```xml
<?xml version="1.0" encoding="UTF-8"?>
<!-- S//SI//REL TO FYEY -->
<!-- created by using CISB perl script rCombine.pl -->
<!ENTITY % accuracy "accuracy (averaged | confirmed | estimated | measured |
referenced | synthesized | tasked) #IMPLIED">
<!ENTITY % authority "authority (cse | dsd | gchq | gcsb | nsa) #IMPLIED">
<!ENTITY % score "score CDATA #IMPLIED">
<!ENTITY % stdDev "stdDev CDATA #IMPLIED">
<!ENTITY % legacy-distributionId "(fdi | opi | rcata | rcato | tdi | zipcode)">
<!ELEMENT distribution (%legacy-distributionId;)+>
<!ELEMENT fdi (#PCDATA)>
<!ELEMENT opi (#PCDATA)>
<!ATTLIST opi %authority; original CDATA #IMPLIED>
<!ELEMENT rcata (#PCDATA)>
<!ELEMENT rcato (#PCDATA)>
<!ELEMENT tdi (#PCDATA)>
<!ELEMENT zipcode (#PCDATA)>
<!ATTLIST zipcode original CDATA #IMPLIED><!ENTITY % secClass "sec:classification
(TS | S | C | U | R )">
<!ENTITY % secSpigFlags "sec:secCoi CDATA #IMPLIED sec:secLocalCoi CDATA #IMPLIED
sec:secNatlDissem CDATA #IMPLIED">
<!ENTITY % secIcismFlags "sec:declassification NMTOKENS #IMPLIED
sec:disseminationControls NMTOKENS #IMPLIED sec:SCIcontrols NMTOKENS #IMPLIED">
<!ENTITY % secRequired "%secClass; #REQUIRED %secSpigFlags; %secIcismFlags;">
<!ENTITY % secOptional "%secClass; #IMPLIED %secSpigFlags; %secIcismFlags;">
<!ELEMENT cluster (clusterType,signalLoc*,association*,processingPtr?)>
<!ATTLIST cluster %secOptional; version CDATA #REQUIRED release CDATA #FIXED
"2.5.1" xmlns CDATA #FIXED "urn:icwg:/ccdm/cluster" id CDATA #REQUIRED xlink:type
CDATA #FIXED "extended">
<!ELEMENT clusterType (#PCDATA)>
<!ELEMENT signalLoc (#PCDATA)>
<!ATTLIST signalLoc xlink:label CDATA #REQUIRED xlink:href CDATA #IMPLIED
xlink:type CDATA #FIXED "locator">
<!ELEMENT association EMPTY>
<!ATTLIST association xlink:type CDATA #FIXED "arc" xlink:role CDATA #REQUIRED
score CDATA #IMPLIED xlink:from CDATA #IMPLIED xlink:to CDATA #IMPLIED>
<!ELEMENT processingPtr EMPTY>
<!ATTLIST processingPtr xlink:href CDATA #REQUIRED xlink:type CDATA #FIXED "simple"
localId CDATA #IMPLIED>
<!ENTITY % object "id CDATA #REQUIRED version CDATA #REQUIRED"><!ELEMENT composite
(compositeType, (signalPtr | compositePtr)+)>
<!ATTLIST composite %object; %secOptional; completeness (complete | cutIn | cutOut
| partial | unknown) "unknown" release CDATA #FIXED "2.5.1" xmlns CDATA #FIXED
"urn:icwg:/ccdm/composite">
<!ELEMENT compositePtr EMPTY>
<!ATTLIST compositePtr xlink:href CDATA #IMPLIED xlink:type CDATA #FIXED "simple"
xlink:role CDATA #REQUIRED processedBy CDATA #IMPLIED>
<!ELEMENT compositeType (#PCDATA)>
<!ENTITY % collectionDesc "(copyReason?,dropReason?,mode?)">
<!ENTITY % legacy-collectionId "((binding,seqNum?) | transId | eri | siteMsgNum)">
<!ELEMENT binding (#PCDATA)>
<!ATTLIST binding side (forward | reverse) "forward">
<!ELEMENT collection ((%legacy-collectionId;)*,(%collectionDesc;)?)>
<!ELEMENT copyReason (#PCDATA)>
<!ELEMENT dropReason (#PCDATA)>
<!ELEMENT eri (#PCDATA)>
<!ATTLIST eri side (forward | reverse) "forward">
<!ELEMENT mode (#PCDATA)>
<!ELEMENT seqNum (#PCDATA)>
```

```dtd
<!ELEMENT siteMsgNum (#PCDATA)>
<!ELEMENT transId (#PCDATA)>
<!ATTLIST transId side (forward | reverse) "forward">
<!ELEMENT note (title?,author?,created?,noteText)>
<!ELEMENT title (#PCDATA)>
<!ELEMENT author (#PCDATA)>
<!ELEMENT created (#PCDATA)>
<!ELEMENT noteText (#PCDATA)><!ELEMENT antenna (hardware?, antennaPos?)>
<!ELEMENT antennaPos (azimuth)>
<!ELEMENT azimuth (#PCDATA)>
<!ELEMENT hardware (#PCDATA)>
<!ELEMENT errorEllipse (semiMajor, semiMinor, orientation)>
<!ATTLIST errorEllipse %score;>
<!ELEMENT dateTime (#PCDATA)>
<!ELEMENT geoPosition (dateTime?, lat, long, errorEllipse?)>
<!ELEMENT lat (#PCDATA)>
<!ATTLIST lat %accuracy;>
<!ELEMENT long (#PCDATA)>
<!ATTLIST long %accuracy;>
<!ELEMENT orientation (#PCDATA)>
<!ELEMENT semiMajor (#PCDATA)>
<!ELEMENT semiMinor (#PCDATA)>
<!ELEMENT receiver (hardware?)>
<!ELEMENT hwVers (#PCDATA)>
<!ELEMENT input (#PCDATA)>
<!ELEMENT operator (#PCDATA)>
<!ELEMENT output (#PCDATA)>
<!ELEMENT position (#PCDATA)>
<!ELEMENT providerSys (system?, sysVers?, subsystem?, subsysVers?, hardware?,
hwVers?, software?, swVers?, input?, output?, operator?, position?, (antenna?,
receiver?)*)>
<!ELEMENT software (#PCDATA)>
<!ELEMENT subsysVers (#PCDATA)>
<!ELEMENT subsystem (#PCDATA)>
<!ELEMENT swVers (#PCDATA)>
<!ELEMENT sysVers (#PCDATA)>
<!ELEMENT system (#PCDATA)>
<!ENTITY % legacy-providerId "(covername | pddg | sigad | persId | organization)">
<!ELEMENT covername (#PCDATA)>
<!ATTLIST covername %authority; original CDATA #IMPLIED>
<!ELEMENT flightRoute (#PCDATA)>
<!ELEMENT geoTrack (geoPosition+)>
<!ELEMENT organization (#PCDATA)>
<!ATTLIST organization %authority; original CDATA #IMPLIED>
<!ELEMENT pddg (#PCDATA)>
<!ATTLIST pddg original CDATA #IMPLIED>
<!ELEMENT persId (#PCDATA)>
<!ATTLIST persId %score;>
<!ELEMENT provider ((%legacy-providerId;)*,(geoPosition | geoTrack | flightRoute)?,
providerSys?)>
<!ELEMENT sigad (#PCDATA)>
<!ATTLIST sigad original CDATA #IMPLIED><!ELEMENT dictionaryCat (#PCDATA)>
<!ELEMENT selection ((selectionExpressionId | dictionaryCat)?,selector*)>
<!ELEMENT selectionExpressionId (#PCDATA)>
<!ELEMENT selector (#PCDATA)>
<!ATTLIST selector name CDATA #IMPLIED>
<!ELEMENT parameter (#PCDATA)>
<!ATTLIST parameter name CDATA #REQUIRED>
<!ELEMENT service (parameter*)>
```

```
<!ATTLIST service name CDATA #REQUIRED><!ENTITY % legacy-taskingSrc "(opi | pddg |
zipcode)">
<!ELEMENT tasking (%legacy-taskingSrc;)?>
<!ENTITY % legacy-line "(line?)">
<!ELEMENT transcription (form, (%legacy-line;)?)>
<!ELEMENT form (#PCDATA)>
<!ELEMENT line (#PCDATA)>


<!ENTITY % processingClassification "(processingType,processingCat)">
<!ENTITY % processingExtension "">
<!ENTITY % time "(begin?,end?)">
<!ELEMENT begin (#PCDATA)>
<!ELEMENT condition (#PCDATA)>
<!ELEMENT duration (#PCDATA)>
<!ELEMENT end (#PCDATA)>
<!ELEMENT priority (#PCDATA)>
<!ELEMENT processingCat (#PCDATA)>
<!ELEMENT processingEvent (%processingClassification;, (%time; | duration)?,
priority?, status?, condition?, provider?, (collection | tasking | selection |
service | transcription %processingExtension;)*, note*)>
<!ATTLIST processingEvent %secOptional; id CDATA #REQUIRED release CDATA #FIXED
"2.5.1" xmlns CDATA #FIXED "urn:icwg:/ccdm/processing">
<!ELEMENT processingType (#PCDATA)>
<!ELEMENT status (#PCDATA)>
<!ENTITY % legacy-category "(trafficCat | msgType | transmissionType | tad |
activity)">
<!ENTITY % legacy-target "(matNum | tdmHierarchy | aud | tud | asd)">
<!ELEMENT activity (#PCDATA)>
<!ELEMENT asd (#PCDATA)>
<!ATTLIST asd %score; original CDATA #IMPLIED side (forward | reverse) #IMPLIED>
<!ELEMENT aud (#PCDATA)>
<!ATTLIST aud %score; original CDATA #IMPLIED side (forward | reverse) #IMPLIED>
<!ELEMENT caseNot (#PCDATA)>
<!ATTLIST caseNot side (forward | reverse) #IMPLIED original CDATA #IMPLIED>
<!ELEMENT country (#PCDATA)>
<!ATTLIST country title CDATA #IMPLIED>
<!ELEMENT index (%legacy-category; | keyword | country)+>
<!ELEMENT intelRating (#PCDATA)>
<!ELEMENT keyword (#PCDATA)>
<!ATTLIST keyword %score;>
<!ELEMENT matNum (#PCDATA)>
<!ATTLIST matNum original CDATA #IMPLIED side (forward | reverse) #IMPLIED>
<!ELEMENT msgType (#PCDATA)>
<!ELEMENT profile (index*,caseNot*,target*,intelRating?)>
<!ATTLIST profile processedBy CDATA #IMPLIED>
<!ELEMENT tad (#PCDATA)>
<!ELEMENT target %legacy-target;>
<!ELEMENT tdmHierarchy (#PCDATA)>
<!ATTLIST tdmHierarchy %score; original CDATA #IMPLIED side (forward | reverse)
#IMPLIED>
<!ELEMENT trafficCat (#PCDATA)>
<!ELEMENT transmissionType (#PCDATA)>
<!ELEMENT tud (#PCDATA)>
<!ATTLIST tud %score; original CDATA #IMPLIED side (forward | reverse) #IMPLIED><!
ELEMENT accessCtrl (ownername?, ownerId?, groupname?, groupId?)>
<!ELEMENT ownername (#PCDATA)>
<!ELEMENT ownerId (#PCDATA)>
<!ELEMENT groupname (#PCDATA)>
<!ELEMENT groupId (#PCDATA)>
```

```
<!ELEMENT analog (power?, powerRipple?, snr?, frequency?, bandwidth?)>
<!ELEMENT power (#PCDATA)>
<!ELEMENT powerRipple (#PCDATA)>
<!ELEMENT snr (#PCDATA)>
<!ELEMENT frequency (#PCDATA)>
<!ATTLIST frequency %accuracy; reference (center | lowerBandEdge | upperBandEdge |
unknown) #REQUIRED %stdDev;>
<!ELEMENT bandwidth (#PCDATA)>
<!ATTLIST bandwidth %stdDev;>
<!ELEMENT appMailSess (msgType)>

<!ELEMENT appSess (appSess:provider?,msgType?,sessId?,userId?)>
<!ATTLIST appSess xmlns:appSess CDATA #FIXED "urn:icwg:/ccdm/signal">
<!ELEMENT appSess:provider (#PCDATA)>
<!ELEMENT sessId (#PCDATA)>
<!ELEMENT userId (#PCDATA)>

<!ELEMENT accessed (#PCDATA)>
<!ELEMENT file (filename?, file:extension?, pathname?, created?, modified?,
accessed?)>
<!ATTLIST file xmlns:file CDATA #FIXED "urn:icwg:/ccdm/signal">
<!ELEMENT file:extension (#PCDATA)>
<!ELEMENT filename (#PCDATA)>
<!ELEMENT modified (#PCDATA)>
<!ELEMENT pathname (#PCDATA)>
<!ELEMENT archive (fileCnt?, created?)>
<!ELEMENT fileCnt (#PCDATA)>
<!ELEMENT articleHdr (from?, newsgroups?, subject?)>
<!ELEMENT from (#PCDATA)>
<!ELEMENT newsgroups (#PCDATA)>
<!ELEMENT subject (#PCDATA)>
<!ELEMENT aalType (#PCDATA)>
<!ELEMENT atm (vpi?, vci?, aalType?, connectionType?, signallingProtocol?,
cellScrambling?, (calledPartyNum, calledPartyNumPlan)?, (callingPartyNum,
callingPartyNumPlan)?)>
<!ELEMENT calledPartyNum (#PCDATA)>
<!ELEMENT calledPartyNumPlan (#PCDATA)>
<!ELEMENT callingPartyNum (#PCDATA)>
<!ELEMENT callingPartyNumPlan (#PCDATA)>
<!ELEMENT cellScrambling (#PCDATA)>
<!ELEMENT connectionType (#PCDATA)>
<!ELEMENT signallingProtocol (#PCDATA)>
<!ELEMENT vci (#PCDATA)>
<!ELEMENT vpi (#PCDATA)>
<!ELEMENT audio (audioType?, quality?)>
<!ELEMENT audioType (#PCDATA)>
<!ELEMENT quality (#PCDATA)><!ELEMENT authentication (sharedSecret?)>
<!ATTLIST authentication %secOptional;>
<!ELEMENT sharedSecret (#PCDATA)>
<!ATTLIST sharedSecret %secOptional;><!ELEMENT binary (pattern?)>
<!ELEMENT pattern (patternType?, patternCnt?)>
<!ELEMENT patternType (#PCDATA)>
<!ELEMENT patternCnt (#PCDATA)><!ELEMENT addrType (#PCDATA)>
<!ATTLIST addrType title CDATA #IMPLIED>
<!ELEMENT ciscoRouter (addrType?, compressionExists?)>
<!ELEMENT compressionExists (#PCDATA)>
<!ELEMENT commsAccount:username (#PCDATA)>
<!ELEMENT commsAccount (commsAccount:username?)>
<!ATTLIST commsAccount xmlns:commsAccount CDATA #FIXED "urn:icwg:/ccdm/signal">
```

```
<!ELEMENT dataSecServ (#PCDATA)>
<!ATTLIST dataSecServ %secOptional;><!ELEMENT digital (dataRate?, bitErrorRate?,
polarity?, lineEncoding?, fwdErrorCorrection?, bitOrientation?, byteOrientation?,
pattern?)>
<!ELEMENT dataRate (#PCDATA)>
<!ATTLIST dataRate unit (octetsPerSecond | bitsPerSecond) #REQUIRED>
<!ELEMENT bitErrorRate (#PCDATA)>
<!ELEMENT polarity (#PCDATA)>
<!ELEMENT lineEncoding (#PCDATA)>
<!ELEMENT fwdErrorCorrection (#PCDATA)>
<!ELEMENT bitOrientation (#PCDATA)>
<!ELEMENT byteOrientation (#PCDATA)>
<!ELEMENT comments (#PCDATA)>
<!ELEMENT document (title?, author?, subject?, keywords?, comments?, template?,
lastAuthor?, revNum?, editTime?, lastPrinted?, created?, lastSave?, pageCnt?,
wordCnt?, security?, organization?, manager?, pageSize?, (script,
scriptPercentage?)?, font?, saveDate?)>
<!ELEMENT editTime (#PCDATA)>
<!ELEMENT font (typeFace?)>
<!ELEMENT keywords (#PCDATA)>
<!ELEMENT lastAuthor (#PCDATA)>
<!ELEMENT lastPrinted (#PCDATA)>
<!ELEMENT lastSave (#PCDATA)>
<!ELEMENT manager (#PCDATA)>
<!ELEMENT pageCnt (#PCDATA)>
<!ELEMENT pageSize (#PCDATA)>
<!ELEMENT revNum (#PCDATA)>
<!ELEMENT saveDate (#PCDATA)>
<!ELEMENT script (#PCDATA)>
<!ATTLIST script %score;>
<!ELEMENT scriptPercentage (#PCDATA)>
<!ELEMENT security (#PCDATA)>
<!ELEMENT template (#PCDATA)>
<!ELEMENT typeFace (#PCDATA)>
<!ATTLIST typeFace %score;>
<!ELEMENT wordCnt (#PCDATA)><!ELEMENT drp (destNode?,srcNode?)>
<!ELEMENT destNode (#PCDATA)>
<!ELEMENT srcNode (#PCDATA)>
<!ELEMENT displayname (#PCDATA)>
<!ELEMENT domain (#PCDATA)>
<!ATTLIST domain order CDATA "0">
<!ELEMENT emailAddr (role?, username?, displayname?, domain?)>
<!ELEMENT role (#PCDATA)>
<!ELEMENT username (#PCDATA)>
<!ELEMENT bcc (#PCDATA)>
<!ELEMENT cc (#PCDATA)>
<!ELEMENT date (#PCDATA)>
<!ELEMENT emailHdr (from?, to?, subject?, cc?, bcc?, date?, msgId?, msgSize?)>
<!ELEMENT msgId (#PCDATA)>
<!ELEMENT msgSize (#PCDATA)>
<!ELEMENT to (#PCDATA)>
<!ENTITY % cryptoId "(cryptoSysTitle? | ((cryptologic?,keyGenerator?) |
cryptoDev*))">
<!ELEMENT encryption (%cryptoId;,cipherStart*,cipherKey?,cryptoVariable*)>
<!ATTLIST encryption %secOptional;>
<!ELEMENT cipherStart (flag*,variable*)>
<!ATTLIST cipherStart %secOptional;>
<!ELEMENT cipherKey (key?,appMethod?)>
<!ATTLIST cipherKey %secOptional;>
```

```
<!ELEMENT cryptoVariable (#PCDATA)>
<!ATTLIST cryptoVariable name CDATA "cv" size CDATA #IMPLIED sizeUnit (bits |
characters | groups | segments | frames | octets) "bits" %secOptional;>
<!ELEMENT cryptoSysTitle (#PCDATA)>
<!ATTLIST cryptoSysTitle %secOptional;>
<!ELEMENT cryptologic (#PCDATA)>
<!ATTLIST cryptologic %secOptional;>
<!ELEMENT keyGenerator (#PCDATA)>
<!ATTLIST keyGenerator %secOptional;>
<!ELEMENT cryptoDev (cryptoDevId?,version?,product?,manufacturer?,use?)>
<!ATTLIST cryptoDev %secOptional;>
<!ELEMENT flag (#PCDATA)>
<!ATTLIST flag %secOptional;>
<!ELEMENT variable (#PCDATA)>
<!ATTLIST variable name CDATA #IMPLIED %secOptional;>
<!ELEMENT key (#PCDATA)>
<!ATTLIST key %secOptional;>
<!ELEMENT appMethod (#PCDATA)>
<!ATTLIST appMethod %secOptional;>
<!ELEMENT cryptoDevId (#PCDATA)>
<!ATTLIST cryptoDevId %secOptional;>
<!ELEMENT version (#PCDATA)>
<!ATTLIST version %secOptional;>
<!ELEMENT product (#PCDATA)>
<!ATTLIST product %secOptional;>
<!ELEMENT manufacturer (#PCDATA)>
<!ATTLIST manufacturer %secOptional;>
<!ELEMENT use (#PCDATA)>
<!ATTLIST use %secOptional;>


<!ELEMENT dmac (#PCDATA)>
<!ATTLIST dmac vendor CDATA #IMPLIED>
<!ELEMENT ethernetV2 (dmac?, smac?)>
<!ELEMENT smac (#PCDATA)>
<!ATTLIST smac vendor CDATA #IMPLIED><!ELEMENT nextProtocol (#PCDATA)>
<!ELEMENT etherType (nextProtocol?)>
<!ELEMENT chanExtent (#PCDATA)>
<!ATTLIST chanExtent unit (bitlanes | channels | ports | timeslots | tones |
tributaries | streams) #REQUIRED>
<!ELEMENT dataExtent (#PCDATA)>
<!ATTLIST dataExtent unit (octets | bits | files | pages | parts | samples |
segments | frames | characters | sequenceNumbers) #REQUIRED sequence (first |
intermediate | last) #IMPLIED>
<!ELEMENT freqExtent (#PCDATA)>
<!ELEMENT regionExtent (x,y)*>
<!ATTLIST regionExtent reference (upperLeft) "upperLeft">
<!ELEMENT timeExtent (#PCDATA)>
<!ELEMENT x (#PCDATA)>
<!ELEMENT y (#PCDATA)>
<!ELEMENT crcLength (#PCDATA)>
<!ELEMENT crcType (#PCDATA)>
<!ELEMENT frameCnt (#PCDATA)>
<!ELEMENT frameLength (#PCDATA)>
<!ELEMENT frameLengthMod8 (#PCDATA)>
<!ELEMENT frameState (#PCDATA)>
<!ELEMENT framing (frameLength?, frameLengthMod8?, frameState?, frameCnt?,
crcType?, crcLength?)>
<!ELEMENT frf11 (outSession?,subChan?,(ctrlType? | (hdlc?,modType?)))>
<!ELEMENT outSession (#PCDATA)>
```

```
<!ELEMENT subChan (#PCDATA)>
<!ELEMENT ctrlType (#PCDATA)>
<!ATTLIST ctrlType title CDATA #IMPLIED>
<!ELEMENT hdlc (#PCDATA)>
<!ELEMENT modType (#PCDATA)>
<!ELEMENT clientHost (#PCDATA)>
<!ELEMENT ftpCtrl (clientHost?, serverHost?, filename?)>
<!ELEMENT serverHost (#PCDATA)>
<!ELEMENT gre (keyCallId?,seqRanges*,nextProtocol?)>
<!ELEMENT keyCallId (#PCDATA)>
<!ELEMENT seqRanges (#PCDATA)>
<!ENTITY % partyNum "(publicParty | dataPartyNum | telexPartyNum | privateParty |
natlStdPartyNum)">
<!ELEMENT h225CallSignaling (alerting | callProceeding | connect | connectAck |
progress | setup | setupAck | resumeAck | resumeRej | suspendAck | suspendRej |
userInfo | disconnect | release | releaseComplete | restart | restartAck |
congestionCtrl | information | notify | h225:status | statusInquiry |
h225:facility)>
<!ATTLIST h225CallSignaling xmlns:h225 CDATA #FIXED "urn:icwg:/ccdm/signal">
<!ELEMENT alerting (bearer?,progressIndicator?,notificationDesc?,displayInfo?,
callRefVal?,signalVal?,userToUser?)>
<!ELEMENT callProceeding
(bearer?,progressIndicator?,notificationDesc?,displayInfo?,
callRefVal?,userToUser?)>
<!ELEMENT connect (bearer?,connected?,progressIndicator?,notificationDesc?,
displayInfo?,callRefVal?,signalVal?,userToUser?)>
<!ELEMENT connectAck (displayInfo?,callRefVal?,signalVal?)>
<!ELEMENT progress (bearer?,cause?,progressIndicator?,notificationDesc?,
displayInfo?,callRefVal?,userToUser?)>
<!ELEMENT setup
(bearer?,calledParty?,callingParty?,redirecting?,progressIndicator?,
notificationDesc?,displayInfo?,callRefVal?,keypadFacility?,signalVal?,
userToUser?)>
<!ELEMENT setupAck (progressIndicator?,displayInfo?,callRefVal?,signalVal?)>
<!ELEMENT resumeAck (displayInfo?,callRefVal?)>
<!ELEMENT resumeRej (cause?,displayInfo?,callRefVal?)>
<!ELEMENT suspendAck (displayInfo?,callRefVal?)>
<!ELEMENT suspendRej (cause?,displayInfo?,callRefVal?)>
<!ELEMENT userInfo (callRefVal?,userToUser?)>
<!ELEMENT disconnect
(cause?,progressIndicator?,displayInfo?,callRefVal?,signalVal?)>
<!ELEMENT release (cause?,displayInfo?,callRefVal?,signalVal?)>
<!ELEMENT releaseComplete (cause?,notificationDesc?,displayInfo?,callRefVal?,
signalVal?,userToUser?)>
<!ELEMENT restart (displayInfo?,callRefVal?)>
<!ELEMENT restartAck (displayInfo?,callRefVal?)>
<!ELEMENT congestionCtrl (cause?,displayInfo?,callRefVal?)>
<!ELEMENT information
(calledParty?,cause?,displayInfo?,callRefVal?,keypadFacility?,
signalVal?,userToUser?)>
<!ELEMENT notify (bearer?,notificationDesc?,displayInfo?,callRefVal?)>
<!ELEMENT h225:status (callState?,cause?,displayInfo?,callRefVal?)>
<!ELEMENT statusInquiry (displayInfo?,callRefVal?)>
<!ELEMENT h225:facility (notificationDesc?,displayInfo?,callRefVal?,userToUser?)>
<!ELEMENT bearer (xferCap?,xferMode?,xferRate?,layer1Proto?)>
<!ELEMENT progressIndicator (location?,progressDesc?)>
<!ELEMENT notificationDesc (#PCDATA)>
<!ATTLIST notificationDesc title CDATA #IMPLIED>
<!ELEMENT displayInfo (#PCDATA)>
```

```
<!ATTLIST displayInfo hex CDATA #IMPLIED>
<!ELEMENT callRefVal (#PCDATA)>
<!ELEMENT signalVal (#PCDATA)>
<!ATTLIST signalVal title CDATA #IMPLIED>
<!ELEMENT userToUser (versId?,callId?,clearToken*,confId?,h225ReleaseReason?,
h225Src?,h225Dest?,fastStart?,h245Tunneling?)>
<!ELEMENT h245Tunneling EMPTY>
<!ELEMENT connected (number?,numType?,numPlan?,subaddr?,subaddrType?,
screeningIndicator?)>
<!ELEMENT cause (location?,causeVal?)>
<!ELEMENT calledParty (number?,numType?,numPlan?,subaddr?,subaddrType?)>
<!ELEMENT callingParty (number?,numType?,numPlan?,subaddr?,subaddrType?)>
<!ELEMENT redirecting (number?,numType?,numPlan?,screeningIndicator?,reason?)>
<!ELEMENT keypadFacility (#PCDATA)>
<!ATTLIST keypadFacility hex CDATA #IMPLIED>
<!ELEMENT callState (#PCDATA)>
<!ATTLIST callState title CDATA #IMPLIED>
<!ELEMENT xferCap (#PCDATA)>
<!ATTLIST xferCap title CDATA #IMPLIED>
<!ELEMENT xferMode (#PCDATA)>
<!ATTLIST xferMode title CDATA #IMPLIED>
<!ELEMENT xferRate (#PCDATA)>
<!ATTLIST xferRate title CDATA #IMPLIED>
<!ELEMENT layer1Proto (#PCDATA)>
<!ATTLIST layer1Proto title CDATA #IMPLIED>
<!ELEMENT location (#PCDATA)>
<!ATTLIST location title CDATA #IMPLIED>
<!ELEMENT progressDesc (#PCDATA)>
<!ATTLIST progressDesc title CDATA #IMPLIED>
<!ELEMENT versId (#PCDATA)>
<!ATTLIST versId ascii CDATA #IMPLIED>
<!ELEMENT callId (#PCDATA)>
<!ELEMENT clearToken (timestamp?,password?,h235:nonStdParam?)>
<!ELEMENT confId (#PCDATA)>
<!ELEMENT h225ReleaseReason (#PCDATA)>
<!ELEMENT h225Src (endptType?,address?,callSignalAddr?,h245Addr?)>
<!ELEMENT h225Dest (endptType?,address?,callSignalAddr?,h245Addr?)>
<!ELEMENT fastStart (openLogChan*)>
<!ELEMENT number (#PCDATA)>
<!ELEMENT numType (#PCDATA)>
<!ATTLIST numType title CDATA #IMPLIED>
<!ELEMENT numPlan (#PCDATA)>
<!ATTLIST numPlan title CDATA #IMPLIED>
<!ELEMENT subaddr (#PCDATA)>
<!ELEMENT subaddrType (#PCDATA)>
<!ATTLIST subaddrType title CDATA #IMPLIED>
<!ELEMENT screeningIndicator (#PCDATA)>
<!ATTLIST screeningIndicator title CDATA #IMPLIED>
<!ELEMENT causeVal (#PCDATA)>
<!ATTLIST causeVal title CDATA #IMPLIED>
<!ELEMENT reason (#PCDATA)>
<!ATTLIST reason title CDATA #IMPLIED>
<!ELEMENT timestamp (#PCDATA)>
<!ELEMENT password (#PCDATA)>
<!ATTLIST password unicode CDATA #IMPLIED hex CDATA #IMPLIED>
<!ELEMENT h235:nonStdParam (h235:nonStdObjId?,data?)>
<!ELEMENT endptType (endptTypeEntry*,h225NonStdParam?,vendorId?,gkInfo?,gtwyInfo?,
mcuInfo?,termInfo?)>
<!ELEMENT address (aliasAddr*)>
```

```
<!ELEMENT callSignalAddr (transAddr*)>
<!ELEMENT h245Addr (transAddr?)>
<!ELEMENT openLogChan (fwdLogChanNum?,fwdLogChanParams?,revLogChanParams?,
separateStack?,encrSync?)>
<!ELEMENT h235:nonStdObjId (#PCDATA)>
<!ATTLIST h235:nonStdObjId hex CDATA #IMPLIED>
<!ELEMENT data (#PCDATA)>
<!ATTLIST data ascii CDATA #IMPLIED>
<!ELEMENT endptTypeEntry (#PCDATA)>
<!ELEMENT h225NonStdParam ((h225NonStdObjId | h221NonStd)?,data?)>
<!ELEMENT vendorId (h221NonStd?,productId?,versId?)>
<!ELEMENT gkInfo (h225NonStdParam?)>
<!ELEMENT gtwyInfo (supportedProto*,h225NonStdParam?)>
<!ELEMENT mcuInfo (h225NonStdParam?)>
<!ELEMENT termInfo (h225NonStdParam?)>
<!ELEMENT aliasAddr (e164Addr | h323Id | urlId | transAddr | emailId | %partyNum;)>
<!ELEMENT transAddr (ipAddr | ipSrcRoute | ipxAddr | ip6Addr | netBios | nsapAddr |
h225NonStdParam)>
<!ELEMENT fwdLogChanNum (#PCDATA)>
<!ELEMENT fwdLogChanParams (portNum?,dataType?,muxParams?,fwdLogChanDependency?,
replacementFor?)>
<!ELEMENT revLogChanParams (dataType?,revMuxParams?,revLogChanDependency?,
replacementFor?)>
<!ELEMENT separateStack (netAccessParams)>
<!ELEMENT encrSync (h245NonStdParam?,synchFlag?,h235Key?,escrowEntry?)>
<!ELEMENT h225NonStdObjId (#PCDATA)>
<!ATTLIST h225NonStdObjId hex CDATA #IMPLIED>
<!ELEMENT h221NonStd (t35CntryCode?,t35Ext?,mfgCode?)>
<!ELEMENT productId (#PCDATA)>
<!ATTLIST productId ascii CDATA #IMPLIED>
<!ELEMENT supportedProto (supportedProtoEntry,(h225NonStdParam? | h225DataRate* |
supportedPrefix* | maxCallCap?)*)>
<!ELEMENT e164Addr (#PCDATA)>
<!ELEMENT h323Id (#PCDATA)>
<!ATTLIST h323Id hex CDATA #IMPLIED>
<!ELEMENT urlId (#PCDATA)>
<!ELEMENT emailId (#PCDATA)>
<!ELEMENT ipAddr (ip?,port?)>
<!ELEMENT ipSrcRoute (ip?,port?,route?,routing?)>
<!ELEMENT ipxAddr (node?,netNum?,ipxPort?)>
<!ELEMENT ip6Addr (ip6?,port?)>
<!ELEMENT netBios (#PCDATA)>
<!ELEMENT nsapAddr (#PCDATA)>
<!ATTLIST nsapAddr hex CDATA #IMPLIED>
<!ELEMENT portNum (#PCDATA)>
<!ELEMENT dataType (dataTypeEntry,(h245NonStdParam | vidCap | audCap | dataAppCap |
encrDataEntry | encrAuthAndIntegrity)*)>
<!ELEMENT muxParams (muxParamsEntry,(h222LogChanParams | h223LogChanParams | h225-
0LogChanParams)*)>
<!ELEMENT fwdLogChanDependency (#PCDATA)>
<!ELEMENT replacementFor (#PCDATA)>
<!ELEMENT revMuxParams (h223LogChanParams?,h225-0LogChanParams?)>
<!ELEMENT revLogChanDependency (#PCDATA)>
<!ELEMENT netAccessParams (netAccessParamsEntry*,h245:distribution?,netAddr?,
externalRef?,t120SetupProc?)>
<!ELEMENT h245NonStdParam ((h245NonStdObjId | h221NonStd)?,nonStdData?)>
<!ELEMENT synchFlag (#PCDATA)>
<!ELEMENT h235Key (#PCDATA)>
<!ATTLIST h235Key ascii CDATA #IMPLIED>
```

```
<!ELEMENT escrowEntry (escrowId?,escrowVal?)*>
<!ELEMENT t35CntryCode (#PCDATA)>
<!ATTLIST t35CntryCode title CDATA #IMPLIED>
<!ELEMENT t35Ext (#PCDATA)>
<!ELEMENT mfgCode (#PCDATA)>
<!ATTLIST mfgCode title CDATA #IMPLIED>
<!ELEMENT supportedProtoEntry (#PCDATA)>
<!ELEMENT h225DataRate (h225NonStdParam?,chanRate?,chanMultiplier?)>
<!ELEMENT supportedPrefix (h225NonStdParam?,aliasAddr?)>
<!ELEMENT maxCallCap (#PCDATA)>
<!ELEMENT publicParty (publicPartyNum,publicPartyNumType)>
<!ELEMENT dataPartyNum (#PCDATA)>
<!ELEMENT telexPartyNum (#PCDATA)>
<!ELEMENT privateParty (privatePartyNum,privatePartyNumType)>
<!ELEMENT natlStdPartyNum (#PCDATA)>
<!ELEMENT ip (#PCDATA)>
<!ELEMENT port (#PCDATA)>
<!ELEMENT route (ip*)>
<!ELEMENT routing (routingEntry)>
<!ELEMENT node (#PCDATA)>
<!ATTLIST node hex CDATA #IMPLIED>
<!ELEMENT netNum (#PCDATA)>
<!ATTLIST netNum ascii CDATA #IMPLIED>
<!ELEMENT ipxPort (#PCDATA)>
<!ELEMENT ip6 (#PCDATA)>
<!ELEMENT dataTypeEntry (#PCDATA)>
<!ELEMENT vidCap (h245NonStdParam | h261VidCap | h262VidCap | h263VidCap |
is11172VidCap | genCap)>
<!ELEMENT audCap (h245NonStdParam | g711Alaw64k | g711Alaw56k | g711Ulaw64k |
g711Ulaw56k | g722-64k | g722-56k | g722-48k | g7231 | g728 | g729 | g729AnxA |
is11172AudCap | is13818AudCap | g729wAnxB | g729AnxAwAnxB | g7231AnxCCap |
gsmFullRate | gsmHalfRate | gsmEnhancedFullRate | genAudCap)>
<!ELEMENT dataAppCap (application?,maxBitRate?)>
<!ELEMENT encrDataEntry (#PCDATA)>
<!ELEMENT encrAuthAndIntegrity (encrCap*,authCap*,integrityCap*)>
<!ELEMENT muxParamsEntry (#PCDATA)>
<!ELEMENT h222LogChanParams (resourceId?,subChanId?,pcrpid?,programDescs?,
streamDescs?)>
<!ELEMENT h223LogChanParams (h223LogChanParamsEntry*)>
<!ELEMENT h225-0LogChanParams (h225-0LogChanParamsEntry*,h245NonStdParam*,sessId?,
assocSessId?,mediaChan?,mediaCtrlChan?,destination?,dynRtpPayldType?,
mediaPktz?,transCap?,source?)>
<!ELEMENT netAccessParamsEntry (#PCDATA)>
<!ELEMENT h245:distribution (distroEntry)>
<!ELEMENT netAddr (q2931Addr | e164Addr | localAreaAddr)>
<!ELEMENT externalRef (#PCDATA)>
<!ATTLIST externalRef ascii CDATA #IMPLIED>
<!ELEMENT t120SetupProc (t120SetupProcEntry)>
<!ELEMENT h245NonStdObjId (#PCDATA)>
<!ATTLIST h245NonStdObjId hex CDATA #IMPLIED>
<!ELEMENT nonStdData (#PCDATA)>
<!ATTLIST nonStdData ascii CDATA #IMPLIED unicode CDATA #IMPLIED>
<!ELEMENT escrowId (#PCDATA)>
<!ATTLIST escrowId hex CDATA #IMPLIED>
<!ELEMENT escrowVal (#PCDATA)>
<!ELEMENT chanRate (bandwidth)>
<!ELEMENT chanMultiplier (#PCDATA)>
<!ELEMENT publicPartyNum (#PCDATA)>
<!ELEMENT publicPartyNumType (publicPartyNumTypeEntry)>
```

```
<!ELEMENT privatePartyNum (#PCDATA)>
<!ELEMENT privatePartyNumType (privatePartyNumTypeEntry)>
<!ELEMENT routingEntry (#PCDATA)>
<!ELEMENT h261VidCap (h261VidCapEntry*,qcifMpi?,cifMpi?,maxBitRate?)>
<!ELEMENT h262VidCap (h262VidCapEntry*,vidBitRate?,vbvBufferSize?,samplesPerLine?,
linesPerFrame?,framesPerSecond?,luminanceSampleRate?)>
<!ELEMENT h263VidCap (h263VidCapEntry*,sqcifMpi?,qcifMpi?,cifMpi?,cif4Mpi?,
cif16Mpi?,maxBitRate?,hrdb?,bppMaxKb?,slowSqcifMpi?,slowQcifMpi?,
slowCifMpi?,slowCif4Mpi?,slowCif16Mpi?,enhancLayerInfo?)>
<!ELEMENT is11172VidCap (is11172VidCapEntry*,vidBitRate?,vbvBufferSize?,
samplesPerLine?,linesPerFrame?,pictureRate?,luminanceSampleRate?)>
<!ELEMENT genCap (capId?,maxBitRate?,collapsing?,nonCollapsing?,nonCollapsingRaw?,
transport?)>
<!ELEMENT g711Alaw64k (#PCDATA)>
<!ELEMENT g711Alaw56k (#PCDATA)>
<!ELEMENT g711Ulaw64k (#PCDATA)>
<!ELEMENT g711Ulaw56k (#PCDATA)>
<!ELEMENT g722-64k (#PCDATA)>
<!ELEMENT g722-56k (#PCDATA)>
<!ELEMENT g722-48k (#PCDATA)>
<!ELEMENT g7231 (g7231Entry*,maxAlSduAudFrames?)>
<!ELEMENT g728 (#PCDATA)>
<!ELEMENT g729 (#PCDATA)>
<!ELEMENT g729AnxA (#PCDATA)>
<!ELEMENT is11172AudCap (is11172AudCapEntry*,bitRate?)>
<!ELEMENT is13818AudCap (is13818AudCapEntry*,bitRate?)>
<!ELEMENT g729wAnxB (#PCDATA)>
<!ELEMENT g729AnxAwAnxB (#PCDATA)>
<!ELEMENT g7231AnxCCap (g7231AnxCCapEntry*,maxAlSduAudFrames?,g723AnxCAudMode?)>
<!ELEMENT gsmFullRate (gsmAudCap)>
<!ELEMENT gsmHalfRate (gsmAudCap)>
<!ELEMENT gsmEnhancedFullRate (gsmAudCap)>
<!ELEMENT genAudCap (genCap)>
<!ELEMENT application (appEntry,(h245NonStdParam | dataProtoCap | t84Profile |
nlpidData | t38FaxProfile | genDataCap)*)>
<!ELEMENT maxBitRate (#PCDATA)>
<!ELEMENT encrCap (h245NonStdParam | algorithm)>
<!ELEMENT authCap (h245NonStdParam)>
<!ELEMENT integrityCap (h245NonStdParam)>
<!ELEMENT resourceId (#PCDATA)>
<!ELEMENT subChanId (#PCDATA)>
<!ELEMENT pcrpid (#PCDATA)>
<!ELEMENT programDescs (#PCDATA)>
<!ATTLIST programDescs ascii CDATA #IMPLIED>
<!ELEMENT streamDescs (#PCDATA)>
<!ATTLIST streamDescs ascii CDATA #IMPLIED>
<!ELEMENT h223LogChanParamsEntry (#PCDATA)>
<!ELEMENT h225-0LogChanParamsEntry (#PCDATA)>
<!ELEMENT assocSessId (#PCDATA)>
<!ELEMENT mediaChan (h245:transAddr)>
<!ELEMENT mediaCtrlChan (h245:transAddr)>
<!ELEMENT destination (termLabel)>
<!ELEMENT dynRtpPayldType (#PCDATA)>
<!ELEMENT mediaPktz (mediaPktzEntry,rtpPayldType?)>
<!ELEMENT transCap (h245NonStdParam?,mediaChanCaps*)>
<!ELEMENT source (termLabel)>
<!ELEMENT distroEntry (#PCDATA)>
<!ELEMENT q2931Addr (h245:address?,subaddr?)>
<!ELEMENT localAreaAddr (h245:transAddr)>
```

```
<!ELEMENT t120SetupProcEntry (#PCDATA)>
<!ELEMENT publicPartyNumTypeEntry (#PCDATA)>
<!ELEMENT privatePartyNumTypeEntry (#PCDATA)>
<!ELEMENT h261VidCapEntry (#PCDATA)>
<!ELEMENT qcifMpi (#PCDATA)>
<!ELEMENT cifMpi (#PCDATA)>
<!ELEMENT h262VidCapEntry (#PCDATA)>
<!ELEMENT vidBitRate (#PCDATA)>
<!ELEMENT vbvBufferSize (#PCDATA)>
<!ELEMENT samplesPerLine (#PCDATA)>
<!ELEMENT linesPerFrame (#PCDATA)>
<!ELEMENT framesPerSecond (#PCDATA)>
<!ELEMENT luminanceSampleRate (#PCDATA)>
<!ELEMENT h263VidCapEntry (#PCDATA)>
<!ELEMENT sqcifMpi (#PCDATA)>
<!ELEMENT cif4Mpi (#PCDATA)>
<!ELEMENT cif16Mpi (#PCDATA)>
<!ELEMENT hrdb (#PCDATA)>
<!ELEMENT bppMaxKb (#PCDATA)>
<!ELEMENT slowSqcifMpi (#PCDATA)>
<!ELEMENT slowQcifMpi (#PCDATA)>
<!ELEMENT slowCifMpi (#PCDATA)>
<!ELEMENT slowCif4Mpi (#PCDATA)>
<!ELEMENT slowCif16Mpi (#PCDATA)>
<!ELEMENT enhancLayerInfo (enhancLayerInfoEntry*,snrEnhanc?,spatialEnhanc?,
bpictureEnhanc?)>
<!ELEMENT is11172VidCapEntry (#PCDATA)>
<!ELEMENT pictureRate (#PCDATA)>
<!ELEMENT capId (capStdObjId | h245NonStdParam | uuid | domainBased)>
<!ELEMENT collapsing (genParam*)>
<!ELEMENT nonCollapsing (genParam*)>
<!ELEMENT nonCollapsingRaw (#PCDATA)>
<!ELEMENT transport (dataProtoCap)>
<!ELEMENT g7231Entry (#PCDATA)>
<!ELEMENT maxAlSduAudFrames (#PCDATA)>
<!ELEMENT is11172AudCapEntry (#PCDATA)>
<!ELEMENT bitRate (#PCDATA)>
<!ELEMENT is13818AudCapEntry (#PCDATA)>
<!ELEMENT g7231AnxCCapEntry (#PCDATA)>
<!ELEMENT g723AnxCAudMode (highRateMode0?,highRateMode1?,lowRateMode0?,
lowRateMode1?,sidMode0?,sidMode1?)>
<!ELEMENT gsmAudCap (gsmAudCapEntry*,audUnitSize?)>
<!ELEMENT appEntry (#PCDATA)>
<!ELEMENT dataProtoCap (dataProtoCapEntry,(h245NonStdParam | v42bis)*)>
<!ELEMENT t84Profile (t84Unrestricted | t84Restricted+)>
<!ELEMENT nlpidData (#PCDATA)>
<!ATTLIST nlpidData hex CDATA #IMPLIED unicode CDATA #IMPLIED>
<!ELEMENT t38FaxProfile (t38FaxProfileEntry*)>
<!ELEMENT genDataCap (genCap)>
<!ELEMENT algorithm (#PCDATA)>
<!ATTLIST algorithm hex CDATA #IMPLIED>
<!ELEMENT h245:transAddr (unicastAddr | multicastAddr)>
<!ELEMENT termLabel (mcuNum?,termNum?)>
<!ELEMENT mediaPktzEntry (#PCDATA)>
<!ELEMENT rtpPayldType (payldDesc?,payldType?)>
<!ELEMENT mediaChanCaps (mediaTrans)>
<!ELEMENT h245:address (intlNum | nsapAddr)>
<!ELEMENT enhancLayerInfoEntry (#PCDATA)>
<!ELEMENT snrEnhanc (enhancOpts*)>
```

```
<!ELEMENT spatialEnhanc (enhancOpts*)>
<!ELEMENT bpictureEnhanc (enhancOpts,numOfBpictures)*>
<!ELEMENT capStdObjId (#PCDATA)>
<!ATTLIST capStdObjId hex CDATA #IMPLIED>
<!ELEMENT uuid (#PCDATA)>
<!ELEMENT domainBased (#PCDATA)>
<!ATTLIST domainBased hex CDATA #IMPLIED>
<!ELEMENT genParam (paramId?,paramVal?,supersedes?)>
<!ELEMENT highRateMode0 (#PCDATA)>
<!ELEMENT highRateMode1 (#PCDATA)>
<!ELEMENT lowRateMode0 (#PCDATA)>
<!ELEMENT lowRateMode1 (#PCDATA)>
<!ELEMENT sidMode0 (#PCDATA)>
<!ELEMENT sidMode1 (#PCDATA)>
<!ELEMENT gsmAudCapEntry (#PCDATA)>
<!ELEMENT audUnitSize (#PCDATA)>
<!ELEMENT dataProtoCapEntry (#PCDATA)>
<!ELEMENT v42bis (numOfCodewords?,maxStringLength?)>
<!ELEMENT t84Unrestricted EMPTY>
<!ELEMENT t84Restricted (t84RestrictedEntry*)>
<!ELEMENT t38FaxProfileEntry (#PCDATA)>
<!ELEMENT unicastAddr (h245:ipAddr | h245:ipxAddr | h245:ip6Addr | netBios |
ipSrcRouteAddr | nsapAddr | h245NonStdParam)>
<!ELEMENT multicastAddr (h245:ipAddr | h245:ip6Addr | nsapAddr | h245NonStdParam)>
<!ELEMENT mcuNum (#PCDATA)>
<!ELEMENT termNum (#PCDATA)>
<!ELEMENT payldDesc (h245NonStdParam | rfcNum | rtpPayldObjId)>
<!ELEMENT payldType (#PCDATA)>
<!ELEMENT mediaTrans (mediaTransEntry*)>
<!ELEMENT intlNum (#PCDATA)>
<!ELEMENT enhancOpts (enhancOptsEntry*,sqcifMpi?,qcifMpi?,cifMpi?,cif4Mpi?,
cif16Mpi?,maxBitRate?,slowSqcifMpi?,slowQcifMpi?,slowCifMpi?,
slowCif4Mpi?,slowCif16Mpi?)>
<!ELEMENT numOfBpictures (#PCDATA)>
<!ELEMENT paramId (capStdObjId | h245NonStdParam | uuid | domainBased)>
<!ELEMENT paramVal (paramValEntry,(booleanArray | unsignedMin | unsignedMax |
unsigned32Min | unsigned32Max | paramValOctetString | genParam)*)>
<!ELEMENT supersedes (paramId*)>
<!ELEMENT numOfCodewords (#PCDATA)>
<!ELEMENT maxStringLength (#PCDATA)>
<!ELEMENT t84RestrictedEntry (#PCDATA)>
<!ELEMENT h245:ipAddr (network?,tsapId?)>
<!ELEMENT h245:ipxAddr (node?,netNum?,ipxTsapId?)>
<!ELEMENT h245:ip6Addr (ip6Net?,tsapId?)>
<!ELEMENT ipSrcRouteAddr (h245:routing?,network?,tsapId?,h245:route*)>
<!ELEMENT rfcNum (#PCDATA)>
<!ELEMENT rtpPayldObjId (#PCDATA)>
<!ATTLIST rtpPayldObjId hex CDATA #IMPLIED>
<!ELEMENT mediaTransEntry (#PCDATA)>
<!ELEMENT enhancOptsEntry (#PCDATA)>
<!ELEMENT paramValEntry (#PCDATA)>
<!ELEMENT booleanArray (#PCDATA)>
<!ELEMENT unsignedMin (#PCDATA)>
<!ELEMENT unsignedMax (#PCDATA)>
<!ELEMENT unsigned32Min (#PCDATA)>
<!ELEMENT unsigned32Max (#PCDATA)>
<!ELEMENT paramValOctetString (#PCDATA)>
<!ATTLIST paramValOctetString ascii CDATA #IMPLIED>
<!ELEMENT network (#PCDATA)>
```

```
<!ELEMENT tsapId (#PCDATA)>
<!ELEMENT ipxTsapId (#PCDATA)>
<!ELEMENT ip6Net (#PCDATA)>
<!ELEMENT h245:routing (#PCDATA)>
<!ELEMENT h245:route (#PCDATA)>
<!ENTITY % rasCommon "(reqSeqNum?,h225NonStdParam?,clearToken*)">
<!ELEMENT h225Ras (gkReq | gkConfirm | gkRej | regReq | regConfirm | regRej |
admissionReq | admissionConfirm | admissionRej | disengageReq | disengageConfirm |
locReq | locConfirm | locRej | infoReq | infoReqResp)>
<!ATTLIST h225Ras xmlns:h225 CDATA #FIXED "urn:icwg:/ccdm/signal" xmlns:h235 CDATA
#FIXED "urn:icwg:/ccdm/signal">
<!ELEMENT gkReq
(%rasCommon;,pid?,rasAddr?,endptType?,gkId?,endptAlias?,altEndpts?)>
<!ELEMENT gkConfirm (%rasCommon;,pid?,gkId?,rasAddr?,altGk*)>
<!ELEMENT gkRej (%rasCommon;,pid?,gkId?,altGkInfo?)>
<!ELEMENT regReq (%rasCommon;,pid?,callSignalAddr?,rasAddr?,termAlias?,gkId?,
endptVendor?,altEndpts?,endptId?)>
<!ELEMENT regConfirm (%rasCommon;,pid?,callSignalAddr?,termAlias?,gkId?,endptId?)>
<!ELEMENT regRej (%rasCommon;,pid?,gkId?,altGkInfo?)>
<!ELEMENT admissionReq (%rasCommon;,callModel?,endptId?,destInfo?,
destCallSignalAddr?,destExtraCallInfo?,srcInfo?,srcCallSignalAddr?,
callRefVal?,confId?,callId?,srcAlts?,destAlts?,gkId?)>
<!ELEMENT admissionConfirm (%rasCommon;,bandwidth?,callModel?,destCallSignalAddr?,
destInfo?,destExtraCallInfo?,destType?,remoteExtAddr?,altEndpts?, language*)>
<!ELEMENT admissionRej
(%rasCommon;,admissionRejReason?,altGkInfo?,callSignalAddr?)>
<!ELEMENT disengageReq (%rasCommon;,endptId?,confId?,callRefVal?,callId?,gkId?)>
<!ELEMENT disengageConfirm %rasCommon;>
<!ELEMENT locReq (%rasCommon;,endptId?,destInfo?,replyAddr?,srcInfo?,gkId?)>
<!ELEMENT locConfirm (%rasCommon;,callSignalAddr?,rasAddr?,destInfo?,
destExtraCallInfo?,destType?,remoteExtAddr?,altEndpts?)>
<!ELEMENT locRej (%rasCommon;,locRejReason?,altGkInfo?)>
<!ELEMENT infoReq (%rasCommon;,callRefVal?,replyAddr?,callId?)>
<!ELEMENT infoReqResp (%rasCommon;,endptType?,endptId?,rasAddr?,callSignalAddr?,
endptAlias?,perCallInfo?)>
<!ELEMENT pid (#PCDATA)>
<!ATTLIST pid title CDATA #IMPLIED hex CDATA #IMPLIED>
<!ELEMENT rasAddr (transAddr*)>
<!ELEMENT gkId (#PCDATA)>
<!ATTLIST gkId hex CDATA #IMPLIED>
<!ELEMENT endptAlias (aliasAddr*)>
<!ELEMENT altEndpts (endpoint*)>
<!ELEMENT altGk (rasAddr?,gkId?)>
<!ELEMENT altGkInfo (altGk*,altGkIsPermanent?)>
<!ELEMENT termAlias (aliasAddr*)>
<!ELEMENT endptVendor (vendorId)>
<!ELEMENT endptId (#PCDATA)>
<!ATTLIST endptId hex CDATA #IMPLIED>
<!ELEMENT callModel (callModelEntry)>
<!ELEMENT destInfo (aliasAddr*)>
<!ELEMENT destCallSignalAddr (transAddr?)>
<!ELEMENT destExtraCallInfo (aliasAddr*)>
<!ELEMENT srcInfo (aliasAddr*)>
<!ELEMENT srcCallSignalAddr (transAddr?)>
<!ELEMENT srcAlts (endpoint*)>
<!ELEMENT destAlts (endpoint*)>
<!ELEMENT destType (endptType?)>
<!ELEMENT remoteExtAddr (aliasAddr*)>
<!ELEMENT language (#PCDATA)>
```

```
<!ATTLIST language title CDATA #IMPLIED %score;>
<!ELEMENT admissionRejReason (routeCallToSCN)>
<!ELEMENT replyAddr (transAddr?)>
<!ELEMENT locRejReason (routeCallToSCN)>
<!ELEMENT perCallInfo (h225NonStdParam?,callRefVal?,confId?,h225:audio?,video?,
dataSess?,h245TransInfo?,callSignaling?,callModel?,callId?,
substituteConfIds?,h225:pdu?)*>
<!ELEMENT reqSeqNum (#PCDATA)>
<!ELEMENT endpoint
(h225NonStdParam?,aliasAddr*,callSignalAddr?,rasAddr?,endptType?,
clearToken*,remoteExtAddr?,destExtraCallInfo?)>
<!ELEMENT altGkIsPermanent (#PCDATA)>
<!ELEMENT callModelEntry (#PCDATA)>
<!ELEMENT routeCallToSCN (%partyNum;)*>
<!ELEMENT h225:audio (rtpSess*)>
<!ELEMENT video (rtpSess*)>
<!ELEMENT dataSess (transChanInfo*)>
<!ELEMENT h245TransInfo (transChanInfo*)>
<!ELEMENT callSignaling (transChanInfo*)>
<!ELEMENT substituteConfIds (confId*)>
<!ELEMENT h225:pdu (h323UuPdu*,sent?)*>
<!ELEMENT rtpSess (rtpAddr?,rtcpAddr?,cname?,ssrc?,sessId?,associatedSessIds?)>
<!ELEMENT transChanInfo (sendAddr?,rcvAddr?)>
<!ELEMENT h323UuPdu (userToUser?)>
<!ELEMENT sent (#PCDATA)>
<!ELEMENT rtpAddr (transChanInfo*)>
<!ELEMENT rtcpAddr (transChanInfo*)>
<!ELEMENT cname (#PCDATA)>
<!ELEMENT ssrc (#PCDATA)>
<!ELEMENT associatedSessIds (sessId*)>
<!ELEMENT sendAddr (transAddr?)>
<!ELEMENT rcvAddr (transAddr?)>
<!ELEMENT aal1ViaGtwy (gtwyAddr?)>
<!ELEMENT alphanumeric (#PCDATA)>
<!ELEMENT capability (capEntry, (h245NonStdParam | vidCap | audCap | dataAppCap |
h233IvRespTime | confCapEntry | encrAuthAndIntegrity | mediaCap | userInputCap |
genCap)*)>
<!ELEMENT capDesc (capDescNum?, simultCaps*)>
<!ELEMENT capDescNum (#PCDATA)>
<!ELEMENT capDescs (capDesc*)>
<!ELEMENT capEntry (#PCDATA)>
<!ELEMENT capTbl (capTblEntry*)>
<!ELEMENT capTblEntry (capTblEntryNum?, capability?)>
<!ELEMENT capTblEntryNum (#PCDATA)>
<!ELEMENT centralizedData (dataAppCap*)>
<!ELEMENT certificateResp (#PCDATA)>
<!ELEMENT certSelectionCrit ((field?, critVal?)*)>
<!ELEMENT cmdMsg (h245NonStdParam | endSessCmd | confCmd)>
<!ELEMENT confCapEntry (#PCDATA)>
<!ELEMENT confCmd (substituteConfIdCmd)>
<!ELEMENT confReq (confReqEntry, reqTermCertificate?)>
<!ELEMENT confReqEntry (#PCDATA)>
<!ELEMENT confResp (confRespEntry, (termLabel*, termId*, confId?, password?,
certificateResp?, h245:termInfo*))>
<!ELEMENT confRespEntry (#PCDATA)>
<!ELEMENT containedThreads (#PCDATA)>
<!ELEMENT critVal (#PCDATA)>
<!ATTLIST critVal ascii CDATA #IMPLIED>
<!ELEMENT distributedData (dataAppCap*)>
```

```
<!ELEMENT endSessCmd (endSessCmdEntry, (h245NonStdParam | gstnOptsEntry |
isdnOptsEntry)*)>
<!ELEMENT endSessCmdEntry (#PCDATA)>
<!ELEMENT enhanced (maxNestingDepth?, maxElementListSize?, maxSubelementListSize?)>
<!ELEMENT expirationTime (#PCDATA)>
<!ELEMENT field (#PCDATA)>
<!ATTLIST field hex CDATA #IMPLIED>
<!ELEMENT framesBetweenSyncPoints (#PCDATA)>
<!ELEMENT frameSeq (#PCDATA)>
<!ELEMENT frameToThreadMapping (frameToThreadMappingEntry, (threadNum,
frameSeq*)*)>
<!ELEMENT frameToThreadMappingEntry (#PCDATA)>
<!ELEMENT fwdMuxAckParams (h225-0LogChanAckParams)>
<!ELEMENT genMuxCap (genCap?)>
<!ELEMENT gstnOptsEntry (#PCDATA)>
<!ELEMENT gtwyAddr (q2931Addr+)>
<!ELEMENT h222Cap (numOfVcs?, vcCap*)>
<!ELEMENT h223AnxCCap (h223AnxCCapEntry*, maxAl1mPduSize?, maxAl2mSduSize?,
maxAl3mSduSize?)>
<!ELEMENT h223AnxCCapEntry (#PCDATA)>
<!ELEMENT h223Cap (h223CapEntry*, maxAl2SduSize?, maxAl3SduSize?, maxDelayJitter?,
h223MuxTblCap?, mobileOpXmitCap?, h223AnxCCap?)>
<!ELEMENT h223CapEntry (#PCDATA)>
<!ELEMENT h223MuxTblCap (h223MuxTblCapEntry, enhanced?)>
<!ELEMENT h223MuxTblCapEntry (#PCDATA)>
<!ELEMENT h225-0Cap (h225-0CapEntry*, maxAudDelayJitter?, rcvMultipointCap?,
xmitMultipointCap?, rcvAndXmitMultipointCap?, mcCap?, mediaPktzCap?, transCap?,
redunEncodingCap*)>
<!ELEMENT h225-0CapEntry (#PCDATA)>
<!ELEMENT h225-0LogChanAckParams (h225-0LogChanAckParamsEntry*, h245NonStdParam*,
sessId?, mediaChan?, mediaCtrlChan?, dynRtpPayldType?, portNum?)>
<!ELEMENT h225-0LogChanAckParamsEntry (#PCDATA)>
<!ELEMENT h233IvRespTime (#PCDATA)>
<!ELEMENT h245 (reqMsg | respMsg | cmdMsg | indicationMsg)>
<!ATTLIST h245 xmlns:h245 CDATA #FIXED "urn:icwg:/ccdm/signal">
<!ELEMENT indicationMsg (h245NonStdParam | userInput)>
<!ELEMENT isdnOptsEntry (#PCDATA)>
<!ELEMENT logChanNum (#PCDATA)>
<!ELEMENT masterSlaveDetrm (termType)>
<!ELEMENT maxAl1mPduSize (#PCDATA)>
<!ELEMENT maxAl2mSduSize (#PCDATA)>
<!ELEMENT maxAl2SduSize (#PCDATA)>
<!ELEMENT maxAl3mSduSize (#PCDATA)>
<!ELEMENT maxAl3SduSize (#PCDATA)>
<!ELEMENT maxAudDelayJitter (#PCDATA)>
<!ELEMENT maxDelayJitter (#PCDATA)>
<!ELEMENT maxElementListSize (#PCDATA)>
<!ELEMENT maxNestingDepth (#PCDATA)>
<!ELEMENT maxSubelementListSize (#PCDATA)>
<!ELEMENT mcCap (mcCapEntry*)>
<!ELEMENT mcCapEntry (#PCDATA)>
<!ELEMENT mediaCap (#PCDATA)>
<!ELEMENT mediaDistroCap (mediaDistroCapEntry*, centralizedData?,
distributedData?)>
<!ELEMENT mediaDistroCapEntry (#PCDATA)>
<!ELEMENT mediaPktzCap (mediaPktzCapEntry*, rtpPayldType*)>
<!ELEMENT mediaPktzCapEntry (#PCDATA)>
<!ELEMENT mobileOpXmitCap (mobileOpXmitCapEntry*)>
<!ELEMENT mobileOpXmitCapEntry (#PCDATA)>
```

```
<!ELEMENT multipointCap (multipointCapEntry*, mediaDistroCap*)>
<!ELEMENT multipointCapEntry (#PCDATA)>
<!ELEMENT muxCap (genMuxCap | h245NonStdParam | h222Cap | h223Cap | h225-0Cap)>
<!ELEMENT numOfThreads (#PCDATA)>
<!ELEMENT numOfVcs (#PCDATA)>
<!ELEMENT openLogChanAck (fwdLogChanNum?, revLogChanAckParams?, separateStack?,
fwdMuxAckParams?, encrSync?)>
<!ELEMENT openLogChanRej (fwdLogChanNum?)>
<!ELEMENT primaryEncoding (capTblEntryNum?)>
<!ELEMENT protoObjId (#PCDATA)>
<!ATTLIST protoObjId hex CDATA #IMPLIED>
<!ELEMENT rcvAndXmitMultipointCap (multipointCap?)>
<!ELEMENT rcvMultipointCap (multipointCap?)>
<!ELEMENT redunEncodingCap (redunEncodingMethod?, primaryEncoding?,
secondaryEncodingCap*)>
<!ELEMENT redunEncodingMethod (redunEncodingMethodEntry, (h245NonStdParam |
(numOfThreads?, framesBetweenSyncPoints?, frameToThreadMapping?,
containedThreads*))*)>
<!ELEMENT redunEncodingMethodEntry (#PCDATA)>
<!ELEMENT reqMsg (h245NonStdParam | masterSlaveDetrm | termCapSet | openLogChan |
confReq)>
<!ELEMENT reqTermCertificate (termLabel?, certSelectionCrit?, sRandom?)>
<!ELEMENT respMsg (h245NonStdParam | openLogChanAck | openLogChanRej | confResp)>
<!ELEMENT revLogChanAckParams (revLogChanNum?, portNum?, revMuxAckParams?,
replacementFor?)>
<!ELEMENT revLogChanNum (#PCDATA)>
<!ELEMENT revMuxAckParams (h222LogChanParams | h225-0LogChanParams)>
<!ELEMENT h245:rtp (timestamp?, expirationTime?, logChanNum?)>
<!ELEMENT secondaryEncodingCap (capTblEntryNum?)>
<!ELEMENT h245:signal (signalType?, duration?, h245:rtp?)>
<!ELEMENT signalType (#PCDATA)>
<!ELEMENT signalUpdate (duration?, signalUpdateRtp?)>
<!ELEMENT signalUpdateRtp (logChanNum)>
<!ELEMENT simultCaps (capTblEntryNum*)>
<!ELEMENT sRandom (#PCDATA)>
<!ELEMENT substituteConfIdCmd (confId)>
<!ELEMENT termCapSet (seqNum?, protoObjId?, muxCap?, capTbl?, capDescs?)>
<!ELEMENT termId (#PCDATA)>
<!ATTLIST termId ascii CDATA #IMPLIED>
<!ELEMENT h245:termInfo (termLabel?, termId?)>
<!ELEMENT termType (#PCDATA)>
<!ELEMENT threadNum (#PCDATA)>
<!ELEMENT userInput (h245NonStdParam | alphanumeric | userInputSupportIndication |
h245:signal | signalUpdate)>
<!ELEMENT userInputCap (userInputCapEntry, (h245NonStdParam*)?)>
<!ELEMENT userInputCapEntry (#PCDATA)>
<!ELEMENT userInputSupportIndication (userInputSupportIndicationEntry,
h245NonStdParam?)>
<!ELEMENT userInputSupportIndicationEntry (#PCDATA)>
<!ELEMENT vcCap (aal1ViaGtwy?)>
<!ELEMENT xmitMultipointCap (multipointCap?)>
<!ELEMENT h320 (equipMfg?, bas?)>
<!ELEMENT equipMfg (#PCDATA)>
<!ELEMENT bas (#PCDATA)>
<!ELEMENT asc (#PCDATA)>
<!ELEMENT asi (#PCDATA)>
<!ELEMENT handless (version?, hex?, hen?, tcid?, pdi?, mci?, asc?, asi?, msi?,
mbi?)>
<!ELEMENT hen (#PCDATA)>
```

```
<!ELEMENT hex (#PCDATA)>
<!ELEMENT mbi (#PCDATA)>
<!ELEMENT mci (#PCDATA)>
<!ATTLIST mci title (ascii | baudot | ebcdic | ipars) #IMPLIED>
<!ELEMENT msi (#PCDATA)>
<!ELEMENT pdi (#PCDATA)>
<!ELEMENT tcid (#PCDATA)>
<!ELEMENT charSet (#PCDATA)>
<!ELEMENT destAddr (#PCDATA)>
<!ELEMENT handless2 (destAddr?, charSet?)>
<!ELEMENT acceptLanguage (#PCDATA)>
<!ELEMENT connection (#PCDATA)>
<!ELEMENT cookie (#PCDATA)>
<!ELEMENT cpu (#PCDATA)>
<!ELEMENT host (#PCDATA)>
<!ELEMENT http (date?,(request | response))>
<!ATTLIST http xmlns:http CDATA #FIXED "urn:icwg:/ccdm/signal">
<!ELEMENT http:os (#PCDATA)>
<!ELEMENT method (#PCDATA)>
<!ELEMENT request (method?,resource?,version?,acceptLanguage?,(userAgent?,cpu?,
http:os?),connection*,host?,cookie*)>
<!ELEMENT resource (#PCDATA)>
<!ELEMENT response (version?,status?,statusExpl?,server?,connection*,setCookie*)>
<!ELEMENT server (#PCDATA)>
<!ELEMENT setCookie (#PCDATA)>
<!ELEMENT statusExpl (#PCDATA)>
<!ELEMENT userAgent (#PCDATA)>
<!ELEMENT dsap (#PCDATA)>
<!ELEMENT ieee802-2 (dsap?, ssap?, nextProtocol?)>
<!ELEMENT ssap (#PCDATA)>
<!ELEMENT ieee802-3 (dmac?, smac?)>
<!ELEMENT ieee802-11 (frameType?,subframeType?,dmac?,smac?,bssid?,xmitAddr?)>
<!ELEMENT frameType (#PCDATA)>
<!ELEMENT subframeType (#PCDATA)>
<!ELEMENT bssid (#PCDATA)>
<!ELEMENT xmitAddr (#PCDATA)>
<!ELEMENT image (orientation?, skew?, width?, height?, horizontalRes?,
verticalRes?)>
<!ELEMENT skew (#PCDATA)>
<!ELEMENT width (#PCDATA)>
<!ELEMENT height (#PCDATA)>
<!ELEMENT horizontalRes (#PCDATA)>
<!ELEMENT verticalRes (#PCDATA)>
<!ELEMENT bodyLang (#PCDATA)>
<!ELEMENT bodySize (#PCDATA)>
<!ELEMENT flags (#PCDATA)>
<!ELEMENT imap (imap:message?,(imap:capability | (((bodyLang?,bodySize?) |
( mailboxName?,date?)),flags?))?,permFlags?)>
<!ATTLIST imap xmlns:imap CDATA #FIXED "urn:icwg:/ccdm/signal">
<!ELEMENT imap:capability (#PCDATA)>
<!ELEMENT imap:message (#PCDATA)>
<!ELEMENT mailboxName (#PCDATA)>
<!ELEMENT permFlags (#PCDATA)>
<!ELEMENT ipV4 (srcAddr?,destAddr?,tos?,options?,nextProtocol?)>
<!ELEMENT option (#PCDATA)>
<!ATTLIST option title CDATA #IMPLIED>
<!ELEMENT options (option,value)+>
<!ELEMENT srcAddr (#PCDATA)>
<!ELEMENT tos (#PCDATA)>
```

```
<!ELEMENT value (#PCDATA)>
<!ELEMENT class (#PCDATA)>
<!ELEMENT ipV6 (srcAddr?,destAddr?,class?,nextProtocol?)>
<!ELEMENT destHostNum (#PCDATA)>
<!ELEMENT destNetworkNum (#PCDATA)>
<!ELEMENT destSocketNum (#PCDATA)>
<!ELEMENT ipx (srcNetworkNum?, srcHostNum?, srcSocketNum?, destNetworkNum?,
destHostNum?, destSocketNum?, packetType?, transportCtrl?)>
<!ELEMENT packetType (#PCDATA)>
<!ATTLIST packetType title CDATA #IMPLIED>
<!ELEMENT srcHostNum (#PCDATA)>
<!ELEMENT srcNetworkNum (#PCDATA)>
<!ELEMENT srcSocketNum (#PCDATA)>
<!ELEMENT transportCtrl (#PCDATA)>
<!ELEMENT iphone (userAlias?,comment?,destPhoneNum?,email?,firstName?,lastName?,
iphone:phoneNum?,regCode?)>
<!ATTLIST iphone xmlns:iphone CDATA #FIXED "urn:icwg:/ccdm/signal">
<!ELEMENT userAlias (#PCDATA)>
<!ELEMENT comment (#PCDATA)>
<!ELEMENT destPhoneNum (#PCDATA)>
<!ELEMENT email (#PCDATA)>
<!ELEMENT firstName (#PCDATA)>
<!ELEMENT lastName (#PCDATA)>
<!ELEMENT iphone:phoneNum (#PCDATA)>
<!ELEMENT regCode (#PCDATA)>
<!ELEMENT filetype (#PCDATA)>
<!ELEMENT kermit (filetype?)>
<!ELEMENT l2f (multiplexId?,clientId?,protocol?)>
<!ELEMENT multiplexId (#PCDATA)>
<!ELEMENT clientId (#PCDATA)>
<!ELEMENT protocol (#PCDATA)>
<!ELEMENT l2tp (tunnelId?,sessionId?,type?)>
<!ELEMENT tunnelId (#PCDATA)>
<!ELEMENT sessionId (#PCDATA)>
<!ELEMENT type (#PCDATA)>
<!ELEMENT lapf (dlci?)>
<!ELEMENT dlci (#PCDATA)>
<!ELEMENT contentType (#PCDATA)>
<!ELEMENT languagePercentage (#PCDATA)>
<!ELEMENT message (keyword?, (language, languagePercentage?)?, contentType?)>
<!ELEMENT contentDesc (#PCDATA)>
<!ELEMENT contentDisp (#PCDATA)>
<!ELEMENT contentId (#PCDATA)>
<!ELEMENT contentTransferEncoding (#PCDATA)>
<!ELEMENT mime (contentType?, contentTransferEncoding?, contentId?, contentDesc?,
multipartCnt?, contentDisp?, xLine*, xMailer?, xMaillist?)>
<!ELEMENT multipartCnt (#PCDATA)>
<!ELEMENT xLine (#PCDATA)>
<!ELEMENT xMailer (#PCDATA)>
<!ELEMENT xMaillist (#PCDATA)>
<!ELEMENT modulation (symbolLength?, symbolRate?, symbolBias?, shift*, toneCnt?)>
<!ELEMENT shift (#PCDATA)>
<!ATTLIST shift %stdDev;>
<!ELEMENT symbolBias (#PCDATA)>
<!ATTLIST symbolBias unit (bits | seconds) #REQUIRED %stdDev;>
<!ELEMENT symbolLength (#PCDATA)>
<!ATTLIST symbolLength unit (bits | seconds) #REQUIRED %stdDev;>
<!ELEMENT symbolRate (#PCDATA)>
<!ELEMENT toneCnt (#PCDATA)><!ELEMENT netperformer
```

```
                  (outSession?,subChan?,compressed?,(ctrlType?,stationId?)))>
<!ELEMENT compressed (#PCDATA)>
<!ELEMENT stationId (#PCDATA)>
<!ELEMENT nextSignal (signalType?)>
<!ATTLIST signalType score CDATA #IMPLIED %secOptional;>
<!ELEMENT nlpid (nextProtocol?)>
<!ELEMENT dataPktFormat (#PCDATA)>
<!ELEMENT destDna (#PCDATA)>
<!ELEMENT destMid (#PCDATA)>
<!ELEMENT destMpid (#PCDATA)>
<!ELEMENT destRid (#PCDATA)>
<!ELEMENT nortelSubnet (destRid?, destMid?, destMpid?, destDna?, srcRid?, srcMid?,
srcMpid?, srcDna?, dataPktFormat?)>
<!ELEMENT srcDna (#PCDATA)>
<!ELEMENT srcMid (#PCDATA)>
<!ELEMENT srcMpid (#PCDATA)>
<!ELEMENT srcRid (#PCDATA)>
<!ELEMENT novell802-3encap (nextProtocol?)>
<!ELEMENT nsp (destAddr?,srcAddr?)>
<!ELEMENT arq (#PCDATA)>
<!ELEMENT arqState (#PCDATA)>
<!ELEMENT control (#PCDATA)>
<!ELEMENT networkId (#PCDATA)>
<!ATTLIST networkId title CDATA #IMPLIED>
<!ELEMENT odlc (networkId?, outstationNum?, sessionNum?, arq?, arqState?,
timestamp?, control?)>
<!ELEMENT outstationNum (#PCDATA)>
<!ELEMENT sessionNum (#PCDATA)>
<!ELEMENT codePage (#PCDATA)>
<!ELEMENT ole (unkDocSum*, pidGuid?, codePage?)>
<!ELEMENT pidGuid (#PCDATA)>
<!ELEMENT unkDocSum (#PCDATA)>
<!ELEMENT locale (language?, country?)>
<!ELEMENT os (osId?, locale?)>
<!ELEMENT osId (#PCDATA)>
<!ELEMENT pager (capcode+)>
<!ELEMENT capcode (#PCDATA)>
<!ELEMENT encodingAlgorithm (#PCDATA)>
<!ELEMENT encodingRate (#PCDATA)>
<!ELEMENT lcn (#PCDATA)>
<!ELEMENT lnn (#PCDATA)>
<!ELEMENT passrh (routingMode?, lnn?, lcn?, serviceType?, encodingRate?,
encodingAlgorithm?)>
<!ELEMENT routingMode (#PCDATA)>
<!ATTLIST routingMode title (pors | porsInbandCtrl | porsOutbandCtrl | vns |
dpn100) #IMPLIED>
<!ELEMENT serviceType (#PCDATA)>
<!ELEMENT hdrLength (#PCDATA)>
<!ATTLIST hdrLength unit (bits | octets) "octets">
<!ELEMENT payloadLength (#PCDATA)>
<!ATTLIST payloadLength unit (bits | octets) "octets">
<!ELEMENT pdu (pduCnt?,pduLength?,payloadLength?,pduNum?,status?,use?,hdrLength?,
trailerLength?)>
<!ATTLIST pdu completeness (complete | cutIn | cutOut | partial | unknown)
"unknown">
<!ELEMENT pduCnt (#PCDATA)>
<!ELEMENT pduLength (#PCDATA)>
<!ATTLIST pduLength unit (bits | octets) "octets">
<!ELEMENT pduNum (#PCDATA)>
```

```
<!ELEMENT trailerLength (#PCDATA)>
<!ATTLIST trailerLength unit (bits | octets) "octets">
<!ELEMENT person (persId?,gender?,signature?,alias?,surname?,givenName?)>
<!ATTLIST person direction (from | to) #IMPLIED initiation (originator | recipient)
#IMPLIED>
<!ELEMENT gender (#PCDATA)>
<!ATTLIST gender score CDATA #IMPLIED>
<!ELEMENT signature (#PCDATA)>
<!ELEMENT alias (#PCDATA)>
<!ELEMENT surname (#PCDATA)>
<!ELEMENT givenName (#PCDATA)>
<!ELEMENT callingNum (#PCDATA)>
<!ELEMENT calledNum (#PCDATA)>
<!ELEMENT dialedDigits (#PCDATA)>
<!ELEMENT dialingSysType (#PCDATA)>
<!ELEMENT extensionDigits (#PCDATA)>
<!ELEMENT normalizedDigits (#PCDATA)>
<!ELEMENT phone (callingNum?, calledNum?, redirectedNum?, dialedDigits?, phoneNum*,
dialingSysType?)>
<!ELEMENT phoneNum (normalizedDigits?, extensionDigits?, (country | place)?)>
<!ATTLIST phoneNum source (callingNum | calledNum | redirectedNum | dialedDigits)
#IMPLIED>
<!ELEMENT place (#PCDATA)>
<!ELEMENT redirectedNum (#PCDATA)>
<!ELEMENT apop (#PCDATA)>
<!ELEMENT pop3 (serverHost?, (apop | respLine))>
<!ELEMENT respLine (#PCDATA)>
<!ENTITY % ccp "(compressionType?,code?,mppeKeyLength?,mppeMode?,stacLzsHistCnt?,
stacLzsMode?)">
<!ENTITY % lcp "(algorithm?,authProto?)">
<!ELEMENT ppp (multilink?,nextProtocol?,(ppp:message,((msgId?,mppcPduCnt?) |
encrType? | %ccp; | %lcp;))?)>
<!ATTLIST ppp xmlns:ppp CDATA #FIXED "urn:icwg:/ccdm/signal">
<!ELEMENT multilink (#PCDATA)>
<!ATTLIST multilink score CDATA #IMPLIED>
<!ELEMENT ppp:message (#PCDATA)>
<!ELEMENT mppcPduCnt (#PCDATA)>
<!ELEMENT encrType (#PCDATA)>
<!ELEMENT compressionType (#PCDATA)>
<!ELEMENT code (#PCDATA)>
<!ELEMENT mppeKeyLength (#PCDATA)>
<!ELEMENT mppeMode (#PCDATA)>
<!ELEMENT stacLzsHistCnt (#PCDATA)>
<!ELEMENT stacLzsMode (#PCDATA)>
<!ELEMENT authProto (#PCDATA)>
<!ELEMENT prot9f (destAddr?)>
<!ELEMENT prot9f123 (destAddr?)>
<!ELEMENT callsign (#PCDATA)>
<!ATTLIST callsign direction (to | from) #IMPLIED    initiation (originator |
recipient) #IMPLIED>
<!ELEMENT radio (callsign+)>
<!ELEMENT cycleLength (#PCDATA)>
<!ELEMENT hop (#PCDATA)>
<!ELEMENT jump (#PCDATA)>
<!ELEMENT recursion (stageCnt, tapPoints?, cycleLength?, recursionLength?, hop?,
jump?, slide?, use?)>
<!ELEMENT recursionLength (#PCDATA)>
<!ELEMENT slide (#PCDATA)>
<!ELEMENT stageCnt (#PCDATA)>
```

```
<!ELEMENT tapPoints (#PCDATA)>
<!ELEMENT rfc822 (date?, inReplyTo?, mailer?, organization?, returnPath?,
received*, replyTo?, sender?, msgId?, resentFrom?, resentTo?, resentDate?,
resentCc?, resentBcc?, resentReplyTo?, resentSender?, resentMsgId?, encrypted?)>
<!ELEMENT encrypted (#PCDATA)>
<!ELEMENT inReplyTo (#PCDATA)>
<!ELEMENT mailer (#PCDATA)>
<!ELEMENT received (#PCDATA)>
<!ELEMENT replyTo (#PCDATA)>
<!ELEMENT resentBcc (#PCDATA)>
<!ELEMENT resentCc (#PCDATA)>
<!ELEMENT resentDate (#PCDATA)>
<!ELEMENT resentFrom (#PCDATA)>
<!ELEMENT resentMsgId (#PCDATA)>
<!ELEMENT resentReplyTo (#PCDATA)>
<!ELEMENT resentSender (#PCDATA)>
<!ELEMENT resentTo (#PCDATA)>
<!ELEMENT returnPath (#PCDATA)>
<!ELEMENT sender (#PCDATA)>


<!ELEMENT appExists (#PCDATA)>
<!ELEMENT byeReason (#PCDATA)>
<!ELEMENT loc (#PCDATA)>
<!ELEMENT name (#PCDATA)>
<!ELEMENT ntpTimestamp (#PCDATA)>
<!ELEMENT priv (#PCDATA)>
<!ELEMENT rtcp (ntpTimestamp?, rtpTimestamp?, cname?, name?, email?, rtcp:phone?,
loc?, tool?, rtcp:note?, priv?, byeReason?, appExists?, ssrc?)>
<!ATTLIST rtcp xmlns:rtcp CDATA #FIXED "urn:icwg:/ccdm/signal">
<!ELEMENT rtcp:note (#PCDATA)>
<!ELEMENT rtcp:phone (#PCDATA)>
<!ELEMENT rtpTimestamp (#PCDATA)>
<!ELEMENT tool (#PCDATA)><!ELEMENT csrc (#PCDATA)>
<!ELEMENT rtp (payldType?, timestamp?, ssrc?, csrc*)>
<!ELEMENT sampleFormat (#PCDATA)>
<!ELEMENT sampleSize (#PCDATA)>
<!ELEMENT sampling (sampleSize?, sampleFormat?, samplingRate?)>
<!ELEMENT samplingRate (#PCDATA)>
<!ELEMENT accessPtByteId (#PCDATA)>
<!ELEMENT accessPtId (opText | country)>
<!ELEMENT auIndex (#PCDATA)>
<!ELEMENT concatVal (#PCDATA)>
<!ELEMENT freeFormatText (#PCDATA)>
<!ELEMENT klmAddr (#PCDATA)>
<!ELEMENT mappingType (#PCDATA)>
<!ELEMENT opText (#PCDATA)>
<!ELEMENT pathTrace (accessPtId | freeFormatText)>
<!ELEMENT rsohSectionTrace (accessPtId | accessPtByteId | freeFormatText)>
<!ELEMENT sdh (pathTrace?, rsohSectionTrace?, auIndex?, concatVal?, klmAddr?,
mappingType?, tuType?)>
<!ELEMENT tuType (#PCDATA)>
<!ELEMENT linkStationAddr (#PCDATA)>
<!ELEMENT multidrop (#PCDATA)>
<!ELEMENT sdlc (linkStationAddr?, multidrop?)>
<!ELEMENT sdp (origin?,sdp:connect?,media?,attribute?,sessionName?)>
<!ATTLIST sdp xmlns:sdp CDATA #FIXED "urn:icwg:/ccdm/signal">
<!ELEMENT origin (originValue,user?,sessionId?,sessionVer?,addr?)>
<!ELEMENT sdp:connect (#PCDATA)>
<!ELEMENT media (mediaValue,mediaType?,port?,protocol?,format?)>
```

```
<!ELEMENT attribute (#PCDATA)>
<!ELEMENT sessionName (#PCDATA)>
<!ELEMENT originValue (#PCDATA)>
<!ELEMENT user (#PCDATA)>
<!ELEMENT sessionVer (#PCDATA)>
<!ELEMENT addr (#PCDATA)>
<!ELEMENT mediaValue (#PCDATA)>
<!ELEMENT mediaType (#PCDATA)>
<!ELEMENT format (#PCDATA)>
<!ENTITY % messageType "(method | sip:response)">
<!ENTITY % request "(requestUri,requestUriParam?)?">
<!ENTITY % route "(sip:route,recordRoute?)?">
<!ELEMENT sip (%messageType;,%request;,to?,from?,via*,cseq?,callId?,subject?,
%route;,contact?,supported?,server?,organization?,sip:contentLength?,
sip:contentType?,userAgent?)>
<!ATTLIST sip xmlns:sip CDATA #FIXED " urn:icwg:/ccdm/signal">
<!ELEMENT via (#PCDATA)>
<!ELEMENT cseq (#PCDATA)>
<!ELEMENT contact (#PCDATA)>
<!ELEMENT supported (#PCDATA)>
<!ELEMENT sip:contentLength (#PCDATA)>
<!ELEMENT sip:contentType (#PCDATA)>
<!ELEMENT sip:response (#PCDATA)>
<!ELEMENT requestUri (#PCDATA)>
<!ELEMENT requestUriParam (#PCDATA)>
<!ELEMENT sip:route (#PCDATA)>
<!ELEMENT recordRoute (#PCDATA)>
<!ELEMENT expn (#PCDATA)>
<!ELEMENT helo (#PCDATA)>
<!ELEMENT mail (#PCDATA)>
<!ELEMENT rcpt (#PCDATA)>
<!ELEMENT rset EMPTY>
<!ELEMENT smtp ((helo, domain?) | (mail, domain*) | (rcpt, domain*) | expn | vrfy |
rset)>
<!ELEMENT vrfy (#PCDATA)>
<!ELEMENT bind (plu?, slu?, luType?, nqcp?, nqlu?, nqpu?, nqls?, cos?, opMode?,
encryptApp?, procId?)>
<!ELEMENT bindError (#PCDATA)>
<!ATTLIST bindError title CDATA #IMPLIED>
<!ELEMENT bindType (#PCDATA)>
<!ATTLIST bindType title CDATA #IMPLIED>
<!ELEMENT charEncoding (#PCDATA)>
<!ELEMENT cos (#PCDATA)>
<!ELEMENT encryptApp (#PCDATA)>
<!ELEMENT fid (#PCDATA)>
<!ELEMENT luType (#PCDATA)>
<!ELEMENT nqcp (#PCDATA)>
<!ELEMENT nqls (#PCDATA)>
<!ELEMENT nqlu (#PCDATA)>
<!ELEMENT nqpu (#PCDATA)>
<!ELEMENT opMode (#PCDATA)>
<!ELEMENT plu (#PCDATA)>
<!ELEMENT procId (#PCDATA)>
<!ELEMENT slu (#PCDATA)>
<!ELEMENT sna (srcAddr?, destAddr?, fid?, charEncoding?, bindType?, bindError?,
bind?)>
<!ELEMENT oui (#PCDATA)>
<!ELEMENT snap (oui?, pid?)>
<!ELEMENT agent (#PCDATA)>
```

```
<!ELEMENT community (#PCDATA)>
<!ELEMENT enterprise (#PCDATA)>
<!ELEMENT snmp (agent?, manager?, community?, enterprise?)>
<!ELEMENT sourceCode:language (#PCDATA)>
<!ELEMENT sourceCode (sourceCode:language?)>
<!ATTLIST sourceCode xmlns:sourceCode CDATA #FIXED "urn:icwg:/ccdm/signal">
<!ELEMENT dataStreamType (#PCDATA)>
<!ELEMENT destConnectionId (#PCDATA)>
<!ELEMENT negotiatedPktSize (#PCDATA)>
<!ELEMENT spx (srcConnectionId?, destConnectionId?, dataStreamType?,
negotiatedPktSize?)>
<!ELEMENT srcConnectionId (#PCDATA)>
<!ELEMENT aggregateChan (xferModes?, intlNum?, subaddr?, extraDialing?)>
<!ELEMENT alternativeNodeId (h243NodeId)>
<!ELEMENT appData (#PCDATA)>
<!ELEMENT appInfo (appInfoEntry*, sessKey?, appRecList?, rosterInstanceNum?)>
<!ELEMENT appInfoEntry (#PCDATA)>
<!ELEMENT appProtoKey (object | h221NonStdId)>
<!ELEMENT appRec (appRecEntry*, startupChan?, appUserId?, nonCollapsingCap*)>
<!ELEMENT appRecEntry (#PCDATA)>
<!ELEMENT appRecList (appRecRefresh*)>
<!ELEMENT appRecRefresh (nodeId?, entityId?, appRec?)>
<!ELEMENT appUserId (#PCDATA)>
<!ELEMENT callerId (#PCDATA)>
<!ELEMENT conductedPrivileges (#PCDATA)>
<!ELEMENT conductorPrivileges (#PCDATA)>
<!ELEMENT confCreateReq (confCreateReqEntry*, confName?, convenerPass?,
t124:password?, terminationMethod?, conductorPrivileges*, conductedPrivileges*,
nonConductedPrivileges*, confDesc?, callerId?, confPriority?, confMode?)>
<!ELEMENT confCreateReqEntry (#PCDATA)>
<!ELEMENT confDesc (#PCDATA)>
<!ELEMENT confEjectUserIndication (nodeToEject?, confEjectUserIndicationReason?)>
<!ELEMENT confEjectUserIndicationReason (#PCDATA)>
<!ELEMENT confEjectUserReq (nodeToEject?, confEjectUserReqReason?)>
<!ELEMENT confEjectUserReqReason (#PCDATA)>
<!ELEMENT confEjectUserResp (nodeToEject?, confEjectUserRespResult?)>
<!ELEMENT confEjectUserRespResult (#PCDATA)>
<!ELEMENT confJoinReq (confName?, confNameModifier?, tag?, t124:password?,
convenerPass?, callerId?, nodeCat?)>
<!ELEMENT confJoinResp (confJoinRespEntry*, nodeId?, topNodeId?, tag?,
confNameAlias?, terminationMethod?, conductorPrivileges*, conductedPrivileges*,
nonConductedPrivileges*, confDesc?, t124:password?, confJoinRespResult?, nodeCat?,
confMode?)>
<!ELEMENT confJoinRespEntry (#PCDATA)>
<!ELEMENT confJoinRespResult (#PCDATA)>
<!ELEMENT confMode (confModeEntry?, t124:nonStdParam?)>
<!ELEMENT confModeEntry (#PCDATA)>
<!ELEMENT confName (numeric?, t124:text?)>
<!ELEMENT confNameAlias (numeric?, t124:text?)>
<!ELEMENT confNameModifier (#PCDATA)>
<!ELEMENT confPriority (priority?)>
<!ELEMENT convenerPass (numeric?, t124:text?)>
<!ELEMENT entityId (#PCDATA)>
<!ELEMENT extraDialing (#PCDATA)>
<!ELEMENT h221NonStdId (#PCDATA)>
<!ELEMENT h243NodeId (#PCDATA)>
<!ELEMENT nodeCat (nodeCatEntry?, t124:nonStdParam?)>
<!ELEMENT nodeCatEntry (#PCDATA)>
<!ELEMENT nodeId (#PCDATA)>
```

```
<!ELEMENT nodeInfo (nodeInfoEntry?, nodeRecList?, rosterInstanceNum?)>
<!ELEMENT nodeInfoEntry (#PCDATA)>
<!ELEMENT nodeName (#PCDATA)>
<!ELEMENT nodeProperties (nodePropertiesEntry*)>
<!ELEMENT nodePropertiesEntry (#PCDATA)>
<!ELEMENT nodeRec (superiorNode?, nodeType?, nodeProperties?, nodeName?,
participantName*, siteInfo?, t124:netAddr?, alternativeNodeId?, userData?,
nodeCat?)>
<!ELEMENT nodeRecList (nodeRecRefresh*)>
<!ELEMENT nodeRecRefresh (nodeId?, nodeRec?)>
<!ELEMENT nodeToEject (#PCDATA)>
<!ELEMENT nodeType (#PCDATA)>
<!ELEMENT nonCollapsingCap (t124:capId?, appData?)>
<!ELEMENT nonConductedPrivileges (#PCDATA)>
<!ELEMENT numeric (#PCDATA)>
<!ELEMENT object (#PCDATA)>
<!ELEMENT participantName (#PCDATA)>
<!ELEMENT rosterInstanceNum (#PCDATA)>
<!ELEMENT rosterUpdateIndication (nodeInfo?, appInfo*)>
<!ELEMENT sessKey (appProtoKey?, sessId?)>
<!ELEMENT siteInfo (#PCDATA)>
<!ELEMENT standard (#PCDATA)>
<!ELEMENT startupChan (#PCDATA)>
<!ELEMENT superiorNode (#PCDATA)>
<!ELEMENT t124 (confCreateReq | confJoinReq | confJoinResp | confEjectUserReq |
confEjectUserResp | confEjectUserIndication | rosterUpdateIndication)>
<!ATTLIST t124 xmlns:t124 CDATA #FIXED "urn:icwg:/ccdm/signal">
<!ELEMENT t124:capId (standard | t124:key)>
<!ELEMENT t124:key (object | h221NonStdId)>
<!ELEMENT t124:netAddr (aggregateChan?, transConnection?, t124:nonStdParam?)>
<!ELEMENT t124:nonStdParam (t124:key?, data?)>
<!ELEMENT t124:password (numeric?, t124:text?)>
<!ELEMENT t124:text (#PCDATA)>
<!ELEMENT tag (#PCDATA)>
<!ELEMENT terminationMethod (#PCDATA)>
<!ELEMENT topNodeId (#PCDATA)>
<!ELEMENT transConnection (nsapAddr?, transSelector?)>
<!ELEMENT transSelector (#PCDATA)>
<!ELEMENT userData (t124:key?, value?)>
<!ELEMENT xferModes (#PCDATA)>
<!ELEMENT bft (#PCDATA)>
<!ELEMENT cig (#PCDATA)>
<!ELEMENT compression (#PCDATA)>
<!ATTLIST compression %score;>
<!ELEMENT csi (#PCDATA)>
<!ELEMENT dcs (#PCDATA)>
<!ELEMENT dis (#PCDATA)>
<!ELEMENT dtc (#PCDATA)>
<!ELEMENT minScanLineTime (#PCDATA)>
<!ELEMENT modemSpeed (#PCDATA)>
<!ELEMENT modemType (#PCDATA)>
<!ELEMENT nsc (#PCDATA)>
<!ELEMENT nsf (#PCDATA)>
<!ELEMENT recordWidth (#PCDATA)>
<!ELEMENT t30 (dis?, csi?, nsf?, dtc?, cig?, nsc?, dcs?, tsi?, pageCnt?,
horizontalRes?, verticalRes?,compression?, modemType?, modemSpeed?, recordWidth?,
bft?, minScanLineTime?)>
<!ELEMENT tsi (#PCDATA)>
<!ELEMENT destPort (#PCDATA)>
```

```
<!ELEMENT destPortApp (#PCDATA)>
<!ELEMENT srcPort (#PCDATA)>
<!ELEMENT srcPortApp (#PCDATA)>
<!ELEMENT tcp (srcPort?, srcPortApp?, destPort?, destPortApp?, seqNum?, control?,
options?)>
<!ELEMENT chanCnt (#PCDATA)>
<!ATTLIST chanCnt unit (bitlanes | channels | ports | timeslots | tones |
tributaries | streams) #REQUIRED>
<!ELEMENT restrictedFrame (#PCDATA)>
<!ELEMENT tdm (chanCnt?, restrictedFrame?)>
<!ELEMENT charCnt (#PCDATA)>
<!ELEMENT text (charSet?, charCnt?)>
<!ELEMENT tls (sessId?,cipherSuite*)>
<!ELEMENT cipherSuite (#PCDATA)>
<!ELEMENT udp (srcPort?, srcPortApp?, destPort?, destPortApp?)>
<!ELEMENT destSubnetNum (#PCDATA)>
<!ELEMENT srcSubnetNum (#PCDATA)>
<!ELEMENT vip (srcNetworkNum?, srcSubnetNum?, destNetworkNum?, destSubnetNum?,
nextProtocol?)>
<!ELEMENT vipc (srcPort?,srcConnectionId?,destPort?,destConnectionId?)>

<!ELEMENT vspp (srcPort?,srcConnectionId?,destPort?,destConnectionId?)>

<!ELEMENT virtualTerminal (clientHost?, serverHost?)>
<!ELEMENT virus (#PCDATA)>
<!ELEMENT vocoder (frameLength?, frameLengthMod8?, frameState?)>
<!ELEMENT addrFormat (#PCDATA)>
<!ATTLIST addrFormat title CDATA #IMPLIED>
<!ELEMENT callSetup (#PCDATA)>
<!ELEMENT called (#PCDATA)>
<!ATTLIST called direction (to | from) #IMPLIED>
<!ELEMENT calling (#PCDATA)>
<!ATTLIST calling direction (to | from) #IMPLIED>
<!ATTLIST code title CDATA #IMPLIED>
<!ELEMENT facility (code, value)+>
<!ELEMENT lcgn (#PCDATA)>
<!ELEMENT x25 (called?, calling?, callSetup?, addrFormat?, lcn?, lcgn?, facility?)>
<!ELEMENT x263 (nextProtocol?)>
<!ELEMENT utility (code, value)+>
<!ELEMENT x75 (called?, calling?, callSetup?, addrFormat?, lcn?, lcgn?, facility?,
utility?)>
<!ENTITY % application "(appMailSess | appSess | archive | articleHdr | emailAddr |
emailHdr | mime | virtualTerminal)">
<!ENTITY % h225 "(h225CallSignaling | h225Ras)">
<!ENTITY % applicationLayer "(ftpCtrl | %h225; | h245 | h320 | t124 | handless |
handless2 | http | iphone | imap | kermit | ole | pop3 | prot9f | prot9f123 |
rfc822 | sdp | sip | smtp | snmp)">
<!ENTITY % data "(dataLength?,duration?)">
<!ENTITY % dataSec "(dataSecServ,(authentication?,encryption?,accessCtrl?))">
<!ENTITY % datalinkLayer "(atm | ciscoRouter | ethernetV2 | etherType | frf11 |
ieee802-2 | ieee802-3 | ieee802-11 | lapf | netperformer | nlpid | novell802-3encap
| odlc | passrh | ppp | sdlc | snap | x263 )">
<!ENTITY % gap "(gapDuration?,gapCnt?)">
<!ENTITY % networkLayer "(drp | gre | ipV4 | ipV6 | ipx | l2f | l2tp | nortelSubnet
| sna |vip | x25 | x75)">
<!ENTITY % signalExtension "">
<!ENTITY % transportLayer "(nsp | rtcp | rtp | spx | tcp | tls |udp | vipc |
vspp)">
<!ELEMENT characteristic ((timeExtent | dataExtent | regionExtent+)?, region?,
```

```
role?, %data;, %gap;, (nextSignal | analog | binary | digital | vocoder | sampling
| recursion | modulation | sdh | tdm | phone | pager | radio | t30 | framing | pdu
| %datalinkLayer; | %networkLayer; | %transportLayer; | %applicationLayer; |
%application; | virus | %dataSec; | os | sourceCode | file | document | audio |
image | text | message | person | commsAccount %signalExtension;)+)>
<!ATTLIST characteristic %secOptional;    processedBy CDATA #IMPLIED    id CDATA
#REQUIRED>
<!ELEMENT dataLength (#PCDATA)>
<!ATTLIST dataLength unit (octets | bits) #REQUIRED>
<!ELEMENT gapCnt (#PCDATA)>
<!ELEMENT gapDuration (#PCDATA)>
<!ELEMENT region (#PCDATA)>
<!ENTITY % location "(country | place | dfFix+ | geoPosition | geoTrack)">
<!ENTITY % facility "(satellite?,(%location;)?)">
<!ENTITY % legacy-link "(aid | arlis)">
<!ENTITY % legacy-nodeId "(artis?)">
<!ELEMENT commsSys (commsSys:node*, link*)>
<!ELEMENT commsSys:node ((%legacy-nodeId;), nodeName?, network?, connectivity?,
usage?, direction?, transponder?, (%facility;)?)>
<!ELEMENT link %legacy-link;>
<!ELEMENT artis (#PCDATA)>
<!ELEMENT connectivity (#PCDATA)>
<!ELEMENT usage (#PCDATA)>
<!ELEMENT direction (#PCDATA)>
<!ELEMENT transponder (#PCDATA)>
<!ELEMENT satellite (commonName?, comsatMissionNum?)>
<!ELEMENT aid (#PCDATA)>
<!ELEMENT arlis (#PCDATA)>
<!ELEMENT commonName (#PCDATA)>
<!ELEMENT comsatMissionNum (#PCDATA)>
<!ELEMENT dfFix (dfFixId?, geoPosition?, bearing*)>
<!ELEMENT dfFixId (#PCDATA)>
<!ELEMENT bearing (#PCDATA)>
<!ATTLIST bearing processedBy CDATA #REQUIRED   %score;>
<!ELEMENT dataPtr EMPTY>
<!ATTLIST dataPtr xlink:title CDATA #IMPLIED xlink:href CDATA #REQUIRED xlink:type
CDATA #FIXED "simple" format CDATA "application/octet-stream" size CDATA #IMPLIED
sizeUnit (bits | octets) "octets" expiration CDATA #IMPLIED><!ENTITY % references
"(objPtr*,dataPtr?,tapePtr?,processingPtr*)">
<!ENTITY % signalClassification "(signalType, version?)">
<!ELEMENT corrupted (#PCDATA)>
<!ELEMENT cutNum (#PCDATA)>
<!ELEMENT lCtrlNum (#PCDATA)>
<!ELEMENT level (#PCDATA)>
<!ELEMENT objPtr EMPTY>
<!ATTLIST objPtr xlink:href CDATA #REQUIRED xlink:title CDATA #IMPLIED xlink:type
CDATA #FIXED "simple" xlink:role CDATA #IMPLIED format CDATA #REQUIRED size CDATA
#IMPLIED sizeUnit (bits | octets) "octets">
<!ELEMENT recorderNum (#PCDATA)>
<!ELEMENT session (#PCDATA)>
<!ELEMENT sig:encryption (#PCDATA)>
<!ELEMENT signal (%signalClassification;, session?, sig:encryption?, corrupted?,
signalNot*, %time;, use?, level?, profile?, signalPtr*, commsSys?, characteristic*,
note*, %references;)>
<!ATTLIST signal %secOptional; %object; completeness (complete | cutIn | cutOut |
partial | unknown) "unknown" expiration CDATA #IMPLIED release CDATA #FIXED "2.5.1"
xmlns:sig CDATA #FIXED "urn:icwg:/ccdm/signal" xmlns CDATA #FIXED
"urn:icwg:/ccdm/signal" policy (ussid18) #IMPLIED>
<!ELEMENT signalNot (#PCDATA)>
```

```
<!ATTLIST signalNot original CDATA #IMPLIED %score;>
<!ELEMENT signalPtr ((chanExtent | freqExtent | dataExtent | timeExtent |
regionExtent+)?)>
<!ATTLIST signalPtr xlink:href CDATA #IMPLIED xlink:title CDATA #IMPLIED xlink:type
CDATA #FIXED "simple" xlink:role CDATA #REQUIRED degraded (true | false) #IMPLIED
processedBy CDATA #IMPLIED score CDATA #IMPLIED>
<!ELEMENT tapeNum (#PCDATA)>
<!ELEMENT tapePtr (tapeNum?, lCtrlNum?, trackNum?, cutNum?, recorderNum?)>
<!ELEMENT trackNum (#PCDATA)>
<!ELEMENT ccdf (distribution*, (cluster | composite | signal)+, processingEvent*)>
<!ATTLIST ccdf %secOptional; release CDATA #FIXED "2.5.1" test CDATA #IMPLIED
xmlns:xlink CDATA #FIXED "http://www.w3.org/1999/xlink" xmlns CDATA #FIXED
"urn:icwg:/ccdf" xmlns:sec CDATA #FIXED "urn:icwg:/ccdm/security" xmlns:xsi CDATA
#FIXED "http://www.w3.org/2001/XMLSchema-instance">
<!-- S//SI//REL TO FVEY -->
```