United States
Eliminated in round of 16

Full-time • Round of 16
Arena Fonte Nova, Salvador

Belgium 2 - 1 United States

Timeline Match stats Lineups

Video on ESPN FC
http://en.wikipedia.org/wiki/Google_Fiber
Download Speed: 50 - 100 Mbps ... 1 Gbps+

http://www.broadbandmap.gov/speed
Don’t be like this.
<table>
<thead>
<tr>
<th>Level</th>
<th>Definition</th>
<th>Execution of steering and acceleration/deceleration</th>
<th>Monitoring of driving environment</th>
<th>Fallback performance of dynamic driving task</th>
<th>System capability (driving modes)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>the full-time performance by the human driver of all aspects of the dynamic driving task, even when enhanced by warning or intervention systems</td>
<td>Human driver</td>
<td>Human driver</td>
<td>Human driver</td>
<td>n/a</td>
</tr>
<tr>
<td>1</td>
<td>Driver Assistance</td>
<td>Human driver and system</td>
<td>Human driver</td>
<td>Human driver</td>
<td>Some driving modes</td>
</tr>
<tr>
<td>2</td>
<td>Partial Automation</td>
<td>System</td>
<td>Human driver</td>
<td>Human driver</td>
<td>Some driving modes</td>
</tr>
<tr>
<td>3</td>
<td>Conditional Automation</td>
<td>System</td>
<td>System</td>
<td>Human driver</td>
<td>Some driving modes</td>
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<tr>
<td>4</td>
<td>High Automation</td>
<td>System</td>
<td>System</td>
<td>System</td>
<td>Some driving modes</td>
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<tr>
<td>5</td>
<td>Full Automation</td>
<td>System</td>
<td>System</td>
<td>System</td>
<td>All driving modes</td>
</tr>
</tbody>
</table>
Anticipating Automation

• Increasing driver assistance everywhere
• Location-specific automation somewhere
  – Limited geographic/weather capabilities
  – Limited mapping
  – Varying business cases
  – Diverse state/local regulation
  – Pilot projects
  – Transit projects
• ....
What Municipalities *Cannot* Control

- Development and deployment of new technologies by automakers
- Federal motor vehicle standards
- State vehicle codes and insurance laws
- Many consumer preferences
- The weather
What Municipalities *Can* Control

- Local infrastructure
  - Managed lanes
  - Downtowns
  - Signals
  - Sidewalks
  - ….
- Local vehicle fleets
- Transit systems
- Taxicab regulations and concessions
- Local traffic rules and enforcement
- Parking rules and pricing
- Land use
- ….
Some Relevant Articles

- SAE Levels of Driving Automation
- A Legal Perspective on Three Misconceptions in Vehicle Automation
- Managing Autonomous Transportation Demand
- The Impact of Automation on Environmental Impact Statements
- Planning for Autonomous Driving

http://newlypossible.org
http://cyberlaw.stanford.edu/bws