

# HARMAN

## Automotive Update

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harman/kardon

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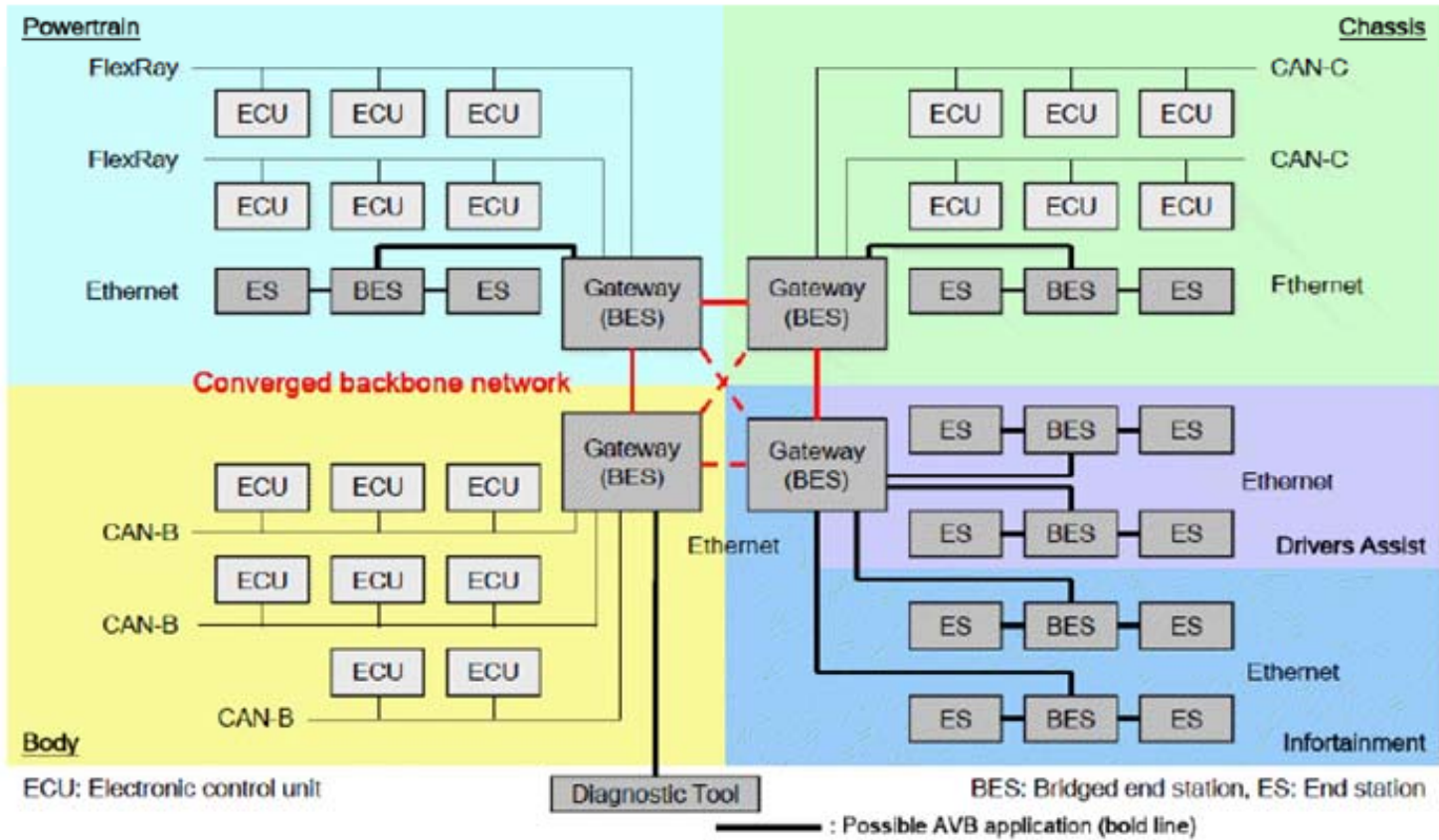
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# Automotive Topology



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## ▪ Automotive Network

- Increasing demand for bandwidth
- Desire to reduce number of networking technologies
  - LIN, CAN, FlexRay, MOST
- Distributed System need synchronization
- Guaranteed QOS required
- Guaranteed Latency required
- 50-70 ECU's in a modern car

# Problems to solve

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- **Packet Format**
- **Network Synchronization**
  - Flexray Timing
  - CAN Priorities
- **Ultra Low latency transport**
  - Multi Talker SRP
- **Network Addressing**
- **Network Startup**
- **Network Shutdown**

# Contribution Coming

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## ▪ Upcoming 1722a Contribution

- Flexray and CAN protocol
- New subtype required
- Contribution on Sep 6<sup>th</sup> call
  - Call moved from Sep 5<sup>th</sup> due to Labor Day Holiday

# HARMAN

WHERE SOUND MATTERS

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