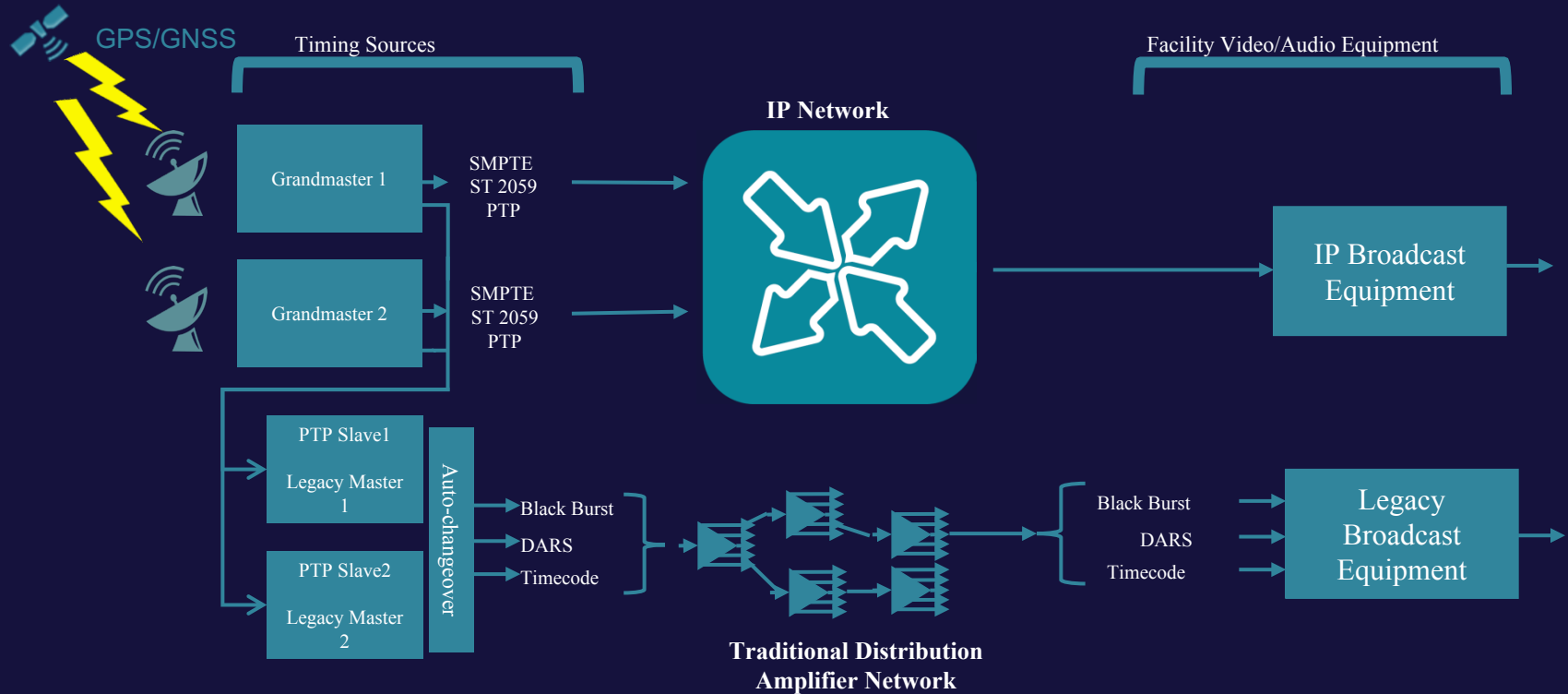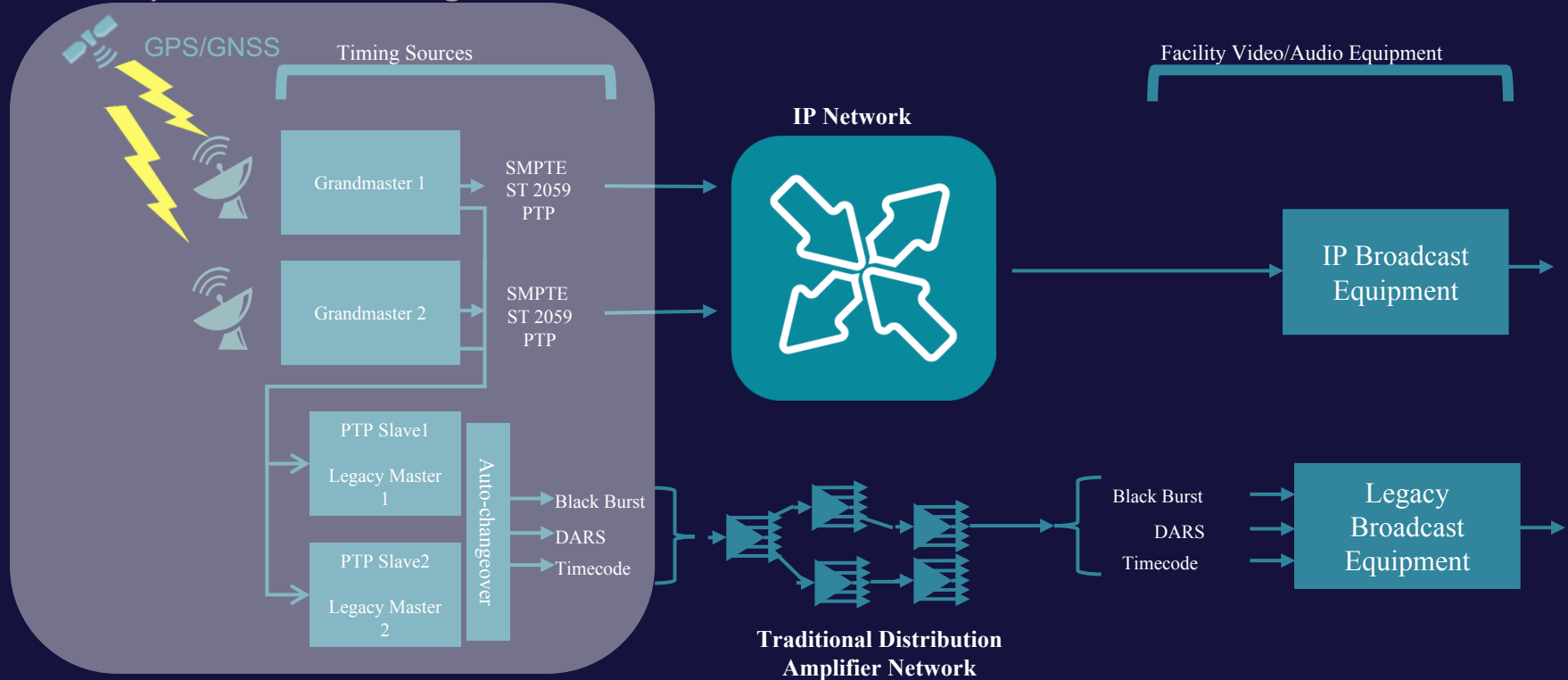# Facility Design Supporting Synchronized PTP and Black Burst

Facility Design Supporting Synchronized PTP and Black Burst
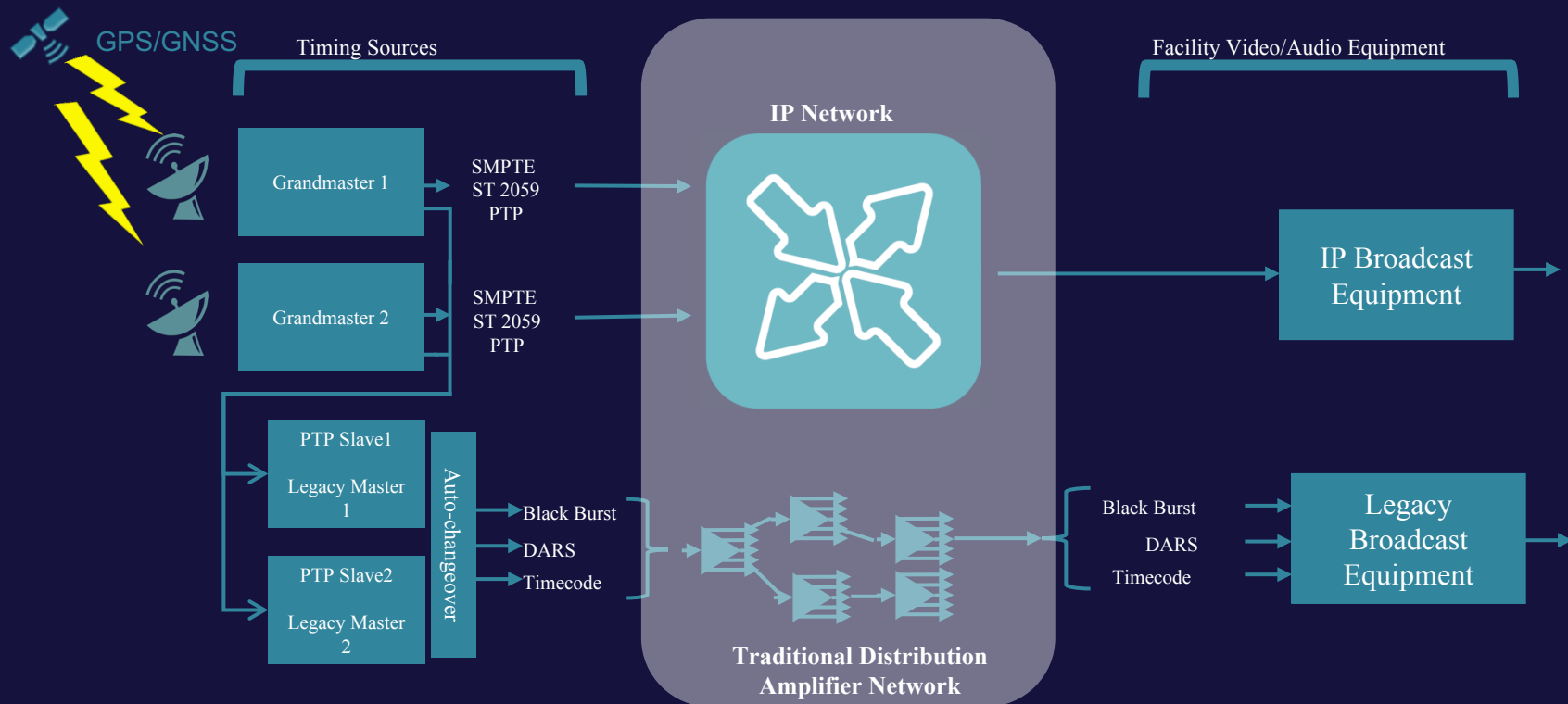
1. Synchronize Timing Sources

Facility Design Supporting Synchronized PTP and Black Burst

1. Synchronize Timing Sources

2. Distribute via Network

3. Align Signals

GPS/GNSS

Timing Sources

IP Network

Facility Video/Audio Equipment

Grandmaster 1

SMPTE ST 2059 PTP

Grandmaster 2

SMPTE ST 2059 PTP

PTP Slave1 Legacy Master 1

PTP Slave2 Legacy Master 2

Auto-changeover

Black Burst
DARS
Timecode

Traditional Distribution Amplifier Network

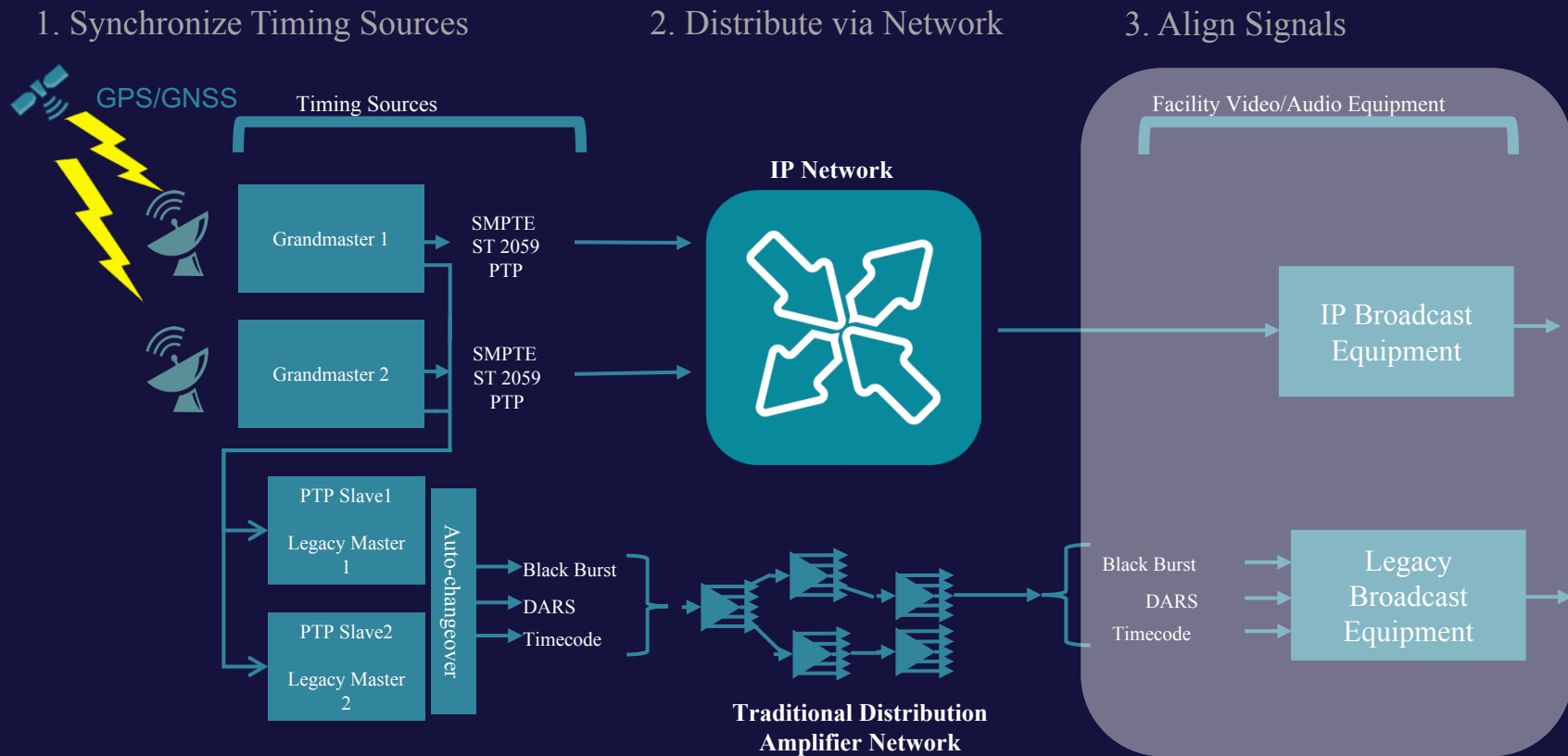Black Burst
DARS
Timecode

IP Broadcast Equipment

Legacy Broadcast Equipment

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PTP Slave1
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Auto-changeover

PTP Slave2
Legacy Master 2

Black Burst
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