

```
<?xml version= "1.0" encoding= "UTF-8" ?>
```

```
<!--  
**  RELEASE STATEMENT(s):  
**  
**          UNLIMITED RIGHTS  
**  The Government has the right to use, modify, reproduce, release, perform,  
**  display, or disclose this application programmable interface in whole or in  
**  part, in any manner and for any purpose whatsoever, and to have or  
**  authorize others to do so.  
**  
**  Distribution Statement A - Approved for public release; distribution is  
**  unlimited (27 August 2015).  
-->
```

```
<!--  
**  JTNC Standard:  
**  Software Communications Architecture  
**  Appendix D-1: Platform Specific Model (PSM) Document Type Definition (DTD)  
**  Version: 4.1, 20 August 2015  
-->
```

```
<!-- softpkg.4.1.dtd -->
```

```
<!ELEMENT softpkg  
  ( title?  
    , author+  
    , description?  
    , propertyfile?  
    , descriptor?  
    , implementation+  
    , usesdevice*  
  )>  
<!ATTLIST softpkg  
  id      ID      #REQUIRED  
  name    CDATA   #REQUIRED  
  type    (sca_compliant | sca_non_compliant) "sca_compliant"  
  version CDATA   #IMPLIED >  
<!ELEMENT title (#PCDATA)>  
<!ELEMENT author  
  ( name*  
    , company?  
    , webpage?  
  )>  
<!ELEMENT name (#PCDATA)>  
<!ELEMENT company (#PCDATA)>  
<!ELEMENT webpage (#PCDATA)>  
<!ELEMENT description (#PCDATA)>  
<!ELEMENT propertyfile  
  ( localfile  
  )>  
<!ATTLIST propertyfile  
  type CDATA #IMPLIED>  
<!ELEMENT localfile EMPTY>  
<!ATTLIST localfile  
  name CDATA #REQUIRED>  
<!ELEMENT descriptor  
  (localfile  
  )>  
<!ATTLIST descriptor  
  name CDATA #IMPLIED>  
<!ELEMENT implementation  
  ( description?  
    , propertyfile?  
    , code  
    , compiler?  
    , programminglanguage?
```

```
, humanlanguage?
, runtime?
, ( os | processor | dependency )+
, usesdevice*
)>
<!--ATTLIST implementation
  id ID #REQUIRED
  aepcompliance (aep_compliant | lw_aep_compliant | aep_non_compliant) "aep_compliant">
<!--ELEMENT code
  ( localfile
  , entrypoint?
  , stacksize?
  , priority?
  )>
<!--ATTLIST code
  type CDATA #IMPLIED>
<!--ELEMENT entrypoint (#PCDATA)>
<!--ELEMENT stacksize (#PCDATA)>
<!--ELEMENT priority (#PCDATA)>
<!--ELEMENT compiler EMPTY>
<!--ATTLIST compiler
  name CDATA #REQUIRED
  version CDATA #IMPLIED>
<!--ELEMENT programminglanguage EMPTY>
<!--ATTLIST programminglanguage
  name CDATA #REQUIRED
  version CDATA #IMPLIED>
<!--ELEMENT humanlanguage EMPTY>
<!--ATTLIST humanlanguage
  name CDATA #REQUIRED>
<!--ELEMENT runtime EMPTY>
<!--ATTLIST runtime
  name CDATA #REQUIRED
  version CDATA #IMPLIED>
<!--ELEMENT os EMPTY>
<!--ATTLIST os
  name CDATA #REQUIRED
  version CDATA #IMPLIED>
<!--ELEMENT processor EMPTY>
<!--ATTLIST processor
  name CDATA #REQUIRED>
<!--ELEMENT dependency
  ( softpkgref | propertyref )>
<!--ATTLIST dependency
  type CDATA #REQUIRED>
<!--ELEMENT softpkgref
  ( localfile
  , implref?
  )>
<!--ELEMENT implref EMPTY>
<!--ATTLIST implref
  refid CDATA #REQUIRED>
<!--ELEMENT propertyref EMPTY>
<!--ATTLIST propertyref
  refid CDATA #REQUIRED
  value CDATA #REQUIRED>
<!--ELEMENT usesdevice
  ( propertyref+ )>
<!--ATTLIST usesdevice
  id ID #REQUIRED
  type CDATA #REQUIRED>
```