

# CLUE Data Model

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# Data Model

- The basic information model
- Used in creating messages
- Suggestion- there are a few new things introduced, let's defer and discuss structure first

# Data Model Structure

- The **<CLUE-info>** element
  - o The **<capture-description>** element describes the captures
    - o The **<capture-scene>** element
    - o The **<simultaneous-transmission-set>** element
    - o The **<stream-description>** element
      - **<Encoding>**
      - **<Encoding-group>**



# Capture-scene

```
| --<capture-scene>  
|  
| | --<entry>  
| | | --<capture-id>  
| | | --<switch-policy>  
| | --<capture-scene-text>  
| | --<capture-scene-language>  
| | --<capture-scene-spatial-description>  
| | | --<capture-scene-area>  
| | | --<capture-scene-scale>  
| | --<future-capture-scene-attribute>
```

# Simultaneous Transmission Set

```
|--<simultaneous-transmission-set>  
  |  |--<entry>  
  |  |  |--<capture-id>
```

# Stream Description, Encoding

```
|--<stream-description>
|
|  |--<encoding>
|  |
|  |  |--<encoding-id>
|  |  |--<multiplex-id>
|  |  |--<AUDIO-RENDERING-ID>
|  |  |--<max-audio-bandwidth>
|  |  |--<max-video-bandwidth>
|  |  |--<max-H264-Mbps>
|  |  |--<max-width>
|  |  |--<max-height>
|  |  |--<max-frame-rate>
|  |  |--<future-encoding-attribute>
```

# Encoding Group

```
|  |--<encoding-group>
|  |      |--<encoding-group-id>
|  |      |--<entry>
|  |          |<video encoding>
|  |      |--<entry>
|  |          |<audio encoding>
|  |      |--<max-group-bandwidth>
|  |      |--<max-group-H264-<Mbps>
```