Facility Design Supporting Synchronized PTP and Black Burst

Timing Sources

- Grandmaster 1
- Grandmaster 2

- PTP Slave 1
- Legacy Master 1
- PTP Slave 2
- Legacy Master 2

Auto-changeover

SMPTE ST 2059 PTP

IP Network

IP Broadcast Equipment

Legacy Broadcast Equipment

Traditional Distribution Amplifier Network

GPS/GNSS

Facility Video/Audio Equipment
Facility Design Supporting Synchronized PTP and Black Burst

1. Synchronize Timing Sources

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- Grandmaster 1
  - SMPTE ST 2059 PTP
- Grandmaster 2
  - SMPTE ST 2059 PTP
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- Legacy Master 1
- PTP Slave 2
- Legacy Master 2
- Auto-changeover
- Black Burst
- DARS
- Timecode

- IP Network

- IP Broadcast Equipment
- Facility Video/Audio Equipment
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   - Black Burst
   - DARS
   - Timecode

2. Distribute via Network

   - IP Network
   - Black Burst
   - DARS
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   - Legacy Broadcast Equipment
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2. Distribute via Network
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3. Align Signals
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   - DARS
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