

```
<?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
-->

<!-- softwarecomponent.4.1.dtd -->

<!ELEMENT softwarecomponent
  ( componentrepid
    , componenttype
    , componentfeatures
    , interfaces
    , propertyfile?
  )>
<!ELEMENT componentrepid EMPTY>
<!ATTLIST componentrepid
  repid CDATA #REQUIRED>
<!ELEMENT componenttype (#PCDATA)>
<!ELEMENT componentfeatures
  ( supportsinterface*
    , ports
  )>
<!ELEMENT supportsinterface EMPTY>
<!ATTLIST supportsinterface
  repid CDATA #REQUIRED
  supportsname CDATA #REQUIRED>
<!ELEMENT ports
  ( provides | uses )*
>
<!ELEMENT provides
  ( porttype* )>
<!ATTLIST provides
  repid CDATA #REQUIRED
  providesname CDATA #REQUIRED
  maxconnections CDATA #REQUIRED>
<!ELEMENT uses
  ( porttype*
  )>
<!ATTLIST uses
  repid CDATA #REQUIRED
  usesname CDATA #REQUIRED
  maxconnections CDATA #REQUIRED>
<!ELEMENT porttype EMPTY>
<!ATTLIST porttype
  type ( data | control | responses | test ) #REQUIRED>
<!ELEMENT interfaces
  ( interface+ )>
<!ELEMENT interface
  ( inheritsinterface* ) >
<!ATTLIST interface
```

```
    repid CDATA #REQUIRED
    name    CDATA #REQUIRED>
<!--ELEMENT inheritsinterface EMPTY-->
<!--ATTLIST inheritsinterface
    repid CDATA #REQUIRED-->
<!--ELEMENT propertyfile
    ( localfile
    )>
<!--ATTLIST propertyfile
    type    CDATA #IMPLIED-->
<!--ELEMENT localfile EMPTY-->
<!--ATTLIST localfile
    name    CDATA #REQUIRED-->
```