

# GSP-8670 - Viewing Modes

<b>Request:</b>	<a href="https://gspcloud.atlassian.net/browse/GSP-8670">https://gspcloud.atlassian.net/browse/GSP-8670</a>
<b>Epic:</b>	<a href="#">IOC-21033 - NBCU: 3.0 - NBA - Viewing Modes (GSP-8670)</a> AUGUST
<b>Status:</b>	PRE-PLANNING
<b>TDB Approved:</b>	NO
<b>Analyst:</b>	Jessup, Zak (Senior Technical Analyst)
<b>Slack Channel:</b>	#gsp-8670-viewing-modes
<b>Linked Tickets</b>	<p>Dependent on this ticket</p> <ul style="list-style-type: none"> <li>▪ <a href="https://gspcloud.atlassian.net/browse/GSP-9651">https://gspcloud.atlassian.net/browse/GSP-9651</a></li> <li>▪ <a href="https://gspcloud.atlassian.net/browse/GSP-9113">https://gspcloud.atlassian.net/browse/GSP-9113</a></li> </ul>
<b>Design</b>	Link
<b>E2E Analysis /Architecture</b>	<a href="https://gspcloud.atlassian.net/wiki/spaces/PTC/pages/427066584/Viewing+Modes">https://gspcloud.atlassian.net/wiki/spaces/PTC/pages/427066584/Viewing+Modes</a>
<b>Other domains Analysis /Architecture</b>	<p>CSI - GSP-8670 - Viewing Modes Overlay - Performance View</p> <p>Clients - <a href="https://gspcloud.atlassian.net/wiki/spaces/PTC/pages/427066584/Viewing+Modes">https://gspcloud.atlassian.net/wiki/spaces/PTC/pages/427066584/Viewing+Modes</a></p>

<b>Proposition:</b>	NBCU
<b>Territories:</b>	US
<b>Tool:</b>	Ingest
<b>Component:</b>	
<b>Dependencies:</b>	
<b>Slides</b>	

Jump To:

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## ⌚ Background/Objective:

Customizable viewing modes that enhance the live broadcast with real-time data, insights, and visual overlays tailored to different fan preferences.

## 📋 Requirements:

Customizable viewing modes that enhance the live broadcast with real-time data, insights, and visual overlays tailored to different fan preferences.

The Viewing Modes feature empowers users to customize their live sports experience by toggling between tailored visual modes during the broadcast. Each mode enhances the experience by addressing different fan needs: advanced stats for avid fans, simplified views for newcomers, or interactive elements for casual fans. Users seamlessly toggle modes through the player UI, with mode-specific treatments developed alongside production teams and third-party vendors for real-time data overlays.

The objective is to provide users control over their viewing experience by offering customizable modes that present tailored information, making live sports broadcasts more engaging, insightful, and entertaining.

## 📊 Analysis:

ATOM Impacts 02 Apr 2025

ATOM Global Ingest =

- New contentExperienceFeature into ATOM - sky:sle:viewingmode
  - SLE 2 will come in with this
- New relation on SLE's
  - = viewingModes
  - = parent\_viewingModes
- New entry withinlinkedObject
  - = link to SLE 1
  - SLE 2 will have thelinkedObject with a reference to SLE 1
  - ATOM will then need to link SLE 2 to SLE 1 within the new relation
  - SLE 1 will be the parent

The relations based on the linkedObject - this would impact the curator  
the linkedObject will be the parent SLE's pvid (but this is TO BE CONFIRMED next week)  
We do not have the functionality currently to link SLE's  
SERIES, SEASON, EPISODE we do  
LF to SF we do

ATOM Calypso Adapter Work =

- A way to show the new relation
  - = new parameter expansion
  - = viewingModes
  - = parent\_viewingModes
- new CEF should be published

ATOM Syndication Work =

- New relation against SLE's
  - = viewingModes
  - = show linked object
- New CEF to be present on SLE's

Frontend work -

- New Tab to show the linked SLE's
- New Search Filter Option to show the linked SLE's - viewingMode ??

#### THINGS TO NOTE

The courtside SLE event that is set up will also have a link to the parent  
But a different CEF = courtside

#### 🤔 RAID:

ID	Type	Description	Notes	Status
001	Assumption	Only viewModes is currently in Scope		CLOSED
002	Assumption	Courtside CEF is not an MVP requirement and is being considered a fast follow, but if delivered - will likely be done in the same way and will exist on SLE's with the viewModes CEF and be driven off of linkedObjects		CLOSED
003	Assumption	Parent SLE will not have the contentExperienceFeature		OPEN
004	Assumption	Parent SLE will not have a linkedObject, only child SLE's will		OPEN

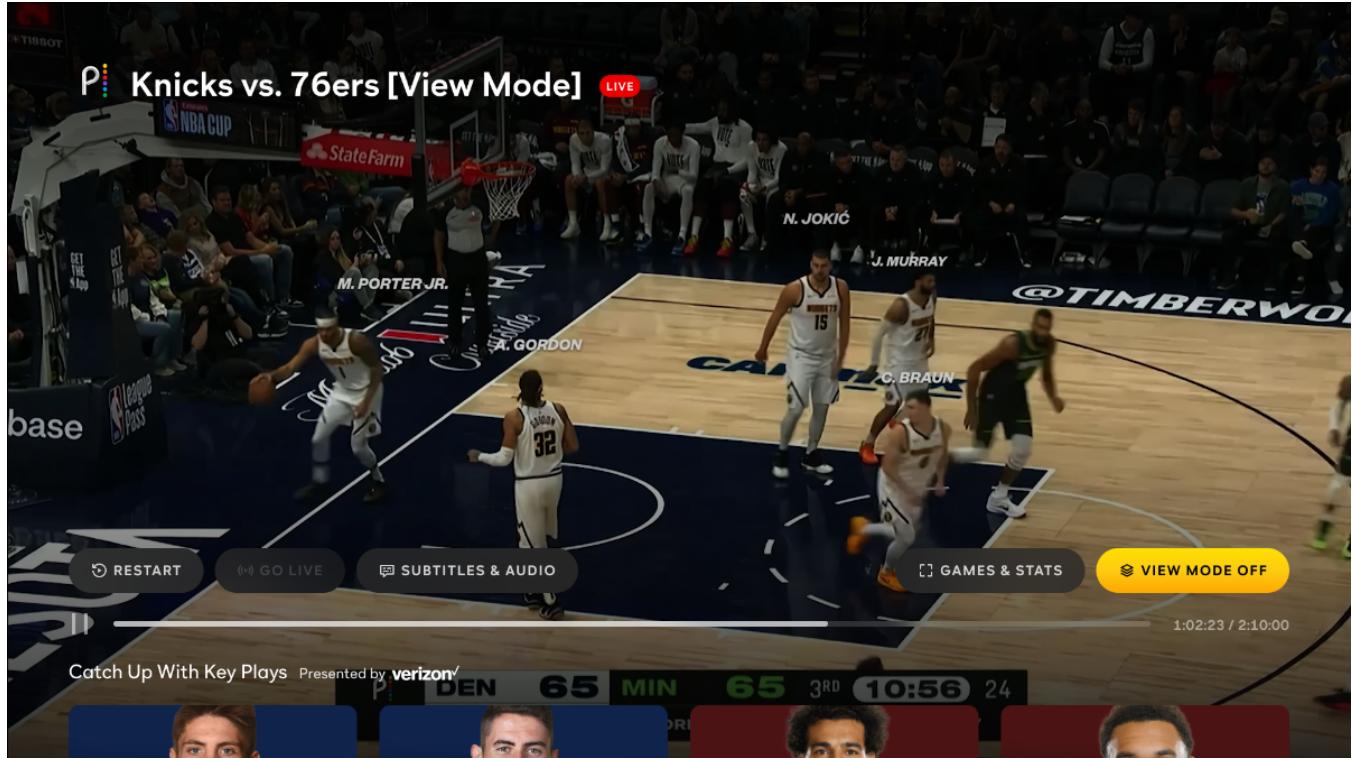
#### ❓ Questions:

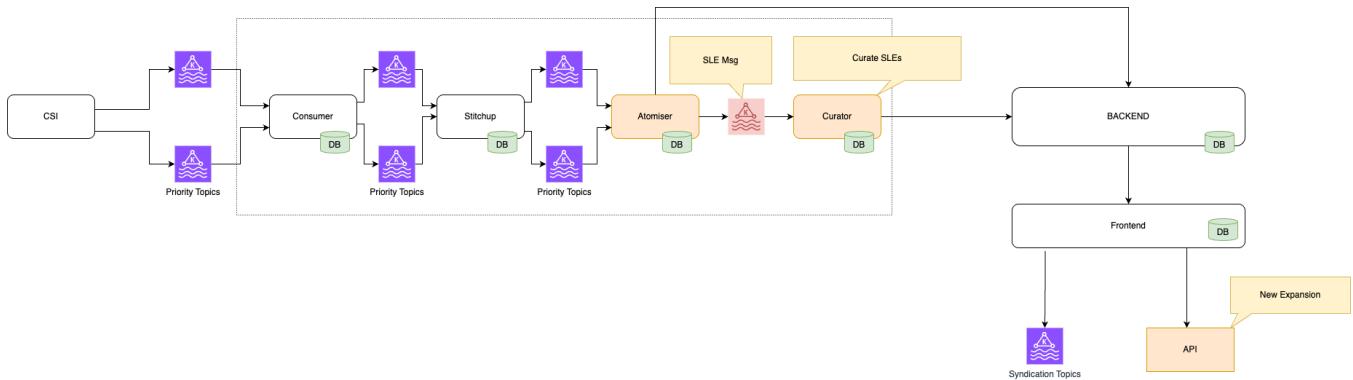
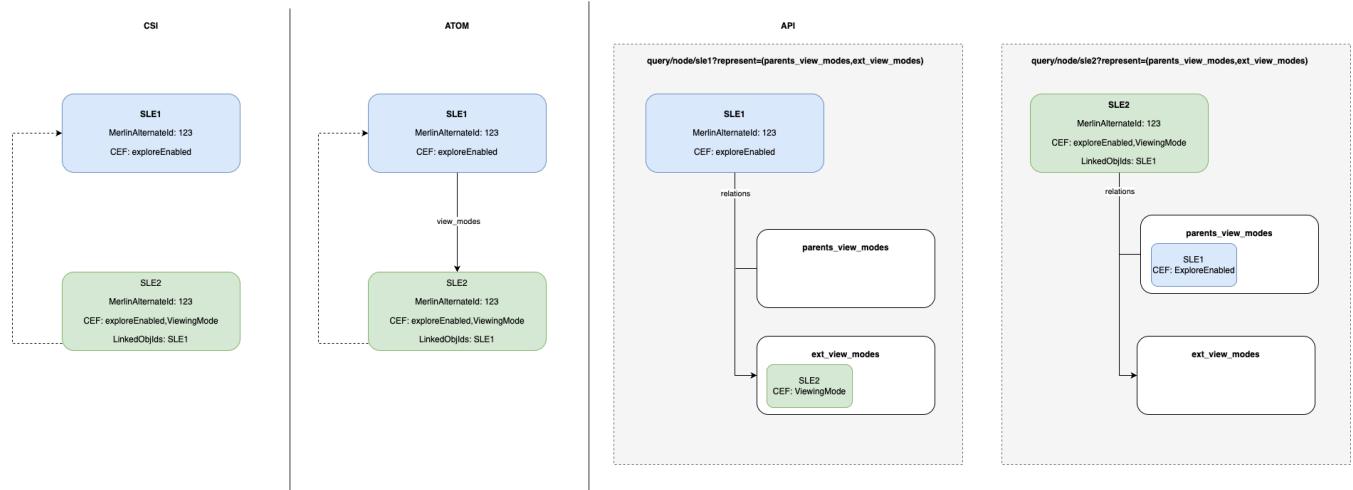
ID	Question	Answer	Status	Raised By
Q001	How will SLE's be flagged as having the viewingMode feature?	There will be a new contentExperienceFeature type sent on SLE's that will need to be linked for the viewModes feature	CLOSED	Jessup, Zak (Senior Technical Analyst)
Q002	How will the SLE's be linked?	The linkedObjects array will need to be used by ATOM to create the link between parent / child SLE's	CLOSED	Jessup, Zak (Senior Technical Analyst)
Q003	Will all linked SLE's have the contentExperienceFeatures and linkedObjects or will it only be the children?		OPEN	Jessup, Zak (Senior Technical Analyst)

Q004	What should we name the Tab that shows the SLE link in ATOM Editor?	<a href="#">OPEN</a>	Jessup, Zak (Senior Technical Analyst)
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## Solution Description:

### High Level Design:





With the introduction of this new feature, the product aims to support secondary SLEs that provide additional viewing modes associated with a particular primary SLE. These secondary SLEs serve as supplementary content, offering different ways to view or interact with the main SLE.

Within the metadata supply chain, this process will involve the creation of one primary SLE (the main event) and at least one secondary SLE (the child event). The child SLE will be configured with a `contentExperienceFeatures` attribute set to "sky:sle:viewingmode". Additionally, the child SLE will include a `linkedObject` that connects it directly to the parent SLE, ensuring a clear relationship between the main event and its secondary viewing modes.

ATOM will play a critical role in this process by linking and curating the child SLEs to their respective main SLEs within the Curator component. This ensures that the relationship between primary and secondary SLEs is established and managed appropriately.

In the Frontend Client API, ATOM will introduce functionality to enhance data retrieval. When a user requests a parent SLE, the API will enable fetching not only the main SLE but also all associated child SLEs. Conversely, when interacting with a child SLE, the API will allow access to the parent SLE as well as its sibling SLEs (other child events linked to the same parent). This functionality ensures a seamless experience for users by providing access to the complete hierarchy of related SLEs.

## Global Ingest

### ATOMISER :

1. To send SLE update's from the ATOMISER to CURATOR
2. Add ContentExperienceFeature to the curator message

### CURATOR:

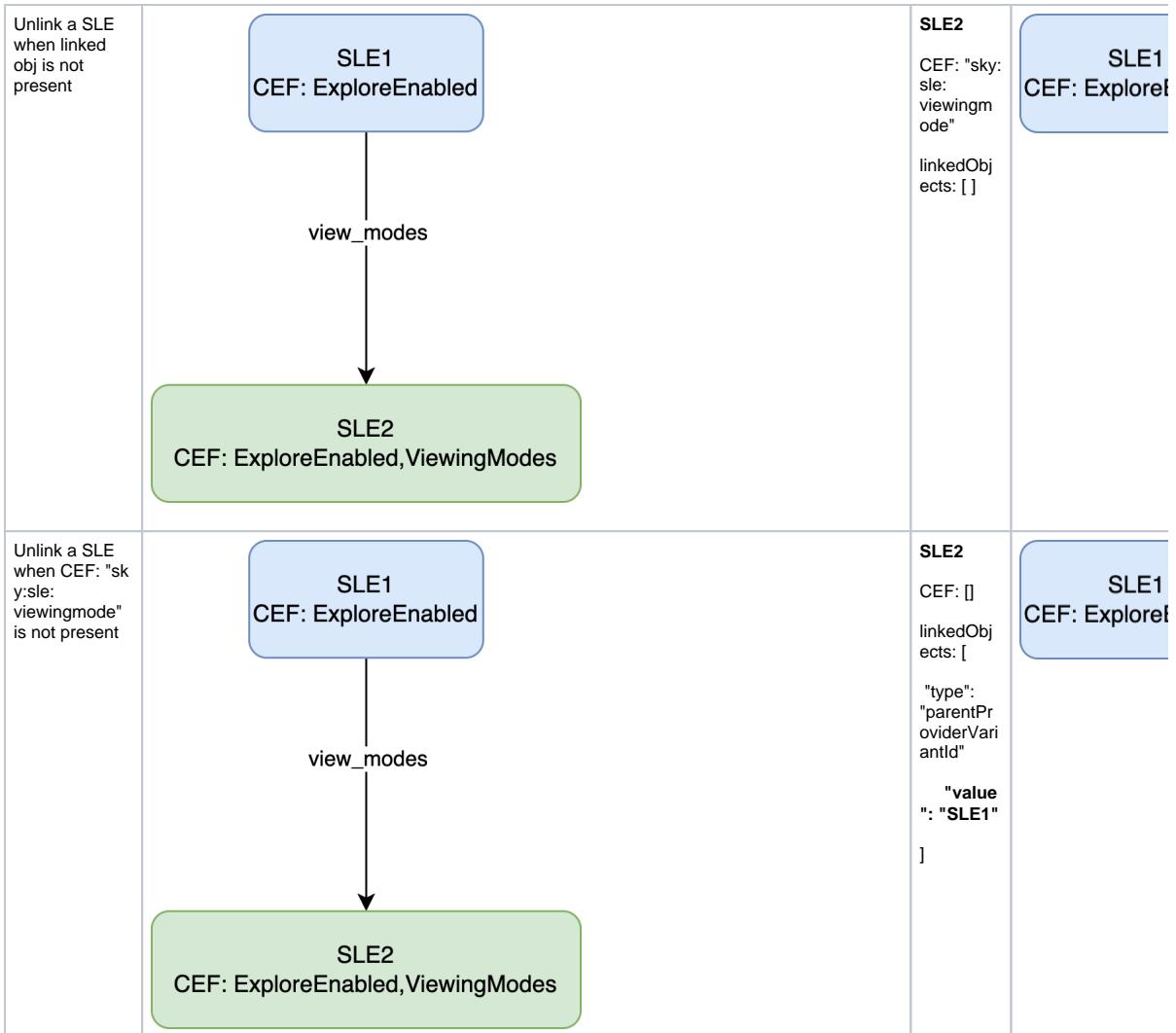
1. Curate SLE's that contain `contentExperienceFeatures = "sky:sle:viewingmode"` and that have the `linkedObject` to the parent SLE.
2. Scenarios

a. Description	ATOM STATE	CSI UPDATE	ATOM POST UPD
----------------	------------	------------	---------------

Main SLE present & child SLE update from CSI	SLE1 CEF: ExploreEnabled	SLE2 CEF: "sky:sle:viewingmode" linkedObjects: [ "type": "parentProviderVariantId" "value": "SLE1" ]	CEF: E
Child SLE present in ATOM and the Main SLE arrives	SLE2 CEF: ViewingModes linkedObjects: SLE1	SLE1 CEF: "sky:sle:exploreEnabled" linkedObjects: []	CEF: E
Link to a new SLE	SLE1 CEF: ExploreEnabled	SLE2 CEF: "sky:sle:viewingmode" linkedObjects: [ "type": "parentProviderVariantId" "value": "SLE3" ]	CEF: Explore
	SLE3 CEF: ExploreEnabled	SLE1 CEF: ExploreEnabled,ViewModes	SLE1 CEF: ExploreEnabled

```

graph TD
    SLE1[SLE1<br>CEF: ExploreEnabled] --> SLE2[SLE2<br>CEF: ViewingModes<br>linkedObjects: SLE1]
    SLE2 --> SLE1[SLE1<br>CEF: ExploreEnabled]
    SLE2 --> SLE3[SLE3<br>CEF: ExploreEnabled]
    SLE3 --> SLE1[SLE1<br>CEF: ExploreEnabled,ViewModes]
  
```

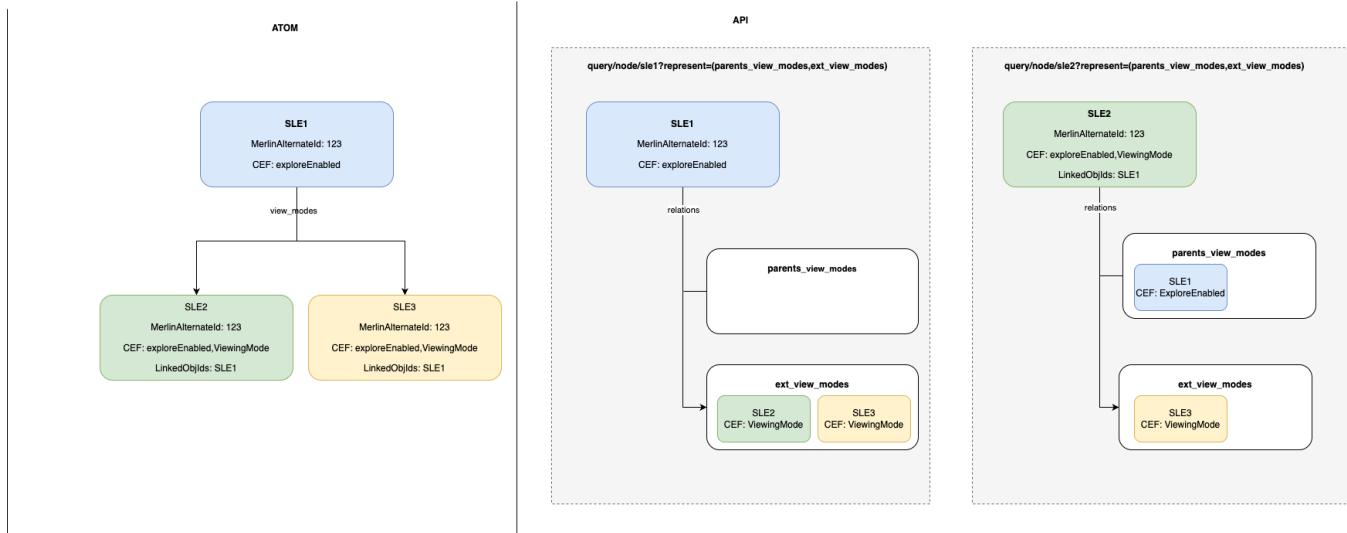


## Backend

- Allow for the new `view_modes` SLE relationship

FrontEnd

API



represent query	internal adapter expansion	logic
query/node/sle/sle_nodeid?represent=( <b>parents_view_modes</b> )	( <b>parents_view_modes</b> )	the parent view mode sle
query/node/sle/sle_nodeid?represent=( <b>ext_view_modes</b> )	( <b>view_modes</b> , <b>parents_view_modes</b> ( <b>view_modes</b> ))	if query sle is <ul style="list-style-type: none"> <li>parent - return all children</li> <li>child sle - return all siblings</li> </ul>

### Syndication

- No spec changes
- New SLE relation

## Low Level Design:

### ATOM Global Ingest:

**new contentExperienceFeature: sky:sle:viewingmode**

```
"contentExperienceFeatures": [
    "sky:sle:viewingmode"
],
```

**new linkedObject to link SLE's together: TBC**

```
"linkedObject": [
    {
        "object": "SLE1",
        "type": "parentProviderVariantId"
    }
],
```

### ATOM Editor:

ATOM

Dashboard > Asset Management > Edit Asset

**Man United v. Man City ☆**

Info English Content Markers Entities History PDP Binge Linked Assets Collections Campaign

External Ids

Source	Id	Format
Content Id	PCKSLE:5017617	HD
Merlin Alternate Id	5017617	N/A
Merlin Id	474599521652600712	N/A
Programme UUID	30ae6b72-cd10-30b0-87d3-df3e99d81f24	N/A
Provider variant id	9b51935a-34c2-38af-bfa6-10d5a7e7d53c	N/A
Nbcu Series Id		N/A
Nbcu Id		N/A

Nbcu Id		Nbcu Series Id	
Provider Variant Id	36	Programme UUID	36
9b51935a-34c2-38af-bfa6-10d5a7e7d53c		30ae6b72-cd10-30b0-87d3-df3e99d81f24	
Merlin Id	19	Content Id	14
474599521652600712		PCKSLE:5017617	

Back Reset Unpublish Save

#### ATOM Calypso Adapter:

```
},
  "relationships": {
    "parents_view_modes": {
      "data": [Linked SLE would then show within this]
    }
    "ext_view_modes": {
      "data": [Linked SLE would then show within this]
    }
  }
}
```

#### **Example of the main SLE:**

Main SLE

```
{
  "links": {
    "self": "/adapter-calypso/v3/query/node/48dfe362-10d0-11f0-ada9-7b787a2772d5"
  },
  "id": "48dfe362-10d0-11f0-ada9-7b787a2772d5",
  "type": "ASSET/SLE",
  "childTypes": {
    "images": {
      "nodeTypes": [
        "CMS/IMAGE/MASTER"
      ],
      "count": 5
    },
    "binge": {
      "nodeTypes": [
        "ASSET/SLE",
        "ASSET/LINEAR_SLOT",
        "ASSET/PROGRAMME",
        "CATALOGUE/SERIES"
      ],
      "count": 8
    }
  }
}
```

```
},
"events": {
  "nodeTypes": [
    "SPORT/EVENT"
  ],
  "count": 2
}
},
"attributes": {
  "GSTContributionId": "5017703",
  "airingType": "Live",
  "audioDescribed": false,
  "badging": {
    "videoFormats": [
      {
        "videoFormat": "HD",
        "colourSpaces": [
          "SDR"
        ]
      }
    ]
  },
  "cast": [
    ""
  ],
  "channel": {
    "accessChannel": "7728061817102576105",
    "name": "National Broadcasting Company"
  },
  "childNodeTypes": [
    "ASSET/LINEAR_SLOT",
    "ASSET/PROGRAMME",
    "ASSET/SLE",
    "CATALOGUE/SERIES",
    "CMS/IMAGE/MASTER",
    "SPORT/EVENT"
  ],
  "classification": [
    "SPORTS"
  ],
  "closedCaptioned": false,
  "contentExperienceFeatures": [
    "sky:sle:explore"
  ],
  "contentSegments": [
    "D2C"
  ],
  "createdDate": 1743714750536,
  "deviceAvailabilities": [
    {
      "format": "HD",
      "mediaType": "SLE",
      "offerStage": "UPCOMING",
      "offerStartTs": 1740780000000,
      "offerEndTs": 1744471800000,
      "customerPlayableDateTime": 1744471800000,
      "streamable": true,
      "downloadable": true,
      "contentSegment": "D2C",
      "videoFormat": "HD",
      "videoFormatVariant": "SDR",
      "colourSpace": "SDR"
    }
  ],
  "deviceAvailability": {
    "available": true
  },
  "director": [
    ""
  ],
  "displayStartTime": 1744475400000,
```

```
"durationMilliseconds": 9000000,
"durationMinutes": 150,
"durationSeconds": 9000,
"eventDetails": {
    "eventStage": "UPCOMING",
    "eventVisibilityStartDate": 1740780000000,
    "eventPlayableStartDate": 1744471800000,
    "eventPlayableEndDate": 1744657200000,
    "eventDisplayStartDate": 1744475400000,
    "eventDisplayEndDate": 1744484400000
},
"eventLinks": [
    {
        "type": "SPORT",
        "subType": "EVENT",
        "source": "SPORT_MODEL_ID",
        "value": "ba660dd7-d8f6-3dd8-8ce2-15ad7b85259f",
        "collection": "events"
    },
    {
        "type": "SPORT",
        "subType": "EVENT",
        "source": "SPORT_MODEL_ID",
        "value": "51767bae-b7d0-3125-b940-4537b5343d1d",
        "collection": "events"
    }
],
"exploreEnabled": true,
"formats": {
    "HD": {
        "chapterMarkers": [],
        "eventStage": "UPCOMING",
        "contentId": "PCKSLE:5017703",
        "availability": {
            "available": true,
            "mediaType": "SLE",
            "offerStage": "UPCOMING",
            "offerStartTs": 1740780000000,
            "offerEndTs": 1744471800000,
            "customerPlayableDateTime": 1744471800000,
            "streamable": true,
            "downloadable": true,
            "availableDevices": [
                {
                    "type": "COMPUTER",
                    "platform": "MAC"
                },
                {
                    "type": "COMPUTER",
                    "platform": "PC"
                },
                {
                    "type": "CONSOLE",
                    "platform": "PLAYSTATION"
                },
                {
                    "type": "CONSOLE",
                    "platform": "XBOX"
                },
                {
                    "type": "IPSETTOPBOX",
                    "platform": "APPLETV"
                },
                {
                    "type": "IPSETTOPBOX",
                    "platform": "CHROMECAST"
                },
                {
                    "type": "IPSETTOPBOX",
                    "platform": "FIRETV"
                }
            ]
        }
    }
}
```

```
{
  "type": "IPSETTOPBOX",
  "platform": "FIRETV-KEPLER"
},
{
  "type": "IPSETTOPBOX",
  "platform": "RDK"
},
{
  "type": "IPSETTOPBOX",
  "platform": "XFINITY-FLEX"
},
{
  "type": "IPSETTOPBOX",
  "platform": "XFINITY-X1"
},
{
  "type": "IPSTB",
  "platform": "ROKU"
},
{
  "type": "MOBILE",
  "platform": "ANDROID"
},
{
  "type": "MOBILE",
  "platform": "IOS"
},
{
  "type": "SETTOPBOX",
  "platform": "ROKU"
},
{
  "type": "TABLET",
  "platform": "ANDROID"
},
{
  "type": "TABLET",
  "platform": "FIRETV-KEPLER"
},
{
  "type": "TABLET",
  "platform": "IOS"
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  "platform": "ANDROIDTV"
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{
  "type": "TV",
  "platform": "HISENSE-VIDAA"
},
{
  "type": "TV",
  "platform": "LG"
},
{
  "type": "TV",
  "platform": "SAMSUNG"
},
{
  "type": "TV",
  "platform": "VIZIO"
}
],
"extendedOfferStartTs": 1740780000000,
"extendedOfferEndTs": 1744657200000,
"contentSegment": "D2C",
"videoFormat": "HD",
"videoFormatVariant": "SDR",
"colourSpace": "SDR"
```

```

        },
        "startOfCredits": 8970000
    }
},
"genreData": [
{
    "subgenre": {
        "code": "40",
        "id": "Premier League",
        "title": "Premier League",
        "primary": true
    },
    "genre": {
        "code": "7",
        "id": "Sports",
        "title": "Sports",
        "primary": true
    }
},
{
    "subgenre": {
        "code": "29",
        "id": "Soccer",
        "title": "Soccer",
        "primary": false
    },
    "genre": {
        "code": "7",
        "id": "Sports",
        "title": "Sports",
        "primary": false
    }
}
],
"genreList": [
{
    "subgenre": [
        "Premier League"
    ],
    "genre": [
        "Sports"
    ]
},
{
    "subgenre": [
        "Soccer"
    ],
    "genre": [
        "Sports"
    ]
}
],
"genres": [
    "Premier League",
    "Soccer"
],
"gonzalezRightsMediaType": [
    "SLE"
],
"images": [
{
    "url": "https://imageservice.disco.peacocktv.com/pcms/76b64066-b0fd-11ef-b81d-87cf576dafb0/LAND_16_9?proposition=NBCUOTT&language=eng&versionId=1f3e394c-8f6a-519d-99c3-c116c29527ab&territory=US",
    "type": "landscape"
},
{
    "url": "https://imageservice.disco.peacocktv.com/pcms/2a428072-126a-11f0-8d62-0b63df5261c1/LAND_16_9?proposition=NBCUOTT&language=eng&versionId=e56c8575-f5e5-5807-aab0-013705e0e976&territory=US",
    "type": "titleArt169"
}
]

```

```
        "url": "https://imageservice.disco.peacocktv.com/pcms/0f4717d2-bf19-11ef-8c43-e70a607c2ad7/BOXART?proposition=NBCUOTT&language=eng&versionId=6a38f4c5-7c38-544f-903c-99d55bd4b6f4&territory=US",
        "type": "nonTitleArt34"
    },
    {
        "url": "https://imageservice.disco.peacocktv.com/pcms/3c499c74-126a-11f0-8c41-4f46d63387ab/BOXART?proposition=NBCUOTT&language=eng&versionId=0ae1cb41-d1a7-55ca-ba84-4ef3079812fe&territory=US",
        "type": "titleArt34"
    },
    {
        "url": "https://imageservice.disco.peacocktv.com/uuid/7f913603-17ec-3bb3-a25e-c130d765c9ce/TITLE_TREATMENT?language=eng&territory=US&proposition=NBCUOTT&version=d9d07991-e954-3e2d-812a-2648bd023184",
        "type": "titleLogo"
    }
],
"merlinAlternateId": "5017703",
"merlinId": "5907372633902371112",
"producer": [
    ""
],
"programmeUuid": "7f913603-17ec-3bb3-a25e-c130d765c9ce",
"providerId": "7728061817102576105",
"providerName": "NBC",
"providerVariantId": "f42d59d2-b062-34f3-87c9-6cd4efce608c",
"runtime": "02:30:00",
"sectionNavigation": "ENTERTAINMENT",
"slug": "/sports/arsenal-v.-brentford/f42d59d2-b062-34f3-87c9-6cd4efce608c",
"sortTitle": "arsenal v. brentford",
"subtitled": false,
"synopsis": "Arsenal goes head-to-head with the Bees at Emirates in Matchweek 32.",
"synopsisLong": "Arsenal goes head-to-head with the Bees at Emirates in Matchweek 32.",
"synopsisShort": "Arsenal goes head-to-head with the Bees at Emirates in Matchweek 32.",
"title": "Arsenal v. Brentford",
"titleLong": "Arsenal v. Brentford",
"titleMedium": "Arsenal v. Brentford",
"year": 2025
},
"relationships": {
    "parents_view_modes": {
        "data": []
    },
    "ext_view_modes": {
        "data": [
            {
                "links": {
                    "self": "/adapter-calypso/v3/query/node/04b9f492-b9e7-11ef-871a-83163fd8acf0"
                },
                "id": "04b9f492-b9e7-11ef-871a-83163fd8acf0",
                "type": "ASSET/SLE",
                "childTypes": {
                    "images": {
                        "nodeTypes": [
                            "CMS/IMAGE/MASTER"
                        ],
                        "count": 7
                    },
                    "binge": {
                        "nodeTypes": [
                            "ASSET/SLE"
                        ],
                        "count": 1
                    },
                    "events": {
                        "nodeTypes": [
                            "SPORT/EVENT"
                        ],
                        "count": 1
                    }
                },
                "attributes": {
                    "airingType": "Live",
                    "isMainImage": true
                }
            }
        ]
    }
}
```

```
"audioDescribed": false,
"badging": {
    "videoFormats": [
        {
            "videoFormat": "HD",
            "colourSpaces": [
                "SDR"
            ]
        }
    ]
},
"cast": [
    ""
],
"channel": {
    "accessChannel": "7728061817102576105",
    "name": "National Broadcasting Company"
},
"childNodeTypes": [
    "ASSET/SLE",
    "CMS/IMAGE/MASTER",
    "SPORT/EVENT"
],
"classification": [
    "SPORTS"
],
"closedCaptioned": false,
"contentExperienceFeatures": [
    "sky:sle:viewingMode",
    "sky:sle:explore"
],
"contentSegments": [
    "D2C"
],
"createdDate": 1734158733962,
"deviceAvailabilities": [
    {
        "format": "HD",
        "mediaType": "SLE",
        "offerStage": "UPCOMING",
        "offerStartTs": 1726683480000,
        "offerEndTs": 1744480800000,
        "customerPlayableDateTime": 1744480800000,
        "streamable": true,
        "downloadable": true,
        "contentSegment": "D2C",
        "videoFormat": "HD",
        "videoFormatVariant": "SDR",
        "colourSpace": "SDR"
    }
],
"deviceAvailability": {
    "available": true
},
"director": [
    ""
],
"displayStartTime": 1744484400000,
"durationMilliseconds": 10800000,
"durationMinutes": 180,
"durationSeconds": 10800,
"eventDetails": {
    "eventStage": "UPCOMING",
    "eventVisibilityStartDate": 1726683480000,
    "eventPlayableStartDate": 1744480800000,
    "eventPlayableEndDate": 1744668000000,
    "eventDisplayStartDate": 1744484400000,
    "eventDisplayEndDate": 1744495200000
},
"eventLinks": [
    {

```

```
        "type": "SPORT",
        "subType": "EVENT",
        "source": "SPORT_MODEL_ID",
        "value": "a96e8980-6373-3cde-88c5-cd03e5320498",
        "collection": "events"
    }
],
"exploreEnabled": true,
"formats": {
    "HD": {
        "chapterMarkers": [],
        "eventStage": "UPCOMING",
        "contentId": "PCKSLE:5015650",
        "availability": {
            "available": true,
            "mediaType": "SLE",
            "offerStage": "UPCOMING",
            "offerStartTs": 1726683480000,
            "offerEndTs": 1744480800000,
            "customerPlayableDateTime": 1744480800000,
            "streamable": true,
            "downloadable": true,
            "availableDevices": [
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                    "type": "COMPUTER",
                    "platform": "MAC"
                },
                {
                    "type": "COMPUTER",
                    "platform": "PC"
                },
                {
                    "type": "CONSOLE",
                    "platform": "PLAYSTATION"
                },
                {
                    "type": "CONSOLE",
                    "platform": "XBOX"
                },
                {
                    "type": "IPSETTOPBOX",
                    "platform": "APPLETV"
                },
                {
                    "type": "IPSETTOPBOX",
                    "platform": "CHROMECAST"
                },
                {
                    "type": "IPSETTOPBOX",
                    "platform": "FIRETV"
                },
                {
                    "type": "IPSETTOPBOX",
                    "platform": "FIRETV-KEPLER"
                },
                {
                    "type": "IPSETTOPBOX",
                    "platform": "RDK"
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                {
                    "type": "IPSETTOPBOX",
                    "platform": "XFINITY-FLEX"
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                {
                    "type": "IPSETTOPBOX",
                    "platform": "XFINITY-X1"
                },
                {
                    "type": "IPSTB",
                    "platform": "ROKU"
                }
            ]
        }
    }
}
```

```
{
    "type": "MOBILE",
    "platform": "ANDROID"
},
{
    "type": "MOBILE",
    "platform": "IOS"
},
{
    "type": "SETTOPBOX",
    "platform": "ROKU"
},
{
    "type": "TABLET",
    "platform": "ANDROID"
},
{
    "type": "TABLET",
    "platform": "FIRETV-KEPLER"
},
{
    "type": "TABLET",
    "platform": "IOS"
},
{
    "type": "TV",
    "platform": "ANDROIDTV"
},
{
    "type": "TV",
    "platform": "HISENSE-VIDAA"
},
{
    "type": "TV",
    "platform": "LG"
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},
{
    "type": "TV",
    "platform": "VIZIO"
}
],
"extendedOfferStartTs": 1726683480000,
"extendedOfferEndTs": 1744668000000,
"contentSegment": "D2C",
"videoFormat": "HD",
"videoFormatVariant": "SDR",
"colourSpace": "SDR"
},
"startOfCredits": 10770000
}
},
"genreData": [
{
    "subgenre": {
        "code": "57",
        "id": "Supercross",
        "title": "Supercross",
        "primary": true
    },
    "genre": {
        "code": "7",
        "id": "Sports",
        "title": "Sports",
        "primary": true
    }
}
]
```

```

"genreList": [
    {
        "subgenre": [
            "Supercross"
        ],
        "genre": [
            "Sports"
        ]
    }
],
"genres": [
    "Supercross"
],
"gonzalezRightsMediaType": [
    "SLE"
],
"images": [
    {
        "url": "https://imageservice.disco.peacocktv.com/pcms/9e727456-bb31-11ef-8861-f3c377293def
/LAND_16_9?proposition=NBCUOTT&language=eng&versionId=7714023f-2750-5948-8905-c834724de5d0&territory=US",
        "type": "landscape"
    },
    {
        "url": "",
        "type": "portrait"
    },
    {
        "url": "",
        "type": "midsize"
    },
    {
        "url": "https://imageservice.disco.peacocktv.com/uuid/d9fa1562-ebf4-3117-a9ac-532b338dbec5
/TITLE_ART_16_9?language=eng&territory=US&proposition=NBCUOTT&version=b5039a99-5513-309a-8c0f-f502726459a4",
        "type": "titleArt169"
    },
    {
        "url": "https://imageservice.disco.peacocktv.com/pcms/cd02a020-bb31-11ef-88d6-cbd03354925f
/BOXART?proposition=NBCUOTT&language=eng&versionId=5ad2f577-b44e-5283-974f-e1ae7dcf6faa&territory=US",
        "type": "nonTitleArt34"
    },
    {
        "url": "https://imageservice.disco.peacocktv.com/pcms/e2f38f20-bb31-11ef-894b-33fd8dede032
/BOXART?proposition=NBCUOTT&language=eng&versionId=e011e2ee-0809-55c3-89c6-dd9d2ddd6e66&territory=US",
        "type": "titleArt34"
    },
    {
        "url": "https://imageservice.disco.peacocktv.com/pcms/801cd97e-bb31-11ef-87ec-2b0d5ecd60ed
/AGG_SOURCE?proposition=NBCUOTT&language=eng&versionId=d76151b8-0bca-5967-8e5e-67fc5e33a266&territory=US",
        "type": "titleLogo"
    }
],
"merlinAlternateId": "5015650",
"merlinId": "723751370265555112",
"producer": [
    ""
],
"programmeUuid": "d9fa1562-ebf4-3117-a9ac-532b338dbec5",
"providerId": "7728061817102576105",
"providerName": "NBC",
"providerVariantId": "e9762019-alcc-333a-9314-a78852b1f40e",
"runtime": "03:00:00",
"sectionNavigation": "ENTERTAINMENT",
"slug": "/sports/supercross-rd.-13-philadelphia/e9762019-alcc-333a-9314-a78852b1f40e",
"sortTitle": "supercross rd. 13: philadelphia",
"subtitled": false,
"synopsis": "Racers compete in Round 13 of the Monster Energy AMA Supercross Championship in Philadelphia, part of the SuperMotocross World Championship Series™.",
"synopsisLong": "Racers compete in Round 13 of the Monster Energy AMA Supercross Championship in Philadelphia, part of the SuperMotocross World Championship Series™.",
"synopsisShort": "Racers compete in Round 13 of the Monster Energy AMA Supercross Championship in Philadelphia, part of the SuperMotocross World Championship Series™."

```

```
        "title": "Supercross Rd. 13: Philadelphia",
        "titleLong": "Supercross Rd. 13: Philadelphia",
        "titleMedium": "Supercross Rd. 13: Philadelphia",
        "year": 2025
    }
}
]
}
}
```

### **Example of the child SLE:**

## Example

```
"links": {
  "self": "/adapter-calypso/v3/query/node/04b9f492-b9e7-11ef-871a-83163fd8acf0"
},
"id": "04b9f492-b9e7-11ef-871a-83163fd8acf0",
"type": "ASSET/SLE",
"childTypes": {
  "images": {
    "nodeTypes": [
      "CMS/IMAGE/MASTER"
    ],
    "count": 7
  },
  "binge": {
    "nodeTypes": [
      "ASSET/SLE"
    ],
    "count": 1
  },
  "events": {
    "nodeTypes": [
      "SPORT/EVENT"
    ],
    "count": 1
  }
},
"attributes": {
  "airingType": "Live",
  "audioDescribed": false,
  "badging": {
    "videoFormats": [
      {
        "videoFormat": "HD",
        "colourSpaces": [
          "SDR"
        ]
      }
    ]
  },
  "cast": [
    ""
  ],
  "channel": {
    "accessChannel": "7728061817102576105",
    "name": "National Broadcasting Company"
  },
  "childNodeTypes": [
    "ASSET/SLE",
    "CMS/IMAGE/MASTER",
    "SPORT/EVENT"
  ],
  "classification": [
    ""
  ]
}
```

```
        "SPORTS"
    ],
    "closedCaptioned": false,
    "contentExperienceFeatures": [
        "sky:sle:viewingMode",
        "sky:sle:explore"
    ],
    "contentSegments": [
        "D2C"
    ],
    "createdDate": 1734158733962,
    "deviceAvailabilities": [
        {
            "format": "HD",
            "mediaType": "SLE",
            "offerStage": "UPCOMING",
            "offerStartTs": 1726683480000,
            "offerEndTs": 1744480800000,
            "customerPlayableDateTime": 1744480800000,
            "streamable": true,
            "downloadable": true,
            "contentSegment": "D2C",
            "videoFormat": "HD",
            "videoFormatVariant": "SDR",
            "colourSpace": "SDR"
        }
    ],
    "deviceAvailability": {
        "available": true
    },
    "director": [
        ""
    ],
    "displayStartTime": 1744484400000,
    "durationMilliseconds": 10800000,
    "durationMinutes": 180,
    "durationSeconds": 10800,
    "eventDetails": {
        "eventStage": "UPCOMING",
        "eventVisibilityStartDate": 1726683480000,
        "eventPlayableStartDate": 1744480800000,
        "eventPlayableEndDate": 1744668000000,
        "eventDisplayStartDate": 1744484400000,
        "eventDisplayEndDate": 1744495200000
    },
    "eventLinks": [
        {
            "type": "SPORT",
            "subType": "EVENT",
            "source": "SPORT_MODEL_ID",
            "value": "a96e8980-6373-3cde-88c5-cd03e5320498",
            "collection": "events"
        }
    ],
    "exploreEnabled": true,
    "formats": {
        "HD": {
            "chapterMarkers": [],
            "eventStage": "UPCOMING",
            "contentId": "PCKSLE:5015650",
            "availability": {
                "available": true,
                "mediaType": "SLE",
                "offerStage": "UPCOMING",
                "offerStartTs": 1726683480000,
                "offerEndTs": 1744480800000,
                "customerPlayableDateTime": 1744480800000,
                "streamable": true,
                "downloadable": true,
                "availableDevices": [
                    {

```

```
        "type": "COMPUTER",
        "platform": "MAC"
    },
    {
        "type": "COMPUTER",
        "platform": "PC"
    },
    {
        "type": "CONSOLE",
        "platform": "PLAYSTATION"
    },
    {
        "type": "CONSOLE",
        "platform": "XBOX"
    },
    {
        "type": "IPSETTOPBOX",
        "platform": "APPLETV"
    },
    {
        "type": "IPSETTOPBOX",
        "platform": "CHROMECAST"
    },
    {
        "type": "IPSETTOPBOX",
        "platform": "FIRETV"
    },
    {
        "type": "IPSETTOPBOX",
        "platform": "FIRETV-KEPLER"
    },
    {
        "type": "IPSETTOPBOX",
        "platform": "RDK"
    },
    {
        "type": "IPSETTOPBOX",
        "platform": "XFINITY-FLEX"
    },
    {
        "type": "IPSETTOPBOX",
        "platform": "XFINITY-X1"
    },
    {
        "type": "IPSTB",
        "platform": "ROKU"
    },
    {
        "type": "MOBILE",
        "platform": "ANDROID"
    },
    {
        "type": "MOBILE",
        "platform": "IOS"
    },
    {
        "type": "SETTOPBOX",
        "platform": "ROKU"
    },
    {
        "type": "TABLET",
        "platform": "ANDROID"
    },
    {
        "type": "TABLET",
        "platform": "FIRETV-KEPLER"
    },
    {
        "type": "TABLET",
        "platform": "IOS"
    }
},
```

```

        {
            "type": "TV",
            "platform": "ANDROIDTV"
        },
        {
            "type": "TV",
            "platform": "HISENSE-VIDAA"
        },
        {
            "type": "TV",
            "platform": "LG"
        },
        {
            "type": "TV",
            "platform": "SAMSUNG"
        },
        {
            "type": "TV",
            "platform": "VIZIO"
        }
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    "extendedOfferEndTs": 1744668000000,
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    "videoFormatVariant": "SDR",
    "colourSpace": "SDR"
},
"startOfCredits": 10770000
}
},
"genreData": [
{
    "subgenre": {
        "code": "57",
        "id": "Supercross",
        "title": "Supercross",
        "primary": true
    },
    "genre": {
        "code": "7",
        "id": "Sports",
        "title": "Sports",
        "primary": true
    }
}
],
"genreList": [
{
    "subgenre": [
        "Supercross"
    ],
    "genre": [
        "Sports"
    ]
}
],
"genres": [
    "Supercross"
],
"gonzalezRightsMediaType": [
    "SLE"
],
"images": [
{
    "url": "https://imageservice.disco.peacocktv.com/pcms/9e727456-bb31-11ef-8861-f3c377293def/LAND_16_9?proposition=NBCUOTT&language=eng&versionId=7714023f-2750-5948-8905-c834724de5d0&territory=US",
    "type": "landscape"
},
{
    "url": ""
}
]

```

```

        "type": "portrait"
    },
    {
        "url": "",
        "type": "midsize"
    },
    {
        "url": "https://imageservice.disco.peacocktv.com/uuid/d9fa1562-ebf4-3117-a9ac-532b338dbec5",
/TITLE_ART_16_9?language=eng&territory=US&proposition=NBCUOTT&version=b5039a99-5513-309a-8c0f-f502726459a4",
        "type": "titleArt169"
    },
    {
        "url": "https://imageservice.disco.peacocktv.com/pcms/cd02a020-bb31-11ef-88d6-cbd03354925f/BOXART?
proposition=NBCUOTT&language=eng&versionId=5ad2f577-b44e-5283-974f-e1ae7dcf6faa&territory=US",
        "type": "nonTitleArt34"
    },
    {
        "url": "https://imageservice.disco.peacocktv.com/pcms/e2f38f20-bb31-11ef-894b-33fd8dede032/BOXART?
proposition=NBCUOTT&language=eng&versionId=e011e2ee-0809-55c3-89c6-dd9d2ddd6e66&territory=US",
        "type": "titleArt34"
    },
    {
        "url": "https://imageservice.disco.peacocktv.com/pcms/801cd97e-bb31-11ef-87ec-2b0d5ecd60ed
/AGG_SOURCE?proposition=NBCUOTT&language=eng&versionId=d76151b8-0bca-5967-8e5e-67fc5e33a266&territory=US",
        "type": "titleLogo"
    }
],
"merlinAlternateId": "5015650",
"merlinId": "7237513702655551112",
"producer": [
    ""
],
"programmeUuid": "d9fa1562-ebf4-3117-a9ac-532b338dbec5",
"providerId": "7728061817102576105",
"providerName": "NBC",
"providerVariantId": "e9762019-alcc-333a-9314-a78852b1f40e",
"runtime": "03:00:00",
"sectionNavigation": "ENTERTAINMENT",
"slug": "/sports/supercross-rd.-13-philadelphia/e9762019-alcc-333a-9314-a78852b1f40e",
"sortTitle": "supercross rd. 13: philadelphia",
"subtitled": false,
"synopsis": "Racers compete in Round 13 of the Monster Energy AMA Supercross Championship in Philadelphia, part of the SuperMotocross World Championship Series™.",
"synopsisLong": "Racers compete in Round 13 of the Monster Energy AMA Supercross Championship in Philadelphia, part of the SuperMotocross World Championship Series™.",
"synopsisShort": "Racers compete in Round 13 of the Monster Energy AMA Supercross Championship in Philadelphia, part of the SuperMotocross World Championship Series™.",
"title": "Supercross Rd. 13: Philadelphia",
"titleLong": "Supercross Rd. 13: Philadelphia",
"titleMedium": "Supercross Rd. 13: Philadelphia",
"year": 2025
},
"relationships": {
    "parents_view_modes": {
        "data": [
            {
                "links": {
                    "self": "/adapter-calypso/v3/query/node/48dfe362-10d0-11f0-ada9-7b787a2772d5"
                },
                "id": "48dfe362-10d0-11f0-ada9-7b787a2772d5",
                "type": "ASSET/SLE",
                "childTypes": {
                    "images": {
                        "nodeTypes": [
                            "CMS/IMAGE/MASTER"
                        ],
                        "count": 5
                    },
                    "binge": {
                        "nodeTypes": [
                            "ASSET/SLE",

```

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        "ASSET/LINEAR_SLOT",
        "ASSET/PROGRAMME",
        "CATALOGUE/SERIES"
    ],
    "count": 8
},
"events": {
    "nodeTypes": [
        "SPORT/EVENT"
    ],
    "count": 2
},
"attributes": {
    "GSTContributionId": "5017703",
    "airingType": "Live",
    "audioDescribed": false,
    "badging": {
        "videoFormats": [
            {
                "videoFormat": "HD",
                "colourSpaces": [
                    "SDR"
                ]
            }
        ],
        "cast": [
            ""
        ],
        "channel": {
            "accessChannel": "7728061817102576105",
            "name": "National Broadcasting Company"
        },
        "childNodeTypes": [
            "ASSET/LINEAR_SLOT",
            "ASSET/PROGRAMME",
            "ASSET/SLE",
            "CATALOGUE/SERIES",
            "CMS/IMAGE/MASTER",
            "SPORT/EVENT"
        ],
        "classification": [
            "SPORTS"
        ],
        "closedCaptioned": false,
        "contentExperienceFeatures": [
            "sky:sle:explore"
        ],
        "contentSegments": [
            "D2C"
        ],
        "createdDate": 1743714750536,
        "deviceAvailabilities": [
            {
                "format": "HD",
                "mediaType": "SLE",
                "offerStage": "UPCOMING",
                "offerStartTs": 1740780000000,
                "offerEndTs": 1744471800000,
                "customerPlayableDateTime": 1744471800000,
                "streamable": true,
                "downloadable": true,
                "contentSegment": "D2C",
                "videoFormat": "HD",
                "videoFormatVariant": "SDR",
                "colourSpace": "SDR"
            }
        ],
        "deviceAvailability": {
            "available": true
        }
    }
}
```

```
},
"director": [
  ""
],
"displayStartTime": 1744475400000,
"durationMilliseconds": 9000000,
"durationMinutes": 150,
"durationSeconds": 9000,
"eventDetails": {
  "eventStage": "UPCOMING",
  "eventVisibilityStartDate": 1740780000000,
  "eventPlayableStartDate": 1744471800000,
  "eventPlayableEndDate": 1744657200000,
  "eventDisplayStartDate": 1744475400000,
  "eventDisplayEndDate": 1744484400000
},
"eventLinks": [
  {
    "type": "SPORT",
    "subType": "EVENT",
    "source": "SPORT_MODEL_ID",
    "value": "ba660dd7-d8f6-3dd8-8ce2-15ad7b85259f",
    "collection": "events"
  },
  {
    "type": "SPORT",
    "subType": "EVENT",
    "source": "SPORT_MODEL_ID",
    "value": "51767bae-b7d0-3125-b940-4537b5343d1d",
    "collection": "events"
  }
],
"exploreEnabled": true,
"formats": {
  "HD": {
    "chapterMarkers": [],
    "eventStage": "UPCOMING",
    "contentId": "PCKSLE:5017703",
    "availability": {
      "available": true,
      "mediaType": "SLE",
      "offerStage": "UPCOMING",
      "offerStartTs": 1740780000000,
      "offerEndTs": 1744471800000,
      "customerPlayableDateTime": 1744471800000,
      "streamable": true,
      "downloadable": true,
      "availableDevices": [
        {
          "type": "COMPUTER",
          "platform": "MAC"
        },
        {
          "type": "COMPUTER",
          "platform": "PC"
        },
        {
          "type": "CONSOLE",
          "platform": "PLAYSTATION"
        },
        {
          "type": "CONSOLE",
          "platform": "XBOX"
        },
        {
          "type": "IPSETTOPBOX",
          "platform": "APPLETV"
        },
        {
          "type": "IPSETTOPBOX",
          "platform": "CHROMECAST"
        }
      ]
    }
  }
}
```

```
        },
        {
            "type": "IPSETTOPBOX",
            "platform": "FIRETV"
        },
        {
            "type": "IPSETTOPBOX",
            "platform": "FIRETV-KEPLER"
        },
        {
            "type": "IPSETTOPBOX",
            "platform": "RDK"
        },
        {
            "type": "IPSETTOPBOX",
            "platform": "XFINITY-FLEX"
        },
        {
            "type": "IPSETTOPBOX",
            "platform": "XFINITY-X1"
        },
        {
            "type": "IPSTB",
            "platform": "ROKU"
        },
        {
            "type": "MOBILE",
            "platform": "ANDROID"
        },
        {
            "type": "MOBILE",
            "platform": "IOS"
        },
        {
            "type": "SETTOPBOX",
            "platform": "ROKU"
        },
        {
            "type": "TABLET",
            "platform": "ANDROID"
        },
        {
            "type": "TABLET",
            "platform": "FIRETV-KEPLER"
        },
        {
            "type": "TABLET",
            "platform": "IOS"
        },
        {
            "type": "TV",
            "platform": "ANDROIDTV"
        },
        {
            "type": "TV",
            "platform": "HISENSE-VIDAA"
        },
        {
            "type": "TV",
            "platform": "LG"
        },
        {
            "type": "TV",
            "platform": "SAMSUNG"
        },
        {
            "type": "TV",
            "platform": "VIZIO"
        }
    ],
    "extendedOfferStartTs": 1740780000000,
```

```

        "extendedOfferEndTs": 1744657200000,
        "contentSegment": "D2C",
        "videoFormat": "HD",
        "videoFormatVariant": "SDR",
        "colourSpace": "SDR"
    },
    "startOfCredits": 8970000
},
"genreData": [
{
    "subgenre": {
        "code": "40",
        "id": "Premier League",
        "title": "Premier League",
        "primary": true
    },
    "genre": {
        "code": "7",
        "id": "Sports",
        "title": "Sports",
        "primary": true
    }
},
{
    "subgenre": {
        "code": "29",
        "id": "Soccer",
        "title": "Soccer",
        "primary": false
    },
    "genre": {
        "code": "7",
        "id": "Sports",
        "title": "Sports",
        "primary": false
    }
}
],
"genreList": [
{
    "subgenre": [
        "Premier League"
    ],
    "genre": [
        "Sports"
    ]
},
{
    "subgenre": [
        "Soccer"
    ],
    "genre": [
        "Sports"
    ]
}
],
"genres": [
    "Premier League",
    "Soccer"
],
"gonzalezRightsMediaType": [
    "SLE"
],
"images": [
{
    "url": "https://imageservice.disco.peacocktv.com/pcms/76b64066-b0fd-11ef-b81d-87cf576dafb0
/LAND_16_9?proposition=NBCUOTT&language=eng&versionId=1f3e394c-8f6a-519d-99c3-c116c29527ab&territory=US",
    "type": "landscape"
}
]

```

```

        "url": "https://imageservice.disco.peacocktv.com/pcms/2a428072-126a-11f0-8d62-0b63df5261c1
/LAND_16_9?proposition=NBCUOTT&language=eng&versionId=e56c8575-f5e5-5807-aab0-013705e0e976&territory=US",
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"sectionNavigation": "ENTERTAINMENT",
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**ATOM Syndication:**

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```

## Detailed Requirements:

ID	Jira Epic	Theme	Requirement Description	Jira Story	MoScow	MVP	Estimate	No
----	-----------	-------	-------------------------	------------	--------	-----	----------	----

F_001	<p><b>IOC-21033 - NBCU: 3.0 - NBA - Viewing Modes (GSP-8670)</b> AUGUST</p> <p><b>ATOM Global Ingest - New Relation(s) on SLE Nodes in ATOM:</b></p> <ul style="list-style-type: none"> <li>Name = <code>viewModes</code></li> <li>SLE's to be linked by: <ul style="list-style-type: none"> <li>New entry within <code>linkedObject</code> <ul style="list-style-type: none"> <li>Child SLE will have it <ul style="list-style-type: none"> <li>= a link to SLE 1</li> </ul> </li> <li>SLE 2 will have the <code>linkedObject</code> with a reference to SLE 1 = <code>parentProviderVariantId</code></li> <li>ATOM will then need to link SLE 2 to SLE 1 within the new relation</li> <li>SLE 1 will be the parent</li> <li>SLE 2 will be the child</li> </ul> </li> </ul> </li> </ul> <pre> "linkedObject": [   {     "object": "SLE1",     "type": "parentProviderVariantId"   } ] </pre> <p><b>ATOMISER:</b></p> <ol style="list-style-type: none"> <li>Will send SLE updates from the ATOMISER to CURATOR</li> <li>Add <code>contentExperienceFeature</code> to the curator message</li> </ol> <p><b>CURATOR:</b></p> <ol style="list-style-type: none"> <li>Curate SLE's that contain new <code>contentExperienceFeatures</code> = "sky:sle:viewingmode"</li> </ol> <pre> "contentExperienceFeatures": [   "sky:sle:viewingmode" ] </pre> <p><b>BACKEND:</b></p> <ol style="list-style-type: none"> <li>Allow for the new <code>viewModes</code> SLE relationship</li> </ol>	<p>As a CMS</p> <p>I want the ability to link SLE's to one another via a parent/child relationship</p> <p>So that the relationship can be consumed by Clients in order to display the Viewing Mode experience to users</p>	<p>Link to Story</p>	M	Yes	4 WEEKS	<p>This is for new curator logic - need to confirm if we can reuse the existing.</p> <p>QA 2 WEEKS</p>	<p>Show all for the ability link n than SLE?</p> <p>Create link is norm in on direc but it assu that t will n need direc Will t cater for or adap to sh this.</p> <p>Pare many</p> <p>Need introc a new table store links the c</p> <p>stitch curat impa</p> <p>need tests funct can t while build</p> <p>----</p> <p>consimpa</p> <p>atom impa there shou a data varia store again</p> <p>atom shou then this v pass the d</p> <p>What happ wher child SLE' movi an FI shou we k the d from wher was SLE linke</p>
F_002	<p><b>IOC-21033 - NBCU: 3.0 - NBA - Viewing Modes (GSP-8670)</b> AUGUST</p> <p><b>ATOM Global Ingest - Ingest new contentExperienceFeature:</b></p> <ul style="list-style-type: none"> <li>New contentExperienceFeature attribute into ATOM = <code>sky:sle:viewingmode</code> <ul style="list-style-type: none"> <li>ASSET/SLE only</li> </ul> </li> </ul> <pre> "contentExperienceFeatures": [   "sky:sle:viewingmode" ] </pre>	<p>As a Developer</p> <p>I want to configure a new contentExperience Feature type of 'ViewingMode' in ATOM Global Ingest against SLE node types</p> <p>So that this can be consumed and the parent / child relationship between SLE's in ATOM can be created</p>		M	Yes	HL = 1 week		<p>consimpa</p> <p>atom impa there shou a data varia store again</p> <p>atom shou then this v pass the d</p>

F_003	<p> IOC-21033 - NBCU: 3.0 - NBA - Viewing Modes (GSP-8670) AUGUST</p>	<p><b>ATOM Calypso Adapter Work:</b></p> <ul style="list-style-type: none"> <li>A way to show the new relation = <ul style="list-style-type: none"> <li>New parameter expansions <ul style="list-style-type: none"> <li><b>ext_view_modes</b></li> <li><b>parents_view_modes</b> (to show the parent)</li> </ul> </li> <li>New CEF should be published (if we publish them currently)</li> </ul> </li> </ul> <table border="1"> <thead> <tr> <th>represent query</th><th>internal adapter expansion</th><th>logic</th></tr> </thead> <tbody> <tr> <td>query/node/sle/sle_nodeid? represent=(<b>parents_view_modes</b>)</td><td>(parents_view_modes)</td><td>the parent view mode sle</td></tr> <tr> <td>query/node/sle/sle_nodeid? represent=(<b>ext_view_modes</b>)</td><td>(view_modes, parents_view_modes (view_modes))</td><td>           if query sle is           <ul style="list-style-type: none"> <li>parent - return all children</li> <li>child sle - return all siblings</li> </ul> </td></tr> </tbody> </table>	represent query	internal adapter expansion	logic	query/node/sle/sle_nodeid? represent=( <b>parents_view_modes</b> )	(parents_view_modes)	the parent view mode sle	query/node/sle/sle_nodeid? represent=( <b>ext_view_modes</b> )	(view_modes, parents_view_modes (view_modes))	if query sle is <ul style="list-style-type: none"> <li>parent - return all children</li> <li>child sle - return all siblings</li> </ul>	<p><b>As a Client</b></p> <p>I want the ability to call ATOM on the Calypso Adapter for SLE's with child / parent relationships via the viewingMode contentExperience Features</p> <p><b>So that</b> ATOM can return the viewingMode relationship on requests made for SLE's</p>	M	Yes	HL = 2 weeks	Show parent child Show child parent cust relati map Not comp but calyp delici Need integ tests query /node /sle_id? repre (parent view_modes, ext_v mode)
represent query	internal adapter expansion	logic														
query/node/sle/sle_nodeid? represent=( <b>parents_view_modes</b> )	(parents_view_modes)	the parent view mode sle														
query/node/sle/sle_nodeid? represent=( <b>ext_view_modes</b> )	(view_modes, parents_view_modes (view_modes))	if query sle is <ul style="list-style-type: none"> <li>parent - return all children</li> <li>child sle - return all siblings</li> </ul>														
F_004	<p> IOC-21033 - NBCU: 3.0 - NBA - Viewing Modes (GSP-8670) AUGUST</p>	<p><b>ATOM Syndication Work:</b></p> <ul style="list-style-type: none"> <li>New relation against SLE's <ul style="list-style-type: none"> <li><b>viewModes</b> <ul style="list-style-type: none"> <li>Will show the link to child / parent SLE which has been linked via the linkedObject</li> </ul> </li> </ul> </li> <li>New CEF to be present on SLE's</li> </ul>	<p><b>As an Enrichment Service</b></p> <p>I want ATOM to publish the new viewingMode relationships to their Syndication Service</p> <p><b>So that</b> ATOM can return the viewingMode relationship on SLE events</p>	M	Yes	1 WEEK QA COVERED ABOVE										
F_005	<p> IOC-21033 - NBCU: 3.0 - NBA - Viewing Modes (GSP-8670) AUGUST</p>	<p><b>ATOM Frontend Editor Work:</b></p> <ul style="list-style-type: none"> <li>New Tab to show the linked SLE's <ul style="list-style-type: none"> <li>TBC on the name on the UI - the feature is called viewModes <ul style="list-style-type: none"> <li>Parent SLE</li> <li>Child SLE</li> </ul> </li> </ul> </li> <li>New Search Filter Option to show the linked SLE's - viewModes</li> </ul>	<p><b>As an Editor</b></p> <p>I want the ability to see the SLE's linked to other SLE's within the CMS</p> <p>And the ability to search and filter for SLE's with this relationship</p> <p><b>So that</b> it is possible to see all parent / child links for viewingMode SLE's</p>	M	Yes	Updated: 3 weeks	With Would prob need BE c to ad SOLI index 1 we									

## Appendix:

### References:

**Product Page:** <https://gspcloud.atlassian.net/browse/GSP-8670>

**ATOM Feature Page:** <https://wiki.at.sky/display/IOC/GSP-8670+-+Viewing+Modes>

**E2E Solution Page:** <https://gspcloud.atlassian.net/wiki/spaces/PTC/pages/427066584/Viewing+Modes>

**CSI Solution Page:** <https://wiki.at.sky/pages/viewpage.action?spaceKey=GPEMETA&title=GSP-8670+-+Viewing+Modes+Overlay+-+NBA+Feature>

### Alternative Options not pursued:

N/A