Sample Records

Demo PBCore records showing how to use each root element are included under the ‘PBCore Structure’ section of the Handbook. This section provides example real-world XML records gathered from organizations that are using PBCore. Each organization uses PBCore slightly differently to fit their specific needs.

American Archive of Public Broadcasting Record: This record is an example of the PBCore that underlies the American Archive of Public Broadcasting website, with digital instantiations represented.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<pbcoreDescriptionDocument
xmlns="http://www.pbcore.org/PBCore/PBCoreNamespace.html"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  <pbcoreAssetType>Program</pbcoreAssetType>
  <pbcoreAssetDate dateType="Broadcast">2002-00-00</pbcoreAssetDate>
  <pbcoreIdentifier source="http://americanarchiveinventory.org">cpb-aacip/508-sf2m61cj57</pbcoreIdentifier>
  <pbcoreIdentifier source="VMM Inventory ">#">2013-00236</pbcoreIdentifier>
  <pbcoreIdentifier source="Sony Ci">483c4c6536624dcd9c0d90143784323c</pbcoreIdentifier>
  <pbcoreTitle titleType="Title">The Great American Footrace</pbcoreTitle>
  <pbcoreDescription descriptionType="Program">Facing scorching temperatures, 19-year-old Andy Payne, a small-town Cherokee boy, takes home the gold after winning a grueling 3,422-mile foot race designed to bring attention to the newly constructed Route 66 Highway. The race recounted in this Emmy-nominated film became one of the wildest promotion schemes in history, allowing Andy to win enough money to marry his girl and keep the family farm.</pbcoreDescription>
  <pbcoreCreator>
    <creator>Bigbee, Dan</creator>
    <creatorRole>Producer</creatorRole>
  </pbcoreCreator>
  <pbcoreCreator>
    <creator>Shangreaux, Lilly</creator>
    <creatorRole>Producer</creatorRole>
  </pbcoreCreator>
  <pbcoreInstantiation>
    <instantiationIdentifier source="VMM Inventory ">#">2013-00236</instantiationIdentifier>
    <instantiationPhysical>Digital Betacam</instantiationPhysical>
    <instantiationLocation>VMM Archives Vault - VHL 2 Shelf D</instantiationLocation>
    <instantiationMediaType>Moving Image</instantiationMediaType>
    <instantiationGenerations>Master</instantiationGenerations>
    <instantiationDuration>0:56:46</instantiationDuration>
    <instantiationAnnotation annotationType="organization">Vision Maker Media</instantiationAnnotation>
  </pbcoreInstantiation>
</pbcoreDescriptionDocument>
```
<instantiationIdentifier source="mediainfo">cpb-aacip-508-sf2m6lcj57.mp4</instantiationIdentifier>
<instantiationIdentifier source="Sony CI">483c4c6536624ddcd9cd90143784323c</instantiationIdentifier>
<instantiationIdentifier source="MD5 checksum">f04e8aa97a176860a2d6bd437877abd84</instantiationIdentifier>
<instantiationDate dateType="encoded">2016-12-06</instantiationDate>
<instantiationDigital>video/mp4</instantiationDigital>
<instantiationStandard>Base Media / Version 2</instantiationStandard>
<instantiationLocation>N/A</instantiationLocation>
<instantiationMediaTypeInfo>Moving Image</instantiationMediaTypeInfo>
<instantiationGeneMade>Proxy</instantiationGeneMade>
<instantiationFileSize unitsOfMeasure="MiB">796</instantiationFileSize>
<instantiationDataRate unitsOfMeasure="950">1</instantiationDataRate>
<instantiationTracks>1 video, 1 audio</instantiationTracks>
<instantiationChannelConfiguration>2 channel</instantiationChannelConfiguration>
<instantiationAnnotation annotationType="Preservation LTO">AB0001</instantiationAnnotation>
<instantiationAnnotation annotationType="Preservation Disk">ABDISK0002</instantiationAnnotation>
<instantiationAnnotation annotationType="organization">American Archive of Public Broadcasting</instantiationAnnotation>
</pbcoreInstantiation>

<instantiationEssenceTrack>
  <essenceTrackType>video</essenceTrackType>
  <essenceTrackIdentifier source="mediainfo">1</essenceTrackIdentifier>
  <essenceTrackStandard>NTSC</essenceTrackStandard>
  <essenceTrackEncoding ref="http://developers.videolan.org/x264.html" source="mediainfo">AVC</essenceTrackEncoding>
  <essenceTrackDataRate unitsOfMeasure="821">1</essenceTrackDataRate>
  <essenceTrackFrameRate>29.970</essenceTrackFrameRate>
  <essenceTrackBitDepth>8</essenceTrackBitDepth>
  <essenceTrackFrameSize>1920 x 1080</essenceTrackFrameSize>
  <essenceTrackAspectRatio>16:10</essenceTrackAspectRatio>
  <essenceTrackDuration>00:57:04</essenceTrackDuration>
  <essenceTrackLanguage>eng</essenceTrackLanguage>
  <essenceTrackAnnotation annotationType="colorspace">YUV</essenceTrackAnnotation>
  <essenceTrackAnnotation annotationType="subsampling">4:2:0</essenceTrackAnnotation>
</instantiationEssenceTrack>
<instantiationEssenceTrack>
  <essenceTrackType>audio</essenceTrackType>
  <essenceTrackIdentifier source="mediainfo">2</essenceTrackIdentifier>
  <essenceTrackEncoding source="mediainfo">AAC LC</essenceTrackEncoding>
  <essenceTrackDataRate unitsOfMeasure="kb/s">125</essenceTrackDataRate>
  <essenceTrackSamplingRate>48.0 kHz</essenceTrackSamplingRate>
  <essenceTrackDuration>00:57:04</essenceTrackDuration>
  <essenceTrackLanguage>eng</essenceTrackLanguage>
</instantiationEssenceTrack>
<pbcoreDescriptionDocument>
  <pbcoreAssetType>Episode</pbcoreAssetType>
  <pbcoreAssetDate dateType="broadcast" annotation="according to ProTrack">2012-11-28T20:30:00</pbcoreAssetDate>
  <pbcoreIdentifier source="NOLA Code">INSO 000510</pbcoreIdentifier>
  <pbcoreIdentifier source="vsn_serial">4093</pbcoreIdentifier>
  <pbcoreTitle titleType="Series" annotation="unpreserved case">Independent Sources</pbcoreTitle>
  <pbcoreTitle titleType="Episode" annotation="unpreserved case">Africa Redux</pbcoreTitle>
  <pbcoreDescription descriptionType="GUIDE">On this edition of Independent Sources, we take a look at President Obama's policies towards Africa. Then we hear about an MIT doctoral student's global initiative to get high school students more involved in community development projects in Sierra Leone. Finally, we profile an immigrant artist organization fighting to get more recognition for foreign artists. 12/3/12</pbcoreDescription>
  <pbcoreDescription descriptionType="Series">Independent Sources A studio-based weekly news magazine with field segments about New York City's ethnic and immigrant communities, and the media that cover them. The series seeks to shed light on underreported stories and showcase guests who can offer lucid perspectives on what's happening in these neighborhoods and communities.</pbcoreDescription>
  <pbcoreDescription descriptionType="Version" annotation="unpreserved case">12/3/2012</pbcoreDescription>
</pbcoreDescriptionDocument>
Library of Congress MAVIS Export Mapped to PBCore: This is an example of a PBCore-formatted export from MAVIS, the Merged Audio Visual Information System used for the Library of Congress' audiovisual catalog.

Description of series:
This series focuses on the private vision of the creative person. Each program is devoted to a 20th century artist whose special qualities of imagination, taste, originality, intelligence, craftsmanship, and individuality have marked him as a pace-setter in his field. These artists -- whose fields span the entire gamut of the art world --- include film maker Jean Renoir, poet John Ciardi, industrial designer Raymond Loewy, Hollywood producer-director King Vidor, noted Broadway couple Ossie Davis and Ruby Dee, artist Leonard Baskin, humorist James Thurber, satirist Robert Osborn, Indian musician Ravi Shankar, poet P. G. Wodehouse, painter Georges Braque, former ballet star Olga Spessivtzeva, Rudolf Bing, and Marni Nixon.
The format for each program has been geared to the individual featured; Performance, interview, and documentary technique are employed interchangeably.

Program 70: Fred Rogers
Fred Rogers is a television phenomenon. He is a 39-year-old ordained minister, an educator, graduate musician, and a quiet, gentle, unselfconscious young man who possesses a mysterious and quite remarkable attraction for pre-school children.

When his daily half-hour program, "Mister Rogers' Neighborhood," was threatened with cancellation for lack of funds last spring in Boston, station WGBH-TV was deluged with protests. When Rogers himself made a personal appearance there, 6,000 pint-sized fans turned out to see him.

Since then, Rogers' program (a composite of songs, conversation, puppet neighbors, and people neighbors, palatable lessons and ideas) has attracted a Sears-Roebuck Foundation grant and will be a regular five-day-a-week children's feature on NET stations across the country this season.

This Creative Person film shows the man behind "Mister Rogers'," the television personality. Rogers is visited at his home, is seen at the studio rehearsing his television program and observed working with study groups. He talks about his feelings towards his own two children and explains his intense desire to find a means of communicating with children honestly on their own terms.

THE CREATIVE PERSON - FRED ROGERS was produced for National Educational Television by its Pittsburgh affiliate, WQED-TV. Matt von Brauchitsch, producer-writer; editor: N. Spies; narrator: William Francisco; camera: PJ O'Connell. Producer for NET: Virginia Kassel

Title found on PBS-1994-Excel spreadsheet; therefore, assumed to be associated with acquisition report 7916.  

Source used: PBS Database; PBS-1994-Excel spreadsheet;
<instantiationIdentifier source="MAVIS Carrier Number" annotation="DigitalCarrier 1 of 1">2000440-5-1</instantiationIdentifier>
<instantiationIdentifier source="MAVIS Item ID" annotation="DigitalCarrier 1 of 1">7066322</instantiationIdentifier>
<instantiationIdentifier source="checksum using SHA-1">138ce4a73f768d8ade7626cf7d7a5e5794fa58c</instantiationIdentifier>
<instantiationLocation>URL: https://navccwebp1.loc.gov:8080/navcc/content/view.seam?id=1207697</instantiationLocation>
<instantiationFileSize unitsOfMeasure="bytes">361403638</instantiationFileSize>
<instantiationColors> Video Colour Space: SMPTE component</instantiationColors>
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</instantiationEssenceTrack>
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</PBCoreDescriptionDocument>

MediaInfo Digital Instantiation Record: This record is an example of the PBCore 2.1 output from MediaInfo.

<?xml version="1.0" encoding="UTF-8"?>
<!-- Generated at 2019-11-21T14:51:34Z by MediaInfoLib - v18.12 -->
<instantiationIdentifier source="File Name">IMG_9364.MOV</instantiationIdentifier>
<instantiationDate dateType="recorded">2015-02-24T10:51:26-0600</instantiationDate>
<instantiationDate dateType="file modification">2015-02-24T17:01:23Z</instantiationDate>
<instantiationDate dateType="encoded">2015-02-24T16:56:55Z</instantiationDate>
<instantiationDate dateType="tagged">2015-02-24T16:56:58Z</instantiationDate>
<instantiationDigital>video/mp4</instantiationDigital>
<instantiationStandard profile="QuickTime">MPEG-4</instantiationStandard>
<essenceTrackAnnotation annotationType="colour_description_present">Yes</essenceTrackAnnotation>
<essenceTrackAnnotation annotationType="colour_description_present_Source">Container / Stream</essenceTrackAnnotation>
<essenceTrackAnnotation annotationType="colour_range">Limited</essenceTrackAnnotation>
<essenceTrackAnnotation annotationType="colour_range_Source">Stream</essenceTrackAnnotation>
<essenceTrackAnnotation annotationType="colour_primaries">BT.601 NTSC</essenceTrackAnnotation>
<essenceTrackAnnotation annotationType="colour_primaries_Source">Container / Stream</essenceTrackAnnotation>
<essenceTrackAnnotation annotationType="transfer_characteristics">BT.709</essenceTrackAnnotation>
<essenceTrackAnnotation annotationType="transfer_characteristics_Source">Container / Stream</essenceTrackAnnotation>
<essenceTrackAnnotation annotationType="matrix_coefficients">BT.601</essenceTrackAnnotation>
<essenceTrackAnnotation annotationType="matrix_coefficients_Source">Container / Stream</essenceTrackAnnotation>
<essenceTrackAnnotation annotationType="Codec configuration box">avcC</essenceTrackAnnotation>
</instantiationEssenceTrack>
<instantiationEssenceTrack>
<essenceTrackType>Audio</essenceTrackType>
<essenceTrackIdentifier source="ID">1</essenceTrackIdentifier>
<essenceTrackIdentifier source="StreamKindID (MediaInfo)">0</essenceTrackIdentifier>
<essenceTrackIdentifier source="StreamOrder (MediaInfo)">0</essenceTrackIdentifier>
<essenceTrackEncoding source="codecid" ref="mp4a-40-2" annotation="compression_mode:Lossy">AAC</essenceTrackEncoding>
<essenceTrackDataRate unitsOfMeasure="bit/second" annotation="CBR">64000</essenceTrackDataRate>
<essenceTrackSamplingRate unitsOfMeasure="Hz">44100</essenceTrackSamplingRate>
<essenceTrackDuration>00:00:10:12</essenceTrackDuration>
<essenceTrackAnnotation annotationType="Format_AdditionalFeatures">LC</essenceTrackAnnotation>
<essenceTrackAnnotation annotationType="Source_Duration">10310</essenceTrackAnnotation>
<essenceTrackAnnotation annotationType="SamplesPerFrame">1024</essenceTrackAnnotation>
<essenceTrackAnnotation annotationType="FrameCount">442</essenceTrackAnnotation>
<essenceTrackAnnotation annotationType="Source_FrameCount">444</essenceTrackAnnotation>
<essenceTrackAnnotation annotationType="StreamSize">82094</essenceTrackAnnotation>
<essenceTrackAnnotation annotationType="Source_StreamSize">82286</essenceTrackAnnotation>
Yale Audio and Video Records: These records, contributed by Yale University Library, represent an audio and a video asset from their mass digitization project. Their audio PBCore was developed with the help of George Blood Audio Video Film Data, and their video PBCore with the assistance of Media Preserve.

Audio Record

<?xml version="1.0" encoding="UTF-8"?>
<pbcoreCollection xmlns="http://www.pbcore.org/PBCore/PBCoreNamespace.html"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.pbcore.org/PBCore/PBCoreNamespace.html
http://pbcore.org/xsd/pbcore-2.0.xsd" collectionTitle="Robert Shaw Papers"
collectionDescription="" collectionRef="" collectionDate=""/>
<pbcoreAssetType>12 inch lacquer disc</pbcoreAssetType>
<pbcoreAssetDate dateType="Item Creation Date">1948</pbcoreAssetDate>
<pbcoreIdentifier source="Yale University Library"
annotation="ArchivesSpace ID="/repositories/6/archival_objects/2685917</pbcoreIdentifier>
<pbcoreIdentifier source="Yale University Library"
annotation="Call #"/>mss_86</pbcoreIdentifier>
<pbcoreTitle

```xml
<essenceTrackAnnotation
annotationType="Source_StreamSize_Proportion">0.07936</essenceTrackAnnotation>
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<instantiationEssenceTrack>
<instantiationAnnotation
annotationType="FrameCount">308</instantiationAnnotation>
<instantiationAnnotation
annotationType="Encoded_Application">6.1.6</instantiationAnnotation>
<instantiationAnnotation annotationType="Encoded_Library">Apple QuickTime</instantiationAnnotation>
<instantiationAnnotation
annotationType="Make">Apple</instantiationAnnotation>
<instantiationAnnotation annotationType="Model">iPhone 3GS</instantiationAnnotation>
</pbcoreInstantiationDocument>
```
Part 1: My Romance, Part 2: Men of Horlech[?]; The Robert Shaw Chorale

CtY-Gilmore Music

1948

12 inch lacquer disc

Ch1, Ch2

Stereo; Ch1, Ch2

Soundcraft_Playback

ET 2.0

Cleaned Disc

Transferred by Brian Destremps; Audio Pops and/or Clicks, Audio Hiss

Yale University Library

mss_86_39002126525667_39002126525444_a

00:03:12

78

Audio

rpm
Quality Control was performed by George Blood Audio/Video/Film and included a spot check of content, as well as the validation of the folder nest, file name, duration, format variation, and metadata. 

Access

File Name: mss_86_39002126525667_39002126525444.u

Audio File: mss_86_39002126525667_39002126525444_a.u.mp3

Message Digest: d6a74315ad41689c9289e1a94588ba5e

Audio File Size: 7.33 MiB

Duration: 00:03:12

Audio Track:

- Essence Track Type: Audio
- Essence Track Standard: MPEG
- Essence Track Data Rate: 320 Kbps
- Essence Track Sampling Rate: 44.1 kHz
- Compression Mode: Lossy

Language: English

Metadata:

- Application: MIO Console 5.5.01.208
- Source Deck: Technics_SP-15; DA9J05A043
- Digitizer: Metric Halo LI08; 2601001
- Quality Control: George Blood Audio/Video/Film
- File Name: mss_86_39002126525667_39002126525444_a.u.mp3
- Message Digest: d6a74315ad41689c9289e1a94588ba5e
- File Size: 7.33 MiB
- Duration: 00:03:12
- Essence Track Type: Audio
- Essence Track Standard: MPEG
- Essence Track Data Rate: 320 Kbps
- Essence Track Sampling Rate: 44.1 kHz
- Compression Mode: Lossy
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<instantiationRelationIdentifier annotation="File Name">mss_86_39002126525667_39002126525444_a.mst.wav</instantiationRelationIdentifier>

<instantiationRelation>
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</instantiationRelation>

<instantiationPart>
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<instantiationLocation/>

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<essenceTrackSamplingRate unitsOfMeasure="kHz">44.1</essenceTrackSamplingRate>
<essenceTrackAnnotation>Compression Mode:Lossy</essenceTrackAnnotation>
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<instantiationRelationType source="PBCore relationType">Derived from</instantiationRelationType>

<instantiationRelationIdentifier annotation="File Name">mss_86_39002126525667_39002126525444_b.mst.wav</instantiationRelationIdentifier>

<instantiationRelation>
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</instantiationPart>
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</pbcoreDescriptionDocument>
Video Record

<?xml version="1.0" encoding="UTF-8"?>
<pbcoreCollection xmlns="http://www.pbcore.org/PBCore/PBCoreNamespace.html"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.pbcore.org/PBCore/PBCoreNamespace.html
https://raw.githubusercontent.com/WGBH/PBCore_2.1/master/pbcore-2.1.xsd"
collectionSource="Yale University Libraries"
collectionTitle="School of Architecture Yale University lectures and presentations">
  <pbcoreDescriptionDocument>
    <pbcoreAssetType>Media Object</pbcoreAssetType>
    <pbcoreAssetDate dateType="Created">4/10/2008</pbcoreAssetDate>
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annotation="Filename">ru_0880_s2008-a-115_b018</pbcoreIdentifier>
    <pbcoreIdentifier source="Yale University Libraries"
annotation="Originator">CtY-MSSA</pbcoreIdentifier>
    <pbcoreIdentifier source="Yale University Libraries" annotation="Call Number">ru_0880</pbcoreIdentifier>
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    <pbcoreTitle titleType="Main">Frank O. Gehry Eero Saarinen Visiting Professor "Work" 2008 April 10</pbcoreTitle>
    <pbcoreDescription>Yale Identifiers</pbcoreDescription>
    <pbcorePart>
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annotation="Filename">ru_0880_s2008-a-115_b018</pbcoreIdentifier>
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      <pbcoreDescription>Yale Filename and Title</pbcoreDescription>
      <pbcoreInstantiation>!---Physical Asset and Capture History---
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annotation="Identifier">ru_0880_s2008-a-115_b018</instantiationIdentifier>
        <instantiationPhysical>DVCAM</instantiationPhysical>
        <instantiationLocation/>
        <instantiationDuration>00:57:31</instantiationDuration>
        <instantiationColors>Color</instantiationColors>
        <instantiationTracks>Sound</instantiationTracks>
        <instantiationChannelConfiguration>SplitCh1: Mono; Ch2: Mono</instantiationChannelConfiguration>
        <instantiationEssenceTrack>
          <essenceTrackType>Video</essenceTrackType>
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        </instantiationEssenceTrack>
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        <instantiationAnnotation annotationType="Tape Model">DVCAM</instantiationAnnotation>
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<instantiationAnnotation annotationType="Physical condition of item"/>
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<instantiationAnnotation annotationType="Audio Quality">Good</instantiationAnnotation>
<instantiationAnnotation annotationType="Noise Reduction">N/A</instantiationAnnotation>
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<instantiationAnnotation annotationType="Source Deck Manufacturer">Sony</instantiationAnnotation>
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<instantiationAnnotation annotationType="Studio Transfer Method">Firewire</instantiationAnnotation>
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<instantiationAnnotation annotationType="Video Correction Device Manufacturer">N/A</instantiationAnnotation>
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<instantiationAnnotation annotationType="Video Correction Device Model Version">N/A</instantiationAnnotation>
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<instantiationAnnotation annotationType="Transfer Comments">Successful Native DV Ingest; Channel1 Mono; Channel2 Mono</instantiationAnnotation>

<instantiationIdentifier source="The MediaPreserve" annotation="file name">ru_0880_s2008-a-115_b018.mst.dv</instantiationIdentifier>
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</pbcoreInstantiation>

<instantiationMediaType>Moving Image</instantiationMediaType>
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<instantiationDate>UTC 2019-04-26 21:32:42</instantiationDate>

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<instantiationStandard>AVC Main@L3 - avc1</instantiationStandard>

<instantiationLocation></instantiationLocation>

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<instantiationGenerations>Access Copy</instantiationGenerations>

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  <essenceTrackDuration>00:57:31</essenceTrackDuration>
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  <essenceTrackAnnotation annotationType="Color Sampling">4:2:0</essenceTrackAnnotation>
  <essenceTrackAnnotation annotationType="Frame Size Vertical">480</essenceTrackAnnotation>
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</instantiationEssenceTrack>

<instantiationEssenceTrack>
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  <essenceTrackStandard>AAC(Low Complexity)</essenceTrackStandard>
  <essenceTrackSamplingRate unitsOfMeasure="kHz">44.1</essenceTrackSamplingRate>
  <essenceTrackBitDepth/><essenceTrackAnnotation annotationType="Audio Bit Rate">256Kbps</essenceTrackAnnotation>
  <essenceTrackAnnotation annotationType="Audio Schema">Compressed</essenceTrackAnnotation>
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<instantiationAnnotation annotationType="Computer Manufacturer">Dell</instantiationAnnotation>
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