Text Compare  
Produced: 11/4/2014 10:15:47 AM  
      
Mode:  Differences, With Context     
Left file: C:\work\inet\devMDL\schema\MDL\_v0\_8\_17.xsd     
Right file: C:\work\inet\devMDL\schema\MDL\_v0\_8\_19.xsd

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1 | <?xml version="1.0" encoding="UTF-8"?> | = | 1 | <?xml version="1.0" encoding="UTF-8"?> |
| 2 | <?xml-stylesheet type="text/xsl" href="xs3p.xsl"?> |  | 2 | <?xml-stylesheet type="text/xsl" href="xs3p.xsl"?> |
| 3 | <xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema" |  | 3 | <xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema" |
| 4 | xmlns="http://inetprogram.org/projects/MDL" |  | 4 | xmlns="http://inetprogram.org/projects/MDL" |
| 5 | xmlns:mdl="http://inetprogram.org/projects/MDL" |  | 5 | xmlns:mdl="http://inetprogram.org/projects/MDL" |
|  |  | <> | 6 | xmlns:tmatsCommon="http://www.wsmr.army.mil/RCCsite/Documents/106-13\_Telemetry%20Standards/TmatsCommon" |
| 6 | xmlns:tmats="https://wsmrc2vger.wsmr.army.mil/rcc/manuals/106-11" |  | 7 | xmlns:tmatsP="http://www.wsmr.army.mil/RCCsite/Documents/106-13\_Telemetry%20Standards/TmatsP" |
|  |  |  | 8 | xmlns:tmatsD="http://www.wsmr.army.mil/RCCsite/Documents/106-13\_Telemetry%20Standards/TmatsD" |
| 7 | targetNamespace="http://inetprogram.org/projects/MDL" | = | 9 | targetNamespace="http://inetprogram.org/projects/MDL" |
| 8 | elementFormDefault="qualified" attributeFormDefault="unqualified"> |  | 10 | elementFormDefault="qualified" attributeFormDefault="unqualified"> |
| 9 |  |  | 11 |  |
|  |  | <> | 12 | <xsd:import namespace="http://www.wsmr.army.mil/RCCsite/Documents/106-13\_Telemetry%20Standards/TmatsCommon" schemaLocation="TmatsCommonTypes.xsd"/> |
| 10 | <xsd:import namespace="https://wsmrc2vger.wsmr.army.mil/rcc/manuals/106-11" |  | 13 | <xsd:import namespace="http://www.wsmr.army.mil/RCCsite/Documents/106-13\_Telemetry%20Standards/TmatsP" schemaLocation="TmatsPGroup.xsd"/> |
| 11 | schemaLocation="Tmats\_01-2011.xsd"/> |  | 14 | <xsd:import namespace="http://www.wsmr.army.mil/RCCsite/Documents/106-13\_Telemetry%20Standards/TmatsD" schemaLocation="TmatsDGroup.xsd"/> |
| 12 |  | = | 15 |  |
| 13 | <xsd:element name="MDLRoot" type="MDLRootType"> |  | 16 | <xsd:element name="MDLRoot" type="MDLRootType"> |
| 14 |  |  | 17 |  |
| 15 | <xsd:key name="MeasurementKey"> |  | 18 | <xsd:key name="MeasurementKey"> |
| 16 | <xsd:selector xpath=".//mdl:Measurements/mdl:Measurement"/> |  | 19 | <xsd:selector xpath=".//mdl:Measurements/mdl:Measurement"/> |
| 17 | <xsd:field xpath="@ID"/> |  | 20 | <xsd:field xpath="@ID"/> |
|  | | | | |
| 169 | </xsd:key> | = | 172 | </xsd:key> |
| 170 | <xsd:keyref name="DataStreamMessageKeyRef" refer="mdl:DataStreamMessageKey"> |  | 173 | <xsd:keyref name="DataStreamMessageKeyRef" refer="mdl:DataStreamMessageKey"> |
| 171 | <xsd:selector xpath=".//mdl:DataStreamMessageRef"/> |  | 174 | <xsd:selector xpath=".//mdl:DataStreamMessageRef"/> |
| 172 | <xsd:field xpath="@IDREF"/> |  | 175 | <xsd:field xpath="@IDREF"/> |
| 173 | </xsd:keyref> |  | 176 | </xsd:keyref> |
| 174 |  |  | 177 |  |
|  |  | -+ | 178 | <xsd:key name="ChildRefKey"> |
|  |  |  | 179 | <xsd:selector xpath=".//mdl:Module | .//mdl:SubModule | .//mdl:DeviceModule | .//mdl:DeviceSubModule "/> |
|  |  |  | 180 | <xsd:field xpath="@ID"/> |
|  |  |  | 181 | </xsd:key> |
|  |  |  | 182 | <xsd:keyref name="ChildRefKeyRef" refer="mdl:ChildRefKey"> |
|  |  |  | 183 | <xsd:selector xpath=".//mdl:ChildRef"/> |
|  |  |  | 184 | <xsd:field xpath="@IDREF"/> |
|  |  |  | 185 | </xsd:keyref> |
|  |  |  | 186 |  |
| 175 | <xsd:key name="DSCPTableEntryKey"> | = | 187 | <xsd:key name="DSCPTableEntryKey"> |
| 176 | <xsd:selector xpath=".//mdl:DSCPTableEntry"/> |  | 188 | <xsd:selector xpath=".//mdl:DSCPTableEntry"/> |
| 177 | <xsd:field xpath="@ID"/> |  | 189 | <xsd:field xpath="@ID"/> |
| 178 | </xsd:key> |  | 190 | </xsd:key> |
| 179 | <xsd:keyref name="DSCPTableEntryKeyRef" refer="mdl:DSCPTableEntryKey"> |  | 191 | <xsd:keyref name="DSCPTableEntryKeyRef" refer="mdl:DSCPTableEntryKey"> |
| 180 | <xsd:selector xpath=".//mdl:DSCPTableEntryRef | .//mdl:VoiceDSCPTableEntryRef | .//mdl:ControlDSCPTableEntryRef | .//mdl:RadioControlLoopDSCPRef | .//mdl:RANCommandControlDSCPRef"/> |  | 192 | <xsd:selector xpath=".//mdl:DSCPTableEntryRef | .//mdl:VoiceDSCPTableEntryRef | .//mdl:ControlDSCPTableEntryRef | .//mdl:RadioControlLoopDSCPRef | .//mdl:RANCommandControlDSCPRef"/> |
|  | | | | |
| 676 | <xsd:element name="TmNSCompleteness" type="xsd:boolean"/> | = | 688 | <xsd:element name="TmNSCompleteness" type="xsd:boolean"/> |
| 677 | <xsd:element name="TmNSCompletenessDescription" type="xsd:string"/> |  | 689 | <xsd:element name="TmNSCompletenessDescription" type="xsd:string"/> |
| 678 | <xsd:element name="NetworkReferences" type="NetworkReferencesType"/> |  | 690 | <xsd:element name="NetworkReferences" type="NetworkReferencesType"/> |
| 679 | <xsd:element name="MissionQoS" type="MissionQoSType" minOccurs="0"/> |  | 691 | <xsd:element name="MissionQoS" type="MissionQoSType" minOccurs="0"/> |
| 680 | <xsd:element name="RadioLinks" type="RadioLinksType" minOccurs="0"/> |  | 692 | <xsd:element name="RadioLinks" type="RadioLinksType" minOccurs="0"/> |
| 681 | <xsd:element name="AssetAssociations" type="AssetAssociationsType" minOccurs="0"/> |  | 693 | <xsd:element name="AssetAssociations" type="AssetAssociationsType" minOccurs="0"/> |
|  |  | -+ | 694 | <xsd:element name="HandoffRules" type="HandoffRulesType" minOccurs="0"/> |
| 682 | </xsd:sequence> | = | 695 | </xsd:sequence> |
| 683 | </xsd:complexType> |  | 696 | </xsd:complexType> |
| 684 |  |  | 697 |  |
|  |  | -+ | 698 | <xsd:complexType name="HandoffRulesType"> |
|  |  |  | 699 | <xsd:annotation> |
|  |  |  | 700 | <xsd:documentation> |
|  |  |  | 701 | The HandoffRules element is a container for an unbounded list |
|  |  |  | 702 | of HandoffRule elements. |
|  |  |  | 703 | </xsd:documentation> |
|  |  |  | 704 | </xsd:annotation> |
|  |  |  | 705 | <xsd:sequence> |
|  |  |  | 706 | <xsd:element name="ReadOnly" type="xsd:boolean" default="false" minOccurs="0"/> |
|  |  |  | 707 | <xsd:element name="Owner" type="xsd:string" minOccurs="0"/> |
|  |  |  | 708 | <xsd:element name="HandoffRule" type="HandoffRuleType" maxOccurs="unbounded"/> |
|  |  |  | 709 | </xsd:sequence> |
|  |  |  | 710 | </xsd:complexType> |
|  |  |  | 711 |  |
|  |  |  | 712 | <xsd:complexType name="HandoffRuleType"> |
|  |  |  | 713 | <xsd:annotation> |
|  |  |  | 714 | <xsd:documentation> |
|  |  |  | 715 | The HandoffRule element contains a string to describe a rule for when to |
|  |  |  | 716 | execute a radio handoff while a radio network is in use.  This element is |
|  |  |  | 717 | a work in progress and may require some refinement. |
|  |  |  | 718 | </xsd:documentation><xsd:documentation> |
|  |  |  | 719 | The Name element provides a short, human-readable means of |
|  |  |  | 720 | distinguishing one rule from another. |
|  |  |  | 721 | </xsd:documentation><xsd:documentation> |
|  |  |  | 722 | The Description element provides a high-level, human-readable |
|  |  |  | 723 | description of the HandoffRule. |
|  |  |  | 724 | </xsd:documentation><xsd:documentation> |
|  |  |  | 725 | </xsd:documentation> |
|  |  |  | 726 | </xsd:annotation> |
|  |  |  | 727 | <xsd:sequence> |
|  |  |  | 728 | <xsd:element name="ReadOnly" type="xsd:boolean" default="false" minOccurs="0"/> |
|  |  |  | 729 | <xsd:element name="Owner" type="xsd:string" minOccurs="0"/> |
|  |  |  | 730 | <xsd:element name="Name" type="xsd:token"/> |
|  |  |  | 731 | <xsd:element name="Description" type="xsd:string"/> |
|  |  |  | 732 | <xsd:element name="Rule" type="xsd:string"/> |
|  |  |  | 733 | </xsd:sequence> |
|  |  |  | 734 | <xsd:attribute name="ID" type="xsd:ID" use="required"/> |
|  |  |  | 735 | </xsd:complexType> |
|  |  |  | 736 |  |
| 685 | <xsd:complexType name="RadioLinksType"> | = | 737 | <xsd:complexType name="RadioLinksType"> |
| 686 | <xsd:annotation> |  | 738 | <xsd:annotation> |
| 687 | <xsd:documentation> |  | 739 | <xsd:documentation> |
| 688 | The RadioLinksType element contains an unbounded list of |  | 740 | The RadioLinksType element contains an unbounded list of |
| 689 | RadioLink elements. |  | 741 | RadioLink elements. |
| 690 | </xsd:documentation> |  | 742 | </xsd:documentation> |
|  | | | | |
| 723 | </xsd:documentation><xsd:documentation> | = | 775 | </xsd:documentation><xsd:documentation> |
| 724 | The Endpoints element provides information about the endpoints |  | 776 | The Endpoints element provides information about the endpoints |
| 725 | associated with this Radio Link |  | 777 | associated with this Radio Link |
| 726 | </xsd:documentation><xsd:documentation> |  | 778 | </xsd:documentation><xsd:documentation> |
| 727 | The TxRxEnable element specifies whether |  | 779 | The TxRxEnable element specifies whether |
| 728 | transmission/reception is enabled on this Radio Link. |  | 780 | transmission/reception is enabled on this Radio Link. |
| 729 | </xsd:documentation><xsd:documentation> | +- |  |  |
| 730 | The LinkControlMode element specifies whether this Radio Link |  |  |  |
| 731 | participates in Link Layer control loop handshaking and procedures. |  |  |  |
| 732 | </xsd:documentation><xsd:documentation> | = | 781 | </xsd:documentation><xsd:documentation> |
| 733 | The AutomaticPowerControlEnable element specifies whether this |  | 782 | The AutomaticPowerControlEnable element specifies whether this |
| 734 | Radio Link participates in Link Layer automatic power control |  | 783 | Radio Link participates in Link Layer automatic power control |
| 735 | handshaking and procedures. |  | 784 | handshaking and procedures. |
| 736 | </xsd:documentation><xsd:documentation> |  | 785 | </xsd:documentation><xsd:documentation> |
| 737 | The MinTxPowerLimitdBm element specifies the lowest |  | 786 | The MinTxPowerLimitdBm element specifies the lowest |
|  | | | | |
| 775 | <xsd:element name="ReadOnly" type="xsd:boolean" default="false" minOccurs="0"/> | = | 824 | <xsd:element name="ReadOnly" type="xsd:boolean" default="false" minOccurs="0"/> |
| 776 | <xsd:element name="Owner" type="xsd:token" minOccurs="0"/> |  | 825 | <xsd:element name="Owner" type="xsd:token" minOccurs="0"/> |
| 777 | <xsd:element name="Name" type="xsd:token"/> |  | 826 | <xsd:element name="Name" type="xsd:token"/> |
| 778 | <xsd:element name="Description" type="xsd:string"/> |  | 827 | <xsd:element name="Description" type="xsd:string"/> |
| 779 | <xsd:element name="Endpoints" type="RadioLinkEndpointsType"/> |  | 828 | <xsd:element name="Endpoints" type="RadioLinkEndpointsType"/> |
| 780 | <xsd:element name="TxRxEnable" type="xsd:boolean"/> |  | 829 | <xsd:element name="TxRxEnable" type="xsd:boolean"/> |
| 781 | <xsd:element name="LinkControlMode" type="xsd:boolean"/> | +- |  |  |
| 782 | <xsd:element name="AutomaticPowerControlEnable" type="xsd:boolean"/> | = | 830 | <xsd:element name="AutomaticPowerControlEnable" type="xsd:boolean"/> |
| 783 | <xsd:element name="MinTxPowerLimitdBm" type="xsd:byte"/> |  | 831 | <xsd:element name="MinTxPowerLimitdBm" type="xsd:byte"/> |
| 784 | <xsd:element name="MaxTxPowerLimitdBm" type="xsd:byte"/> |  | 832 | <xsd:element name="MaxTxPowerLimitdBm" type="xsd:byte"/> |
| 785 | <xsd:element name="RangeCompensationEnable" type="xsd:boolean"/> |  | 833 | <xsd:element name="RangeCompensationEnable" type="xsd:boolean"/> |
| 786 | <xsd:element name="EncryptionEnabled" type="xsd:boolean"/> |  | 834 | <xsd:element name="EncryptionEnabled" type="xsd:boolean"/> |
| 787 | <xsd:element name="EncryptionKeyID" type="xsd:unsignedInt"/> |  | 835 | <xsd:element name="EncryptionKeyID" type="xsd:unsignedInt"/> |
|  | | | | |
| 1945 | </xsd:documentation> | = | 1993 | </xsd:documentation> |
| 1946 | </xsd:annotation> |  | 1994 | </xsd:annotation> |
| 1947 | <xsd:restriction base="xsd:string"> |  | 1995 | <xsd:restriction base="xsd:string"> |
| 1948 | <xsd:enumeration value="Ampere"/> |  | 1996 | <xsd:enumeration value="Ampere"/> |
| 1949 | <xsd:enumeration value="Becquerel"/> |  | 1997 | <xsd:enumeration value="Becquerel"/> |
| 1950 | <xsd:enumeration value="Bit"/> |  | 1998 | <xsd:enumeration value="Bit"/> |
| 1951 | <xsd:enumeration value="Byte"/> | +- |  |  |
| 1952 | <xsd:enumeration value="BitPerSecond"/> | = | 1999 | <xsd:enumeration value="BitPerSecond"/> |
| 1953 | <xsd:enumeration value="BytePerSecond"/> | +- |  |  |
| 1954 | <xsd:enumeration value="Candela"/> | = | 2000 | <xsd:enumeration value="Candela"/> |
| 1955 | <xsd:enumeration value="Celsius"/> |  | 2001 | <xsd:enumeration value="Celsius"/> |
| 1956 | <xsd:enumeration value="Coulomb"/> |  | 2002 | <xsd:enumeration value="Coulomb"/> |
| 1957 | <xsd:enumeration value="CoulombPerCubicMeter"/> |  | 2003 | <xsd:enumeration value="CoulombPerCubicMeter"/> |
| 1958 | <xsd:enumeration value="CoulombPerSquareMeter"/> |  | 2004 | <xsd:enumeration value="CoulombPerSquareMeter"/> |
| 1959 | <xsd:enumeration value="CoulomPerKilogram"/> |  | 2005 | <xsd:enumeration value="CoulomPerKilogram"/> |
|  | | | | |
| 2102 | <xsd:sequence> | = | 2148 | <xsd:sequence> |
| 2103 | <xsd:element name="ReadOnly" type="xsd:boolean" default="false" minOccurs="0"/> |  | 2149 | <xsd:element name="ReadOnly" type="xsd:boolean" default="false" minOccurs="0"/> |
| 2104 | <xsd:element name="Owner" type="xsd:token" minOccurs="0"/> |  | 2150 | <xsd:element name="Owner" type="xsd:token" minOccurs="0"/> |
| 2105 | <xsd:element name="MeasurementDomain" type="MeasurementDomainType" maxOccurs="unbounded"> |  | 2151 | <xsd:element name="MeasurementDomain" type="MeasurementDomainType" maxOccurs="unbounded"> |
| 2106 |  |  | 2152 |  |
| 2107 | <xsd:key name="PCMMeasurementKey"> |  | 2153 | <xsd:key name="PCMMeasurementKey"> |
| 2108 | <xsd:selector xpath=".//tmats:PCMMeasurements/tmats:MeasurementList/tmats:Measurement"/> <!--TBD TMATS changes--> | <> | 2154 | <xsd:selector xpath=".//tmatsP:PCMMeasurements/tmatsD:MeasurementList/tmatsD:Measurement"/> <!--TBD TMATS changes--> |
| 2109 | <xsd:field xpath="@Name"/> | = | 2155 | <xsd:field xpath="@Name"/> |
| 2110 | </xsd:key> |  | 2156 | </xsd:key> |
| 2111 | <xsd:keyref name="PCMMeasurementKeyRef" refer="mdl:PCMMeasurementKey"> |  | 2157 | <xsd:keyref name="PCMMeasurementKeyRef" refer="mdl:PCMMeasurementKey"> |
| 2112 | <xsd:selector xpath=".//mdl:PCMMeasurementRef"/> |  | 2158 | <xsd:selector xpath=".//mdl:PCMMeasurementRef"/> |
| 2113 | <xsd:field xpath="@NameRef"/> |  | 2159 | <xsd:field xpath="@NameRef"/> |
| 2114 | </xsd:keyref> |  | 2160 | </xsd:keyref> |
|  | | | | |
| 2314 | Document. | = | 2360 | Document. |
| 2315 | </xsd:documentation><xsd:documentation> |  | 2361 | </xsd:documentation><xsd:documentation> |
| 2316 | The DeliveryClass element is an enumeration of type |  | 2362 | The DeliveryClass element is an enumeration of type |
| 2317 | mdl:DeliveryClassEnum that can be set to one of the following values: |  | 2363 | mdl:DeliveryClassEnum that can be set to one of the following values: |
| 2318 | "Voice", "FlightSafety", or "BestEffort" |  | 2364 | "Voice", "FlightSafety", or "BestEffort" |
| 2319 | </xsd:documentation><xsd:documentation> |  | 2365 | </xsd:documentation><xsd:documentation> |
|  |  | -+ | 2366 | The MeasurementTimeRef element may be used to identify the Measurement, |
|  |  |  | 2367 | of MeasurementType "Time", which represents the timestamp associated |
|  |  |  | 2368 | with this Measurement. |
|  |  |  | 2369 | </xsd:documentation><xsd:documentation> |
| 2320 | The DataAttributes element describes the analog and digital | = | 2370 | The DataAttributes element describes the analog and digital |
| 2321 | attributes of a measurement on a Test Article. |  | 2371 | attributes of a measurement on a Test Article. |
| 2322 | </xsd:documentation> |  | 2372 | </xsd:documentation> |
| 2323 | </xsd:annotation> |  | 2373 | </xsd:annotation> |
| 2324 | <xsd:sequence> |  | 2374 | <xsd:sequence> |
| 2325 | <xsd:element name="ReadOnly" type="xsd:boolean" default="false" minOccurs="0"/> |  | 2375 | <xsd:element name="ReadOnly" type="xsd:boolean" default="false" minOccurs="0"/> |
| 2326 | <xsd:element name="Owner" type="xsd:token" minOccurs="0"/> |  | 2376 | <xsd:element name="Owner" type="xsd:token" minOccurs="0"/> |
| 2327 | <xsd:element name="Name" type="xsd:token"/> |  | 2377 | <xsd:element name="Name" type="xsd:token"/> |
| 2328 | <xsd:element name="Description" type="xsd:string"/> |  | 2378 | <xsd:element name="Description" type="xsd:string"/> |
| 2329 | <xsd:element name="GenericParameter" type="GenericParameterType" minOccurs="0"/> |  | 2379 | <xsd:element name="GenericParameter" type="GenericParameterType" minOccurs="0"/> |
| 2330 | <xsd:element name="MeasurementID" type="ThirtyTwoBit"/> |  | 2380 | <xsd:element name="MeasurementID" type="ThirtyTwoBit"/> |
| 2331 | <xsd:element name="MeasurementType" type="MeasurementTypeEnum"/> | <> | 2381 | <xsd:element name="MeasurementType" type="MeasurementTypeEnumExtType"/> |
| 2332 | <xsd:element name="MeasurementActive" type="xsd:boolean"/> | = | 2382 | <xsd:element name="MeasurementActive" type="xsd:boolean"/> |
|  |  | -+ | 2383 | <xsd:element name="ProperName" type="ProperNameEnumExtType"/> |
| 2333 | <xsd:element name="MeasurementKnownInvalid" type="xsd:boolean" minOccurs="0" default="false"/> | = | 2384 | <xsd:element name="MeasurementKnownInvalid" type="xsd:boolean" minOccurs="0" default="false"/> |
| 2334 | <xsd:element name="DeliveryClass" type="DeliveryClassEnum"/> |  | 2385 | <xsd:element name="DeliveryClass" type="DeliveryClassEnum"/> |
|  |  | -+ | 2386 | <xsd:element name="MeasurementTimeRef" type="MeasurementTimeRefType" minOccurs="0"/> |
| 2335 | <xsd:element name="DataAttributes" type="DataAttributesType" minOccurs="0"/> | = | 2387 | <xsd:element name="DataAttributes" type="DataAttributesType" minOccurs="0"/> |
| 2336 | </xsd:sequence> |  | 2388 | </xsd:sequence> |
| 2337 | <xsd:attribute name="ID" type="xsd:ID" use="required"/> |  | 2389 | <xsd:attribute name="ID" type="xsd:ID" use="required"/> |
| 2338 | </xsd:complexType> |  | 2390 | </xsd:complexType> |
| 2339 |  |  | 2391 |  |
| 2340 | <xsd:complexType name="MeasurementRefType"> |  | 2392 | <xsd:complexType name="MeasurementRefType"> |
|  | | | | |
| 2344 | type xsd:IDREF, that shall reference the ID attribute of a Measurement | = | 2396 | type xsd:IDREF, that shall reference the ID attribute of a Measurement |
| 2345 | element. |  | 2397 | element. |
| 2346 | </xsd:documentation> |  | 2398 | </xsd:documentation> |
| 2347 | </xsd:annotation> |  | 2399 | </xsd:annotation> |
| 2348 | <xsd:attribute name="IDREF" type="xsd:IDREF" use="required"/> |  | 2400 | <xsd:attribute name="IDREF" type="xsd:IDREF" use="required"/> |
| 2349 | </xsd:complexType> |  | 2401 | </xsd:complexType> |
|  |  | -+ | 2402 |  |
|  |  |  | 2403 | <xsd:complexType name="MeasurementTimeRefType"> |
|  |  |  | 2404 | <xsd:annotation> |
|  |  |  | 2405 | <xsd:documentation> |
|  |  |  | 2406 | The MeasurementTimeRef element contains an IDREF attribute, of |
|  |  |  | 2407 | type xsd:IDREF, that shall reference the ID attribute of a Measurement |
|  |  |  | 2408 | element which has a MeasurementType value of "Time". |
|  |  |  | 2409 | </xsd:documentation> |
|  |  |  | 2410 | </xsd:annotation> |
|  |  |  | 2411 | <xsd:attribute name="IDREF" type="xsd:IDREF" use="required"/> |
|  |  |  | 2412 | </xsd:complexType> |
|  |  |  | 2413 |  |
|  |  |  | 2414 | <xsd:complexType name="ProperNameEnumExtType"> |
|  |  |  | 2415 | <xsd:annotation> |
|  |  |  | 2416 | <xsd:documentation> |
|  |  |  | 2417 | The ProperNameEnumExtType provides an extensible enumeration.  If the |
|  |  |  | 2418 | value of the enumeration is "Extension", the attribute named |
|  |  |  | 2419 | "extension" shall contain the string representing the extended |
|  |  |  | 2420 | enumeration value. |
|  |  |  | 2421 | </xsd:documentation> |
|  |  |  | 2422 | </xsd:annotation> |
|  |  |  | 2423 | <xsd:simpleContent> |
|  |  |  | 2424 | <xsd:extension base="ProperNameEnum"> |
|  |  |  | 2425 | <xsd:attribute name="extension" type="xsd:string"/> |
|  |  |  | 2426 | </xsd:extension> |
|  |  |  | 2427 | </xsd:simpleContent> |
|  |  |  | 2428 | </xsd:complexType> |
|  |  |  | 2429 |  |
|  |  |  | 2430 | <xsd:simpleType name="ProperNameEnum"> |
|  |  |  | 2431 | <xsd:annotation> |
|  |  |  | 2432 | <xsd:documentation> |
|  |  |  | 2433 | The ProperNameEnum is an extensible enumeration of the |
|  |  |  | 2434 | supported "proper names" of measurements.  A proper name |
|  |  |  | 2435 | is a means of identifying that the Measurement represents |
|  |  |  | 2436 | a well-defined field from a standardized data stream. |
|  |  |  | 2437 | If the Measurement does not represent a proper name, the |
|  |  |  | 2438 | value shall be set to None. |
|  |  |  | 2439 | </xsd:documentation> |
|  |  |  | 2440 | </xsd:annotation> |
|  |  |  | 2441 | <xsd:restriction base="xsd:string"> |
|  |  |  | 2442 | <xsd:enumeration value="None"/> |
|  |  |  | 2443 | <xsd:enumeration value="ARINC429Label"/> |
|  |  |  | 2444 | <xsd:enumeration value="ARINC429SDI"/> |
|  |  |  | 2445 | <xsd:enumeration value="ARINC429Parity"/> |
|  |  |  | 2446 | <xsd:enumeration value="ARINC429SSM"/> |
|  |  |  | 2447 | <xsd:enumeration value="ARINC429Data"/> |
|  |  |  | 2448 | <xsd:enumeration value="MILSTD1553CommandWord"/> |
|  |  |  | 2449 | <xsd:enumeration value="MILSTD1553DataWord"/> |
|  |  |  | 2450 | <xsd:enumeration value="MILSTD1553StatusWord"/> |
|  |  |  | 2451 | <xsd:enumeration value="MILSTD1553RTAddress"/> |
|  |  |  | 2452 | <xsd:enumeration value="MILSTD1553SubAddress"/> |
|  |  |  | 2453 | <xsd:enumeration value="MILSTD1553TransmitReceive"/> |
|  |  |  | 2454 | <xsd:enumeration value="MILSTD1553Parity"/> |
|  |  |  | 2455 | <xsd:enumeration value="MILSTD1553WordCount"/> |
|  |  |  | 2456 | <xsd:enumeration value="MILSTD1553ModeCode"/> |
|  |  |  | 2457 | <xsd:enumeration value="MILSTD1553MessageError"/> |
|  |  |  | 2458 | <xsd:enumeration value="MILSTD1553Instrumentation"/> |
|  |  |  | 2459 | <xsd:enumeration value="MILSTD1553ServiceRequest"/> |
|  |  |  | 2460 | <xsd:enumeration value="MILSTD1553BroadcastCommandReceived"/> |
|  |  |  | 2461 | <xsd:enumeration value="MILSTD1553Busy"/> |
|  |  |  | 2462 | <xsd:enumeration value="MILSTD1553SubsystemFlag"/> |
|  |  |  | 2463 | <xsd:enumeration value="MILSTD1553DynamicBusControlAcceptance"/> |
|  |  |  | 2464 | <xsd:enumeration value="MILSTD1553TerminalFlag"/> |
|  |  |  | 2465 | <xsd:enumeration value="MILSTD1553BCtoRT"/> |
|  |  |  | 2466 | <xsd:enumeration value="MILSTD1553RTtoBC"/> |
|  |  |  | 2467 | <xsd:enumeration value="MILSTD1553RTtoRT"/> |
|  |  |  | 2468 | <xsd:enumeration value="MILSTD1553ModeCommand"/> |
|  |  |  | 2469 | <xsd:enumeration value="PCMFrameSync"/> |
|  |  |  | 2470 | <xsd:enumeration value="PCMSubframeID"/> |
|  |  |  | 2471 | <xsd:enumeration value="Extension"/> |
|  |  |  | 2472 | </xsd:restriction> |
|  |  |  | 2473 | </xsd:simpleType> |
| 2350 |  | = | 2474 |  |
| 2351 | <xsd:complexType name="DataAttributesType"> |  | 2475 | <xsd:complexType name="DataAttributesType"> |
| 2352 | <xsd:annotation> |  | 2476 | <xsd:annotation> |
| 2353 | <xsd:documentation> |  | 2477 | <xsd:documentation> |
| 2354 | The DataAttributes element describes the analog and digital |  | 2478 | The DataAttributes element describes the analog and digital |
| 2355 | attributes of a measurement on a Test Article. |  | 2479 | attributes of a measurement on a Test Article. |
|  | | | | |
| 2374 | </xsd:documentation><xsd:documentation> | = | 2498 | </xsd:documentation><xsd:documentation> |
| 2375 | The AnalogAttributes element describes the properties of the |  | 2499 | The AnalogAttributes element describes the properties of the |
| 2376 | measurement when it exists in an analog form. |  | 2500 | measurement when it exists in an analog form. |
| 2377 | </xsd:documentation><xsd:documentation> |  | 2501 | </xsd:documentation><xsd:documentation> |
| 2378 | The DigitalAttributes element describes the properties of data |  | 2502 | The DigitalAttributes element describes the properties of data |
| 2379 | when it exists in a digitally encoded form. |  | 2503 | when it exists in a digitally encoded form. |
|  |  | -+ | 2504 | </xsd:documentation><xsd:documentation> |
|  |  |  | 2505 | The TimeAttributes element describes the properties of a |
|  |  |  | 2506 | timestamp as a measurement. |
| 2380 | </xsd:documentation> | = | 2507 | </xsd:documentation> |
| 2381 | </xsd:annotation> |  | 2508 | </xsd:annotation> |
| 2382 | <xsd:sequence> |  | 2509 | <xsd:sequence> |
| 2383 | <xsd:element name="ReadOnly" type="xsd:boolean" default="false" minOccurs="0"/> |  | 2510 | <xsd:element name="ReadOnly" type="xsd:boolean" default="false" minOccurs="0"/> |
| 2384 | <xsd:element name="Owner" type="xsd:token" minOccurs="0"/> |  | 2511 | <xsd:element name="Owner" type="xsd:token" minOccurs="0"/> |
| 2385 | <xsd:element name="GenericParameter" type="GenericParameterType" minOccurs="0"/> |  | 2512 | <xsd:element name="GenericParameter" type="GenericParameterType" minOccurs="0"/> |
|  | | | | |
| 2390 | </xsd:choice> | = | 2517 | </xsd:choice> |
| 2391 | <xsd:element name="UnitsConversions" type="UnitsConversionsType" minOccurs="0"/> |  | 2518 | <xsd:element name="UnitsConversions" type="UnitsConversionsType" minOccurs="0"/> |
| 2392 | <xsd:element name="Uncertainty" type="UncertaintyType" minOccurs="0" maxOccurs="unbounded"/> |  | 2519 | <xsd:element name="Uncertainty" type="UncertaintyType" minOccurs="0" maxOccurs="unbounded"/> |
| 2393 | <xsd:element name="Calibration" type="CalibrationType" minOccurs="0"/> |  | 2520 | <xsd:element name="Calibration" type="CalibrationType" minOccurs="0"/> |
| 2394 | <xsd:element name="AnalogAttributes" type="AnalogAttributesType" minOccurs="0"/> |  | 2521 | <xsd:element name="AnalogAttributes" type="AnalogAttributesType" minOccurs="0"/> |
| 2395 | <xsd:element name="DigitalAttributes" type="DigitalAttributesType" minOccurs="0"/> |  | 2522 | <xsd:element name="DigitalAttributes" type="DigitalAttributesType" minOccurs="0"/> |
|  |  | -+ | 2523 | <xsd:element name="TimeAttributes" type="TimeAttributesType" minOccurs="0"/> |
| 2396 | </xsd:sequence> | = | 2524 | </xsd:sequence> |
| 2397 | </xsd:complexType> |  | 2525 | </xsd:complexType> |
| 2398 |  |  | 2526 |  |
| 2399 | <xsd:complexType name="PackagesType"> |  | 2527 | <xsd:complexType name="PackagesType"> |
| 2400 | <xsd:annotation> |  | 2528 | <xsd:annotation> |
| 2401 | <xsd:documentation> |  | 2529 | <xsd:documentation> |
|  | | | | |
| 2583 | value string will be indeterminate. | = | 2711 | value string will be indeterminate. |
| 2584 | </xsd:documentation><xsd:documentation> |  | 2712 | </xsd:documentation><xsd:documentation> |
| 2585 | The TimeOrderEnum element describes the temporal ordering of |  | 2713 | The TimeOrderEnum element describes the temporal ordering of |
| 2586 | instances of digital data (e.g., measurement data) within a field |  | 2714 | instances of digital data (e.g., measurement data) within a field |
| 2587 | (defined by a PackageDataFieldRef element or a PackageDataFieldSetRef |  | 2715 | (defined by a PackageDataFieldRef element or a PackageDataFieldSetRef |
| 2588 | element). |  | 2716 | element). |
|  |  | -+ | 2717 | </xsd:documentation><xsd:documentation> |
|  |  |  | 2718 | The TimeOffset and TimeOffsetIncrement elements, of type xsd:unsignedInt, |
|  |  |  | 2719 | are 32-bit values in units of nanoseconds that may be used to describe |
|  |  |  | 2720 | time offsets of one or more samples of a packaged Measurement, where the |
|  |  |  | 2721 | time offsets with respect to the Package header time are known a-priori. |
|  |  |  | 2722 | If the time offsets are not known a priori, the TimeOffset and |
|  |  |  | 2723 | TimeOffsetIncrement are not used. |
|  |  |  | 2724 | </xsd:documentation><xsd:documentation> |
|  |  |  | 2725 | Given a Message header timestamp, Tm, a Package header time delta, Tp, |
|  |  |  | 2726 | an a-priori TimeOffset of To, and an a-priori TimeOffsetIncrement of Ti, |
|  |  |  | 2727 | the time at which the k-th sample of a Measurement from the given |
|  |  |  | 2728 | Package was collected is given by the equation T = Tm + Tp + To + k\*Ti |
| 2589 | </xsd:documentation> | = | 2729 | </xsd:documentation> |
| 2590 | </xsd:annotation> |  | 2730 | </xsd:annotation> |
| 2591 | <xsd:sequence> |  | 2731 | <xsd:sequence> |
| 2592 | <xsd:element name="ReadOnly" type="xsd:boolean" default="false" minOccurs="0"/> |  | 2732 | <xsd:element name="ReadOnly" type="xsd:boolean" default="false" minOccurs="0"/> |
| 2593 | <xsd:element name="Owner" type="xsd:token" minOccurs="0"/> |  | 2733 | <xsd:element name="Owner" type="xsd:token" minOccurs="0"/> |
| 2594 | <xsd:element name="DataWord" type="DataWordType"/> |  | 2734 | <xsd:element name="DataWord" type="DataWordType"/> |
| 2595 | <xsd:choice> |  | 2735 | <xsd:choice> |
| 2596 | <xsd:element name="PackageDataFieldRef" type="PackageDataFieldRefType"/> |  | 2736 | <xsd:element name="PackageDataFieldRef" type="PackageDataFieldRefType"/> |
| 2597 | <xsd:element name="PackageDataFieldSetRef" type="PackageDataFieldSetRefType"/> |  | 2737 | <xsd:element name="PackageDataFieldSetRef" type="PackageDataFieldSetRefType"/> |
| 2598 | </xsd:choice> |  | 2738 | </xsd:choice> |
| 2599 | <xsd:element name="FillValue" type="FlexibleLong" minOccurs="0"/> |  | 2739 | <xsd:element name="FillValue" type="FlexibleLong" minOccurs="0"/> |
| 2600 | <xsd:element name="TimeOrder" type="TimeOrderEnum"/> |  | 2740 | <xsd:element name="TimeOrder" type="TimeOrderEnum"/> |
|  |  | -+ | 2741 | <xsd:element name="TimeOffset" type="xsd:unsignedInt" minOccurs="0"/> |
|  |  |  | 2742 | <xsd:element name="TimeOffsetIncrement" type="xsd:unsignedInt" minOccurs="0"/> |
| 2601 | </xsd:sequence> | = | 2743 | </xsd:sequence> |
| 2602 | </xsd:complexType> |  | 2744 | </xsd:complexType> |
| 2603 |  |  | 2745 |  |
| 2604 | <xsd:complexType name="DataWordType"> |  | 2746 | <xsd:complexType name="DataWordType"> |
| 2605 | <xsd:annotation> |  | 2747 | <xsd:annotation> |
| 2606 | <xsd:documentation> |  | 2748 | <xsd:documentation> |
|  | | | | |
| 2785 | </xsd:documentation> | = | 2927 | </xsd:documentation> |
| 2786 | </xsd:annotation> |  | 2928 | </xsd:annotation> |
| 2787 | <xsd:sequence> |  | 2929 | <xsd:sequence> |
| 2788 | <xsd:element name="ReadOnly" type="xsd:boolean" default="false" minOccurs="0"/> |  | 2930 | <xsd:element name="ReadOnly" type="xsd:boolean" default="false" minOccurs="0"/> |
| 2789 | <xsd:element name="Owner" type="xsd:token" minOccurs="0"/> |  | 2931 | <xsd:element name="Owner" type="xsd:token" minOccurs="0"/> |
| 2790 | <xsd:element name="Endianness" type="EndiannessEnum"/> |  | 2932 | <xsd:element name="Endianness" type="EndiannessEnum"/> |
| 2791 | <xsd:element name="DigitalEncoding" type="DigitalEncodingEnum"/> | <> | 2933 | <xsd:element name="DigitalEncoding" type="DigitalEncodingEnumExtType"/> |
| 2792 | </xsd:sequence> | = | 2934 | </xsd:sequence> |
| 2793 | </xsd:complexType> |  | 2935 | </xsd:complexType> |
| 2794 |  |  | 2936 |  |
| 2795 | <xsd:complexType name="PackageDataFieldType"> |  | 2937 | <xsd:complexType name="PackageDataFieldType"> |
| 2796 | <xsd:annotation> |  | 2938 | <xsd:annotation> |
| 2797 | <xsd:documentation> |  | 2939 | <xsd:documentation> |
|  | | | | |
| 3559 | <xsd:sequence> | = | 3701 | <xsd:sequence> |
| 3560 | <xsd:element name="ReadOnly" type="xsd:boolean" default="false" minOccurs="0"/> |  | 3702 | <xsd:element name="ReadOnly" type="xsd:boolean" default="false" minOccurs="0"/> |
| 3561 | <xsd:element name="Owner" type="xsd:token" minOccurs="0"/> |  | 3703 | <xsd:element name="Owner" type="xsd:token" minOccurs="0"/> |
| 3562 | <xsd:element name="Name" type="xsd:token"/> |  | 3704 | <xsd:element name="Name" type="xsd:token"/> |
| 3563 | <xsd:element name="Description" type="xsd:string"/> |  | 3705 | <xsd:element name="Description" type="xsd:string"/> |
| 3564 | <xsd:element name="GenericParameter" type="GenericParameterType" minOccurs="0"/> |  | 3706 | <xsd:element name="GenericParameter" type="GenericParameterType" minOccurs="0"/> |
| 3565 | <xsd:element name="PCMFormatAttributes" type="tmats:PCMFormatAttributesType" minOccurs="0"/> | <> | 3707 | <xsd:element name="PCMFormatAttributes" type="tmatsP:PCMFormatAttributesType" minOccurs="0"/> |
| 3566 | </xsd:sequence> | = | 3708 | </xsd:sequence> |
| 3567 | <xsd:attribute name="ID" type="xsd:ID" use="required"/> |  | 3709 | <xsd:attribute name="ID" type="xsd:ID" use="required"/> |
| 3568 | </xsd:complexType> |  | 3710 | </xsd:complexType> |
| 3569 |  |  | 3711 |  |
| 3570 | <xsd:complexType name="GenericDataStreamMessagesType"> |  | 3712 | <xsd:complexType name="GenericDataStreamMessagesType"> |
| 3571 | <xsd:annotation> |  | 3713 | <xsd:annotation> |
|  | | | | |
| 3801 | <xsd:sequence> | = | 3943 | <xsd:sequence> |
| 3802 | <xsd:element name="ReadOnly" type="xsd:boolean" default="false" minOccurs="0"/> |  | 3944 | <xsd:element name="ReadOnly" type="xsd:boolean" default="false" minOccurs="0"/> |
| 3803 | <xsd:element name="Owner" type="xsd:token" minOccurs="0"/> |  | 3945 | <xsd:element name="Owner" type="xsd:token" minOccurs="0"/> |
| 3804 | <xsd:element name="Name" type="xsd:token"/> |  | 3946 | <xsd:element name="Name" type="xsd:token"/> |
| 3805 | <xsd:element name="Description" type="xsd:string"/> |  | 3947 | <xsd:element name="Description" type="xsd:string"/> |
| 3806 | <xsd:element name="GenericParameter" type="GenericParameterType" minOccurs="0"/> |  | 3948 | <xsd:element name="GenericParameter" type="GenericParameterType" minOccurs="0"/> |
| 3807 | <xsd:element name="DataOperationType" type="DataOperationTypeEnum"/> | <> | 3949 | <xsd:element name="DataOperationType" type="DataOperationTypeEnumExtType"/> |
| 3808 | <xsd:choice> | = | 3950 | <xsd:choice> |
| 3809 | <xsd:element name="DataOperation" type="SubOperationType" maxOccurs="unbounded"/> |  | 3951 | <xsd:element name="DataOperation" type="SubOperationType" maxOccurs="unbounded"/> |
| 3810 | <xsd:sequence> |  | 3952 | <xsd:sequence> |
| 3811 | <xsd:element name="Method" type="MethodType"/> |  | 3953 | <xsd:element name="Method" type="MethodType"/> |
| 3812 | <xsd:element name="InputUnits" type="UnitsChoiceType" minOccurs="0"/> |  | 3954 | <xsd:element name="InputUnits" type="UnitsChoiceType" minOccurs="0"/> |
| 3813 | <xsd:element name="OutputUnits" type="UnitsChoiceType" minOccurs="0"/> |  | 3955 | <xsd:element name="OutputUnits" type="UnitsChoiceType" minOccurs="0"/> |
| 3814 | </xsd:sequence> |  | 3956 | </xsd:sequence> |
| 3815 | </xsd:choice> |  | 3957 | </xsd:choice> |
| 3816 | </xsd:sequence> |  | 3958 | </xsd:sequence> |
| 3817 | <xsd:attribute name="ID" type="xsd:ID" use="required"/> |  | 3959 | <xsd:attribute name="ID" type="xsd:ID" use="required"/> |
|  |  | <> | 3960 | </xsd:complexType> |
|  |  |  | 3961 |  |
|  |  |  | 3962 | <xsd:complexType name="DataOperationTypeEnumExtType"> |
|  |  |  | 3963 | <xsd:annotation> |
|  |  |  | 3964 | <xsd:documentation> |
|  |  |  | 3965 | The DataOperationTypeEnumExtType provides an extensible enumeration.  If the |
|  |  |  | 3966 | value of the enumeration is "Extension", the attribute named |
|  |  |  | 3967 | "extension" shall contain the string representing the extended |
|  |  |  | 3968 | enumeration value. |
|  |  |  | 3969 | </xsd:documentation> |
|  |  |  | 3970 | </xsd:annotation> |
|  |  |  | 3971 | <xsd:simpleContent> |
|  |  |  | 3972 | <xsd:extension base="DataOperationTypeEnum"> |
|  |  |  | 3973 | <xsd:attribute name="extension" type="xsd:string"/> |
|  |  |  | 3974 | </xsd:extension> |
|  |  |  | 3975 | </xsd:simpleContent> |
| 3818 | </xsd:complexType> |  | 3976 | </xsd:complexType> |
| 3819 |  | = | 3977 |  |
| 3820 | <xsd:simpleType name="DataOperationTypeEnum"> |  | 3978 | <xsd:simpleType name="DataOperationTypeEnum"> |
| 3821 | <xsd:annotation> |  | 3979 | <xsd:annotation> |
| 3822 | <xsd:documentation> |  | 3980 | <xsd:documentation> |
| 3823 | The DataOperationType element is an enumeration of the |  | 3981 | The DataOperationType element is an enumeration of the |
| 3824 | supported kinds of DataOperations. |  | 3982 | supported kinds of DataOperations. |
|  | | | | |
| 3828 | <xsd:enumeration value="EUtoIU"/> | = | 3986 | <xsd:enumeration value="EUtoIU"/> |
| 3829 | <xsd:enumeration value="EUtoCounts"/> |  | 3987 | <xsd:enumeration value="EUtoCounts"/> |
| 3830 | <xsd:enumeration value="IUtoCounts"/> |  | 3988 | <xsd:enumeration value="IUtoCounts"/> |
| 3831 | <xsd:enumeration value="IUtoEU"/> |  | 3989 | <xsd:enumeration value="IUtoEU"/> |
| 3832 | <xsd:enumeration value="CountstoEU"/> |  | 3990 | <xsd:enumeration value="CountstoEU"/> |
| 3833 | <xsd:enumeration value="CountstoIU"/> |  | 3991 | <xsd:enumeration value="CountstoIU"/> |
| 3834 | <xsd:enumeration value="Other"/> | <> | 3992 | <xsd:enumeration value="Extension"/> |
| 3835 | </xsd:restriction> | = | 3993 | </xsd:restriction> |
| 3836 | </xsd:simpleType> |  | 3994 | </xsd:simpleType> |
| 3837 |  |  | 3995 |  |
| 3838 |  |  | 3996 |  |
| 3839 | <xsd:complexType name="DataOperationRefType"> |  | 3997 | <xsd:complexType name="DataOperationRefType"> |
| 3840 | <xsd:annotation> |  | 3998 | <xsd:annotation> |
|  | | | | |
| 4311 | <xsd:element name="ModelVersion" type="xsd:string"/> | = | 4469 | <xsd:element name="ModelVersion" type="xsd:string"/> |
| 4312 | <xsd:element name="SerialIdentifier" type="xsd:string"/> |  | 4470 | <xsd:element name="SerialIdentifier" type="xsd:string"/> |
| 4313 | <xsd:element name="IEEE1588Version" type="IEEE1588VersionEnum"/> |  | 4471 | <xsd:element name="IEEE1588Version" type="IEEE1588VersionEnum"/> |
| 4314 | <xsd:element name="LogicalLocation" type="LogicalLocationType" minOccurs="0"/> |  | 4472 | <xsd:element name="LogicalLocation" type="LogicalLocationType" minOccurs="0"/> |
| 4315 | <xsd:element name="PhysicalLocation" type="PhysicalLocationType" minOccurs="0"/> |  | 4473 | <xsd:element name="PhysicalLocation" type="PhysicalLocationType" minOccurs="0"/> |
| 4316 | <xsd:element name="TmNSManageableApps" type="TmNSManageableAppsType"/> |  | 4474 | <xsd:element name="TmNSManageableApps" type="TmNSManageableAppsType"/> |
| 4317 | <xsd:element name="NetworkInterface" type="NetworkInterfaceType" maxOccurs="unbounded"/> | <> | 4475 | <xsd:element name="InternalStructure" type="InternalStructureType"> <!--TBD key/keyref to require at least one NetworkInterface???--> |
| 4318 | <xsd:element name="Routes" type="RoutesType" minOccurs="0"/> |  |  |  |
| 4319 | <xsd:element name="Connector" type="ConnectorType" minOccurs="0" maxOccurs="unbounded"> |  |  |  |
| 4320 | <xsd:unique name="uniquePinIndexInNetworkNodeConnector"> |  | 4476 | <xsd:unique name="uniquePositionInModule"> |
| 4321 | <xsd:selector xpath="mdl:Pin"/> |  | 4477 | <xsd:selector xpath="mdl:Module"/> |
| 4322 | <xsd:field xpath="@Index"/> |  | 4478 | <xsd:field xpath="mdl:Position"/> |
| 4323 | </xsd:unique> | = | 4479 | </xsd:unique> |
| 4324 | </xsd:element> | <> |  |  |
| 4325 | <xsd:element name="Ports" type="PortsType"> |  |  |  |
| 4326 | <xsd:unique name="uniquePortIndexInNetworkNode"> |  | 4480 | <xsd:unique name="uniqueNameInModule"> |
| 4327 | <xsd:selector xpath="mdl:Port"/> |  | 4481 | <xsd:selector xpath="mdl:Module"/> |
| 4328 | <xsd:field xpath="@Index"/> |  | 4482 | <xsd:field xpath="mdl:Name"/> |
| 4329 | </xsd:unique> | = | 4483 | </xsd:unique> |
| 4330 | </xsd:element> |  | 4484 | </xsd:element> |
| 4331 | </xsd:sequence> |  | 4485 | </xsd:sequence> |
| 4332 | <xsd:attribute name="ID" type="xsd:ID" use="required"/> |  | 4486 | <xsd:attribute name="ID" type="xsd:ID" use="required"/> |
| 4333 | </xsd:complexType> |  | 4487 | </xsd:complexType> |
| 4334 |  |  | 4488 |  |
|  | | | | |
| 4342 | <xsd:attribute name="IDREF" type="xsd:IDREF" use="required"/> | = | 4496 | <xsd:attribute name="IDREF" type="xsd:IDREF" use="required"/> |
| 4343 | </xsd:complexType> |  | 4497 | </xsd:complexType> |
| 4344 |  |  | 4498 |  |
| 4345 | <xsd:complexType name="VendorConfigType"> |  | 4499 | <xsd:complexType name="VendorConfigType"> |
| 4346 | <xsd:annotation> |  | 4500 | <xsd:annotation> |
| 4347 | <xsd:documentation> |  | 4501 | <xsd:documentation> |
| 4348 | The VendorConfig element is a Name/Value pair used to document | <> | 4502 | The VendorConfig element contains a list of one or more name/value pairs |
|  |  |  | 4503 | as a place to decisions leading to the configuration of the NetworkNode. |
|  |  |  | 4504 | </xsd:documentation><xsd:documentation> |
|  |  |  | 4505 | In addition, the VendorConfig contains an xsd:any tag to allow for any |
|  |  |  | 4506 | well-formed XML to be placed in the element, however the intent is for the |
| 4349 | decisions made to arrive at a vendor-specific configuration. |  | 4507 | name/value pairs to be used as the primary mechanism for recording vendor-specific |
|  |  |  | 4508 | settings, that are not otherwise described by the concepts in the MDL schema, |
|  |  |  | 4509 | so that the settings can be easily presented to the user in a standardized way. |
|  |  |  | 4510 | </xsd:documentation> |
|  |  |  | 4511 | </xsd:annotation> |
|  |  |  | 4512 | <xsd:sequence> |
|  |  |  | 4513 | <xsd:element name="ReadOnly" type="xsd:boolean" default="false" minOccurs="0"/> |
|  |  |  | 4514 | <xsd:element name="Owner" type="xsd:token" minOccurs="0"/> |
|  |  |  | 4515 | <xsd:element name="NameValues" type="NameValuesType"/> |
|  |  |  | 4516 | <xsd:any namespace="##any" processContents="lax" minOccurs="0" maxOccurs="unbounded" /> |
|  |  |  | 4517 | </xsd:sequence> |
|  |  |  | 4518 | </xsd:complexType> |
|  |  |  | 4519 |  |
|  |  |  | 4520 | <xsd:complexType name="NameValuesType"> |
|  |  |  | 4521 | <xsd:annotation> |
|  |  |  | 4522 | <xsd:documentation> |
|  |  |  | 4523 | The NameValues element is a container for zero or more |
|  |  |  | 4524 | TmNSManageableApp elements. |
| 4350 | </xsd:documentation> | = | 4525 | </xsd:documentation> |
| 4351 | </xsd:annotation> |  | 4526 | </xsd:annotation> |
| 4352 | <xsd:sequence> |  | 4527 | <xsd:sequence> |
| 4353 | <xsd:element name="ReadOnly" type="xsd:boolean" default="false" minOccurs="0"/> |  | 4528 | <xsd:element name="ReadOnly" type="xsd:boolean" default="false" minOccurs="0"/> |
| 4354 | <xsd:element name="Owner" type="xsd:token" minOccurs="0"/> |  | 4529 | <xsd:element name="Owner" type="xsd:token" minOccurs="0"/> |
| 4355 | <xsd:element name="NameValue" type="NameValueType" maxOccurs="unbounded"/> |  | 4530 | <xsd:element name="NameValue" type="NameValueType" maxOccurs="unbounded"/> |
|  | | | | |
| 4368 | </xsd:annotation> | = | 4543 | </xsd:annotation> |
| 4369 | <xsd:extension base="xsd:string"> |  | 4544 | <xsd:extension base="xsd:string"> |
| 4370 | <xsd:attribute name="Name" type="xsd:token" use="required"/> |  | 4545 | <xsd:attribute name="Name" type="xsd:token" use="required"/> |
| 4371 | <xsd:attribute name="Index" type="xsd:positiveInteger" use="required"/> |  | 4546 | <xsd:attribute name="Index" type="xsd:positiveInteger" use="required"/> |
| 4372 | </xsd:extension> |  | 4547 | </xsd:extension> |
| 4373 | </xsd:simpleContent> |  | 4548 | </xsd:simpleContent> |
|  |  | -+ | 4549 | </xsd:complexType> |
|  |  |  | 4550 |  |
|  |  |  | 4551 | <xsd:complexType name="InternalStructureType"> |
|  |  |  | 4552 | <xsd:annotation> |
|  |  |  | 4553 | <xsd:documentation> |
|  |  |  | 4554 | The InternalStructure element contains a description of the physical |
|  |  |  | 4555 | modules that comprise a NetworkNode. |
|  |  |  | 4556 | </xsd:documentation><xsd:documentation> |
|  |  |  | 4557 | The Module element describes the physical sub-components of a NetwokNode. |
|  |  |  | 4558 | They may be referred to by different names, such as modules, slices, cards, etc. |
|  |  |  | 4559 | </xsd:documentation> |
|  |  |  | 4560 | </xsd:annotation> |
|  |  |  | 4561 | <xsd:sequence> |
|  |  |  | 4562 | <xsd:element name="ReadOnly" type="xsd:boolean" default="false" minOccurs="0"/> |
|  |  |  | 4563 | <xsd:element name="Owner" type="xsd:token" minOccurs="0"/> |
|  |  |  | 4564 | <xsd:element name="Name" type="xsd:token" minOccurs="0"/> |
|  |  |  | 4565 | <xsd:element name="Description" type="xsd:string" minOccurs="0"/> |
|  |  |  | 4566 | <xsd:element name="GenericParameter" type="GenericParameterType" minOccurs="0"maxOccurs="unbounded"/> |
|  |  |  | 4567 | <xsd:element name="Module" type="ModuleType" maxOccurs="unbounded"> |
|  |  |  | 4568 | <xsd:unique name="uniquePositionInSubModule"> |
|  |  |  | 4569 | <xsd:selector xpath="mdl:SubModule"/> |
|  |  |  | 4570 | <xsd:field xpath="mdl:Position"/> |
|  |  |  | 4571 | </xsd:unique> |
|  |  |  | 4572 | <xsd:unique name="uniqueNameInSubModule"> |
|  |  |  | 4573 | <xsd:selector xpath="mdl:SubModule"/> |
|  |  |  | 4574 | <xsd:field xpath="mdl:Name"/> |
|  |  |  | 4575 | </xsd:unique> |
|  |  |  | 4576 | </xsd:element> |
|  |  |  | 4577 | </xsd:sequence> |
|  |  |  | 4578 | </xsd:complexType> |
|  |  |  | 4579 |  |
|  |  |  | 4580 | <xsd:complexType name="DeviceStructureType"> |
|  |  |  | 4581 | <xsd:annotation> |
|  |  |  | 4582 | <xsd:documentation> |
|  |  |  | 4583 | The DeviceStructure element contains a description of the physical |
|  |  |  | 4584 | modules that comprise a Device.  It is analogous to an InternalStructure |
|  |  |  | 4585 | element, however a Device and its modules do not contain network |
|  |  |  | 4586 | interfaces. |
|  |  |  | 4587 | </xsd:documentation><xsd:documentation> |
|  |  |  | 4588 | The DeviceModule element describes the physical sub-components of a Device |
|  |  |  | 4589 | They may be referred to by different names, such as modules, slices, cards, etc. |
|  |  |  | 4590 | </xsd:documentation> |
|  |  |  | 4591 | </xsd:annotation> |
|  |  |  | 4592 | <xsd:sequence> |
|  |  |  | 4593 | <xsd:element name="ReadOnly" type="xsd:boolean" default="false" minOccurs="0"/> |
|  |  |  | 4594 | <xsd:element name="Owner" type="xsd:token" minOccurs="0"/> |
|  |  |  | 4595 | <xsd:element name="Name" type="xsd:token" minOccurs="0"/> |
|  |  |  | 4596 | <xsd:element name="Description" type="xsd:string" minOccurs="0"/> |
|  |  |  | 4597 | <xsd:element name="GenericParameter" type="GenericParameterType" minOccurs="0"maxOccurs="unbounded"/> |
|  |  |  | 4598 | <xsd:element name="DeviceModule" type="DeviceModuleType" maxOccurs="unbounded"> |
|  |  |  | 4599 | <xsd:unique name="uniquePositionInDeviceSubModule"> |
|  |  |  | 4600 | <xsd:selector xpath="mdl:DeviceSubModule"/> |
|  |  |  | 4601 | <xsd:field xpath="mdl:Position"/> |
|  |  |  | 4602 | </xsd:unique> |
|  |  |  | 4603 | <xsd:unique name="uniqueNameInDeviceSubModule"> |
|  |  |  | 4604 | <xsd:selector xpath="mdl:DeviceSubModule"/> |
|  |  |  | 4605 | <xsd:field xpath="mdl:Name"/> |
|  |  |  | 4606 | </xsd:unique> |
|  |  |  | 4607 | </xsd:element> |
|  |  |  | 4608 | </xsd:sequence> |
|  |  |  | 4609 | </xsd:complexType> |
|  |  |  | 4610 |  |
|  |  |  | 4611 | <xsd:complexType name="DeviceModuleType"> |
|  |  |  | 4612 | <xsd:annotation> |
|  |  |  | 4613 | <xsd:documentation> |
|  |  |  | 4614 | The DeviceModule element describes the properties of module, card, |
|  |  |  | 4615 | slot, or slice in a non-network-connected Device. |
|  |  |  | 4616 | </xsd:documentation><xsd:documentation> |
|  |  |  | 4617 | The VendorConfig element is a Name/Value pair used to document |
|  |  |  | 4618 | decisions made to arrive at a vendor-specific configuration. |
|  |  |  | 4619 | </xsd:documentation><xsd:documentation> |
|  |  |  | 4620 | The Manufacturer element, of type xsd:string, contains the |
|  |  |  | 4621 | name of the manufacturer of the Device.  The Model element, of |
|  |  |  | 4622 | type xsd:string, contains the model number of the module.  The |
|  |  |  | 4623 | SerialIdentifier element, of type xsd:string, contains the model |
|  |  |  | 4624 | number of the module. |
|  |  |  | 4625 | </xsd:documentation><xsd:documentation> |
|  |  |  | 4626 | The InventoryID element, of type xsd:token, describes the |
|  |  |  | 4627 | inventory identifier of the device.  The value of the InventoryID must |
|  |  |  | 4628 | be unique among all Device InventoryIDs within the MDLRoot element. |
|  |  |  | 4629 | </xsd:documentation><xsd:documentation> |
|  |  |  | 4630 | The Position element, of type xsd:nonNegativeInteger describes |
|  |  |  | 4631 | the slot number or the position of the module in a stack of modules. |
|  |  |  | 4632 | </xsd:documentation><xsd:documentation> |
|  |  |  | 4633 | The PositionsOccupied element describes the size of the Module in terms |
|  |  |  | 4634 | of the number of positions or slots occupied by the module. |
|  |  |  | 4635 | </xsd:documentation><xsd:documentation> |
|  |  |  | 4636 | The DataOperationRef element refers to the ID of the |
|  |  |  | 4637 | DataOperation element that describes the operation performed by the |
|  |  |  | 4638 | DeviceModule on Measurements. |
|  |  |  | 4639 | </xsd:documentation><xsd:documentation> |
|  |  |  | 4640 | The Sensitivity element, is a complex element of type |
|  |  |  | 4641 | mdl:ConditionParameters that describes the datasheet sensitivity (with |
|  |  |  | 4642 | units) of the module or sensor. |
|  |  |  | 4643 | </xsd:documentation><xsd:documentation> |
|  |  |  | 4644 | The Excitation element, is a complex element of type |
|  |  |  | 4645 | mdl:ConditionParameters that describes the excitation voltages to apply |
|  |  |  | 4646 | to the device or sensor such that the CalibrationPairs are valid. |
|  |  |  | 4647 | </xsd:documentation><xsd:documentation> |
|  |  |  | 4648 | The Calibration element in a DeviceModule is a container for |
|  |  |  | 4649 | individual input and output pairs used during the calibration of the |
|  |  |  | 4650 | Device as well as the date of the last calibration. |
|  |  |  | 4651 | </xsd:documentation><xsd:documentation> |
|  |  |  | 4652 | The Children element describes generic parent-child or master-slave relationships |
|  |  |  | 4653 | among the modules of a NetworkNode, between a NetworkNode and remote |
|  |  |  | 4654 | non-networked Device, or between non-networked Device elements. |
|  |  |  | 4655 | The relationship is intended to describe those where the parent is |
|  |  |  | 4656 | responsible for configuration or control of the child. |
|  |  |  | 4657 | </xsd:documentation><xsd:documentation> |
|  |  |  | 4658 | The Connector element is a complex element that describes a |
|  |  |  | 4659 | physical connector on the module. |
|  |  |  | 4660 | </xsd:documentation><xsd:documentation> |
|  |  |  | 4661 | The Ports element is a complex element that describes the |
|  |  |  | 4662 | points of logical connections to the the module. |
|  |  |  | 4663 | </xsd:documentation> |
|  |  |  | 4664 | </xsd:annotation> |
|  |  |  | 4665 | <xsd:sequence> |
|  |  |  | 4666 | <xsd:element name="ReadOnly" type="xsd:boolean" default="false" minOccurs="0"/> |
|  |  |  | 4667 | <xsd:element name="Owner" type="xsd:token" minOccurs="0"/> |
|  |  |  | 4668 | <xsd:element name="Name" type="xsd:token"/> |
|  |  |  | 4669 | <xsd:element name="Description" type="xsd:string"/> |
|  |  |  | 4670 | <xsd:element name="GenericParameter" type="GenericParameterType" minOccurs="0"/> |
|  |  |  | 4671 | <xsd:element name="VendorConfig" type="VendorConfigType" minOccurs="0"/> |
|  |  |  | 4672 | <xsd:element name="Manufacturer" type="xsd:string"/> |
|  |  |  | 4673 | <xsd:element name="Model" type="xsd:string"/> |
|  |  |  | 4674 | <xsd:element name="SerialIdentifier" type="xsd:string"/> |
|  |  |  | 4675 | <xsd:element name="InventoryID" type="xsd:token"/> |
|  |  |  | 4676 | <xsd:element name="Position" type="xsd:nonNegativeInteger"/> |
|  |  |  | 4677 | <xsd:element name="PositionsOccupied" type="xsd:nonNegativeInteger"/> |
|  |  |  | 4678 | <xsd:element name="DataOperationRef" type="DataOperationRefType" minOccurs="0"/> |
|  |  |  | 4679 | <xsd:element name="Sensitivity" type="ConditionParametersType" minOccurs="0"/> |
|  |  |  | 4680 | <xsd:element name="Excitation" type="ConditionParametersType" minOccurs="0"/> |
|  |  |  | 4681 | <xsd:element name="Calibration" type="CalibrationType" minOccurs="0"/> |
|  |  |  | 4682 | <xsd:element name="Children" type="ChildrenType" minOccurs="0"/> |
|  |  |  | 4683 | <xsd:element name="Connector" type="ConnectorType" minOccurs="0" maxOccurs="unbounded"> |
|  |  |  | 4684 | <xsd:unique name="uniquePinIndexInDeviceModuleConnector"> |
|  |  |  | 4685 | <xsd:selector xpath="mdl:Pin"/> |
|  |  |  | 4686 | <xsd:field xpath="@Index"/> |
|  |  |  | 4687 | </xsd:unique> |
|  |  |  | 4688 | </xsd:element> |
|  |  |  | 4689 | <xsd:element name="Ports" type="PortsType"> |
|  |  |  | 4690 | <xsd:unique name="uniquePortIndexInDeviceModule"> |
|  |  |  | 4691 | <xsd:selector xpath="mdl:Port"/> |
|  |  |  | 4692 | <xsd:field xpath="@Index"/> |
|  |  |  | 4693 | </xsd:unique> |
|  |  |  | 4694 | </xsd:element> |
|  |  |  | 4695 | <xsd:element name="DeviceSubModule" type="DeviceSubModuleType" minOccurs="0"maxOccurs="unbounded"/> |
|  |  |  | 4696 | </xsd:sequence> |
|  |  |  | 4697 | <xsd:attribute name="ID" type="xsd:ID" use="required"/> |
|  |  |  | 4698 | </xsd:complexType> |
|  |  |  | 4699 |  |
|  |  |  | 4700 | <xsd:complexType name="DeviceSubModuleType"> |
|  |  |  | 4701 | <xsd:annotation> |
|  |  |  | 4702 | <xsd:documentation> |
|  |  |  | 4703 | The DeviceSubModule element describes the properties of sub-module |
|  |  |  | 4704 | or card in a DAU or other module.  A DeviceSubModule is a physical |
|  |  |  | 4705 | sub-component attached to the DeviceModule, such as a daughter-card. |
|  |  |  | 4706 | </xsd:documentation><xsd:documentation> |
|  |  |  | 4707 | The VendorConfig element is a Name/Value pair used to document |
|  |  |  | 4708 | decisions made to arrive at a vendor-specific configuration. |
|  |  |  | 4709 | </xsd:documentation><xsd:documentation> |
|  |  |  | 4710 | The Manufacturer element, of type xsd:string, contains the |
|  |  |  | 4711 | name of the manufacturer of the Device.  The Model element, of |
|  |  |  | 4712 | type xsd:string, contains the model number of the module.  The |
|  |  |  | 4713 | SerialIdentifier element, of type xsd:string, contains the model |
|  |  |  | 4714 | number of the module. |
|  |  |  | 4715 | </xsd:documentation><xsd:documentation> |
|  |  |  | 4716 | The InventoryID element, of type xsd:token, describes the |
|  |  |  | 4717 | inventory identifier of the device.  The value of the InventoryID must |
|  |  |  | 4718 | be unique among all Device InventoryIDs within the MDLRoot element. |
|  |  |  | 4719 | </xsd:documentation><xsd:documentation> |
|  |  |  | 4720 | The Position element, of type xsd:nonNegativeInteger describes |
|  |  |  | 4721 | the slot number or the position of the sub-module within the module |
|  |  |  | 4722 | </xsd:documentation><xsd:documentation> |
|  |  |  | 4723 | The PositionsOccupied element describes the size of the sub-module in terms |
|  |  |  | 4724 | of the number of positions or slots occupied by the sub-module. |
|  |  |  | 4725 | </xsd:documentation><xsd:documentation> |
|  |  |  | 4726 | The Children element describes generic parent-child or master-slave relationships |
|  |  |  | 4727 | among the modules of a NetworkNode, between a NetworkNode and remote |
|  |  |  | 4728 | non-networked Device, or between non-networked Device elements. |
|  |  |  | 4729 | The relationship is intended to describe those where the parent is |
|  |  |  | 4730 | responsible for configuration or control of the child. |
|  |  |  | 4731 | </xsd:documentation><xsd:documentation> |
|  |  |  | 4732 | The Connector element is a complex element that describes a |
|  |  |  | 4733 | physical connector on the module. |
|  |  |  | 4734 | </xsd:documentation><xsd:documentation> |
|  |  |  | 4735 | The Ports element is a complex element that describes the |
|  |  |  | 4736 | points of logical connections to the the module. |
|  |  |  | 4737 | </xsd:documentation> |
|  |  |  | 4738 | </xsd:annotation> |
|  |  |  | 4739 | <xsd:sequence> |
|  |  |  | 4740 | <xsd:element name="ReadOnly" type="xsd:boolean" default="false" minOccurs="0"/> |
|  |  |  | 4741 | <xsd:element name="Owner" type="xsd:token" minOccurs="0"/> |
|  |  |  | 4742 | <xsd:element name="Name" type="xsd:token"/> |
|  |  |  | 4743 | <xsd:element name="Description" type="xsd:string"/> |
|  |  |  | 4744 | <xsd:element name="GenericParameter" type="GenericParameterType" minOccurs="0"/> |
|  |  |  | 4745 | <xsd:element name="VendorConfig" type="VendorConfigType" minOccurs="0"/> |
|  |  |  | 4746 | <xsd:element name="Manufacturer" type="xsd:string"/> |
|  |  |  | 4747 | <xsd:element name="Model" type="xsd:string"/> |
|  |  |  | 4748 | <xsd:element name="SerialIdentifier" type="xsd:string"/> |
|  |  |  | 4749 | <xsd:element name="InventoryID" type="xsd:token"/> |
|  |  |  | 4750 | <xsd:element name="Position" type="xsd:nonNegativeInteger"/> |
|  |  |  | 4751 | <xsd:element name="PositionsOccupied" type="xsd:nonNegativeInteger"/> |
|  |  |  | 4752 | <xsd:element name="Children" type="ChildrenType" minOccurs="0"/> |
|  |  |  | 4753 | <xsd:element name="Connector" type="ConnectorType" minOccurs="0" maxOccurs="unbounded"> |
|  |  |  | 4754 | <xsd:unique name="uniquePinIndexInDeviceSubModuleConnector"> |
|  |  |  | 4755 | <xsd:selector xpath="mdl:Pin"/> |
|  |  |  | 4756 | <xsd:field xpath="@Index"/> |
|  |  |  | 4757 | </xsd:unique> |
|  |  |  | 4758 | </xsd:element> |
|  |  |  | 4759 | <xsd:element name="Ports" type="PortsType"> |
|  |  |  | 4760 | <xsd:unique name="uniquePortIndexInDeviceSubModule"> |
|  |  |  | 4761 | <xsd:selector xpath="mdl:Port"/> |
|  |  |  | 4762 | <xsd:field xpath="@Index"/> |
|  |  |  | 4763 | </xsd:unique> |
|  |  |  | 4764 | </xsd:element> |
|  |  |  | 4765 | </xsd:sequence> |
|  |  |  | 4766 | <xsd:attribute name="ID" type="xsd:ID" use="required"/> |
| 4374 | </xsd:complexType> | = | 4767 | </xsd:complexType> |
| 4375 |  |  | 4768 |  |
| 4376 | <xsd:complexType name="LogicalLocationType"> |  | 4769 | <xsd:complexType name="LogicalLocationType"> |
| 4377 | <xsd:annotation> |  | 4770 | <xsd:annotation> |
| 4378 | <xsd:documentation> |  | 4771 | <xsd:documentation> |
| 4379 | The LogicalLocation element is used in various elements to |  | 4772 | The LogicalLocation element is used in various elements to |
|  | | | | |
| 4526 | <xsd:element name="LaunchCommand" type="xsd:string"/> | = | 4919 | <xsd:element name="LaunchCommand" type="xsd:string"/> |
| 4527 | <xsd:element name="DataBufferLength" type="FloatValueUnitsType" minOccurs="0"/> |  | 4920 | <xsd:element name="DataBufferLength" type="FloatValueUnitsType" minOccurs="0"/> |
| 4528 | <!-- TBD HttpPort ? --> |  | 4921 | <!-- TBD HttpPort ? --> |
| 4529 | <xsd:element name="TmNSNull" type="TmNSNullType" minOccurs="0"/> |  | 4922 | <xsd:element name="TmNSNull" type="TmNSNullType" minOccurs="0"/> |
| 4530 | <xsd:element name="TmNSNetworkFabricDevice" type="TmNSNetworkFabricDeviceType" minOccurs="0"/> |  | 4923 | <xsd:element name="TmNSNetworkFabricDevice" type="TmNSNetworkFabricDeviceType" minOccurs="0"/> |
| 4531 | <xsd:element name="TmNSACU" type="TmNSACUType" minOccurs="0"/> |  | 4924 | <xsd:element name="TmNSACU" type="TmNSACUType" minOccurs="0"/> |
| 4532 | <xsd:element name="TmNSDAU" type="TmNSDAUType" minOccurs="0"> | <> | 4925 | <xsd:element name="TmNSDAU" type="TmNSDAUType" minOccurs="0"/> |
| 4533 | <xsd:unique name="uniquePositionInModule"> |  |  |  |
| 4534 | <xsd:selector xpath="mdl:Module"/> |  |  |  |
| 4535 | <xsd:field xpath="mdl:Position"/> |  |  |  |
| 4536 | </xsd:unique> |  |  |  |
| 4537 | <xsd:unique name="uniqueNameInModule"> |  |  |  |
| 4538 | <xsd:selector xpath="mdl:Module"/> |  |  |  |
| 4539 | <xsd:field xpath="mdl:Name"/> |  |  |  |
| 4540 | </xsd:unique> |  |  |  |
| 4541 | </xsd:element> |  |  |  |
| 4542 | <xsd:element name="TmNSRecorder" type="TmNSRecorderType" minOccurs="0"/> | = | 4926 | <xsd:element name="TmNSRecorder" type="TmNSRecorderType" minOccurs="0"/> |
| 4543 | <xsd:element name="TmNSMasterClock" type="TmNSMasterClockType" minOccurs="0"/> |  | 4927 | <xsd:element name="TmNSMasterClock" type="TmNSMasterClockType" minOccurs="0"/> |
| 4544 | <xsd:element name="TmNSEncryptor" type="TmNSEncryptorType" minOccurs="0"/> |  | 4928 | <xsd:element name="TmNSEncryptor" type="TmNSEncryptorType" minOccurs="0"/> |
| 4545 | <xsd:element name="TmNSMFD" type="TmNSMFDType" minOccurs="0"/> |  | 4929 | <xsd:element name="TmNSMFD" type="TmNSMFDType" minOccurs="0"/> |
| 4546 | <xsd:element name="TmNSSSTTx" type="TmNSSSTTxType" minOccurs="0"/> |  | 4930 | <xsd:element name="TmNSSSTTx" type="TmNSSSTTxType" minOccurs="0"/> |
| 4547 | <xsd:element name="TmNSSSTRx" type="TmNSSSTRxType" minOccurs="0"/> |  | 4931 | <xsd:element name="TmNSSSTRx" type="TmNSSSTRxType" minOccurs="0"/> |
|  | | | | |
| 4784 | </xsd:documentation> | = | 5168 | </xsd:documentation> |
| 4785 | </xsd:annotation> |  | 5169 | </xsd:annotation> |
| 4786 | <xsd:sequence> |  | 5170 | <xsd:sequence> |
| 4787 | <xsd:element name="ReadOnly" type="xsd:boolean" default="false" minOccurs="0"/> |  | 5171 | <xsd:element name="ReadOnly" type="xsd:boolean" default="false" minOccurs="0"/> |
| 4788 | <xsd:element name="Owner" type="xsd:token" minOccurs="0"/> |  | 5172 | <xsd:element name="Owner" type="xsd:token" minOccurs="0"/> |
| 4789 | <xsd:element name="Calibration" type="CalibrationType" minOccurs="0"/> |  | 5173 | <xsd:element name="Calibration" type="CalibrationType" minOccurs="0"/> |
| 4790 | <xsd:element name="Module" type="ModuleType" maxOccurs="unbounded"> | +- |  |  |
| 4791 | <xsd:unique name="uniquePositionInSubModule"> |  |  |  |
| 4792 | <xsd:selector xpath="mdl:SubModule"/> |  |  |  |
| 4793 | <xsd:field xpath="mdl:Position"/> |  |  |  |
| 4794 | </xsd:unique> |  |  |  |
| 4795 | <xsd:unique name="uniqueNameInSubModule"> |  |  |  |
| 4796 | <xsd:selector xpath="mdl:SubModule"/> |  |  |  |
| 4797 | <xsd:field xpath="mdl:Name"/> |  |  |  |
| 4798 | </xsd:unique> |  |  |  |
| 4799 | </xsd:element> |  |  |  |
| 4800 | </xsd:sequence> | = | 5174 | </xsd:sequence> |
| 4801 | </xsd:complexType> |  | 5175 | </xsd:complexType> |
| 4802 |  |  | 5176 |  |
| 4803 | <xsd:complexType name="ModuleType"> |  | 5177 | <xsd:complexType name="ModuleType"> |
| 4804 | <xsd:annotation> |  | 5178 | <xsd:annotation> |
| 4805 | <xsd:documentation> |  | 5179 | <xsd:documentation> |
| 4806 | The Module element describes the properties of module or card | <> | 5180 | The Module element describes the properties of module, card, |
| 4807 | in a DAU. |  | 5181 | slot, or slice in a NetworkNode.  DAUs are generally described |
|  |  |  | 5182 | as a NetworkNode composed of many modules. |
| 4808 | </xsd:documentation><xsd:documentation> | = | 5183 | </xsd:documentation><xsd:documentation> |
| 4809 | The VendorConfig element is a Name/Value pair used to document |  | 5184 | The VendorConfig element is a Name/Value pair used to document |
| 4810 | decisions made to arrive at a vendor-specific configuration. |  | 5185 | decisions made to arrive at a vendor-specific configuration. |
| 4811 | </xsd:documentation><xsd:documentation> |  | 5186 | </xsd:documentation><xsd:documentation> |
| 4812 | The Manufacturer element, of type xsd:string, contains the |  | 5187 | The Manufacturer element, of type xsd:string, contains the |
| 4813 | name of the manufacturer of the Device.  The ModelNumber element, of | <> | 5188 | name of the manufacturer of the Device.  The Model element, of |
| 4814 | type xsd:string, contains the model number of the module.  The | = | 5189 | type xsd:string, contains the model number of the module.  The |
| 4815 | SerialNumber element, of type xsd:string, contains the model number of | <> | 5190 | SerialIdentifier element, of type xsd:string, contains the model |
| 4816 | the module. |  | 5191 | number of the module. |
| 4817 | </xsd:documentation><xsd:documentation> | = | 5192 | </xsd:documentation><xsd:documentation> |
| 4818 | The InventoryID element, of type xsd:token, describes the |  | 5193 | The InventoryID element, of type xsd:token, describes the |
| 4819 | inventory identifier of the device.  The value of the InventoryID must |  | 5194 | inventory identifier of the device.  The value of the InventoryID must |
| 4820 | be unique among all Device InventoryIDs within the MDLRoot element. |  | 5195 | be unique among all Device InventoryIDs within the MDLRoot element. |
| 4821 | </xsd:documentation><xsd:documentation> |  | 5196 | </xsd:documentation><xsd:documentation> |
| 4822 | The Position element, of type xsd:nonNegativeInteger describes |  | 5197 | The Position element, of type xsd:nonNegativeInteger describes |
| 4823 | the slot number or the position of the module in a stack of modules | <> | 5198 | the slot number or the position of the module in a stack of modules. |
|  |  |  | 5199 | </xsd:documentation><xsd:documentation> |
|  |  |  | 5200 | The PositionsOccupied element describes the size of the Module in terms |
|  |  |  | 5201 | of the number of positions or slots occupied by the module. |
|  |  |  | 5202 | </xsd:documentation><xsd:documentation> |
|  |  |  | 5203 | The RunningApps element contains a list of ManageableAppRef elements |
|  |  |  | 5204 | That refer to the TmNSManageableApps that are "running" on the Module. |
|  |  |  | 5205 | The RunningApps element is only used if the Module element is contained |
|  |  |  | 5206 | within a NetworkNode.  The RunningApps element is not intended to be used |
|  |  |  | 5207 | when the Module is contained within a Device element. |
|  |  |  | 5208 | </xsd:documentation><xsd:documentation> |
|  |  |  | 5209 | The Routes element is a container for one or more Route elements that together |
|  |  |  | 5210 | may be used to describe the routing table of a network-enabled Module. |
|  |  |  | 5211 | </xsd:documentation><xsd:documentation> |
|  |  |  | 5212 | The Children element describes generic parent-child or master-slave relationships |
|  |  |  | 5213 | among the modules of a NetworkNode, between a NetworkNode and remote |
|  |  |  | 5214 | non-networked Device, or between non-networked Device elements. |
|  |  |  | 5215 | The relationship is intended to describe those where the parent is |
|  |  |  | 5216 | responsible for configuration or control of the child. |
| 4824 | </xsd:documentation><xsd:documentation> | = | 5217 | </xsd:documentation><xsd:documentation> |
| 4825 | The Connector element is a complex element that describes a |  | 5218 | The Connector element is a complex element that describes a |
| 4826 | physical connector on the module. |  | 5219 | physical connector on the module. |
| 4827 | </xsd:documentation><xsd:documentation> |  | 5220 | </xsd:documentation><xsd:documentation> |
| 4828 | The Ports element is a complex element that describes the |  | 5221 | The Ports element is a complex element that describes the |
| 4829 | points of logical connections to the the module. |  | 5222 | points of logical connections to the the module. |
|  | | | | |
| 4839 | <xsd:unique name="uniqueNameValueIndex3"> | = | 5232 | <xsd:unique name="uniqueNameValueIndex3"> |
| 4840 | <xsd:selector xpath="mdl:NameValue"/> |  | 5233 | <xsd:selector xpath="mdl:NameValue"/> |
| 4841 | <xsd:field xpath="@Index"/> |  | 5234 | <xsd:field xpath="@Index"/> |
| 4842 | </xsd:unique> |  | 5235 | </xsd:unique> |
| 4843 | </xsd:element> |  | 5236 | </xsd:element> |
| 4844 | <xsd:element name="Manufacturer" type="xsd:string"/> |  | 5237 | <xsd:element name="Manufacturer" type="xsd:string"/> |
| 4845 | <xsd:element name="ModelNumber" type="xsd:string"/> | <> | 5238 | <xsd:element name="Model" type="xsd:string"/> |
| 4846 | <xsd:element name="SerialNumber" type="xsd:string"/> |  | 5239 | <xsd:element name="SerialIdentifier" type="xsd:string"/> |
| 4847 | <xsd:element name="InventoryID" type="xsd:token"/> | = | 5240 | <xsd:element name="InventoryID" type="xsd:token"/> |
| 4848 | <xsd:element name="Position" type="xsd:nonNegativeInteger"/> |  | 5241 | <xsd:element name="Position" type="xsd:nonNegativeInteger"/> |
|  |  | -+ | 5242 | <xsd:element name="PositionsOccupied" type="xsd:nonNegativeInteger"/> |
|  |  |  | 5243 | <xsd:element name="RunningApps" type="ManageableAppRefsType" minOccurs="0"/> |
|  |  |  | 5244 | <xsd:element name="NetworkInterface" type="NetworkInterfaceType" minOccurs="0"maxOccurs="unbounded"/> |
|  |  |  | 5245 | <xsd:element name="Routes" type="RoutesType" minOccurs="0"/> |
|  |  |  | 5246 | <xsd:element name="Children" type="ChildrenType" minOccurs="0"/> |
| 4849 | <xsd:element name="Connector" type="ConnectorType" minOccurs="0" maxOccurs="unbounded"> | = | 5247 | <xsd:element name="Connector" type="ConnectorType" minOccurs="0" maxOccurs="unbounded"> |
| 4850 | <xsd:unique name="uniquePinIndexInModuleConnector"> |  | 5248 | <xsd:unique name="uniquePinIndexInModuleConnector"> |
| 4851 | <xsd:selector xpath="mdl:Pin"/> |  | 5249 | <xsd:selector xpath="mdl:Pin"/> |
| 4852 | <xsd:field xpath="@Index"/> |  | 5250 | <xsd:field xpath="@Index"/> |
| 4853 | </xsd:unique> |  | 5251 | </xsd:unique> |
| 4854 | </xsd:element> |  | 5252 | </xsd:element> |
|  | | | | |
| 4857 | <xsd:selector xpath="mdl:Port"/> | = | 5255 | <xsd:selector xpath="mdl:Port"/> |
| 4858 | <xsd:field xpath="@Index"/> |  | 5256 | <xsd:field xpath="@Index"/> |
| 4859 | </xsd:unique> |  | 5257 | </xsd:unique> |
| 4860 | </xsd:element> |  | 5258 | </xsd:element> |
| 4861 | <xsd:element name="SubModule" type="SubModuleType" minOccurs="0" maxOccurs="unbounded"/> |  | 5259 | <xsd:element name="SubModule" type="SubModuleType" minOccurs="0" maxOccurs="unbounded"/> |
| 4862 | </xsd:sequence> |  | 5260 | </xsd:sequence> |
|  |  | -+ | 5261 | <xsd:attribute name="ID" type="xsd:ID" use="required"/> |
| 4863 | </xsd:complexType> | = | 5262 | </xsd:complexType> |
| 4864 |  |  | 5263 |  |
| 4865 | <xsd:complexType name="SubModuleType"> |  | 5264 | <xsd:complexType name="SubModuleType"> |
| 4866 | <xsd:annotation> |  | 5265 | <xsd:annotation> |
| 4867 | <xsd:documentation> |  | 5266 | <xsd:documentation> |
| 4868 | The SubModule element describes the properties of sub-module |  | 5267 | The SubModule element describes the properties of sub-module |
| 4869 | or card in a DAU. | <> | 5268 | or card in a DAU or other module.  A SubModule is a physical |
|  |  |  | 5269 | sub-component attached to the module, such as a daughter-card. |
| 4870 | </xsd:documentation><xsd:documentation> | = | 5270 | </xsd:documentation><xsd:documentation> |
| 4871 | The VendorConfig element is a Name/Value pair used to document |  | 5271 | The VendorConfig element is a Name/Value pair used to document |
| 4872 | decisions made to arrive at a vendor-specific configuration. |  | 5272 | decisions made to arrive at a vendor-specific configuration. |
| 4873 | </xsd:documentation><xsd:documentation> |  | 5273 | </xsd:documentation><xsd:documentation> |
| 4874 | The Manufacturer element, of type xsd:string, contains the |  | 5274 | The Manufacturer element, of type xsd:string, contains the |
| 4875 | name of the manufacturer of the Device.  The ModelNumber element, of | <> | 5275 | name of the manufacturer of the Device.  The Model element, of |
| 4876 | type xsd:string, contains the model number of the module.  The | = | 5276 | type xsd:string, contains the model number of the module.  The |
| 4877 | SerialNumber element, of type xsd:string, contains the model number of | <> | 5277 | SerialIdentifier element, of type xsd:string, contains the model |
| 4878 | the module. |  | 5278 | number of the module. |
| 4879 | </xsd:documentation><xsd:documentation> | = | 5279 | </xsd:documentation><xsd:documentation> |
| 4880 | The InventoryID element, of type xsd:token, describes the |  | 5280 | The InventoryID element, of type xsd:token, describes the |
| 4881 | inventory identifier of the device.  The value of the InventoryID must |  | 5281 | inventory identifier of the device.  The value of the InventoryID must |
| 4882 | be unique among all Device InventoryIDs within the MDLRoot element. |  | 5282 | be unique among all Device InventoryIDs within the MDLRoot element. |
| 4883 | </xsd:documentation><xsd:documentation> |  | 5283 | </xsd:documentation><xsd:documentation> |
| 4884 | The Position element, of type xsd:nonNegativeInteger describes |  | 5284 | The Position element, of type xsd:nonNegativeInteger describes |
| 4885 | the slot number or the position of the module a stack of modules |  | 5285 | the slot number or the position of the module a stack of modules |
|  |  | -+ | 5286 | </xsd:documentation><xsd:documentation> |
|  |  |  | 5287 | The Children element describes generic parent-child or master-slave relationships |
|  |  |  | 5288 | among the modules of a NetworkNode, between a NetworkNode and remote |
|  |  |  | 5289 | non-networked Device, or between non-networked Device elements. |
|  |  |  | 5290 | The relationship is intended to describe those where the parent is |
|  |  |  | 5291 | responsible for configuration or control of the child. |
| 4886 | </xsd:documentation><xsd:documentation> | = | 5292 | </xsd:documentation><xsd:documentation> |
| 4887 | The Connector element is a complex element that describes a |  | 5293 | The Connector element is a complex element that describes a |
| 4888 | physical connector on the module. |  | 5294 | physical connector on the module. |
| 4889 | </xsd:documentation><xsd:documentation> |  | 5295 | </xsd:documentation><xsd:documentation> |
| 4890 | The Ports element is a complex element that describes the |  | 5296 | The Ports element is a complex element that describes the |
| 4891 | points of logical connections to the the module. |  | 5297 | points of logical connections to the the module. |
|  | | | | |
| 4901 | <xsd:unique name="uniqueNameValueIndex4"> | = | 5307 | <xsd:unique name="uniqueNameValueIndex4"> |
| 4902 | <xsd:selector xpath="mdl:NameValue"/> |  | 5308 | <xsd:selector xpath="mdl:NameValue"/> |
| 4903 | <xsd:field xpath="@Index"/> |  | 5309 | <xsd:field xpath="@Index"/> |
| 4904 | </xsd:unique> |  | 5310 | </xsd:unique> |
| 4905 | </xsd:element> |  | 5311 | </xsd:element> |
| 4906 | <xsd:element name="Manufacturer" type="xsd:string"/> |  | 5312 | <xsd:element name="Manufacturer" type="xsd:string"/> |
| 4907 | <xsd:element name="ModelNumber" type="xsd:string"/> | <> | 5313 | <xsd:element name="Model" type="xsd:string"/> |
| 4908 | <xsd:element name="SerialNumber" type="xsd:string"/> |  | 5314 | <xsd:element name="SerialIdentifier" type="xsd:string"/> |
| 4909 | <xsd:element name="InventoryID" type="xsd:token"/> | = | 5315 | <xsd:element name="InventoryID" type="xsd:token"/> |
| 4910 | <xsd:element name="Position" type="xsd:nonNegativeInteger"/> |  | 5316 | <xsd:element name="Position" type="xsd:nonNegativeInteger"/> |
|  |  | -+ | 5317 | <xsd:element name="Children" type="ChildrenType" minOccurs="0"/> |
| 4911 | <xsd:element name="Connector" type="ConnectorType" minOccurs="0" maxOccurs="unbounded"> | = | 5318 | <xsd:element name="Connector" type="ConnectorType" minOccurs="0" maxOccurs="unbounded"> |
| 4912 | <xsd:unique name="uniquePinIndexInSubModuleConnector"> |  | 5319 | <xsd:unique name="uniquePinIndexInSubModuleConnector"> |
| 4913 | <xsd:selector xpath="mdl:Pin"/> |  | 5320 | <xsd:selector xpath="mdl:Pin"/> |
| 4914 | <xsd:field xpath="@Index"/> |  | 5321 | <xsd:field xpath="@Index"/> |
| 4915 | </xsd:unique> |  | 5322 | </xsd:unique> |
| 4916 | </xsd:element> |  | 5323 | </xsd:element> |
|  | | | | |
| 4918 | <xsd:unique name="uniquePortIndexInSubModule"> | = | 5325 | <xsd:unique name="uniquePortIndexInSubModule"> |
| 4919 | <xsd:selector xpath="mdl:Port"/> |  | 5326 | <xsd:selector xpath="mdl:Port"/> |
| 4920 | <xsd:field xpath="@Index"/> |  | 5327 | <xsd:field xpath="@Index"/> |
| 4921 | </xsd:unique> |  | 5328 | </xsd:unique> |
| 4922 | </xsd:element> |  | 5329 | </xsd:element> |
| 4923 | </xsd:sequence> |  | 5330 | </xsd:sequence> |
|  |  | -+ | 5331 | <xsd:attribute name="ID" type="xsd:ID" use="required"/> |
|  |  |  | 5332 | </xsd:complexType> |
|  |  |  | 5333 |  |
|  |  |  | 5334 | <xsd:complexType name="ChildrenType"> |
|  |  |  | 5335 | <xsd:annotation> |
|  |  |  | 5336 | <xsd:documentation> |
|  |  |  | 5337 | The Children element describes generic parent-child or master-slave relationships |
|  |  |  | 5338 | among the modules of a NetworkNode or between a NetworkNode and remote |
|  |  |  | 5339 | non-networked Device elements that require configuration or control by the |
|  |  |  | 5340 | NetworkNode. |
|  |  |  | 5341 | The Children element contains a list of one or more Child elements. |
|  |  |  | 5342 | </xsd:documentation> |
|  |  |  | 5343 | </xsd:annotation> |
|  |  |  | 5344 | <xsd:sequence> |
|  |  |  | 5345 | <xsd:element name="ReadOnly" type="xsd:boolean" default="false" minOccurs="0"/> |
|  |  |  | 5346 | <xsd:element name="Owner" type="xsd:token" minOccurs="0"/> |
|  |  |  | 5347 | <xsd:element name="Child" type="ChildType" maxOccurs="unbounded"/> |
|  |  |  | 5348 | </xsd:sequence> |
|  |  |  | 5349 | </xsd:complexType> |
|  |  |  | 5350 |  |
|  |  |  | 5351 | <xsd:complexType name="ChildType"> |
|  |  |  | 5352 | <xsd:annotation> |
|  |  |  | 5353 | <xsd:documentation> |
|  |  |  | 5354 | The Child element describes a single parent-child or master-slave relationship. |
|  |  |  | 5355 | The parent or master is the element containing the Children element. |
|  |  |  | 5356 | </xsd:documentation> |
|  |  |  | 5357 | </xsd:annotation> |
|  |  |  | 5358 | <xsd:sequence> |
|  |  |  | 5359 | <xsd:element name="Name" type="xsd:token"/> |
|  |  |  | 5360 | <xsd:element name="Description" type="xsd:string"/> |
|  |  |  | 5361 | <xsd:element name="GenericParameter" type="GenericParameterType" minOccurs="0"/> |
|  |  |  | 5362 | <xsd:element name="ChildRef" type="ChildRefType" maxOccurs="unbounded"/> |
|  |  |  | 5363 | </xsd:sequence> |
|  |  |  | 5364 | </xsd:complexType> |
|  |  |  | 5365 |  |
|  |  |  | 5366 | <xsd:complexType name="ChildRefType"> |
|  |  |  | 5367 | <xsd:annotation> |
|  |  |  | 5368 | <xsd:documentation> |
|  |  |  | 5369 | The value of the IDREF of a ChildRef shall refer to the |
|  |  |  | 5370 | ID attribute of a Module, SubModule, DeviceModule, |
|  |  |  | 5371 | or DeviceSubModule element. |
|  |  |  | 5372 | </xsd:documentation> |
|  |  |  | 5373 | </xsd:annotation> |
|  |  |  | 5374 | <xsd:attribute name="IDREF" type="xsd:IDREF" use="required"/> |
| 4924 | </xsd:complexType> | = | 5375 | </xsd:complexType> |
| 4925 |  |  | 5376 |  |
| 4926 | <xsd:complexType name="TmNSRecorderType"> |  | 5377 | <xsd:complexType name="TmNSRecorderType"> |
| 4927 | <xsd:annotation> |  | 5378 | <xsd:annotation> |
| 4928 | <xsd:documentation> |  | 5379 | <xsd:documentation> |
| 4929 | The presence of a TmNSRecorder element indicates that the |  | 5380 | The presence of a TmNSRecorder element indicates that the |
|  | | | | |
| 6315 | <xsd:unique name="uniqueNameValueIndex6"> | = | 6766 | <xsd:unique name="uniqueNameValueIndex6"> |
| 6316 | <xsd:selector xpath="mdl:NameValue"/> |  | 6767 | <xsd:selector xpath="mdl:NameValue"/> |
| 6317 | <xsd:field xpath="@Index"/> |  | 6768 | <xsd:field xpath="@Index"/> |
| 6318 | </xsd:unique> |  | 6769 | </xsd:unique> |
| 6319 | </xsd:element> |  | 6770 | </xsd:element> |
| 6320 | <xsd:element name="PortDirection" type="PortDirectionEnum"/> |  | 6771 | <xsd:element name="PortDirection" type="PortDirectionEnum"/> |
|  |  | -+ | 6772 | <xsd:element name="PortType" type="PortTypeEnumExtType" minOccurs="0"/> |
|  |  |  | 6773 | <xsd:element name="AnalogAttributes" type="AnalogAttributesType" minOccurs="0"/> |
|  |  |  | 6774 | <xsd:element name="Excitation" type="ConditionParametersType" minOccurs="0"/> |
| 6321 | <xsd:element name="PinRef" type="PinRefType" minOccurs="0" maxOccurs="unbounded"/> | = | 6775 | <xsd:element name="PinRef" type="PinRefType" minOccurs="0" maxOccurs="unbounded"/> |
| 6322 | <xsd:element name="PhysicalNetworkPortRef" type="PhysicalNetworkPortRefType" minOccurs="0"/> |  | 6776 | <xsd:element name="PhysicalNetworkPortRef" type="PhysicalNetworkPortRefType" minOccurs="0"/> |
| 6323 | </xsd:sequence> |  | 6777 | </xsd:sequence> |
| 6324 | <xsd:attribute name="ID" type="xsd:ID" use="required"/> |  | 6778 | <xsd:attribute name="ID" type="xsd:ID" use="required"/> |
| 6325 | <xsd:attribute name="Index" type="xsd:positiveInteger" use="required"/> |  | 6779 | <xsd:attribute name="Index" type="xsd:positiveInteger" use="required"/> |
|  |  | -+ | 6780 | <xsd:attribute name="Enabled" type="xsd:boolean" default="true"/> |
| 6326 | </xsd:complexType> | = | 6781 | </xsd:complexType> |
| 6327 |  |  | 6782 |  |
| 6328 | <xsd:complexType name="PortRefType"> |  | 6783 | <xsd:complexType name="PortRefType"> |
| 6329 | <xsd:annotation> |  | 6784 | <xsd:annotation> |
| 6330 | <xsd:documentation> |  | 6785 | <xsd:documentation> |
| 6331 | The PortRef element contains an IDREF attribute that shall |  | 6786 | The PortRef element contains an IDREF attribute that shall |
|  | | | | |
| 6334 | contained sub-Network.  PortRef elements with the N2NPortMapping | = | 6789 | contained sub-Network.  PortRef elements with the N2NPortMapping |
| 6335 | element may refer to Ports in other Networks. |  | 6790 | element may refer to Ports in other Networks. |
| 6336 | </xsd:documentation> |  | 6791 | </xsd:documentation> |
| 6337 | </xsd:annotation> |  | 6792 | </xsd:annotation> |
| 6338 | <xsd:attribute name="IDREF" type="xsd:IDREF" use="required"/> |  | 6793 | <xsd:attribute name="IDREF" type="xsd:IDREF" use="required"/> |
| 6339 | </xsd:complexType> |  | 6794 | </xsd:complexType> |
|  |  | -+ | 6795 |  |
|  |  |  | 6796 | <xsd:complexType name="PortTypeEnumExtType"> |
|  |  |  | 6797 | <xsd:annotation> |
|  |  |  | 6798 | <xsd:documentation> |
|  |  |  | 6799 | The PortTypeEnumExtType provides an extensible enumeration.  If the |
|  |  |  | 6800 | value of the enumeration is "Extension", the attribute named |
|  |  |  | 6801 | "extension" shall contain the string representing the extended |
|  |  |  | 6802 | enumeration value. |
|  |  |  | 6803 | </xsd:documentation> |
|  |  |  | 6804 | </xsd:annotation> |
|  |  |  | 6805 | <xsd:simpleContent> |
|  |  |  | 6806 | <xsd:extension base="PortTypeEnum"> |
|  |  |  | 6807 | <xsd:attribute name="extension" type="xsd:string"/> |
|  |  |  | 6808 | </xsd:extension> |
|  |  |  | 6809 | </xsd:simpleContent> |
|  |  |  | 6810 | </xsd:complexType> |
|  |  |  | 6811 |  |
|  |  |  | 6812 | <xsd:simpleType name="PortTypeEnum"> |
|  |  |  | 6813 | <xsd:annotation> |
|  |  |  | 6814 | <xsd:documentation> |
|  |  |  | 6815 | The PortTypeEnum element describes the type of the Port.  For these |
|  |  |  | 6816 | port types the device only needs to know their type. Configuration |
|  |  |  | 6817 | details are documented elsewhere in the schema. For example, ARINC429 |
|  |  |  | 6818 | bus speed is in the DataStream desctiption |
|  |  |  | 6819 | </xsd:documentation> |
|  |  |  | 6820 | </xsd:annotation> |
|  |  |  | 6821 | <xsd:restriction base="xsd:string"> |
|  |  |  | 6822 | <xsd:enumeration value="Analog"/> |
|  |  |  | 6823 | <xsd:enumeration value="Audio"/> |
|  |  |  | 6824 | <xsd:enumeration value="TestPoint"/> |
|  |  |  | 6825 | <xsd:enumeration value="Serial"/> |
|  |  |  | 6826 | <xsd:enumeration value="Video"/> |
|  |  |  | 6827 | <xsd:enumeration value="ARINC429"/> |
|  |  |  | 6828 | <xsd:enumeration value="Ethernet"/> |
|  |  |  | 6829 | <xsd:enumeration value="ARINC629"/> |
|  |  |  | 6830 | <xsd:enumeration value="Fiberchannel"/> |
|  |  |  | 6831 | <xsd:enumeration value="IEEE1394"/> |
|  |  |  | 6832 | <xsd:enumeration value="CANbus"/> |
|  |  |  | 6833 | <xsd:enumeration value="MIL-STD-1553"/> |
|  |  |  | 6834 | <xsd:enumeration value="IntelliBus"/> |
|  |  |  | 6835 | <xsd:enumeration value="Extension"/> |
|  |  |  | 6836 | </xsd:restriction> |
|  |  |  | 6837 | </xsd:simpleType> |
| 6340 |  | = | 6838 |  |
| 6341 | <xsd:complexType name="NetworkDomainsType"> |  | 6839 | <xsd:complexType name="NetworkDomainsType"> |
| 6342 | <xsd:annotation> |  | 6840 | <xsd:annotation> |
| 6343 | <xsd:documentation> |  | 6841 | <xsd:documentation> |
| 6344 | The NetworkDomains element is a container for zero or more |  | 6842 | The NetworkDomains element is a container for zero or more |
| 6345 | Network elements and a list of network-to-network PortMappings in the |  | 6843 | Network elements and a list of network-to-network PortMappings in the |
|  | | | | |
| 6461 | </xsd:keyref> | = | 6959 | </xsd:keyref> |
| 6462 | <xsd:keyref name="EgressPortKeyRefInNetworkNode"refer="mdl:PhysicalNetworkPortInNetworkNodeKey"> |  | 6960 | <xsd:keyref name="EgressPortKeyRefInNetworkNode"refer="mdl:PhysicalNetworkPortInNetworkNodeKey"> |
| 6463 | <xsd:selector xpath=".//mdl:EgressPortRef"/> |  | 6961 | <xsd:selector xpath=".//mdl:EgressPortRef"/> |
| 6464 | <xsd:field xpath="@IDREF"/> |  | 6962 | <xsd:field xpath="@IDREF"/> |
| 6465 | </xsd:keyref> |  | 6963 | </xsd:keyref> |
| 6466 |  |  | 6964 |  |
|  |  | -+ | 6965 | <xsd:key name="TmNSManageableAppInNetworkNodeKey"> |
|  |  |  | 6966 | <xsd:selector xpath=".//mdl:TmNSManageableApp"/> |
|  |  |  | 6967 | <xsd:field xpath="@ID"/> |
|  |  |  | 6968 | </xsd:key> |
|  |  |  | 6969 | <xsd:keyref name="RunningAppInSameNetworkNodeKeyRef"refer="mdl:TmNSManageableAppInNetworkNodeKey"> |
|  |  |  | 6970 | <xsd:selector xpath=".//mdl:RunningApps/mdl:ManageableAppRef"/> |
|  |  |  | 6971 | <xsd:field xpath="@IDREF"/> |
|  |  |  | 6972 | </xsd:keyref> |
|  |  |  | 6973 |  |
| 6467 | </xsd:element> | = | 6974 | </xsd:element> |
| 6468 |  |  | 6975 |  |
| 6469 | <xsd:element name="Device" type="DeviceType" minOccurs="0" maxOccurs="unbounded"> |  | 6976 | <xsd:element name="Device" type="DeviceType" minOccurs="0" maxOccurs="unbounded"> |
| 6470 | <xsd:key name="PinKeyInDevice"> |  | 6977 | <xsd:key name="PinKeyInDevice"> |
| 6471 | <xsd:selector xpath=".//mdl:Pin"/> |  | 6978 | <xsd:selector xpath=".//mdl:Pin"/> |
| 6472 | <xsd:field xpath="@ID"/> |  | 6979 | <xsd:field xpath="@ID"/> |
|  | | | | |
| 6514 | antenna, its antenna control unit, receivers, transmitters and radios. | = | 7021 | antenna, its antenna control unit, receivers, transmitters and radios. |
| 6515 | An antenna itself is not configured via MDL. |  | 7022 | An antenna itself is not configured via MDL. |
| 6516 | </xsd:documentation><xsd:documentation> |  | 7023 | </xsd:documentation><xsd:documentation> |
| 6517 | The Name element, of type xsd:token, contains a human readable |  | 7024 | The Name element, of type xsd:token, contains a human readable |
| 6518 | name identifier for the antenna.  The Manufacturer element, of type |  | 7025 | name identifier for the antenna.  The Manufacturer element, of type |
| 6519 | xsd:string, contains the name of the manufacturer of the Device.  The |  | 7026 | xsd:string, contains the name of the manufacturer of the Device.  The |
| 6520 | ModelNumber element, of type xsd:string, contains the model number of | <> | 7027 | Model element, of type xsd:string, contains the model number of |
| 6521 | the Device.  The SerialNumber element, of type xsd:string, contains |  | 7028 | the Device.  The SerialIdentifier element, of type xsd:string, contains |
| 6522 | the model number of the Device. | = | 7029 | the model number of the Device. |
| 6523 | </xsd:documentation><xsd:documentation> |  | 7030 | </xsd:documentation><xsd:documentation> |
| 6524 | The ACU element, of type ManageableAppRefsType, contains a |  | 7031 | The ACU element, of type ManageableAppRefsType, contains a |
| 6525 | ManageableAppRef which identifies the antenna control unit (if |  | 7032 | ManageableAppRef which identifies the antenna control unit (if |
| 6526 | present) for this antenna. |  | 7033 | present) for this antenna. |
| 6527 | </xsd:documentation><xsd:documentation> |  | 7034 | </xsd:documentation><xsd:documentation> |
|  | | | | |
| 6541 | <xsd:sequence> | = | 7048 | <xsd:sequence> |
| 6542 | <xsd:element name="ReadOnly" type="xsd:boolean" default="false" minOccurs="0"/> |  | 7049 | <xsd:element name="ReadOnly" type="xsd:boolean" default="false" minOccurs="0"/> |
| 6543 | <xsd:element name="Owner" type="xsd:token" minOccurs="0"/> |  | 7050 | <xsd:element name="Owner" type="xsd:token" minOccurs="0"/> |
| 6544 | <xsd:element name="Name" type="xsd:token"/> |  | 7051 | <xsd:element name="Name" type="xsd:token"/> |
| 6545 | <xsd:element name="Description" type="xsd:string"/> |  | 7052 | <xsd:element name="Description" type="xsd:string"/> |
| 6546 | <xsd:element name="Manufacturer" type="xsd:string"/> |  | 7053 | <xsd:element name="Manufacturer" type="xsd:string"/> |
| 6547 | <xsd:element name="ModelNumber" type="xsd:string"/> | <> | 7054 | <xsd:element name="Model" type="xsd:string"/> |
| 6548 | <xsd:element name="SerialNumber" type="xsd:string"/> |  | 7055 | <xsd:element name="SerialIdentifier" type="xsd:string"/> |
| 6549 | <xsd:element name="ACU" type="ManageableAppRefsType" minOccurs="0"/> | = | 7056 | <xsd:element name="ACU" type="ManageableAppRefsType" minOccurs="0"/> |
| 6550 | <xsd:element name="SSTTxs" type="ManageableAppRefsType" minOccurs="0"/> |  | 7057 | <xsd:element name="SSTTxs" type="ManageableAppRefsType" minOccurs="0"/> |
| 6551 | <xsd:element name="SSTRxs" type="ManageableAppRefsType" minOccurs="0"/> |  | 7058 | <xsd:element name="SSTRxs" type="ManageableAppRefsType" minOccurs="0"/> |
| 6552 | <xsd:element name="Radios" type="ManageableAppRefsType" minOccurs="0"/> |  | 7059 | <xsd:element name="Radios" type="ManageableAppRefsType" minOccurs="0"/> |
| 6553 | </xsd:sequence> |  | 7060 | </xsd:sequence> |
| 6554 | </xsd:complexType> |  | 7061 | </xsd:complexType> |
|  | | | | |
| 6560 | a transducer, that is not network enabled for a TmNS system. | = | 7067 | a transducer, that is not network enabled for a TmNS system. |
| 6561 | </xsd:documentation><xsd:documentation> |  | 7068 | </xsd:documentation><xsd:documentation> |
| 6562 | The VendorConfig element is a Name/Value pair used to document |  | 7069 | The VendorConfig element is a Name/Value pair used to document |
| 6563 | decisions made to arrive at a vendor-specific configuration. |  | 7070 | decisions made to arrive at a vendor-specific configuration. |
| 6564 | </xsd:documentation><xsd:documentation> |  | 7071 | </xsd:documentation><xsd:documentation> |
| 6565 | The Manufacturer element, of type xsd:string, contains the |  | 7072 | The Manufacturer element, of type xsd:string, contains the |
| 6566 | name of the manufacturer of the Device.  The ModelNumber element, of | <> | 7073 | name of the manufacturer of the Device.  The Model element, of |
| 6567 | type xsd:string, contains the model number of the Device.  The | = | 7074 | type xsd:string, contains the model number of the Device.  The |
| 6568 | SerialNumber element, of type xsd:string, contains the model number of | <> | 7075 | SerialIdentifier element, of type xsd:string, contains the model |
| 6569 | the Device. |  | 7076 | number of the Device. |
| 6570 | </xsd:documentation><xsd:documentation> | = | 7077 | </xsd:documentation><xsd:documentation> |
| 6571 | The DeviceType element, can be one of the following strings: |  | 7078 | The DeviceType element, can be one of the following strings: |
| 6572 | Accelerometer, FlowMeter, Microphone, Potentiometer, |  | 7079 | Accelerometer, FlowMeter, Microphone, Potentiometer, |
| 6573 | PressureTransducer, StrainGauge, Synchro, Thermocouple |  | 7080 | PressureTransducer, StrainGauge, Synchro, Thermocouple |
| 6574 | </xsd:documentation><xsd:documentation> | +- |  |  |
| 6575 | The DataOperationRef element refers to the ID of the |  |  |  |
| 6576 | DataOperation element that describes the operation performed by the |  |  |  |
| 6577 | Device on Measurements. |  |  |  |
| 6578 | </xsd:documentation><xsd:documentation> |  |  |  |
| 6579 | The Sensitivity element, is a complex element of type |  |  |  |
| 6580 | mdl:ConditionParameter that describes the datasheet sensitivity (with |  |  |  |
| 6581 | units) of the device. |  |  |  |
| 6582 | </xsd:documentation><xsd:documentation> |  |  |  |
| 6583 | The Excitation element, is a complex element of type |  |  |  |
| 6584 | mdl:ConditionParameter that describes the excitation voltage to apply |  |  |  |
| 6585 | to the device such that the CalibrationPairs are valid. |  |  |  |
| 6586 | </xsd:documentation><xsd:documentation> |  |  |  |
| 6587 | The Calibration element in a Device is a container for |  |  |  |
| 6588 | individual input and output pairs used during the calibration of the |  |  |  |
| 6589 | Device as well as the date of the last calibration. |  |  |  |
| 6590 | </xsd:documentation><xsd:documentation> | = | 7081 | </xsd:documentation><xsd:documentation> |
| 6591 | The InventoryID element, of type xsd:token, describes the |  | 7082 | The InventoryID element, of type xsd:token, describes the |
| 6592 | inventory identifier of the device.  The value of the InventoryID must |  | 7083 | inventory identifier of the device.  The value of the InventoryID must |
| 6593 | be unique among all Device InventoryIDs within the MDLRoot element. |  | 7084 | be unique among all Device InventoryIDs within the MDLRoot element. |
| 6594 | </xsd:documentation> |  | 7085 | </xsd:documentation> |
| 6595 | </xsd:annotation> |  | 7086 | </xsd:annotation> |
|  | | | | |
| 6603 | <xsd:unique name="uniqueNameValueIndex7"> | = | 7094 | <xsd:unique name="uniqueNameValueIndex7"> |
| 6604 | <xsd:selector xpath="mdl:NameValue"/> |  | 7095 | <xsd:selector xpath="mdl:NameValue"/> |
| 6605 | <xsd:field xpath="@Index"/> |  | 7096 | <xsd:field xpath="@Index"/> |
| 6606 | </xsd:unique> |  | 7097 | </xsd:unique> |
| 6607 | </xsd:element> |  | 7098 | </xsd:element> |
| 6608 | <xsd:element name="Manufacturer" type="xsd:string"/> |  | 7099 | <xsd:element name="Manufacturer" type="xsd:string"/> |
| 6609 | <xsd:element name="ModelNumber" type="xsd:string"/> | <> | 7100 | <xsd:element name="Model" type="xsd:string"/> |
| 6610 | <xsd:element name="SerialNumber" type="xsd:string"/> |  | 7101 | <xsd:element name="SerialIdentifier" type="xsd:string"/> |
| 6611 | <xsd:element name="InventoryID" type="xsd:token"/> | = | 7102 | <xsd:element name="InventoryID" type="xsd:token"/> |
| 6612 | <xsd:element name="DeviceType" type="DeviceTypeEnum"/> | <> | 7103 | <xsd:element name="DeviceType" type="DeviceTypeEnumExtType"/> |
| 6613 | <xsd:element name="LogicalLocation" type="LogicalLocationType" minOccurs="0"/> | = | 7104 | <xsd:element name="LogicalLocation" type="LogicalLocationType" minOccurs="0"/> |
| 6614 | <xsd:element name="PhysicalLocation" type="PhysicalLocationType" minOccurs="0"/> |  | 7105 | <xsd:element name="PhysicalLocation" type="PhysicalLocationType" minOccurs="0"/> |
| 6615 | <xsd:element name="DataOperationRef" type="DataOperationRefType" minOccurs="0"/> | <> | 7106 | <xsd:element name="DeviceStructure" type="DeviceStructureType"> |
| 6616 | <xsd:element name="Sensitivity" type="ConditionParameterType" minOccurs="0"/> |  |  |  |
| 6617 | <xsd:element name="Excitation" type="ConditionParameterType" minOccurs="0"/> |  |  |  |
| 6618 | <xsd:element name="Calibration" type="CalibrationType" minOccurs="0"/> |  |  |  |
| 6619 | <xsd:element name="Connector" type="ConnectorType" minOccurs="0" maxOccurs="unbounded"> |  |  |  |
| 6620 | <xsd:unique name="uniquePinIndexInDeviceConnector"> |  | 7107 | <xsd:unique name="uniquePositionInDeviceModule"> |
| 6621 | <xsd:selector xpath="mdl:Pin"/> |  | 7108 | <xsd:selector xpath="mdl:DeviceModule"/> |
| 6622 | <xsd:field xpath="@Index"/> |  | 7109 | <xsd:field xpath="mdl:Position"/> |
| 6623 | </xsd:unique> | = | 7110 | </xsd:unique> |
| 6624 | </xsd:element> | <> |  |  |
| 6625 | <xsd:element name="Ports" type="PortsType"> |  |  |  |
| 6626 | <xsd:unique name="uniquePortIndexInDevice"> |  | 7111 | <xsd:unique name="uniqueNameInDeviceModule"> |
| 6627 | <xsd:selector xpath="mdl:Port"/> |  | 7112 | <xsd:selector xpath="mdl:DeviceModule"/> |
| 6628 | <xsd:field xpath="@Index"/> |  | 7113 | <xsd:field xpath="mdl:Name"/> |
| 6629 | </xsd:unique> | = | 7114 | </xsd:unique> |
| 6630 | </xsd:element> |  | 7115 | </xsd:element> |
| 6631 | </xsd:sequence> |  | 7116 | </xsd:sequence> |
| 6632 | <xsd:attribute name="ID" type="xsd:ID" use="required"/> |  | 7117 | <xsd:attribute name="ID" type="xsd:ID" use="required"/> |
| 6633 | </xsd:complexType> |  | 7118 | </xsd:complexType> |
| 6634 |  |  | 7119 |  |
|  |  | -+ | 7120 | <!-- TBD DeviceRef --> |
|  |  |  | 7121 |  |
|  |  |  | 7122 | <xsd:complexType name="DeviceTypeEnumExtType"> |
|  |  |  | 7123 | <xsd:annotation> |
|  |  |  | 7124 | <xsd:documentation> |
|  |  |  | 7125 | The DeviceTypeEnumExtType provides an extensible enumeration.  If the |
|  |  |  | 7126 | value of the enumeration is "Extension", the attribute named |
|  |  |  | 7127 | "extension" shall contain the string representing the extended |
|  |  |  | 7128 | enumeration value. |
|  |  |  | 7129 | </xsd:documentation> |
|  |  |  | 7130 | </xsd:annotation> |
|  |  |  | 7131 | <xsd:simpleContent> |
|  |  |  | 7132 | <xsd:extension base="DeviceTypeEnum"> |
|  |  |  | 7133 | <xsd:attribute name="extension" type="xsd:string"/> |
|  |  |  | 7134 | </xsd:extension> |
|  |  |  | 7135 | </xsd:simpleContent> |
|  |  |  | 7136 | </xsd:complexType> |
|  |  |  | 7137 |  |
| 6635 | <xsd:simpleType name="DeviceTypeEnum"> | = | 7138 | <xsd:simpleType name="DeviceTypeEnum"> |
| 6636 | <xsd:annotation> |  | 7139 | <xsd:annotation> |
| 6637 | <xsd:documentation> |  | 7140 | <xsd:documentation> |
| 6638 | The DeviceType element is an enumeration of the supported | <> | 7141 | The DeviceType element is an extensible enumeration of the supported |
| 6639 | non-TmNS devices, such as transducers and thermocouples. | = | 7142 | non-TmNS devices, such as transducers and thermocouples. |
| 6640 | </xsd:documentation> |  | 7143 | </xsd:documentation> |
| 6641 | </xsd:annotation> |  | 7144 | </xsd:annotation> |
| 6642 | <xsd:restriction base="xsd:string"> |  | 7145 | <xsd:restriction base="xsd:string"> |
| 6643 | <xsd:enumeration value="Accelerometer"/> |  | 7146 | <xsd:enumeration value="Accelerometer"/> |
| 6644 | <xsd:enumeration value="FlowMeter"/> |  | 7147 | <xsd:enumeration value="FlowMeter"/> |
|  | | | | |
| 6655 | <xsd:enumeration value="RThermocouple"/> | = | 7158 | <xsd:enumeration value="RThermocouple"/> |
| 6656 | <xsd:enumeration value="SThermocouple"/> |  | 7159 | <xsd:enumeration value="SThermocouple"/> |
| 6657 | <xsd:enumeration value="TThermocouple"/> |  | 7160 | <xsd:enumeration value="TThermocouple"/> |
| 6658 | <xsd:enumeration value="CThermocouple"/> |  | 7161 | <xsd:enumeration value="CThermocouple"/> |
| 6659 | <xsd:enumeration value="MThermocouple"/> |  | 7162 | <xsd:enumeration value="MThermocouple"/> |
| 6660 | <xsd:enumeration value="Thermocouple"/> |  | 7163 | <xsd:enumeration value="Thermocouple"/> |
| 6661 | <xsd:enumeration value="Other"/> | <> | 7164 | <xsd:enumeration value="Extension"/> |
| 6662 | </xsd:restriction> | = | 7165 | </xsd:restriction> |
| 6663 | </xsd:simpleType> |  | 7166 | </xsd:simpleType> |
| 6664 |  |  | 7167 |  |
| 6665 | <xsd:complexType name="CalibrationType"> |  | 7168 | <xsd:complexType name="CalibrationType"> |
| 6666 | <xsd:annotation> |  | 7169 | <xsd:annotation> |
| 6667 | <xsd:documentation> |  | 7170 | <xsd:documentation> |
|  | | | | |
| 6751 | <xsd:annotation> | = | 7254 | <xsd:annotation> |
| 6752 | <xsd:documentation> |  | 7255 | <xsd:documentation> |
| 6753 | The GenericParameter element allows the description of |  | 7256 | The GenericParameter element allows the description of |
| 6754 | additional information outside the scope of the Metadata Standard. |  | 7257 | additional information outside the scope of the Metadata Standard. |
| 6755 | The GenericParameter element contains one or more NameValue elements. |  | 7258 | The GenericParameter element contains one or more NameValue elements. |
| 6756 | </xsd:documentation><xsd:documentation> |  | 7259 | </xsd:documentation><xsd:documentation> |
|  |  | -+ | 7260 | In addition, the GenericParameter element contains an xsd:any tag to |
|  |  |  | 7261 | allow for any well-formed XML to be placed in the element, however the |
|  |  |  | 7262 | intent is for the name/value pairs to be used as the primary mechanism |
|  |  |  | 7263 | for recording generic parameters so that the settings can |
|  |  |  | 7264 | be easily presented to the user in a standardized way. |
|  |  |  | 7265 | </xsd:documentation><xsd:documentation> |
| 6757 | The use of GenericParameter shall not be used as a work-around | = | 7266 | The use of GenericParameter shall not be used as a work-around |
| 6758 | for the Metadata Standard. |  | 7267 | for the Metadata Standard. |
| 6759 | </xsd:documentation> |  | 7268 | </xsd:documentation> |
| 6760 | </xsd:annotation> |  | 7269 | </xsd:annotation> |
| 6761 | <xsd:sequence> |  | 7270 | <xsd:sequence> |
| 6762 | <xsd:element name="ReadOnly" type="xsd:boolean" default="false" minOccurs="0"/> |  | 7271 | <xsd:element name="ReadOnly" type="xsd:boolean" default="false" minOccurs="0"/> |
| 6763 | <xsd:element name="Owner" type="xsd:token" minOccurs="0"/> |  | 7272 | <xsd:element name="Owner" type="xsd:token" minOccurs="0"/> |
| 6764 | <xsd:element name="NameValue" type="NameValueType" maxOccurs="unbounded"/> | <> | 7273 | <xsd:element name="NameValues" type="NameValuesType"/> |
|  |  |  | 7274 | <xsd:any namespace="##any" processContents="lax" minOccurs="0" maxOccurs="unbounded" /> |
| 6765 | </xsd:sequence> | = | 7275 | </xsd:sequence> |
| 6766 | </xsd:complexType> |  | 7276 | </xsd:complexType> |
| 6767 |  |  | 7277 |  |
| 6768 | <xsd:complexType name="UnitsConversionsType"> |  | 7278 | <xsd:complexType name="UnitsConversionsType"> |
| 6769 | <xsd:annotation> |  | 7279 | <xsd:annotation> |
| 6770 | <xsd:documentation> |  | 7280 | <xsd:documentation> |
|  | | | | |
| 6781 | </xsd:complexType> | = | 7291 | </xsd:complexType> |
| 6782 |  |  | 7292 |  |
| 6783 | <xsd:complexType name="PCMMeasurementRefType"> |  | 7293 | <xsd:complexType name="PCMMeasurementRefType"> |
| 6784 | <xsd:annotation> |  | 7294 | <xsd:annotation> |
| 6785 | <xsd:documentation> |  | 7295 | <xsd:documentation> |
| 6786 | The PCMMeasurementRef element contains an NameRef attribute, |  | 7296 | The PCMMeasurementRef element contains an NameRef attribute, |
| 6787 | of type xsd:IDREF, that shall reference the Name attribute of the | <> | 7297 | of type xsd:string, that shall reference the Name attribute of the |
| 6788 | TMATS schema's Measurement within the same MeasurementDomain.  The | = | 7298 | TMATS schema's Measurement within the same MeasurementDomain.  The |
| 6789 | XPATH expression for the location of the Name attribute is |  | 7299 | XPATH expression for the location of the Name attribute is |
| 6790 | /MDLRoot/MeasurementDomains/MeasurementDomain/DataStreams/DataStream/PCMDataLink/PCMFormatAttributes/ |  | 7300 | /MDLRoot/MeasurementDomains/MeasurementDomain/DataStreams/DataStream/PCMDataLink/PCMFormatAttributes/ |
| 6791 | PCMMeasurements/MeasurementList/Measurement[@Name] |  | 7301 | PCMMeasurements/MeasurementList/Measurement[@Name] |
| 6792 | </xsd:documentation> |  | 7302 | </xsd:documentation> |
| 6793 | </xsd:annotation> |  | 7303 | </xsd:annotation> |
|  | | | | |
| 7063 | </xsd:annotation> | = | 7573 | </xsd:annotation> |
| 7064 | <xsd:sequence> |  | 7574 | <xsd:sequence> |
| 7065 | <xsd:element name="ReadOnly" type="xsd:boolean" default="false" minOccurs="0"/> |  | 7575 | <xsd:element name="ReadOnly" type="xsd:boolean" default="false" minOccurs="0"/> |
| 7066 | <xsd:element name="Owner" type="xsd:token" minOccurs="0"/> |  | 7576 | <xsd:element name="Owner" type="xsd:token" minOccurs="0"/> |
| 7067 | <xsd:element name="DataLength" type="ConditionParametersType"/> |  | 7577 | <xsd:element name="DataLength" type="ConditionParametersType"/> |
| 7068 | <xsd:element name="Endianness" type="EndiannessEnum" minOccurs="0"/> |  | 7578 | <xsd:element name="Endianness" type="EndiannessEnum" minOccurs="0"/> |
| 7069 | <xsd:element name="DigitalEncoding" type="DigitalEncodingEnum"/> | <> | 7579 | <xsd:element name="DigitalEncoding" type="DigitalEncodingEnumExtType"/> |
| 7070 | <xsd:element name="SampleRate" type="ConditionParametersType" minOccurs="0"/> | = | 7580 | <xsd:element name="SampleRate" type="ConditionParametersType" minOccurs="0"/> |
| 7071 | <xsd:element name="DataRate" type="ConditionParametersType" minOccurs="0"/> |  | 7581 | <xsd:element name="DataRate" type="ConditionParametersType" minOccurs="0"/> |
| 7072 | <xsd:element name="ActiveInputRange" type="ConditionParametersType" minOccurs="0"/> |  | 7582 | <xsd:element name="ActiveInputRange" type="ConditionParametersType" minOccurs="0"/> |
|  |  | -+ | 7583 | </xsd:sequence> |
|  |  |  | 7584 | </xsd:complexType> |
|  |  |  | 7585 |  |
|  |  |  | 7586 | <xsd:complexType name="TimeAttributesType"> |
|  |  |  | 7587 | <xsd:annotation> |
|  |  |  | 7588 | <xsd:documentation> |
|  |  |  | 7589 | The TimestampFormat element is an enumeration of timestamp format strings. |
|  |  |  | 7590 | Allowable values identify IRIG time codes, UTC, and IEEE 1588 versions. |
|  |  |  | 7591 | </xsd:documentation><xsd:documentation> |
|  |  |  | 7592 | The TimestampType element is an enumeration that identifies the type of |
|  |  |  | 7593 | timestamp, whether it is an absolute timestamp or a relative time offset |
|  |  |  | 7594 | from the Message/Package time. |
|  |  |  | 7595 | </xsd:documentation> |
|  |  |  | 7596 | </xsd:annotation> |
|  |  |  | 7597 | <xsd:sequence> |
|  |  |  | 7598 | <xsd:element name="ReadOnly" type="xsd:boolean" default="false" minOccurs="0"/> |
|  |  |  | 7599 | <xsd:element name="Owner" type="xsd:token" minOccurs="0"/> |
|  |  |  | 7600 | <xsd:element name="TimestampFormat" type="TimestampFormatType"/> |
|  |  |  | 7601 | <xsd:element name="TimestampType" type="TimestampTypeEnum"/> |
| 7073 | </xsd:sequence> | = | 7602 | </xsd:sequence> |
| 7074 | </xsd:complexType> |  | 7603 | </xsd:complexType> |
| 7075 |  |  | 7604 |  |
| 7076 | <xsd:complexType name="DSCPTableType"> |  | 7605 | <xsd:complexType name="DSCPTableType"> |
| 7077 | <xsd:annotation> |  | 7606 | <xsd:annotation> |
| 7078 | <xsd:documentation> |  | 7607 | <xsd:documentation> |
|  | | | | |
| 7273 | </xsd:annotation> | = | 7802 | </xsd:annotation> |
| 7274 | <xsd:restriction base="xsd:string"> |  | 7803 | <xsd:restriction base="xsd:string"> |
| 7275 | <xsd:pattern value="\IRIG (A|B|D|E|G|H)([0-2][0-5][0-7])"/> |  | 7804 | <xsd:pattern value="\IRIG (A|B|D|E|G|H)([0-2][0-5][0-7])"/> |
| 7276 | </xsd:restriction> |  | 7805 | </xsd:restriction> |
| 7277 | </xsd:simpleType> |  | 7806 | </xsd:simpleType> |
| 7278 |  |  | 7807 |  |
|  |  | -+ | 7808 | <xsd:simpleType name="TimestampTypeEnum"> |
|  |  |  | 7809 | <xsd:annotation> |
|  |  |  | 7810 | <xsd:documentation> |
|  |  |  | 7811 | The TimestampTypeEnum is an enumerated list of valid values |
|  |  |  | 7812 | for a TimestampType.  A timestamp can be either an absolute |
|  |  |  | 7813 | timestamp or an offset time from the Message/Package time |
|  |  |  | 7814 | from the standard message/package headers. |
|  |  |  | 7815 | </xsd:documentation> |
|  |  |  | 7816 | </xsd:annotation> |
|  |  |  | 7817 | <xsd:restriction base="xsd:string"> |
|  |  |  | 7818 | <xsd:enumeration value="AbsoluteTime"/> |
|  |  |  | 7819 | <xsd:enumeration value="PackageTimeOffset"/> |
|  |  |  | 7820 | </xsd:restriction> |
|  |  |  | 7821 | </xsd:simpleType> |
|  |  |  | 7822 |  |
| 7279 | <xsd:simpleType name="uInt4"> | = | 7823 | <xsd:simpleType name="uInt4"> |
| 7280 | <xsd:annotation> |  | 7824 | <xsd:annotation> |
| 7281 | <xsd:documentation> |  | 7825 | <xsd:documentation> |
| 7282 | The mdl:uInt4 data type is a 4-bit unsigned integer.  Valid |  | 7826 | The mdl:uInt4 data type is a 4-bit unsigned integer.  Valid |
| 7283 | values are the non-negative integers in the inclusive range from 0 to |  | 7827 | values are the non-negative integers in the inclusive range from 0 to |
| 7284 | 15. |  | 7828 | 15. |
|  | | | | |
| 7755 | <xsd:enumeration value="CommandWord"/> | = | 8299 | <xsd:enumeration value="CommandWord"/> |
| 7756 | <xsd:enumeration value="DataWord"/> |  | 8300 | <xsd:enumeration value="DataWord"/> |
| 7757 | <xsd:enumeration value="StatusWord"/> |  | 8301 | <xsd:enumeration value="StatusWord"/> |
| 7758 | </xsd:restriction> |  | 8302 | </xsd:restriction> |
| 7759 | </xsd:simpleType> |  | 8303 | </xsd:simpleType> |
| 7760 |  |  | 8304 |  |
|  |  | -+ | 8305 | <xsd:complexType name="MeasurementTypeEnumExtType"> |
|  |  |  | 8306 | <xsd:annotation> |
|  |  |  | 8307 | <xsd:documentation> |
|  |  |  | 8308 | The MeasurementTypeEnumExtType provides an extensible enumeration.  If the |
|  |  |  | 8309 | value of the enumeration is "Extension", the attribute named |
|  |  |  | 8310 | "extension" shall contain the string representing the extended |
|  |  |  | 8311 | enumeration value. |
|  |  |  | 8312 | </xsd:documentation> |
|  |  |  | 8313 | </xsd:annotation> |
|  |  |  | 8314 | <xsd:simpleContent> |
|  |  |  | 8315 | <xsd:extension base="MeasurementTypeEnum"> |
|  |  |  | 8316 | <xsd:attribute name="extension" type="xsd:string"/> |
|  |  |  | 8317 | </xsd:extension> |
|  |  |  | 8318 | </xsd:simpleContent> |
|  |  |  | 8319 | </xsd:complexType> |
|  |  |  | 8320 |  |
| 7761 | <xsd:simpleType name="MeasurementTypeEnum"> | = | 8321 | <xsd:simpleType name="MeasurementTypeEnum"> |
| 7762 | <xsd:annotation> |  | 8322 | <xsd:annotation> |
| 7763 | <xsd:documentation> |  | 8323 | <xsd:documentation> |
| 7764 | The MeasurementType element is an enumeration of type | <> | 8324 | The MeasurementType element is an enumeration that describes the |
| 7765 | mdl:MeasurementTypeEnum that can be set to one of the following |  | 8325 | basic kind of measurement.  Some example values are Analog, Discrete, |
| 7766 | values: "Analog", "Discrete", "DigitalBus", "Computed" |  | 8326 | DigitalBus, Computed, Time, Video, etc. |
| 7767 | </xsd:documentation><xsd:documentation> | = | 8327 | </xsd:documentation><xsd:documentation> |
| 7768 | If "Analog" or "Discrete" is selected, the AnalogAttributes |  | 8328 | If "Analog" or "Discrete" is selected, the AnalogAttributes |
| 7769 | element shall be used to describe the Measurement element.  If |  | 8329 | element shall be used to describe the Measurement element.  If |
| 7770 | "DigitalBus" or "Computed" is selected, the DigitalAttributes element |  | 8330 | "DigitalBus" or "Computed" is selected, the DigitalAttributes element |
| 7771 | shall be used to describe the Measurement element. |  | 8331 | shall be used to describe the Measurement element. |
|  |  | -+ | 8332 | </xsd:documentation><xsd:documentation> |
|  |  |  | 8333 | If "Time" is selected, the TimeAttributes element shall be used |
|  |  |  | 8334 | to describe the Measurement element. |
| 7772 | </xsd:documentation> | = | 8335 | </xsd:documentation> |
| 7773 | </xsd:annotation> |  | 8336 | </xsd:annotation> |
| 7774 | <xsd:restriction base="xsd:string"> |  | 8337 | <xsd:restriction base="xsd:string"> |
| 7775 | <xsd:enumeration value="Analog"/> |  | 8338 | <xsd:enumeration value="Analog"/> |
| 7776 | <xsd:enumeration value="Discrete"/> |  | 8339 | <xsd:enumeration value="Discrete"/> |
| 7777 | <xsd:enumeration value="DigitalBus"/> |  | 8340 | <xsd:enumeration value="DigitalBus"/> |
| 7778 | <xsd:enumeration value="Computed"/> |  | 8341 | <xsd:enumeration value="Computed"/> |
|  |  | -+ | 8342 | <xsd:enumeration value="Time"/> |
|  |  |  | 8343 | <xsd:enumeration value="Video"/> |
|  |  |  | 8344 | <xsd:enumeration value="Overhead"/> |
|  |  |  | 8345 | <xsd:enumeration value="Extension"/> |
| 7779 | </xsd:restriction> | = | 8346 | </xsd:restriction> |
| 7780 | </xsd:simpleType> |  | 8347 | </xsd:simpleType> |
| 7781 |  |  | 8348 |  |
| 7782 | <xsd:simpleType name="DeliveryClassEnum"> |  | 8349 | <xsd:simpleType name="DeliveryClassEnum"> |
| 7783 | <xsd:annotation> |  | 8350 | <xsd:annotation> |
| 7784 | <xsd:documentation> |  | 8351 | <xsd:documentation> |
|  | | | | |
| 7872 | <xsd:enumeration value="01"/> | = | 8439 | <xsd:enumeration value="01"/> |
| 7873 | <xsd:enumeration value="10"/> |  | 8440 | <xsd:enumeration value="10"/> |
| 7874 | <xsd:enumeration value="11"/> |  | 8441 | <xsd:enumeration value="11"/> |
| 7875 | </xsd:restriction> |  | 8442 | </xsd:restriction> |
| 7876 | </xsd:simpleType> |  | 8443 | </xsd:simpleType> |
| 7877 |  |  | 8444 |  |
|  |  | -+ | 8445 | <xsd:complexType name="DigitalEncodingEnumExtType"> |
|  |  |  | 8446 | <xsd:annotation> |
|  |  |  | 8447 | <xsd:documentation> |
|  |  |  | 8448 | The DigitalEncodingEnumExtType provides an extensible enumeration. |
|  |  |  | 8449 | If the value of the enumeration is "Extension", the attribute named |
|  |  |  | 8450 | "extension" shall contain the string representing the extended |
|  |  |  | 8451 | enumeration value. |
|  |  |  | 8452 | </xsd:documentation> |
|  |  |  | 8453 | </xsd:annotation> |
|  |  |  | 8454 | <xsd:simpleContent> |
|  |  |  | 8455 | <xsd:extension base="DigitalEncodingEnum"> |
|  |  |  | 8456 | <xsd:attribute name="extension" type="xsd:string"/> |
|  |  |  | 8457 | </xsd:extension> |
|  |  |  | 8458 | </xsd:simpleContent> |
|  |  |  | 8459 | </xsd:complexType> |
|  |  |  | 8460 |  |
| 7878 | <xsd:simpleType name="DigitalEncodingEnum"> | = | 8461 | <xsd:simpleType name="DigitalEncodingEnum"> |
| 7879 | <xsd:annotation> |  | 8462 | <xsd:annotation> |
| 7880 | <xsd:documentation> |  | 8463 | <xsd:documentation> |
| 7881 | The DigitalEncodingEnum element is an enumeration that can be |  | 8464 | The DigitalEncodingEnum element is an enumeration that can be |
| 7882 | set to one of the following values: "BCD", "Two'sComplement", |  | 8465 | set to one of the following values: "BCD", "Two'sComplement", |
| 7883 | "One'sComplement", "UnsignedBinary", "SignedBinary", |  | 8466 | "One'sComplement", "UnsignedBinary", "SignedBinary", |
|  | | | | |
| 7890 | <xsd:enumeration value="Two'sComplement"/> | = | 8473 | <xsd:enumeration value="Two'sComplement"/> |
| 7891 | <xsd:enumeration value="One'sComplement"/> |  | 8474 | <xsd:enumeration value="One'sComplement"/> |
| 7892 | <xsd:enumeration value="UnsignedBinary"/> |  | 8475 | <xsd:enumeration value="UnsignedBinary"/> |
| 7893 | <xsd:enumeration value="SignedBinary"/> |  | 8476 | <xsd:enumeration value="SignedBinary"/> |
| 7894 | <xsd:enumeration value="IEEE754FloatingPointSinglePrecision"/> |  | 8477 | <xsd:enumeration value="IEEE754FloatingPointSinglePrecision"/> |
| 7895 | <xsd:enumeration value="IEEE754FloatingPointDoublePrecision"/> |  | 8478 | <xsd:enumeration value="IEEE754FloatingPointDoublePrecision"/> |
|  |  | -+ | 8479 | <xsd:enumeration value="MILSTD1750ASinglePrecision"/> |
|  |  |  | 8480 | <xsd:enumeration value="MILSTD1750ADoublePrecision"/> |
|  |  |  | 8481 | <xsd:enumeration value="DECSinglePrecision"/> |
|  |  |  | 8482 | <xsd:enumeration value="DECDoublePrecision"/> |
|  |  |  | 8483 | <xsd:enumeration value="DECGDoublePrecision"/> |
|  |  |  | 8484 | <xsd:enumeration value="IBMSinglePrecision"/> |
|  |  |  | 8485 | <xsd:enumeration value="IBMDoublePrecision"/> |
|  |  |  | 8486 | <xsd:enumeration value="TISinglePrecision"/> |
|  |  |  | 8487 | <xsd:enumeration value="TIExtendedPrecision"/> |
|  |  |  | 8488 | <xsd:enumeration value="Extension"/> |
| 7896 | </xsd:restriction> | = | 8489 | </xsd:restriction> |
| 7897 | </xsd:simpleType> |  | 8490 | </xsd:simpleType> |
| 7898 |  |  | 8491 |  |
| 7899 | <xsd:simpleType name="ShiftTypeEnum"> |  | 8492 | <xsd:simpleType name="ShiftTypeEnum"> |
| 7900 | <xsd:annotation> |  | 8493 | <xsd:annotation> |
| 7901 | <xsd:documentation> |  | 8494 | <xsd:documentation> |