

Invention Title:	Driverless Car Entertainment System
Invention Summary:	Allows safe viewing of video content for occupants of a driverless car during computer control using the wireless networks that MSOs are deploying.
Invention Description:	see below
Invention Commercial Value/Customers:	Increase viewable time for consumers to use video services Provides automated safety controls for the video service delivery Leverages MSO Wi-Fi investments Increased advertising revenue with increase audience viewing
Invention Differences:	Allows driver and front seat occupants to view video in private vehicles while traveling. Provides consumers with another hour of television viewing time, based upon average commute times in the US.

Driverless Car Entertainment

Infrastructure in urban areas are facing an unsustainable pace to address its' growing population due to fiscally strained resources. This will result in greater commute times for business and commercial travelers within metropolitan areas. As technologists perfect vehicles that automatically drive them, this document proposes a method for delivering video services to consumers in their vehicles when operation is controlled by a computer system rather than operated by a human.

The vehicle establishes a communication connection to the MSOs Wireless Access Point (WAP) using their person or vehicle specific credentials. When operating in driverless mode, an occupant can initiate the entertainment mode to begin viewing video content on the vehicle's infotainment screen, see Figure 1. While it remains in driverless mode, video can continue until the engine is turned off or the driver resumes control of the vehicle.

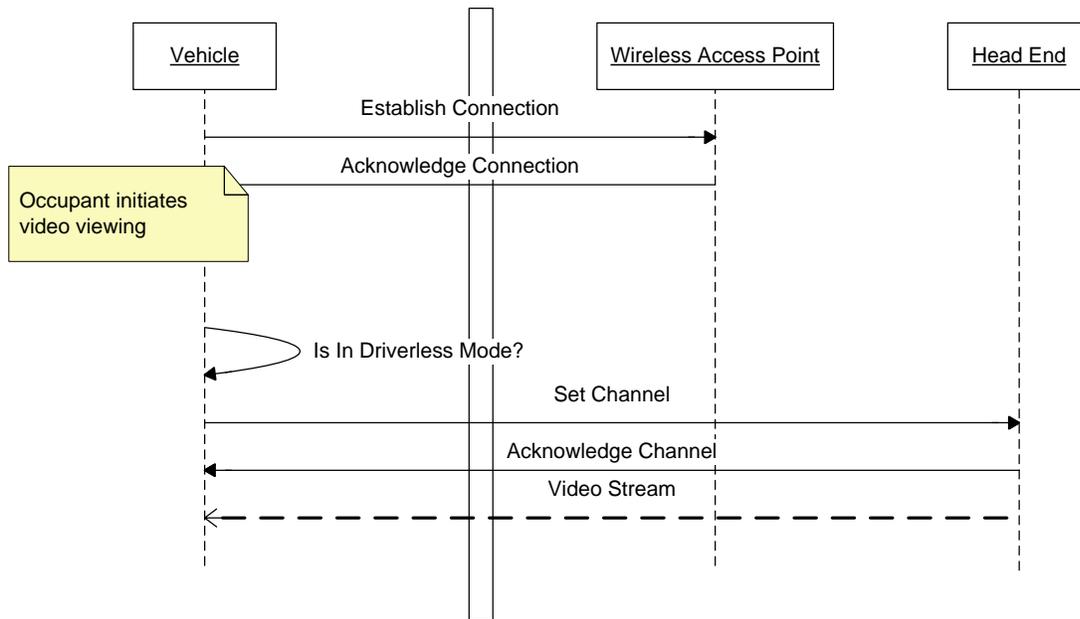


Figure 1 Driverless Video Communications

The Head End responds with an Acknowledge Channel response which includes the URL or multicast IP address and port for the vehicle to use to obtain the desired video content from the content service provider.

Figure 2 defines the finite state machine that the system should use to ensure safe operation of the vehicle prior to allowing occupants watch video while the vehicle is in motion.

State Machine for Driverless Car Entertainment

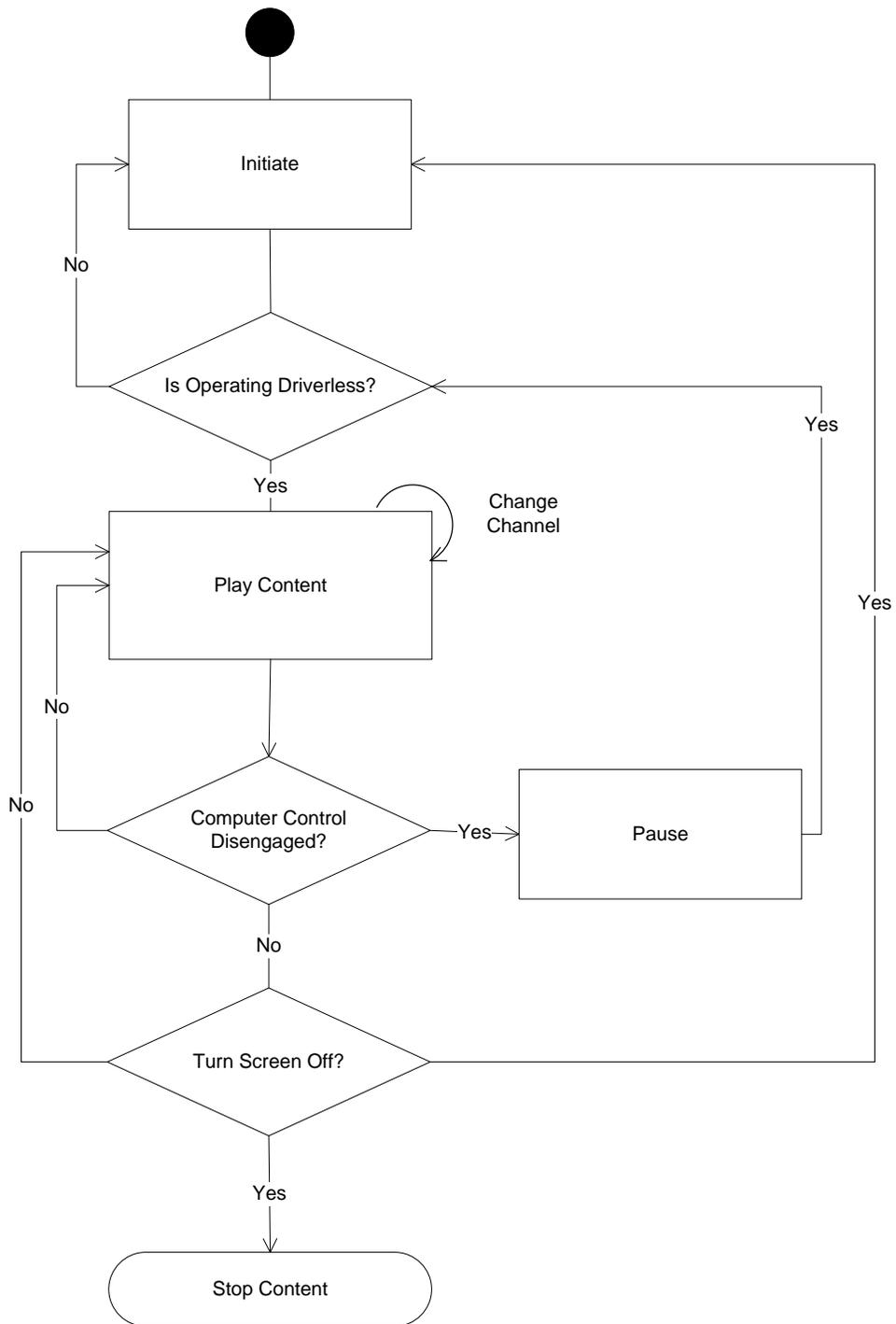


Figure 2 Driverless Entertainment State Machine