditional, then the condition
        should be defined in either ElementRestrictions or the Relationship Metadata section.</ded:ElementDefinition>
    <ded:ElementId>ded:ElementObligation</ded:ElementId>
    <ded:ElementObjectType ism:classification="U" ism:ownerProducer="USA">ded:EnumerationLocation: XSD type ObligationEnumType</ded:ElementObjectType>
</ded:DataElement>
<ded:DataElement ism:classification="U" ism:ownerProducer="USA">
    <ded:ElementName ism:classification="U" ism:ownerProducer="USA">ElementDomain</ded:ElementName>
    <ded:ElementDefinition ism:classification="U" ism:ownerProducer="USA">The context within which the Data Element belongs.</ded:ElementDefinition>
</ded:DataElement>
<ded:DataElement ism:ownerProducer="USA" ism:classification="U">
    <ded:ElementName ism:ownerProducer="USA" ism:classification="U">ElementId</ded:ElementName>
    <ded:ElementDefinition ism:ownerProducer="USA" ism:classification="U">The locally unique identifier of the Data Element.</ded:ElementDefinition>
    <ded:ElementId>ded:ElementId</ded:ElementId>
</ded:DataElement>
<ded:DataElement ism:classification="U" ism:ownerProducer="USA">
    <ded:ElementName ism:classification="U" ism:ownerProducer="USA">ElementRestrictions</ded:ElementName>
    <ded:ElementDefinition ism:classification="U" ism:ownerProducer="USA">A grouping of the additional constraints, if any, on the content entered for the Data
        Element (e.g., the maximum number of characters, the regex, uniqueness, min and/or max values, precision,
        scale). Special Cases: 1) If the DataType is an enumeration, then provide either (A) the enumerated list, or (B)
        a reference to a specific enumerated list; 2) If the DataType is a regex, then provide the actual regular
        expression.</ded:ElementDefinition>
    <ded:ElementId>ded:ElementRestrictions</ded:ElementId>
</ded:DataElement>
<ded:DataElement ism:classification="U" ism:ownerProducer="USA">
    <ded:ElementName ism:classification="U" ism:ownerProducer="USA">ElementRestriction</ded:ElementName>
    <ded:ElementDefinition ism:classification="U" ism:ownerProducer="USA">The additional constraints, if any, on the content entered for the Data Element (e.g.,
        the maximum number of characters, the regex, uniqueness, min and/or max values, precision, scale). Special
        Cases: 1) If the DataType is an enumeration, then provide either (A) the enumerated list, or (B) a reference to
        a specific enumerated list; 2) If the DataType is a regex, then provide the actual regular
        expression.</ded:ElementDefinition>
    <ded:ElementId>ded:ElementRestriction</ded:ElementId>
</ded:DataElement>
<ded:DataElement ism:classification="U" ism:ownerProducer="USA">
    <ded:ElementName ism:classification="U" ism:ownerProducer="USA">ElementComments</ded:ElementName>
    <ded:ElementDefinition ism:classification="U" ism:ownerProducer="USA">A grouping of additional clarifying notes, beyond what is contained within the
        Definition. Also, may contain implementation guidance or processing instructions.</ded:ElementDefinition>
    <ded:ElementId>ded:ElementComments</ded:ElementId>
</ded:DataElement>
<ded:DataElement ism:classification="U" ism:ownerProducer="USA">
    <ded:ElementName ism:classification="U" ism:ownerProducer="USA">ElementComment</ded:ElementName>
    <ded:ElementDefinition ism:classification="U" ism:ownerProducer="USA">Additional clarifying notes, beyond what is contained within the Definition. Also, may
        contain implementation guidance or processing instructions.</ded:ElementDefinition>
    <ded:ElementId>ded:ElementComment</ded:ElementId>
</ded:DataElement>
<ded:DataElement ism:classification="U" ism:ownerProducer="USA">
    <ded:ElementName ism:classification="U" ism:ownerProducer="USA">ElementDataType</ded:ElementName>

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    <ded:ElementDefinition ism:classification="U" ism:ownerProducer="USA">The format of the allowed values for the Data Element. (e.g., string, integer,
        float, uuid, datetime, boolean, alphanumeric, enumeration, regex).</ded:ElementDefinition>
    <ded:ElementId>ded:ElementObjectType</ded:ElementId>
</ded:DataElement>
<ded:DataElement ism:classification="U" ism:ownerProducer="USA">
    <ded:ElementName ism:classification="U" ism:ownerProducer="USA">ElementMultiplicity</ded:ElementName>
    <ded:ElementDefinition ism:classification="U" ism:ownerProducer="USA">This element follows the UML section 7.8.8 (MultiplicityElement) definition "A
        multiplicity is a definition of an inclusive interval of non-negative integers beginning with a lower bound and
        ending with a (possibly infinite) upper bound. A MultiplicityElement embeds this information to specify the
        allowable cardinalities for an instantiation of the Element." The exact tailoring of the UML is shown in the
        DES. Example notations [0..1], [0..*], [0..n] [1..1], [1..*], [1..n], [n..m]. Note that n and m here are
        variables that represent finite numbers. Actual use in a DED would replace n and m with the finite number(s)
        appropriate for the Element. For example, [0..6] means the Element is optional and can have up to 6 instances.
        [1..5] means the Element is required and can have up to 5 instances.</ded:ElementDefinition>
    <ded:ElementId>ded:ElementMutliplicity</ded:ElementId>
</ded:DataElement>
<ded:DataElement ism:classification="U" ism:ownerProducer="USA">
    <ded:ElementName ism:classification="U" ism:ownerProducer="USA">ElementObjectType</ded:ElementName>
    <ded:ElementDefinition ism:classification="U" ism:ownerProducer="USA">The kind of Data Element that is being defined (e.g., class, attribute, element,
        keyword, table).</ded:ElementDefinition>
    <ded:ElementId>ded:ElementObjectType</ded:ElementId>
</ded:DataElement>
<ded:DataElement ism:ownerProducer="USA" ism:classification="U">
    <ded:ElementName ism:ownerProducer="USA" ism:classification="U">DedPoc</ded:ElementName>
    <ded:ElementDefinition ism:ownerProducer="USA" ism:classification="U">The person or organization that Authored the DED.</ded:ElementDefinition>
    <ded:ElementId>ded:DedPoc</ded:ElementId>
</ded:DataElement>
<ded:DataElement ism:classification="U" ism:ownerProducer="USA">
    <ded:ElementName ism:classification="U" ism:ownerProducer="USA">ElementParentName</ded:ElementName>
    <ded:ElementDefinition ism:classification="U" ism:ownerProducer="USA">The ElementName(s) of another Data Element within the Data Element Dictionary, for which
        this Data Element is a child element.</ded:ElementDefinition>
    <ded:ElementId>ded:UsedByLocal</ded:ElementId>
</ded:DataElement>
<ded:DataElement ism:ownerProducer="USA" ism:classification="U">
    <ded:ElementName ism:ownerProducer="USA" ism:classification="U">DataElement</ded:ElementName>
    <ded:ElementDefinition ism:ownerProducer="USA" ism:classification="U">A wrapper element for showing the classification of an Element as a whole and for
        grouping the values relating to an element.</ded:ElementDefinition>
    <ded:ElementId>ded:DataElement</ded:ElementId>
</ded:DataElement>
<ded:DataElement ism:ownerProducer="USA" ism:classification="U">
    <ded:ElementName ism:ownerProducer="USA" ism:classification="U">Relationship</ded:ElementName>
    <ded:ElementDefinition ism:ownerProducer="USA" ism:classification="U">A wrapper element for showing the classification of a Relationship as a whole and for
        grouping the values relating to a relationship.</ded:ElementDefinition>
    <ded:ElementId>ded:Relationship</ded:ElementId>
</ded:DataElement>
<ded:DataElement ism:ownerProducer="USA" ism:classification="U">
    <ded:ElementName ism:ownerProducer="USA" ism:classification="U">ElementUnitOfMeasure</ded:ElementName>
    <ded:ElementDefinition ism:ownerProducer="USA" ism:classification="U">The kind of determinate quantity or magnitude, taken as a standard of comparison for
        others of the same kind, in assigning to them numerical values, such as inches, hours,
        miles.</ded:ElementDefinition>
    <ded:ElementId>ded:ElementUnitOfMeasure</ded:ElementId>
</ded:DataElement>
<ded:DataElement ism:ownerProducer="USA" ism:classification="U">
    <ded:ElementName ism:ownerProducer="USA" ism:classification="U">DedHeader</ded:ElementName>

```

```

    <ded:ElementDefinition ism:ownerProducer="USA" ism:classification="U">A container holding a set of resource-level information relevant to the entire Data
      Element Dictionary. This captures the following information concepts:</ded:ElementDefinition>
    <ded:ElementId>ded:DedHeader</ded:ElementId>
  </ded:DataElement>
  <ded:DataElement ism:ownerProducer="USA" ism:classification="U">
    <ded:ElementName ism:ownerProducer="USA" ism:classification="U">RelationshipLinkADomain</ded:ElementName>
    <ded:ElementDefinition ism:ownerProducer="USA" ism:classification="U">The context within which the Data Element A belongs.</ded:ElementDefinition>
    <ded:ElementId>ded:RelationshipLinkADomain</ded:ElementId>
  </ded:DataElement>
  <ded:DataElement ism:ownerProducer="USA" ism:classification="U">
    <ded:ElementName ism:ownerProducer="USA" ism:classification="U">RelationshipLinkAName</ded:ElementName>
    <ded:ElementDefinition ism:ownerProducer="USA" ism:classification="U">The string identifier that represents the Data Element A.</ded:ElementDefinition>
    <ded:ElementId>ded:RelationshipLinkAName</ded:ElementId>
  </ded:DataElement>
  <ded:DataElement ism:ownerProducer="USA" ism:classification="U">
    <ded:ElementName ism:ownerProducer="USA" ism:classification="U">RelationshipLinkAMultiplicity</ded:ElementName>
    <ded:ElementDefinition ism:ownerProducer="USA" ism:classification="U">This element follows the UML section 7.8.8 (MultiplicityElement) definition "A
      multiplicity is a definition of an inclusive interval of non-negative integers beginning with a lower bound and
      ending with a (possibly infinite) upper bound. A MultiplicityElement embeds this information to specify the
      allowable cardinalities for an instantiation of the Element." The exact tailoring of the UML is shown in the
      DES. Example notations [0..1], [0..*], [0..n] [1..1], [1..*], [1..n], [n..m]. Note that n and m here are
      variables that represent finite numbers. Actual use in a DED would replace n and m with the finite number(s)
      appropriate for the Relationship. For example, [0..6] means the Relationship is optional and can have up to 6
      instances. [1..5] means the Relationship is required and can have up to 5 instances. This element indicates the
      multiplicity of instances of A that must exist for a single instance of B and the greatest (or maximum) number
      of instances of A that can exist for a single instance of B.</ded:ElementDefinition>
    <ded:ElementId>ded:RelationshipLinkAMultiplicity</ded:ElementId>
  </ded:DataElement>
  <ded:DataElement ism:ownerProducer="USA" ism:classification="U">
    <ded:ElementName ism:ownerProducer="USA" ism:classification="U">RelationshipLinkBDomain</ded:ElementName>
    <ded:ElementDefinition ism:ownerProducer="USA" ism:classification="U">The context within which the Data Element B belongs.</ded:ElementDefinition>
    <ded:ElementId>ded:RelationshipLinkBDomain</ded:ElementId>
  </ded:DataElement>
  <ded:DataElement ism:ownerProducer="USA" ism:classification="U">
    <ded:ElementName ism:ownerProducer="USA" ism:classification="U">RelationshipLinkBName</ded:ElementName>
    <ded:ElementDefinition ism:ownerProducer="USA" ism:classification="U">The string identifier that represents the Data Element B.</ded:ElementDefinition>
    <ded:ElementId>ded:RelationshipLinkBName</ded:ElementId>
  </ded:DataElement>
  <ded:DataElement ism:ownerProducer="USA" ism:classification="U">
    <ded:ElementName ism:ownerProducer="USA" ism:classification="U">RelationshipLinkBMultiplicity</ded:ElementName>
    <ded:ElementDefinition ism:ownerProducer="USA" ism:classification="U">This element follows the UML section 7.8.8 (MultiplicityElement) definition "A
      multiplicity is a definition of an inclusive interval of non-negative integers beginning with a lower bound and
      ending with a (possibly infinite) upper bound. A MultiplicityElement embeds this information to specify the
      allowable cardinalities for an instantiation of the Element." The exact tailoring of the UML is shown in the
      DES. Example notations [0..1], [0..*], [0..n] [1..1], [1..*], [1..n], [n..m]. Note that n and m here are
      variables that represent finite numbers. Actual use in a DED would replace n and m with the finite number(s)
      appropriate for the Relationship. For example, [0..6] means the Relationship is optional and can have up to 6
      instances. [1..5] means the Relationship is required and can have up to 5 instances. This element indicates the
      multiplicity of instances of B that must exist for a single instance of A and the greatest (or maximum) number
      of instances of B that can exist for a single instance of A.</ded:ElementDefinition>
    <ded:ElementId>ded:RelationshipLinkBMultiplicity</ded:ElementId>
  </ded:DataElement>
  <ded:DataElement ism:ownerProducer="USA" ism:classification="U">
    <ded:ElementName ism:ownerProducer="USA" ism:classification="U">RelationshipDefinition</ded:ElementName>

```

```

    <ded:ElementDefinition ism:ownerProducer="USA" ism:classification="U">The additional information of how Link A and Link B interact with each other, beyond
        multiplicity information.</ded:ElementDefinition>
    <ded:ElementId>ded:RelationshipDefinition</ded:ElementId>
</ded:DataElement>
<ded:DataElement ism:ownerProducer="USA" ism:classification="U">
    <ded:ElementName ism:ownerProducer="USA" ism:classification="U">RelationshipDefinitionSource</ded:ElementName>
    <ded:ElementDefinition ism:ownerProducer="USA" ism:classification="U">The cited authority(ies) or reference(s) for which the knowledge to develop the
        RelationshipDefinition was obtained or derived.</ded:ElementDefinition>
    <ded:ElementId>ded:RelationshipDefinitionSource</ded:ElementId>
</ded:DataElement>
<ded:DataElement ism:ownerProducer="USA" ism:classification="U">
    <ded:ElementName ism:ownerProducer="USA" ism:classification="U">RelationshipComments</ded:ElementName>
    <ded:ElementDefinition ism:ownerProducer="USA" ism:classification="U">A grouping of additional clarifying notes, beyond what is contained within the
        RelationshipDefinition or the Relationship Multiplicities. Also, may contain implementation guidance or
        processing instructions.</ded:ElementDefinition>
    <ded:ElementId>ded:RelationshipComments</ded:ElementId>
</ded:DataElement>
<ded:DataElement ism:ownerProducer="USA" ism:classification="U">
    <ded:ElementName ism:ownerProducer="USA" ism:classification="U">RelationshipComment</ded:ElementName>
    <ded:ElementDefinition ism:ownerProducer="USA" ism:classification="U">Additional clarifying notes, beyond what is contained within the RelationshipDefinition
        or the Relationship Multiplicities. Also, may contain implementation guidance or processing
        instructions.</ded:ElementDefinition>
    <ded:ElementId>ded:RelationshipComment</ded:ElementId>
</ded:DataElement>
<ded:DataElement ism:ownerProducer="USA" ism:classification="U">
    <ded:ElementName ism:ownerProducer="USA" ism:classification="U">RelationshipName</ded:ElementName>
    <ded:ElementDefinition ism:ownerProducer="USA" ism:classification="U">The string identifier that represents the Relationship.</ded:ElementDefinition>
    <ded:ElementId>ded:RelationshipName</ded:ElementId>
</ded:DataElement>
<ded:DataElement ism:ownerProducer="USA" ism:classification="U">
    <ded:ElementName ism:ownerProducer="USA" ism:classification="U">RelationshipId</ded:ElementName>
    <ded:ElementDefinition ism:ownerProducer="USA" ism:classification="U">The locally unique identifier of the Relationship.</ded:ElementDefinition>
    <ded:ElementId>ded:RelationshipId</ded:ElementId>
</ded:DataElement>
</ded:DataElementDictionary>

```

2.2 - DEDAsExampleDED-Docbook.xml

```
<d:book version="5.0-ExtendForISM" xml:lang="en">
  <d:info>
    <d:releaseinfo>UNCLASSIFIED</d:releaseinfo>
    <d:title>(U) Data Element Dictionary for Data Element Dictionary XML</d:title>
    <d:author>
      <d:orgname>Prepared by DNI</d:orgname>
    </d:author>
  </d:info>
  <d:chapter>
    <d:title>Data Elements</d:title>
    <d:section>
      <d:title>(U) DataElement</d:title>
      <d:table frame="all" rowsep="1" colsep="1" xml:id="DataElement">
        <d:title>(U) DataElement</d:title>
        <d:indexterm>
          <d:primary>DataElement</d:primary>
        </d:indexterm>
        <d:tgroup cols="2" align="left">
          <d:colspec colname="c1" colnum="1" colwidth="1*" />
          <d:colspec colname="c2" colnum="2" colwidth="3*" />
          <d:thead>
            <d:row>
              <d:entry namest="c1" nameend="c2" align="center">
                <d:para>(U) The DataElement table is UNCLASSIFIED</d:para>
              </d:entry>
            </d:row>
            <d:row>
              <d:entry>
                <d:para>DED Field Name</d:para>
              </d:entry>
              <d:entry>
                <d:para>Value</d:para>
              </d:entry>
            </d:row>
          </d:thead>
          <d:tbody>
            <d:row>
              <d:entry>
                <d:para>ElementDefinition</d:para>
              </d:entry>
              <d:entry>
                <d:para>(U) A wrapper element for showing the classification of an Element as a whole and for grouping the values relating
to an element.</d:para>
              </d:entry>
            </d:row>
            <d:row>
              <d:entry>
                <d:para>ElementId</d:para>
              </d:entry>
              <d:entry>
                <d:para>(U) ded:DataElement</d:para>
              </d:entry>
            </d:row>
          </d:tbody>
        </d:tgroup>
      </d:table>
    </d:section>
  </d:chapter>
</d:book>
```

```

    </d:row>
    <d:row>
      <d:entry>
        <d:para>ElementName</d:para>
      </d:entry>
      <d:entry>
        <d:para>(U) DataElement</d:para>
      </d:entry>
    </d:row>
  </d:tbody>
</d:tgroup>
</d:table>
</d:section>
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  <d:table frame="all" rowsep="1" colsep="1" xml:id="DedHeader">
    <d:title>(U) DedHeader</d:title>
    <d:indexterm>
      <d:primary>DedHeader</d:primary>
    </d:indexterm>
    <d:tgroup cols="2" align="left">
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      <d:colspec colname="c2" colnum="2" colwidth="3*" />
      <d:thead>
        <d:row>
          <d:entry namest="c1" nameend="c2" align="center">
            <d:para>(U) The DedHeader table is UNCLASSIFIED</d:para>
          </d:entry>
        </d:row>
        <d:row>
          <d:entry>
            <d:para>DED Field Name</d:para>
          </d:entry>
          <d:entry>
            <d:para>Value</d:para>
          </d:entry>
        </d:row>
      </d:thead>
      <d:tbody>
        <d:row>
          <d:entry>
            <d:para>ElementDefinition</d:para>
          </d:entry>
          <d:entry>
            <d:para>(U) A container holding a set of resource-level information relevant to the entire Data Element Dictionary. This captures the following information concepts:</d:para>
          </d:entry>
        </d:row>
        <d:row>
          <d:entry>
            <d:para>ElementId</d:para>
          </d:entry>
          <d:entry>
            <d:para>(U) ded:DedHeader</d:para>
          </d:entry>
        </d:row>
      </d:tbody>
    </d:tgroup>
  </d:table>
</d:section>

```

```

        </d:entry>
    </d:row>
</d:row>
    <d:entry>
        <d:para>ElementName</d:para>
    </d:entry>
    <d:entry>
        <d:para>(U) DedHeader</d:para>
    </d:entry>
</d:row>
</d:tbody>
</d:tgroup>
</d:table>
</d:section>
<d:section>
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    <d:table frame="all" rowsep="1" colsep="1" xml:id="DedPoc">
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        <d:indexterm>
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        </d:indexterm>
        <d:tgroup cols="2" align="left">
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            <d:colspec colname="c2" colnum="2" colwidth="3*" />
            <d:thead>
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                    <d:entry namest="c1" nameend="c2" align="center">
                        <d:para>(U) The DedPoc table is UNCLASSIFIED</d:para>
                    </d:entry>
                </d:row>
                <d:row>
                    <d:entry>
                        <d:para>DED Field Name</d:para>
                    </d:entry>
                    <d:entry>
                        <d:para>Value</d:para>
                    </d:entry>
                </d:row>
            </d:thead>
            <d:tbody>
                <d:row>
                    <d:entry>
                        <d:para>ElementDefinition</d:para>
                    </d:entry>
                    <d:entry>
                        <d:para>(U) The person or organization that Authored the DED.</d:para>
                    </d:entry>
                </d:row>
                <d:row>
                    <d:entry>
                        <d:para>ElementId</d:para>
                    </d:entry>
                    <d:entry>
                        <d:para>(U) ded:DedPoc</d:para>
                    </d:entry>
                </d:row>
            </d:tbody>
        </d:tgroup>
    </d:table>
</d:section>
</ded:ded>
```

```

    </d:entry>
  </d:row>
<d:row>
  <d:entry>
    <d:para>ElementName</d:para>
  </d:entry>
  <d:entry>
    <d:para>(U) DedPoc</d:para>
  </d:entry>
</d:row>
</d:tbody>
</d:tgroup>
</d:table>
</d:section>
<d:section>
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  <d:table frame="all" rowsep="1" colsep="1" xml:id="DedPurpose">
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    <d:indexterm>
      <d:primary>DedPurpose</d:primary>
    </d:indexterm>
    <d:tgroup cols="2" align="left">
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      <d:colspec colname="c2" colnum="2" colwidth="3*" />
      <d:thead>
        <d:row>
          <d:entry namest="c1" nameend="c2" align="center">
            <d:para>(U) The DedPurpose table is UNCLASSIFIED</d:para>
          </d:entry>
        </d:row>
        <d:row>
          <d:entry>
            <d:para>DED Field Name</d:para>
          </d:entry>
          <d:entry>
            <d:para>Value</d:para>
          </d:entry>
        </d:row>
      </d:thead>
      <d:tbody>
        <d:row>
          <d:entry>
            <d:para>ElementDefinition</d:para>
          </d:entry>
          <d:entry>
            <d:para>(U) The prose that identifies and describes the reason and scope of the model (e.g., the output) about which this
Data Element Dictionary is providing guidance. If the source of the information contained in the DED is different
from the DedHeader/edh/ResponsibleEntity, then the author should identify said source.</d:para>
          </d:entry>
        </d:row>
        <d:row>
          <d:entry>
            <d:para>ElementId</d:para>
          </d:entry>
        </d:row>
      </d:tbody>
    </d:tgroup>
  </d:table>

```

```

    <d:entry>
      <d:para>(U) ded:DedPurpose</d:para>
    </d:entry>
  </d:row>
  <d:row>
    <d:entry>
      <d:para>ElementName</d:para>
    </d:entry>
    <d:entry>
      <d:para>(U) DedPurpose</d:para>
    </d:entry>
  </d:row>
  <d:row>
    <d:entry>
      <d:para>ElementObjectType</d:para>
    </d:entry>
    <d:entry>
      <d:para>(U) Data_Structure</d:para>
    </d:entry>
  </d:row>
</d:tbody>
</d:tgroup>
</d:table>
</d:section>
<d:section>
  <d:title>(U) DedShortName</d:title>
  <d:table frame="all" rowsep="1" colsep="1" xml:id="DedShortName">
    <d:title>(U) DedShortName</d:title>
    <d:indexterm>
      <d:primary>DedShortName</d:primary>
    </d:indexterm>
    <d:tgroup cols="2" align="left">
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      <d:colspec colname="c2" colnum="2" colwidth="3*" />
      <d:thead>
        <d:row>
          <d:entry namest="c1" nameend="c2" align="center">
            <d:para>(U) The DedShortName table is UNCLASSIFIED</d:para>
          </d:entry>
        </d:row>
        <d:row>
          <d:entry>
            <d:para>DED Field Name</d:para>
          </d:entry>
          <d:entry>
            <d:para>Value</d:para>
          </d:entry>
        </d:row>
      </d:thead>
      <d:tbody>
        <d:row>
          <d:entry>
            <d:para>ElementDefinition</d:para>
          </d:entry>
        </d:row>
      </d:tbody>
    </d:tgroup>
  </d:table>

```

```

        <d:entry>
          <d:para>(U) The short abbreviation that captures the intent of the DedTitle of the Data Element Dictionary (This value MUST
be unclassified).</d:para>
        </d:entry>
      </d:row>
    <d:row>
      <d:entry>
        <d:para>ElementId</d:para>
      </d:entry>
      <d:entry>
        <d:para>(U) ded:DedShortName</d:para>
      </d:entry>
    </d:row>
    <d:row>
      <d:entry>
        <d:para>ElementName</d:para>
      </d:entry>
      <d:entry>
        <d:para>(U) DedShortName</d:para>
      </d:entry>
    </d:row>
    <d:row>
      <d:entry>
        <d:para>ElementObjectType</d:para>
      </d:entry>
      <d:entry>
        <d:para>(U) Data_Structure</d:para>
      </d:entry>
    </d:row>
  </d:tbody>
</d:tgroup>
</d:table>
</d:section>
<d:section>
  <d:title>(U) DedSubjectType</d:title>
  <d:table frame="all" rowsep="1" colsep="1" xml:id="DedSubjectType">
    <d:title>(U) DedSubjectType</d:title>
    <d:indexterm>
      <d:primary>DedSubjectType</d:primary>
    </d:indexterm>
    <d:tgroup cols="2" align="left">
      <d:colspec colname="c1" colnum="1" colwidth="1*" />
      <d:colspec colname="c2" colnum="2" colwidth="3*" />
      <d:thead>
        <d:row>
          <d:entry namest="c1" nameend="c2" align="center">
            <d:para>(U) The DedSubjectType table is UNCLASSIFIED</d:para>
          </d:entry>
        </d:row>
        <d:row>
          <d:entry>
            <d:para>DED Field Name</d:para>
          </d:entry>
        </d:row>
      </d:thead>
    </d:tgroup>
  </d:table>

```

```

        <d:para>Value</d:para>
      </d:entry>
    </d:row>
  </d:thead>
  <d:tbody>
    <d:row>
      <d:entry>
        <d:para>ElementDefinition</d:para>
      </d:entry>
      <d:entry>
        <d:para>(U) A short descriptor that characterizes the format and/or structure of the output about which this Data Element
Dictionary is providing guidance. The initial possible values are: Logical, UML, Physical, Ontology, Database, XML,
JSON, CSV, CVE, and Other:SomeText. Multiple values may be used. Additional details about the DED Model should be added to
DedPurpose.</d:para>
      </d:entry>
    </d:row>
    <d:row>
      <d:entry>
        <d:para>ElementId</d:para>
      </d:entry>
      <d:entry>
        <d:para>(U) ded:DedSubjectType</d:para>
      </d:entry>
    </d:row>
    <d:row>
      <d:entry>
        <d:para>ElementName</d:para>
      </d:entry>
      <d:entry>
        <d:para>(U) DedSubjectType</d:para>
      </d:entry>
    </d:row>
  </d:tbody>
</d:tgroup>
</d:table>
</d:section>
<d:section>
  <d:title>(U) DedTitle</d:title>
  <d:table frame="all" rowsep="1" colsep="1" xml:id="DedTitle">
    <d:title>(U) DedTitle</d:title>
    <d:indexterm>
      <d:primary>DedTitle</d:primary>
    </d:indexterm>
    <d:tgroup cols="2" align="left">
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      <d:colspec colname="c2" colnum="2" colwidth="3*" />
      <d:thead>
        <d:row>
          <d:entry namest="c1" nameend="c2" align="center">
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          </d:entry>
        </d:row>
        <d:row>
          <d:entry>

```

```

        <d:para>DED Field Name</d:para>
    </d:entry>
    <d:entry>
        <d:para>Value</d:para>
    </d:entry>
</d:row>
</d:thead>
<d:tbody>
    <d:row>
        <d:entry>
            <d:para>ElementDefinition</d:para>
        </d:entry>
        <d:entry>
            <d:para>(U) The descriptive phrase that indicates the content of the Data Element Dictionary.</d:para>
        </d:entry>
    </d:row>
    <d:row>
        <d:entry>
            <d:para>ElementId</d:para>
        </d:entry>
        <d:entry>
            <d:para>(U) ded:DedTitle</d:para>
        </d:entry>
    </d:row>
    <d:row>
        <d:entry>
            <d:para>ElementName</d:para>
        </d:entry>
        <d:entry>
            <d:para>(U) DedTitle</d:para>
        </d:entry>
    </d:row>
    <d:row>
        <d:entry>
            <d:para>ElementObjectType</d:para>
        </d:entry>
        <d:entry>
            <d:para>(U) Data_Structure</d:para>
        </d:entry>
    </d:row>
</d:tbody>
</d:tgroup>
</d:table>
</d:section>
<d:section>
    <d:title>(U) DedVersion</d:title>
    <d:table frame="all" rowsep="1" colsep="1" xml:id="DedVersion">
        <d:title>(U) DedVersion</d:title>
        <d:indexterm>
            <d:primary>DedVersion</d:primary>
        </d:indexterm>
        <d:tgroup cols="2" align="left">
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            <d:colspec colname="c2" colnum="2" colwidth="3*"/>

```

```
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    </d:entry>
  </d:row>
  <d:row>
    <d:entry>
      <d:para>DED Field Name</d:para>
    </d:entry>
    <d:entry>
      <d:para>Value</d:para>
    </d:entry>
  </d:row>
</d:thead>
<d:tbody>
  <d:row>
    <d:entry>
      <d:para>ElementDefinition</d:para>
    </d:entry>
    <d:entry>
      <d:para>(U) The short string that represents the unique state of the Data Element Dictionary.</d:para>
    </d:entry>
  </d:row>
  <d:row>
    <d:entry>
      <d:para>ElementId</d:para>
    </d:entry>
    <d:entry>
      <d:para>(U) ded:DedVersion</d:para>
    </d:entry>
  </d:row>
  <d:row>
    <d:entry>
      <d:para>ElementName</d:para>
    </d:entry>
    <d:entry>
      <d:para>(U) DedVersion</d:para>
    </d:entry>
  </d:row>
  <d:row>
    <d:entry>
      <d:para>ElementObjectType</d:para>
    </d:entry>
    <d:entry>
      <d:para>(U) Data_Structure</d:para>
    </d:entry>
  </d:row>
</d:tbody>
</d:tgroup>
</d:table>
</d:section>
<d:section>
  <d:title>(U) ElementComment</d:title>
```

```
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  <d:indexterm>
    <d:primary>ElementComment</d:primary>
  </d:indexterm>
  <d:tgroup cols="2" align="left">
    <d:colspec colname="c1" colnum="1" colwidth="1*" />
    <d:colspec colname="c2" colnum="2" colwidth="3*" />
    <d:thead>
      <d:row>
        <d:entry namest="c1" nameend="c2" align="center">
          <d:para>(U) The ElementComment table is UNCLASSIFIED</d:para>
        </d:entry>
      </d:row>
      <d:row>
        <d:entry>
          <d:para>DED Field Name</d:para>
        </d:entry>
        <d:entry>
          <d:para>Value</d:para>
        </d:entry>
      </d:row>
    </d:thead>
    <d:tbody>
      <d:row>
        <d:entry>
          <d:para>ElementDefinition</d:para>
        </d:entry>
        <d:entry>
          <d:para>(U) Additional clarifying notes, beyond what is contained within the Definition. Also, may contain implementation
guidance or processing instructions.</d:para>
        </d:entry>
      </d:row>
      <d:row>
        <d:entry>
          <d:para>ElementId</d:para>
        </d:entry>
        <d:entry>
          <d:para>(U) ded:ElementComment</d:para>
        </d:entry>
      </d:row>
      <d:row>
        <d:entry>
          <d:para>ElementName</d:para>
        </d:entry>
        <d:entry>
          <d:para>(U) ElementComment</d:para>
        </d:entry>
      </d:row>
    </d:tbody>
  </d:tgroup>
</d:table>
</d:section>
<d:section>
```

```
<d:title>(U) ElementComments</d:title>
<d:table frame="all" rowsep="1" colsep="1" xml:id="ElementComments">
  <d:title>(U) ElementComments</d:title>
  <d:indexterm>
    <d:primary>ElementComments</d:primary>
  </d:indexterm>
  <d:tgroup cols="2" align="left">
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    <d:colspec colname="c2" colnum="2" colwidth="3*" />
    <d:thead>
      <d:row>
        <d:entry namest="c1" nameend="c2" align="center">
          <d:para>(U) The ElementComments table is UNCLASSIFIED</d:para>
        </d:entry>
      </d:row>
      <d:row>
        <d:entry>
          <d:para>DED Field Name</d:para>
        </d:entry>
        <d:entry>
          <d:para>Value</d:para>
        </d:entry>
      </d:row>
    </d:thead>
    <d:tbody>
      <d:row>
        <d:entry>
          <d:para>ElementDefinition</d:para>
        </d:entry>
        <d:entry>
          <d:para>(U) A grouping of additional clarifying notes, beyond what is contained within the Definition. Also, may contain
implementation guidance or processing instructions.</d:para>
        </d:entry>
      </d:row>
      <d:row>
        <d:entry>
          <d:para>ElementId</d:para>
        </d:entry>
        <d:entry>
          <d:para>(U) ded:ElementComments</d:para>
        </d:entry>
      </d:row>
      <d:row>
        <d:entry>
          <d:para>ElementName</d:para>
        </d:entry>
        <d:entry>
          <d:para>(U) ElementComments</d:para>
        </d:entry>
      </d:row>
    </d:tbody>
  </d:tgroup>
</d:table>
</d:section>
```

```
<d:section>
  <d:title>(U) ElementDataType</d:title>
  <d:table frame="all" rowsep="1" colsep="1" xml:id="ElementDataType">
    <d:title>(U) ElementDataType</d:title>
    <d:indexterm>
      <d:primary>ElementDataType</d:primary>
    </d:indexterm>
    <d:tgroup cols="2" align="left">
      <d:colspec colname="c1" colnum="1" colwidth="1*" />
      <d:colspec colname="c2" colnum="2" colwidth="3*" />
      <d:thead>
        <d:row>
          <d:entry namest="c1" nameend="c2" align="center">
            <d:para>(U) The ElementDataType table is UNCLASSIFIED</d:para>
          </d:entry>
        </d:row>
        <d:row>
          <d:entry>
            <d:para>DED Field Name</d:para>
          </d:entry>
          <d:entry>
            <d:para>Value</d:para>
          </d:entry>
        </d:row>
      </d:thead>
      <d:tbody>
        <d:row>
          <d:entry>
            <d:para>ElementDefinition</d:para>
          </d:entry>
          <d:entry>
            <d:para>(U) The format of the allowed values for the Data Element. (e.g., string, integer, float, uuid, datetime,
boolean, alphanumeric, enumeration, regex).</d:para>
          </d:entry>
        </d:row>
        <d:row>
          <d:entry>
            <d:para>ElementId</d:para>
          </d:entry>
          <d:entry>
            <d:para>(U) ded:ElementObjectType</d:para>
          </d:entry>
        </d:row>
        <d:row>
          <d:entry>
            <d:para>ElementName</d:para>
          </d:entry>
          <d:entry>
            <d:para>(U) ElementDataType</d:para>
          </d:entry>
        </d:row>
      </d:tbody>
    </d:tgroup>
  </d:table>
```

```
</d:section>
<d:section>
  <d:title>(U) ElementDefaultValue</d:title>
  <d:table frame="all" rowsep="1" colsep="1" xml:id="ElementDefaultValue">
    <d:title>(U) ElementDefaultValue</d:title>
    <d:indexterm>
      <d:primary>ElementDefaultValue</d:primary>
    </d:indexterm>
    <d:tgroup cols="2" align="left">
      <d:colspec colname="c1" colnum="1" colwidth="1*" />
      <d:colspec colname="c2" colnum="2" colwidth="3*" />
      <d:thead>
        <d:row>
          <d:entry namest="c1" nameend="c2" align="center">
            <d:para>(U) The ElementDefaultValue table is UNCLASSIFIED</d:para>
          </d:entry>
        </d:row>
        <d:row>
          <d:entry>
            <d:para>DED Field Name</d:para>
          </d:entry>
          <d:entry>
            <d:para>Value</d:para>
          </d:entry>
        </d:row>
      </d:thead>
      <d:tbody>
        <d:row>
          <d:entry>
            <d:para>ElementDefinition</d:para>
          </d:entry>
          <d:entry>
            <d:para>(U) The value that should be provided for the Data Element, if the Data Element does not exist or have
content.</d:para>
          </d:entry>
        </d:row>
        <d:row>
          <d:entry>
            <d:para>ElementId</d:para>
          </d:entry>
          <d:entry>
            <d:para>(U) ded:ElementDefaultValue</d:para>
          </d:entry>
        </d:row>
        <d:row>
          <d:entry>
            <d:para>ElementName</d:para>
          </d:entry>
          <d:entry>
            <d:para>(U) ElementDefaultValue</d:para>
          </d:entry>
        </d:row>
      </d:tbody>
    </d:tgroup>
```

```

    </d:table>
  </d:section>
  <d:section>
    <d:title>(U) ElementDefinition</d:title>
    <d:table frame="all" rowsep="1" colsep="1" xml:id="ElementDefinition">
      <d:title>(U) ElementDefinition</d:title>
      <d:indexterm>
        <d:primary>ElementDefinition</d:primary>
      </d:indexterm>
      <d:tgroup cols="2" align="left">
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        <d:colspec colname="c2" colnum="2" colwidth="3*" />
        <d:thead>
          <d:row>
            <d:entry namest="c1" nameend="c2" align="center">
              <d:para>(U) The ElementDefinition table is UNCLASSIFIED</d:para>
            </d:entry>
          </d:row>
          <d:row>
            <d:entry>
              <d:para>DED Field Name</d:para>
            </d:entry>
            <d:entry>
              <d:para>Value</d:para>
            </d:entry>
          </d:row>
        </d:thead>
        <d:tbody>
          <d:row>
            <d:entry>
              <d:para>ElementDefinition</d:para>
            </d:entry>
            <d:entry>
              <d:para>(U) A statement of the meaning of the Data Element, explaining what it is and/or its essential
characteristics.</d:para>
            </d:entry>
          </d:row>
          <d:row>
            <d:entry>
              <d:para>ElementId</d:para>
            </d:entry>
            <d:entry>
              <d:para>(U) ded:ElementDefinition</d:para>
            </d:entry>
          </d:row>
          <d:row>
            <d:entry>
              <d:para>ElementName</d:para>
            </d:entry>
            <d:entry>
              <d:para>(U) ElementDefinition</d:para>
            </d:entry>
          </d:row>
        </d:tbody>
      </d:tgroup>
    </d:table>
  </d:section>

```

```

    </d:tgroup>
  </d:table>
</d:section>
<d:section>
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  <d:table frame="all"
    rowsep="1"
    colsep="1"
    xml:id="ElementDefinitionSource">
    <d:title>(U) ElementDefinitionSource</d:title>
    <d:indexterm>
      <d:primary>ElementDefinitionSource</d:primary>
    </d:indexterm>
    <d:tgroup cols="2" align="left">
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      <d:colspec colname="c2" colnum="2" colwidth="3*" />
      <d:thead>
        <d:row>
          <d:entry namest="c1" nameend="c2" align="center">
            <d:para>(U) The ElementDefinitionSource table is UNCLASSIFIED</d:para>
          </d:entry>
        </d:row>
        <d:row>
          <d:entry>
            <d:para>DED Field Name</d:para>
          </d:entry>
          <d:entry>
            <d:para>Value</d:para>
          </d:entry>
        </d:row>
      </d:thead>
      <d:tbody>
        <d:row>
          <d:entry>
            <d:para>ElementDefinition</d:para>
          </d:entry>
          <d:entry>
            <d:para>(U) The cited authority(ies) or reference(s) for which the knowledge to develop the ElementDefinition was obtained
or derived.</d:para>
          </d:entry>
        </d:row>
        <d:row>
          <d:entry>
            <d:para>ElementId</d:para>
          </d:entry>
          <d:entry>
            <d:para>(U) ded:ElementDefinitionSource</d:para>
          </d:entry>
        </d:row>
        <d:row>
          <d:entry>
            <d:para>ElementName</d:para>
          </d:entry>
          <d:entry>

```

```

        <d:para>(U) ElementDefinitionSource</d:para>
      </d:entry>
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  </d:tbody>
</d:tgroup>
</d:table>
</d:section>
<d:section>
  <d:title>(U) ElementDomain</d:title>
  <d:table frame="all" rowsep="1" colsep="1" xml:id="ElementDomain">
    <d:title>(U) ElementDomain</d:title>
    <d:indexterm>
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    </d:indexterm>
    <d:tgroup cols="2" align="left">
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      <d:colspec colname="c2" colnum="2" colwidth="3*" />
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        <d:row>
          <d:entry namest="c1" nameend="c2" align="center">
            <d:para>(U) The ElementDomain table is UNCLASSIFIED</d:para>
          </d:entry>
        </d:row>
        <d:row>
          <d:entry>
            <d:para>DED Field Name</d:para>
          </d:entry>
          <d:entry>
            <d:para>Value</d:para>
          </d:entry>
        </d:row>
      </d:thead>
      <d:tbody>
        <d:row>
          <d:entry>
            <d:para>ElementDefinition</d:para>
          </d:entry>
          <d:entry>
            <d:para>(U) The context within which the Data Element belongs.</d:para>
          </d:entry>
        </d:row>
        <d:row>
          <d:entry>
            <d:para>ElementName</d:para>
          </d:entry>
          <d:entry>
            <d:para>(U) ElementDomain</d:para>
          </d:entry>
        </d:row>
      </d:tbody>
    </d:tgroup>
  </d:table>
</d:section>
<d:section>
```

```
<d:title>(U) ElementId</d:title>
<d:table frame="all" rowsep="1" colsep="1" xml:id="ElementId">
  <d:title>(U) ElementId</d:title>
  <d:indexterm>
    <d:primary>ElementId</d:primary>
  </d:indexterm>
  <d:tgroup cols="2" align="left">
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    <d:colspec colname="c2" colnum="2" colwidth="3*" />
    <d:thead>
      <d:row>
        <d:entry namest="c1" nameend="c2" align="center">
          <d:para>(U) The ElementId table is UNCLASSIFIED</d:para>
        </d:entry>
      </d:row>
      <d:row>
        <d:entry>
          <d:para>DED Field Name</d:para>
        </d:entry>
        <d:entry>
          <d:para>Value</d:para>
        </d:entry>
      </d:row>
    </d:thead>
    <d:tbody>
      <d:row>
        <d:entry>
          <d:para>ElementDefinition</d:para>
        </d:entry>
        <d:entry>
          <d:para>(U) The locally unique identifier of the Data Element.</d:para>
        </d:entry>
      </d:row>
      <d:row>
        <d:entry>
          <d:para>ElementId</d:para>
        </d:entry>
        <d:entry>
          <d:para>(U) ded:ElementId</d:para>
        </d:entry>
      </d:row>
      <d:row>
        <d:entry>
          <d:para>ElementName</d:para>
        </d:entry>
        <d:entry>
          <d:para>(U) ElementId</d:para>
        </d:entry>
      </d:row>
    </d:tbody>
  </d:tgroup>
</d:table>
</d:section>
<d:section>
```

```
<d:title>(U) ElementMultiplicity</d:title>
<d:table frame="all" rowsep="1" colsep="1" xml:id="ElementMultiplicity">
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  <d:indexterm>
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  </d:indexterm>
  <d:tgroup cols="2" align="left">
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    <d:colspec colname="c2" colnum="2" colwidth="3*" />
    <d:thead>
      <d:row>
        <d:entry namest="c1" nameend="c2" align="center">
          <d:para>(U) The ElementMultiplicity table is UNCLASSIFIED</d:para>
        </d:entry>
      </d:row>
      <d:row>
        <d:entry>
          <d:para>DED Field Name</d:para>
        </d:entry>
        <d:entry>
          <d:para>Value</d:para>
        </d:entry>
      </d:row>
    </d:thead>
    <d:tbody>
      <d:row>
        <d:entry>
          <d:para>ElementDefinition</d:para>
        </d:entry>
        <d:entry>
          <d:para>(U) This element follows the UML section 7.8.8 (MultiplicityElement) definition "A multiplicity is a definition of
an inclusive interval of non-negative integers beginning with a lower bound and ending with a (possibly infinite) upper
bound. A MultiplicityElement embeds this information to specify the allowable cardinalities for an instantiation of the
Element." The exact tailoring of the UML is shown in the DES. Example notations [0..1], [0..*], [0..n] [1..1], [1..*],
[1..n], [n..m]. Note that n and m here are variables that represent finite numbers. Actual use in a DED would replace n and
m with the finite number(s) appropriate for the Element. For example, [0..6] means the Element is optional and can have up
to 6 instances. [1..5] means the Element is required and can have up to 5 instances.</d:para>
        </d:entry>
      </d:row>
      <d:row>
        <d:entry>
          <d:para>ElementId</d:para>
        </d:entry>
        <d:entry>
          <d:para>(U) ded:ElementMutliplicity</d:para>
        </d:entry>
      </d:row>
      <d:row>
        <d:entry>
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        </d:entry>
        <d:entry>
          <d:para>(U) ElementMultiplicity</d:para>
        </d:entry>
      </d:row>
    </d:tbody>
  </d:tgroup>
</d:table>
```

```

        </d:row>
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  </d:table>
</d:section>
<d:section>
  <d:title>(U) ElementName</d:title>
  <d:table frame="all" rowsep="1" colsep="1" xml:id="ElementName">
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    <d:indexterm>
      <d:primary>ElementName</d:primary>
    </d:indexterm>
    <d:tgroup cols="2" align="left">
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      <d:colspec colname="c2" colnum="2" colwidth="3*" />
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        <d:row>
          <d:entry namest="c1" nameend="c2" align="center">
            <d:para>(U) The ElementName table is UNCLASSIFIED</d:para>
          </d:entry>
        </d:row>
        <d:row>
          <d:entry>
            <d:para>DED Field Name</d:para>
          </d:entry>
          <d:entry>
            <d:para>Value</d:para>
          </d:entry>
        </d:row>
      </d:thead>
      <d:tbody>
        <d:row>
          <d:entry>
            <d:para>ElementDefinition</d:para>
          </d:entry>
          <d:entry>
            <d:para>(U) The string identifier that represents the Data Element.</d:para>
          </d:entry>
        </d:row>
        <d:row>
          <d:entry>
            <d:para>ElementId</d:para>
          </d:entry>
          <d:entry>
            <d:para>(U) ded:ElementName</d:para>
          </d:entry>
        </d:row>
        <d:row>
          <d:entry>
            <d:para>ElementName</d:para>
          </d:entry>
          <d:entry>
            <d:para>(U) ElementName</d:para>
          </d:entry>
        </d:row>
      </d:tbody>
    </d:tgroup>
  </d:table>

```

```

        </d:row>
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    </d:tgroup>
  </d:table>
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<d:section>
  <d:title>(U) ElementObjectType</d:title>
  <d:table frame="all" rowsep="1" colsep="1" xml:id="ElementObjectType">
    <d:title>(U) ElementObjectType</d:title>
    <d:indexterm>
      <d:primary>ElementObjectType</d:primary>
    </d:indexterm>
    <d:tgroup cols="2" align="left">
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          <d:entry namest="c1" nameend="c2" align="center">
            <d:para>(U) The ElementObjectType table is UNCLASSIFIED</d:para>
          </d:entry>
        </d:row>
        <d:row>
          <d:entry>
            <d:para>DED Field Name</d:para>
          </d:entry>
          <d:entry>
            <d:para>Value</d:para>
          </d:entry>
        </d:row>
      </d:thead>
      <d:tbody>
        <d:row>
          <d:entry>
            <d:para>ElementDefinition</d:para>
          </d:entry>
          <d:entry>
            <d:para>(U) The kind of Data Element that is being defined (e.g., class, attribute, element, keyword, table).</d:para>
          </d:entry>
        </d:row>
        <d:row>
          <d:entry>
            <d:para>ElementId</d:para>
          </d:entry>
          <d:entry>
            <d:para>(U) ded:ElementObjectType</d:para>
          </d:entry>
        </d:row>
        <d:row>
          <d:entry>
            <d:para>ElementName</d:para>
          </d:entry>
          <d:entry>
            <d:para>(U) ElementObjectType</d:para>
          </d:entry>
        </d:row>
      </d:tbody>
    </d:tgroup>
  </d:table>
</d:section>

```

```

    </d:row>
  </d:tbody>
</d:tgroup>
</d:table>
</d:section>
<d:section>
  <d:title>(U) ElementObligation</d:title>
  <d:table frame="all" rowsep="1" colsep="1" xml:id="ElementObligation">
    <d:title>(U) ElementObligation</d:title>
    <d:indexterm>
      <d:primary>ElementObligation</d:primary>
    </d:indexterm>
    <d:tgroup cols="2" align="left">
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      <d:colspec colname="c2" colnum="2" colwidth="3*" />
      <d:thead>
        <d:row>
          <d:entry namest="c1" nameend="c2" align="center">
            <d:para>(U) The ElementObligation table is UNCLASSIFIED</d:para>
          </d:entry>
        </d:row>
        <d:row>
          <d:entry>
            <d:para>DED Field Name</d:para>
          </d:entry>
          <d:entry>
            <d:para>Value</d:para>
          </d:entry>
        </d:row>
      </d:thead>
      <d:tbody>
        <d:row>
          <d:entry>
            <d:para>ElementDefinition</d:para>
          </d:entry>
          <d:entry>
            <d:para>(U) An indicator of whether the Data Element MUST be populated in all cases (i.e., Mandatory); or if the Data
            Element is NOT required (i.e., Optional); or whether specific conditions for populating it are specified in
            ElementRestriction (i.e., Conditional). If conditional, then the condition should be defined in either
            ElementRestrictions or the Relationship Metadata section.</d:para>
          </d:entry>
        </d:row>
        <d:row>
          <d:entry>
            <d:para>ElementId</d:para>
          </d:entry>
          <d:entry>
            <d:para>(U) ded:ElementObligation</d:para>
          </d:entry>
        </d:row>
        <d:row>
          <d:entry>
            <d:para>ElementName</d:para>
          </d:entry>
        </d:row>
      </d:tbody>
    </d:tgroup>
  </d:table>
</d:section>
```

```

    <d:entry>
      <d:para>(U) ElementObligation</d:para>
    </d:entry>
  </d:row>
  <d:row>
    <d:entry>
      <d:para>ElementObjectType</d:para>
    </d:entry>
    <d:entry>
      <d:para>(U) ded:EnumerationLocation: XSD type ObligationEnumType</d:para>
    </d:entry>
  </d:row>
</d:tbody>
</d:tgroup>
</d:table>
</d:section>
<d:section>
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  <d:table frame="all" rowsep="1" colsep="1" xml:id="ElementParentName">
    <d:title>(U) ElementParentName</d:title>
    <d:indexterm>
      <d:primary>ElementParentName</d:primary>
    </d:indexterm>
    <d:tgroup cols="2" align="left">
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      <d:colspec colname="c2" colnum="2" colwidth="3*" />
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        <d:row>
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            <d:para>(U) The ElementParentName table is UNCLASSIFIED</d:para>
          </d:entry>
        </d:row>
        <d:row>
          <d:entry>
            <d:para>DED Field Name</d:para>
          </d:entry>
          <d:entry>
            <d:para>Value</d:para>
          </d:entry>
        </d:row>
      </d:thead>
      <d:tbody>
        <d:row>
          <d:entry>
            <d:para>ElementDefinition</d:para>
          </d:entry>
          <d:entry>
            <d:para>(U) The ElementName(s) of another Data Element within the Data Element Dictionary, for which this Data Element is a
child element.</d:para>
          </d:entry>
        </d:row>
        <d:row>
          <d:entry>
            <d:para>ElementId</d:para>
          </d:entry>
        </d:row>
      </d:tbody>
    </d:tgroup>
  </d:table>
</d:section>
```

```

        </d:entry>
        <d:entry>
            <d:para>(U) ded:UsedByLocal</d:para>
        </d:entry>
    </d:row>
    <d:row>
        <d:entry>
            <d:para>ElementName</d:para>
        </d:entry>
        <d:entry>
            <d:para>(U) ElementParentName</d:para>
        </d:entry>
    </d:row>
</d:tbody>
</d:tgroup>
</d:table>
</d:section>
<d:section>
    <d:title>(U) ElementRestriction</d:title>
    <d:table frame="all" rowsep="1" colsep="1" xml:id="ElementRestriction">
        <d:title>(U) ElementRestriction</d:title>
        <d:indexterm>
            <d:primary>ElementRestriction</d:primary>
        </d:indexterm>
        <d:tgroup cols="2" align="left">
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            <d:colspec colname="c2" colnum="2" colwidth="3*" />
            <d:thead>
                <d:row>
                    <d:entry namest="c1" nameend="c2" align="center">
                        <d:para>(U) The ElementRestriction table is UNCLASSIFIED</d:para>
                    </d:entry>
                </d:row>
                <d:row>
                    <d:entry>
                        <d:para>DED Field Name</d:para>
                    </d:entry>
                    <d:entry>
                        <d:para>Value</d:para>
                    </d:entry>
                </d:row>
            </d:thead>
            <d:tbody>
                <d:row>
                    <d:entry>
                        <d:para>ElementDefinition</d:para>
                    </d:entry>
                    <d:entry>
                        <d:para>(U) The additional constraints, if any, on the content entered for the Data Element (e.g., the maximum number of
characters, the regex, uniqueness, min and/or max values, precision, scale). Special Cases: 1) If the DataType is an
enumeration, then provide either (A) the enumerated list, or (B) a reference to a specific enumerated list; 2) If
the DataType is a regex, then provide the actual regular expression.</d:para>
                    </d:entry>
                </d:row>
            </d:tbody>
        </d:tgroup>
    </d:table>

```

```
<d:row>
  <d:entry>
    <d:para>ElementId</d:para>
  </d:entry>
  <d:entry>
    <d:para>(U) ded:ElementRestriction</d:para>
  </d:entry>
</d:row>
<d:row>
  <d:entry>
    <d:para>ElementName</d:para>
  </d:entry>
  <d:entry>
    <d:para>(U) ElementRestriction</d:para>
  </d:entry>
</d:row>
</d:tbody>
</d:tgroup>
</d:table>
</d:section>
<d:section>
  <d:title>(U) ElementRestrictions</d:title>
  <d:table frame="all" rowsep="1" colsep="1" xml:id="ElementRestrictions">
    <d:title>(U) ElementRestrictions</d:title>
    <d:indexterm>
      <d:primary>ElementRestrictions</d:primary>
    </d:indexterm>
    <d:tgroup cols="2" align="left">
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      <d:colspec colname="c2" colnum="2" colwidth="3*" />
      <d:thead>
        <d:row>
          <d:entry namest="c1" nameend="c2" align="center">
            <d:para>(U) The ElementRestrictions table is UNCLASSIFIED</d:para>
          </d:entry>
        </d:row>
        <d:row>
          <d:entry>
            <d:para>DED Field Name</d:para>
          </d:entry>
          <d:entry>
            <d:para>Value</d:para>
          </d:entry>
        </d:row>
      </d:thead>
      <d:tbody>
        <d:row>
          <d:entry>
            <d:para>ElementDefinition</d:para>
          </d:entry>
          <d:entry>
            <d:para>(U) A grouping of the additional constraints, if any, on the content entered for the Data Element (e.g., the
maximum number of characters, the regex, uniqueness, min and/or max values, precision, scale). Special Cases: 1) If the
DataType is an enumeration, then provide either (A) the enumerated list, or (B) a reference to a specific enumerated list;
```

```
2) If the DataType is a regex, then provide the actual regular expression.</d:para>
    </d:entry>
  </d:row>
  <d:row>
    <d:entry>
      <d:para>ElementId</d:para>
    </d:entry>
    <d:entry>
      <d:para>(U) ded:ElementRestrictions</d:para>
    </d:entry>
  </d:row>
  <d:row>
    <d:entry>
      <d:para>ElementName</d:para>
    </d:entry>
    <d:entry>
      <d:para>(U) ElementRestrictions</d:para>
    </d:entry>
  </d:row>
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</d:table>
</d:section>
<d:section>
  <d:title>(U) ElementUnitOfMeasure</d:title>
  <d:table frame="all" rowsep="1" colsep="1" xml:id="ElementUnitOfMeasure">
    <d:title>(U) ElementUnitOfMeasure</d:title>
    <d:indexterm>
      <d:primary>ElementUnitOfMeasure</d:primary>
    </d:indexterm>
    <d:tgroup cols="2" align="left">
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      <d:colspec colname="c2" colnum="2" colwidth="3*" />
      <d:thead>
        <d:row>
          <d:entry namest="c1" nameend="c2" align="center">
            <d:para>(U) The ElementUnitOfMeasure table is UNCLASSIFIED</d:para>
          </d:entry>
        </d:row>
        <d:row>
          <d:entry>
            <d:para>DED Field Name</d:para>
          </d:entry>
          <d:entry>
            <d:para>Value</d:para>
          </d:entry>
        </d:row>
      </d:thead>
      <d:tbody>
        <d:row>
          <d:entry>
            <d:para>ElementDefinition</d:para>
          </d:entry>
        </d:row>
      </d:tbody>
    </d:tgroup>
  </d:table>
</d:section>
```

in assigning to them determinate quantity or magnitude, taken as a standard of comparison for others of the same kind,

```

    <d:para>(U) The kind of determinate quantity or magnitude, taken as a standard of comparison for others of the same kind,
in assigning to them numerical values, such as inches, hours, miles.</d:para>
  </d:entry>
</d:row>
<d:row>
  <d:entry>
    <d:para>ElementId</d:para>
  </d:entry>
  <d:entry>
    <d:para>(U) ded:ElementUnitOfMeasure</d:para>
  </d:entry>
</d:row>
<d:row>
  <d:entry>
    <d:para>ElementName</d:para>
  </d:entry>
  <d:entry>
    <d:para>(U) ElementUnitOfMeasure</d:para>
  </d:entry>
</d:row>
</d:tbody>
</d:tgroup>
</d:table>
</d:section>
<d:section>
  <d:title>(U) Relationship</d:title>
  <d:table frame="all" rowsep="1" colsep="1" xml:id="Relationship">
    <d:title>(U) Relationship</d:title>
    <d:indexterm>
      <d:primary>Relationship</d:primary>
    </d:indexterm>
    <d:tgroup cols="2" align="left">
      <d:colspec colname="c1" colnum="1" colwidth="1*" />
      <d:colspec colname="c2" colnum="2" colwidth="3*" />
      <d:thead>
        <d:row>
          <d:entry namest="c1" nameend="c2" align="center">
            <d:para>(U) The Relationship table is UNCLASSIFIED</d:para>
          </d:entry>
        </d:row>
        <d:row>
          <d:entry>
            <d:para>DED Field Name</d:para>
          </d:entry>
          <d:entry>
            <d:para>Value</d:para>
          </d:entry>
        </d:row>
      </d:thead>
      <d:tbody>
        <d:row>
          <d:entry>
            <d:para>ElementDefinition</d:para>
          </d:entry>

```

```

        <d:entry>
            <d:para>(U) A wrapper element for showing the classification of a Relationship as a whole and for grouping the values
relating to a relationship.</d:para>
        </d:entry>
    </d:row>
    <d:row>
        <d:entry>
            <d:para>ElementId</d:para>
        </d:entry>
        <d:entry>
            <d:para>(U) ded:Relationship</d:para>
        </d:entry>
    </d:row>
    <d:row>
        <d:entry>
            <d:para>ElementName</d:para>
        </d:entry>
        <d:entry>
            <d:para>(U) Relationship</d:para>
        </d:entry>
    </d:row>
</d:tbody>
</d:tgroup>
</d:table>
</d:section>
<d:section>
    <d:title>(U) RelationshipComment</d:title>
    <d:table frame="all" rowsep="1" colsep="1" xml:id="RelationshipComment">
        <d:title>(U) RelationshipComment</d:title>
        <d:indexterm>
            <d:primary>RelationshipComment</d:primary>
        </d:indexterm>
        <d:tgroup cols="2" align="left">
            <d:colspec colname="c1" colnum="1" colwidth="1*" />
            <d:colspec colname="c2" colnum="2" colwidth="3*" />
            <d:thead>
                <d:row>
                    <d:entry namest="c1" nameend="c2" align="center">
                        <d:para>(U) The RelationshipComment table is UNCLASSIFIED</d:para>
                    </d:entry>
                </d:row>
                <d:row>
                    <d:entry>
                        <d:para>DED Field Name</d:para>
                    </d:entry>
                    <d:entry>
                        <d:para>Value</d:para>
                    </d:entry>
                </d:row>
            </d:thead>
            <d:tbody>
                <d:row>
                    <d:entry>
                        <d:para>ElementDefinition</d:para>
                    </d:entry>
                </d:row>
            </d:tbody>
        </d:tgroup>
    </d:table>
</d:section>

```

```

        </d:entry>
        <d:entry>
            <d:para>(U) Additional clarifying notes, beyond what is contained within the RelationshipDefinition or the Relationship
Multiplicities. Also, may contain implementation guidance or processing instructions.</d:para>
        </d:entry>
    </d:row>
</d:row>
    <d:row>
        <d:entry>
            <d:para>ElementId</d:para>
        </d:entry>
        <d:entry>
            <d:para>(U) ded:RelationshipComment</d:para>
        </d:entry>
    </d:row>
</d:row>
    <d:row>
        <d:entry>
            <d:para>ElementName</d:para>
        </d:entry>
        <d:entry>
            <d:para>(U) RelationshipComment</d:para>
        </d:entry>
    </d:row>
</d:tbody>
</d:tgroup>
</d:table>
</d:section>
<d:section>
    <d:title>(U) RelationshipComments</d:title>
    <d:table frame="all" rowsep="1" colsep="1" xml:id="RelationshipComments">
        <d:title>(U) RelationshipComments</d:title>
        <d:indexterm>
            <d:primary>RelationshipComments</d:primary>
        </d:indexterm>
        <d:tgroup cols="2" align="left">
            <d:colspec colname="c1" colnum="1" colwidth="1*" />
            <d:colspec colname="c2" colnum="2" colwidth="3*" />
            <d:thead>
                <d:row>
                    <d:entry namest="c1" nameend="c2" align="center">
                        <d:para>(U) The RelationshipComments table is UNCLASSIFIED</d:para>
                    </d:entry>
                </d:row>
                <d:row>
                    <d:entry>
                        <d:para>DED Field Name</d:para>
                    </d:entry>
                    <d:entry>
                        <d:para>Value</d:para>
                    </d:entry>
                </d:row>
            </d:thead>
            <d:tbody>
                <d:row>
                    <d:entry>
```

```

        <d:para>ElementDefinition</d:para>
    </d:entry>
    <d:entry>
        <d:para>(U) A grouping of additional clarifying notes, beyond what is contained within the RelationshipDefinition or the
Relationship Multiplicities. Also, may contain implementation guidance or processing instructions.</d:para>
    </d:entry>
</d:row>
<d:row>
    <d:entry>
        <d:para>ElementId</d:para>
    </d:entry>
    <d:entry>
        <d:para>(U) ded:RelationshipComments</d:para>
    </d:entry>
</d:row>
<d:row>
    <d:entry>
        <d:para>ElementName</d:para>
    </d:entry>
    <d:entry>
        <d:para>(U) RelationshipComments</d:para>
    </d:entry>
</d:row>
</d:tbody>
</d:tgroup>
</d:table>
</d:section>
<d:section>
    <d:title>(U) RelationshipDefinition</d:title>
    <d:table frame="all"
rowsep="1"
colsep="1"
xml:id="RelationshipDefinition">
        <d:title>(U) RelationshipDefinition</d:title>
        <d:indexterm>
            <d:primary>RelationshipDefinition</d:primary>
        </d:indexterm>
        <d:tgroup cols="2" align="left">
            <d:colspec colname="c1" colnum="1" colwidth="1*" />
            <d:colspec colname="c2" colnum="2" colwidth="3*" />
            <d:thead>
                <d:row>
                    <d:entry namest="c1" nameend="c2" align="center">
                        <d:para>(U) The RelationshipDefinition table is UNCLASSIFIED</d:para>
                    </d:entry>
                </d:row>
                <d:row>
                    <d:entry>
                        <d:para>DED Field Name</d:para>
                    </d:entry>
                    <d:entry>
                        <d:para>Value</d:para>
                    </d:entry>
                </d:row>
            </d:thead>
            <d:tbody>
                <d:row>
                    <d:entry>
                        <d:para>ElementId</d:para>
                    </d:entry>
                    <d:entry>
                        <d:para>(U) ded:RelationshipComments</d:para>
                    </d:entry>
                </d:row>
                <d:row>
                    <d:entry>
                        <d:para>ElementName</d:para>
                    </d:entry>
                    <d:entry>
                        <d:para>(U) RelationshipComments</d:para>
                    </d:entry>
                </d:row>
            </d:tbody>
        </d:tgroup>
    </d:table>

```

```
</d:thead>
<d:tbody>
  <d:row>
    <d:entry>
      <d:para>ElementDefinition</d:para>
    </d:entry>
    <d:entry>
      <d:para>(U) The additional information of how Link A and Link B interact with each other, beyond multiplicity
information.</d:para>
    </d:entry>
  </d:row>
  <d:row>
    <d:entry>
      <d:para>ElementId</d:para>
    </d:entry>
    <d:entry>
      <d:para>(U) ded:RelationshipDefinition</d:para>
    </d:entry>
  </d:row>
  <d:row>
    <d:entry>
      <d:para>ElementName</d:para>
    </d:entry>
    <d:entry>
      <d:para>(U) RelationshipDefinition</d:para>
    </d:entry>
  </d:row>
</d:tbody>
</d:tgroup>
</d:table>
</d:section>
<d:section>
  <d:title>(U) RelationshipDefinitionSource</d:title>
  <d:table frame="all"
    rowsep="1"
    colsep="1"
    xml:id="RelationshipDefinitionSource">
    <d:title>(U) RelationshipDefinitionSource</d:title>
    <d:indexterm>
      <d:primary>RelationshipDefinitionSource</d:primary>
    </d:indexterm>
    <d:tgroup cols="2" align="left">
      <d:colspec colname="c1" colnum="1" colwidth="1*" />
      <d:colspec colname="c2" colnum="2" colwidth="3*" />
      <d:thead>
        <d:row>
          <d:entry namest="c1" nameend="c2" align="center">
            <d:para>(U) The RelationshipDefinitionSource table is UNCLASSIFIED</d:para>
          </d:entry>
        </d:row>
        <d:row>
          <d:entry>
            <d:para>DED Field Name</d:para>
          </d:entry>
        </d:row>
      </d:thead>
    </d:tgroup>
  </d:table>
</d:section>
```

```

        <d:entry>
          <d:para>Value</d:para>
        </d:entry>
      </d:row>
    </d:thead>
    <d:tbody>
      <d:row>
        <d:entry>
          <d:para>ElementDefinition</d:para>
        </d:entry>
        <d:entry>
          <d:para>(U) The cited authority(ies) or reference(s) for which the knowledge to develop the RelationshipDefinition was
obtained or derived.</d:para>
        </d:entry>
      </d:row>
      <d:row>
        <d:entry>
          <d:para>ElementId</d:para>
        </d:entry>
        <d:entry>
          <d:para>(U) ded:RelationshipDefinitionSource</d:para>
        </d:entry>
      </d:row>
      <d:row>
        <d:entry>
          <d:para>ElementName</d:para>
        </d:entry>
        <d:entry>
          <d:para>(U) RelationshipDefinitionSource</d:para>
        </d:entry>
      </d:row>
    </d:tbody>
  </d:tgroup>
</d:table>
</d:section>
<d:section>
  <d:title>(U) RelationshipId</d:title>
  <d:table frame="all" rowsep="1" colsep="1" xml:id="RelationshipId">
    <d:title>(U) RelationshipId</d:title>
    <d:indexterm>
      <d:primary>RelationshipId</d:primary>
    </d:indexterm>
    <d:tgroup cols="2" align="left">
      <d:colspec colname="c1" colnum="1" colwidth="1*" />
      <d:colspec colname="c2" colnum="2" colwidth="3*" />
      <d:thead>
        <d:row>
          <d:entry namest="c1" nameend="c2" align="center">
            <d:para>(U) The RelationshipId table is UNCLASSIFIED</d:para>
          </d:entry>
        </d:row>
        <d:row>
          <d:entry>
            <d:para>DED Field Name</d:para>
          </d:entry>
        </d:row>
      </d:thead>
    </d:tgroup>
  </d:table>

```

```

        </d:entry>
        <d:entry>
            <d:para>Value</d:para>
        </d:entry>
    </d:row>
</d:thead>
<d:tbody>
    <d:row>
        <d:entry>
            <d:para>ElementDefinition</d:para>
        </d:entry>
        <d:entry>
            <d:para>(U) The locally unique identifier of the Relationship.</d:para>
        </d:entry>
    </d:row>
    <d:row>
        <d:entry>
            <d:para>ElementId</d:para>
        </d:entry>
        <d:entry>
            <d:para>(U) ded:RelationshipId</d:para>
        </d:entry>
    </d:row>
    <d:row>
        <d:entry>
            <d:para>ElementName</d:para>
        </d:entry>
        <d:entry>
            <d:para>(U) RelationshipId</d:para>
        </d:entry>
    </d:row>
</d:tbody>
</d:tgroup>
</d:table>
</d:section>
<d:section>
    <d:title>(U) RelationshipLinkADomain</d:title>
    <d:table frame="all"
        rowsep="1"
        colsep="1"
        xml:id="RelationshipLinkADomain">
        <d:title>(U) RelationshipLinkADomain</d:title>
        <d:indexterm>
            <d:primary>RelationshipLinkADomain</d:primary>
        </d:indexterm>
        <d:tgroup cols="2" align="left">
            <d:colspec colname="c1" colnum="1" colwidth="1*" />
            <d:colspec colname="c2" colnum="2" colwidth="3*" />
            <d:thead>
                <d:row>
                    <d:entry namest="c1" nameend="c2" align="center">
                        <d:para>(U) The RelationshipLinkADomain table is UNCLASSIFIED</d:para>
                    </d:entry>
                </d:row>
            </d:thead>
        </d:tgroup>
    </d:table>

```

```
<d:row>
  <d:entry>
    <d:para>DED Field Name</d:para>
  </d:entry>
  <d:entry>
    <d:para>Value</d:para>
  </d:entry>
</d:row>
</d:thead>
<d:tbody>
  <d:row>
    <d:entry>
      <d:para>ElementDefinition</d:para>
    </d:entry>
    <d:entry>
      <d:para>(U) The context within which the Data Element A belongs.</d:para>
    </d:entry>
  </d:row>
  <d:row>
    <d:entry>
      <d:para>ElementId</d:para>
    </d:entry>
    <d:entry>
      <d:para>(U) ded:RelationshipLinkADomain</d:para>
    </d:entry>
  </d:row>
  <d:row>
    <d:entry>
      <d:para>ElementName</d:para>
    </d:entry>
    <d:entry>
      <d:para>(U) RelationshipLinkADomain</d:para>
    </d:entry>
  </d:row>
</d:tbody>
</d:tgroup>
</d:table>
</d:section>
<d:section>
  <d:title>(U) RelationshipLinkAMultiplicity</d:title>
  <d:table frame="all"
    rowsep="1"
    colsep="1"
    xml:id="RelationshipLinkAMultiplicity">
    <d:title>(U) RelationshipLinkAMultiplicity</d:title>
    <d:indexterm>
      <d:primary>RelationshipLinkAMultiplicity</d:primary>
    </d:indexterm>
    <d:tgroup cols="2" align="left">
      <d:colspec colname="c1" colnum="1" colwidth="1*" />
      <d:colspec colname="c2" colnum="2" colwidth="3*" />
      <d:thead>
        <d:row>
          <d:entry namest="c1" nameend="c2" align="center">
```

```

        <d:para>(U) The RelationshipLinkAMultiplicity table is UNCLASSIFIED</d:para>
    </d:entry>
</d:row>
<d:row>
    <d:entry>
        <d:para>DED Field Name</d:para>
    </d:entry>
    <d:entry>
        <d:para>Value</d:para>
    </d:entry>
</d:row>
</d:thead>
<d:tbody>
    <d:row>
        <d:entry>
            <d:para>ElementDefinition</d:para>
        </d:entry>
        <d:entry>
            <d:para>(U) This element follows the UML section 7.8.8 (MultiplicityElement) definition "A multiplicity is a definition of
an inclusive interval of non-negative integers beginning with a lower bound and ending with a (possibly infinite) upper
bound. A MultiplicityElement embeds this information to specify the allowable cardinalities for an instantiation of the
Element." The exact tailoring of the UML is shown in the DES. Example notations [0..1], [0..*], [0..n] [1..1], [1..*],
[1..n], [n..m]. Note that n and m here are variables that represent finite numbers. Actual use in a DED would replace n and
m with the finite number(s) appropriate for the Relationship. For example, [0..6] means the Relationship is optional and
can have up to 6 instances. [1..5] means the Relationship is required and can have up to 5 instances. This element
indicates the multiplicity of instances of A that must exist for a single instance of B and the greatest (or maximum)
number of instances of A that can exist for a single instance of B.</d:para>
            </d:entry>
        </d:row>
    <d:row>
        <d:entry>
            <d:para>ElementId</d:para>
        </d:entry>
        <d:entry>
            <d:para>(U) ded:RelationshipLinkAMultiplicity</d:para>
        </d:entry>
    </d:row>
    <d:row>
        <d:entry>
            <d:para>ElementName</d:para>
        </d:entry>
        <d:entry>
            <d:para>(U) RelationshipLinkAMultiplicity</d:para>
        </d:entry>
    </d:row>
</d:tbody>
</d:tgroup>
</d:table>
</d:section>
<d:section>
    <d:title>(U) RelationshipLinkAName</d:title>
    <d:table frame="all"
        rowsep="1"
        colsep="1"

```

```

    xml:id="RelationshipLinkAName">
<d:title>(U) RelationshipLinkAName</d:title>
<d:indexterm>
  <d:primary>RelationshipLinkAName</d:primary>
</d:indexterm>
<d:tgroup cols="2" align="left">
  <d:colspec colname="c1" colnum="1" colwidth="1*" />
  <d:colspec colname="c2" colnum="2" colwidth="3*" />
  <d:thead>
    <d:row>
      <d:entry namest="c1" nameend="c2" align="center">
        <d:para>(U) The RelationshipLinkAName table is UNCLASSIFIED</d:para>
      </d:entry>
    </d:row>
    <d:row>
      <d:entry>
        <d:para>DED Field Name</d:para>
      </d:entry>
      <d:entry>
        <d:para>Value</d:para>
      </d:entry>
    </d:row>
  </d:thead>
  <d:tbody>
    <d:row>
      <d:entry>
        <d:para>ElementDefinition</d:para>
      </d:entry>
      <d:entry>
        <d:para>(U) The string identifier that represents the Data Element A.</d:para>
      </d:entry>
    </d:row>
    <d:row>
      <d:entry>
        <d:para>ElementId</d:para>
      </d:entry>
      <d:entry>
        <d:para>(U) ded:RelationshipLinkAName</d:para>
      </d:entry>
    </d:row>
    <d:row>
      <d:entry>
        <d:para>ElementName</d:para>
      </d:entry>
      <d:entry>
        <d:para>(U) RelationshipLinkAName</d:para>
      </d:entry>
    </d:row>
  </d:tbody>
</d:tgroup>
</d:table>
</d:section>
<d:section>
  <d:title>(U) RelationshipLinkBDomain</d:title>

```

```
<d:table frame="all"
  rowsep="1"
  colsep="1"
  xml:id="RelationshipLinkBDomain">
  <d:title>(U) RelationshipLinkBDomain</d:title>
  <d:indexterm>
    <d:primary>RelationshipLinkBDomain</d:primary>
  </d:indexterm>
  <d:tgroup cols="2" align="left">
    <d:colspec colname="c1" colnum="1" colwidth="1*" />
    <d:colspec colname="c2" colnum="2" colwidth="3*" />
    <d:thead>
      <d:row>
        <d:entry namest="c1" nameend="c2" align="center">
          <d:para>(U) The RelationshipLinkBDomain table is UNCLASSIFIED</d:para>
        </d:entry>
      </d:row>
      <d:row>
        <d:entry>
          <d:para>DED Field Name</d:para>
        </d:entry>
        <d:entry>
          <d:para>Value</d:para>
        </d:entry>
      </d:row>
    </d:thead>
    <d:tbody>
      <d:row>
        <d:entry>
          <d:para>ElementDefinition</d:para>
        </d:entry>
        <d:entry>
          <d:para>(U) The context within which the Data Element B belongs.</d:para>
        </d:entry>
      </d:row>
      <d:row>
        <d:entry>
          <d:para>ElementId</d:para>
        </d:entry>
        <d:entry>
          <d:para>(U) ded:RelationshipLinkBDomain</d:para>
        </d:entry>
      </d:row>
      <d:row>
        <d:entry>
          <d:para>ElementName</d:para>
        </d:entry>
        <d:entry>
          <d:para>(U) RelationshipLinkBDomain</d:para>
        </d:entry>
      </d:row>
    </d:tbody>
  </d:tgroup>
</d:table>
```

```
</d:section>
<d:section>
  <d:title>(U) RelationshipLinkBMultiplicity</d:title>
  <d:table frame="all"
    rowsep="1"
    colsep="1"
    xml:id="RelationshipLinkBMultiplicity">
    <d:title>(U) RelationshipLinkBMultiplicity</d:title>
    <d:indexterm>
      <d:primary>RelationshipLinkBMultiplicity</d:primary>
    </d:indexterm>
    <d:tgroup cols="2" align="left">
      <d:colspec colname="c1" colnum="1" colwidth="1*" />
      <d:colspec colname="c2" colnum="2" colwidth="3*" />
      <d:thead>
        <d:row>
          <d:entry namest="c1" nameend="c2" align="center">
            <d:para>(U) The RelationshipLinkBMultiplicity table is UNCLASSIFIED</d:para>
          </d:entry>
        </d:row>
        <d:row>
          <d:entry>
            <d:para>DED Field Name</d:para>
          </d:entry>
          <d:entry>
            <d:para>Value</d:para>
          </d:entry>
        </d:row>
      </d:thead>
      <d:tbody>
        <d:row>
          <d:entry>
            <d:para>ElementDefinition</d:para>
          </d:entry>
          <d:entry>
            <d:para>(U) This element follows the UML section 7.8.8 (MultiplicityElement) definition "A multiplicity is a definition of
an inclusive interval of non-negative integers beginning with a lower bound and ending with a (possibly infinite) upper
bound. A MultiplicityElement embeds this information to specify the allowable cardinalities for an instantiation of the
Element." The exact tailoring of the UML is shown in the DES. Example notations [0..1], [0..*], [0..n] [1..1], [1..*],
[1..n], [n..m]. Note that n and m here are variables that represent finite numbers. Actual use in a DED would replace n and
m with the finite number(s) appropriate for the Relationship. For example, [0..6] means the Relationship is optional and
can have up to 6 instances. [1..5] means the Relationship is required and can have up to 5 instances. This element
indicates the multiplicity of instances of B that must exist for a single instance of A and the greatest (or maximum)
number of instances of B that can exist for a single instance of A.</d:para>
            </d:entry>
          </d:row>
          <d:row>
            <d:entry>
              <d:para>ElementId</d:para>
            </d:entry>
            <d:entry>
              <d:para>(U) ded:RelationshipLinkBMultiplicity</d:para>
            </d:entry>
          </d:row>
        </d:tbody>
      </d:tgroup>
    </d:table>
  </d:section>
```

```
<d:row>
  <d:entry>
    <d:para>ElementName</d:para>
  </d:entry>
  <d:entry>
    <d:para>(U) RelationshipLinkBMultiplicity</d:para>
  </d:entry>
</d:row>
</d:tbody>
</d:tgroup>
</d:table>
</d:section>
<d:section>
  <d:title>(U) RelationshipLinkBName</d:title>
  <d:table frame="all"
    rowsep="1"
    colsep="1"
    xml:id="RelationshipLinkBName">
    <d:title>(U) RelationshipLinkBName</d:title>
    <d:indexterm>
      <d:primary>RelationshipLinkBName</d:primary>
    </d:indexterm>
    <d:tgroup cols="2" align="left">
      <d:colspec colname="c1" colnum="1" colwidth="1*" />
      <d:colspec colname="c2" colnum="2" colwidth="3*" />
      <d:thead>
        <d:row>
          <d:entry namest="c1" nameend="c2" align="center">
            <d:para>(U) The RelationshipLinkBName table is UNCLASSIFIED</d:para>
          </d:entry>
        </d:row>
        <d:row>
          <d:entry>
            <d:para>DED Field Name</d:para>
          </d:entry>
          <d:entry>
            <d:para>Value</d:para>
          </d:entry>
        </d:row>
      </d:thead>
      <d:tbody>
        <d:row>
          <d:entry>
            <d:para>ElementDefinition</d:para>
          </d:entry>
          <d:entry>
            <d:para>(U) The string identifier that represents the Data Element B.</d:para>
          </d:entry>
        </d:row>
        <d:row>
          <d:entry>
            <d:para>ElementId</d:para>
          </d:entry>
          <d:entry>
```

```

        <d:para>(U) ded:RelationshipLinkBName</d:para>
      </d:entry>
    </d:row>
    <d:row>
      <d:entry>
        <d:para>ElementName</d:para>
      </d:entry>
      <d:entry>
        <d:para>(U) RelationshipLinkBName</d:para>
      </d:entry>
    </d:row>
  </d:tbody>
</d:tgroup>
</d:table>
</d:section>
<d:section>
  <d:title>(U) RelationshipName</d:title>
  <d:table frame="all" rowsep="1" colsep="1" xml:id="RelationshipName">
    <d:title>(U) RelationshipName</d:title>
    <d:indexterm>
      <d:primary>RelationshipName</d:primary>
    </d:indexterm>
    <d:tgroup cols="2" align="left">
      <d:colspec colname="c1" colnum="1" colwidth="1*" />
      <d:colspec colname="c2" colnum="2" colwidth="3*" />
      <d:thead>
        <d:row>
          <d:entry namest="c1" nameend="c2" align="center">
            <d:para>(U) The RelationshipName table is UNCLASSIFIED</d:para>
          </d:entry>
        </d:row>
        <d:row>
          <d:entry>
            <d:para>DED Field Name</d:para>
          </d:entry>
          <d:entry>
            <d:para>Value</d:para>
          </d:entry>
        </d:row>
      </d:thead>
      <d:tbody>
        <d:row>
          <d:entry>
            <d:para>ElementDefinition</d:para>
          </d:entry>
          <d:entry>
            <d:para>(U) The string identifier that represents the Relationship.</d:para>
          </d:entry>
        </d:row>
        <d:row>
          <d:entry>
            <d:para>ElementId</d:para>
          </d:entry>
          <d:entry>

```

```

        <d:para>(U) ded:RelationshipName</d:para>
      </d:entry>
    </d:row>
    <d:row>
      <d:entry>
        <d:para>ElementName</d:para>
      </d:entry>
      <d:entry>
        <d:para>(U) RelationshipName</d:para>
      </d:entry>
    </d:row>
  </d:tbody>
</d:tgroup>
</d:table>
</d:section>
</d:chapter>
<d:index/>
</d:book>
```

2.3 - ExampleDED.xml

```
<?xml-model href="../../../Schematron/IC-EDH/IC-EDH_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><?xml-model href="../../../Schematron/ISM/ISM_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><?xml-model href="../../../Schematron/USAgency/USAgency_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><?xml-model href="../../../Schematron/DED/DED_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><?xml-model href="../../../Schematron/IC-ID/IC-ID_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><ded:DataElementDictionary xmlns:ded="urn:us:gov:ic:ded"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xmlns:icid="urn:us:gov:ic:id"
    xmlns:edh="urn:us:gov:ic:edh"
    xmlns:arh="urn:us:gov:ic:arh"
    xmlns:usagency="urn:us:gov:ic:usagency"
    xsi:schemaLocation="urn:us:gov:ic:ded ../../Schema/DED/DED.xsd"
    ded:DESVersion="201903"
    icid:DESVersion="202111">
  <ded:DedHeader>
    <edh:Edh edh:DESVersion="201903" usagency:CESVersion="202207">
      <icid:Identifier>guide://999002/test1</icid:Identifier>
      <edh:DataItemCreateDateTime>2018-10-12T18:25:00Z</edh:DataItemCreateDateTime>
      <edh:ResponsibleEntity edh:role="Custodian">
        <edh:Country>USA</edh:Country>
        <edh:Organization>USA.DNI</edh:Organization>
      </edh:ResponsibleEntity>
      <arh:Security ism:DESVersion="202111.202211"
        ism:ISMCATCESVersion="202211"
        ism:resourceElement="true"
        ism:compliesWith="USGov USIC"
        ism:createDate="2018-10-12"
        ism:classification="U"
        ism:ownerProducer="USA"/>
    </edh:Edh>
    <ded:DedTitle ism:classification="U" ism:ownerProducer="USA">DED.XML</ded:DedTitle>
    <ded:DedPurpose ism:classification="U" ism:ownerProducer="USA">This is the DED for creating DEDs somewhat a Meta DED</ded:DedPurpose>
    <ded:DedSubjectType>XML</ded:DedSubjectType>
    <ded:DedVersion>2019-MAR</ded:DedVersion>
    <ded:DedPoc ism:classification="U" ism:ownerProducer="USA">ic-standards-support@iarpa.gov</ded:DedPoc>
  </ded:DedHeader>
  <ded:DataElement ism:classification="U" ism:ownerProducer="USA">
    <ded:ElementName ism:classification="U" ism:ownerProducer="USA">Name0</ded:ElementName>
    <ded:ElementDefinition ism:classification="U" ism:ownerProducer="USA">Definition0</ded:ElementDefinition>
    <ded:ElementObligation ism:classification="U" ism:ownerProducer="USA">Conditional</ded:ElementObligation>
    <ded:ElementDefinitionSource ism:classification="U" ism:ownerProducer="USA"/>
    <ded:ElementId>guide://999002/test1</ded:ElementId>
    <ded:ElementRestrictions>
      <ded:ElementRestriction ism:classification="U" ism:ownerProducer="USA">A</ded:ElementRestriction>
    </ded:ElementRestrictions>
    <ded:ElementMultiplicity>[0..n]</ded:ElementMultiplicity>
    <ded:ElementDataType ism:classification="U" ism:ownerProducer="USA">XSD type ObligationEnumType</ded:ElementDataType>
    <ded:ElementObjectType ism:classification="U" ism:ownerProducer="USA">Enumerated_List_Value</ded:ElementObjectType>
  </ded:DataElement>
  <ded:DataElement ism:classification="U" ism:ownerProducer="USA">
    <ded:ElementName ism:classification="U" ism:ownerProducer="USA">Name0</ded:ElementName>
    <ded:ElementDefinition ism:classification="U" ism:ownerProducer="USA">Definition0</ded:ElementDefinition>
    <ded:ElementObligation ism:classification="U" ism:ownerProducer="USA">Conditional</ded:ElementObligation>
    <ded:ElementDefinitionSource ism:classification="U" ism:ownerProducer="USA"/>
  </ded:DataElement>
```

```
<ded:ElementId>guide://999002/test1</ded:ElementId>
<ded:ElementRestrictions>
  <ded:ElementRestriction ism:classification="U" ism:ownerProducer="USA">A</ded:ElementRestriction>
</ded:ElementRestrictions>
<ded:ElementMultiplicity>[0..6]</ded:ElementMultiplicity>
</ded:DataElement>
</ded:DataElementDictionary>
```

2.4 - ExampleMinDED.xml

```
<?xml-model href="../../../Schematron/IC-EDH/IC-EDH_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><?xml-model href="../../../Schematron/ISM/ISM_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><?xml-model href="../../../Schematron/USAgency/USAgency_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><?xml-model href="../../../Schematron/DED/DED_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><?xml-model href="../../../Schematron/IC-ID/IC-ID_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><ded:DataElementDictionary xmlns:ded="urn:us:gov:ic:ded"
    xmlns:icid="urn:us:gov:ic:id"
    xmlns:edh="urn:us:gov:ic:edh"
    xmlns:arh="urn:us:gov:ic:arh"
    xmlns:usagency="urn:us:gov:ic:usagency"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="urn:us:gov:ic:ded ../../../Schema/DED/DED.xsd"
    ded:DESVersion="201903"
    icid:DESVersion="202111">
  <ded:DedHeader>
    <edh:Edh edh:DESVersion="201903" usagency:CESVersion="202207">
      <icid:Identifier>guide://2020/b9c63143-7d14-4c86-87a2-be54941d77fa</icid:Identifier>
      <edh:DataItemCreateDateTime>2018-10-12T18:06:00Z</edh:DataItemCreateDateTime>
      <edh:ResponsibleEntity edh:role="Custodian">
        <edh:Country>USA</edh:Country>
        <edh:Organization>USA.DNI</edh:Organization>
      </edh:ResponsibleEntity>
      <arh:Security ism:DESVersion="202111.202211"
        ism:ISMCATCESVersion="202211"
        ism:resourceElement="true"
        ism:compliesWith="USGov USIC"
        ism:createDate="2018-10-12"
        ism:classification="U"
        ism:ownerProducer="USA"/>
    </edh:Edh>
    <ded:DedTitle ism:classification="U" ism:ownerProducer="USA">Simple DED</ded:DedTitle>
    <ded:DedPurpose ism:classification="U" ism:ownerProducer="USA">This is a minimal simple DED. It's a fake address book with only first and last name and a
    phone number.</ded:DedPurpose>
    <ded:DedSubjectType>XML</ded:DedSubjectType>
    <ded:DedVersion>2019-MAR</ded:DedVersion>
    <ded:DedPoc ism:classification="U" ism:ownerProducer="USA">ic-standards-support@iarpa.gov</ded:DedPoc>
  </ded:DedHeader>
  <ded:DataElement ism:classification="U" ism:ownerProducer="USA">
    <ded:ElementName ism:classification="U" ism:ownerProducer="USA">FirstName</ded:ElementName>
    <ded:ElementDefinition ism:classification="U" ism:ownerProducer="USA">a name given to a person at birth, as opposed to a surname. Also called: Christian name,
    forename or given name</ded:ElementDefinition>
    <ded:ElementDefinitionSource ism:classification="U" ism:ownerProducer="USA">Reference Authority is optional but since I was grabbing definitions I wanted to
    cite them. first name. (n.d.) Random House Kernerman Webster's College Dictionary. (2010). Retrieved
    September 10 2017 from http://www.thefreedictionary.com/first+name</ded:ElementDefinitionSource>
  </ded:DataElement>
  <ded:DataElement ism:classification="U" ism:ownerProducer="USA">
    <ded:ElementName ism:classification="U" ism:ownerProducer="USA">LastName</ded:ElementName>
    <ded:ElementDefinition ism:classification="U" ism:ownerProducer="USA">The name that a person has in common with other family members, as distinguished from a
    given name; family name.</ded:ElementDefinition>
    <ded:ElementDefinitionSource ism:classification="U" ism:ownerProducer="USA">Reference Authority is optional but since I was grabbing definitions I wanted to
    cite them. Last name. (n.d.) Random House Kernerman Webster's College Dictionary. (2010). Retrieved
    September 10 2017 from http://www.thefreedictionary.com/last+name</ded:ElementDefinitionSource>
  </ded:DataElement>
  <ded:DataElement ism:classification="U" ism:ownerProducer="USA">
```

```
<ded:ElementName ism:classification="U" ism:ownerProducer="USA">PhoneNumber</ded:ElementName>
<ded:ElementDefinition ism:classification="U" ism:ownerProducer="USA">the number is used in calling a particular telephone</ded:ElementDefinition>
<ded:ElementDefinitionSource ism:classification="U" ism:ownerProducer="USA">Reference Authority is optional but since I was grabbing definitions I wanted to
    cite them. Phone Number. (n.d.) WordNet 3.0, Farlex clipart collection. (2003-2008). Retrieved September
    10 2017 from http://www.thefreedictionary.com/phone+number</ded:ElementDefinitionSource>
</ded:DataElement>
</ded:DataElementDictionary>
```