



Foretellix's ADAS & AV Verification Survey Results

March 2020



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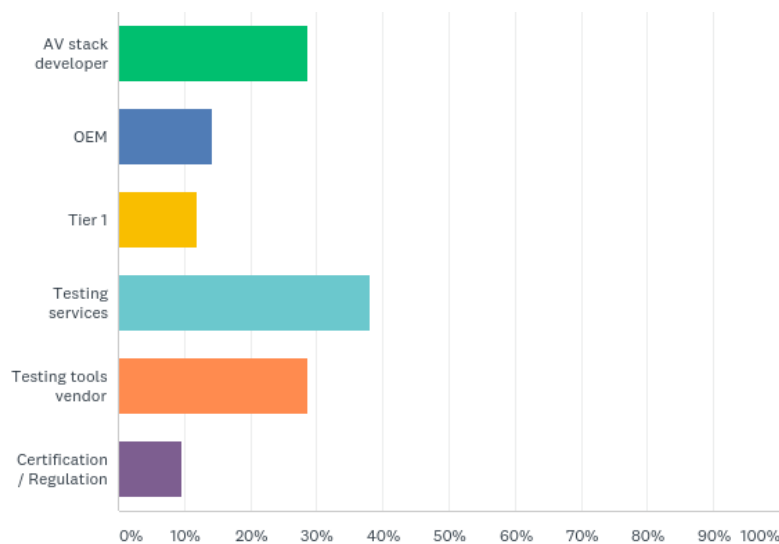
1 General information

The survey was held on January-February 2020, and participants from OEMs, Tier1s, AV developer and ecosystem companies worldwide took part in it.

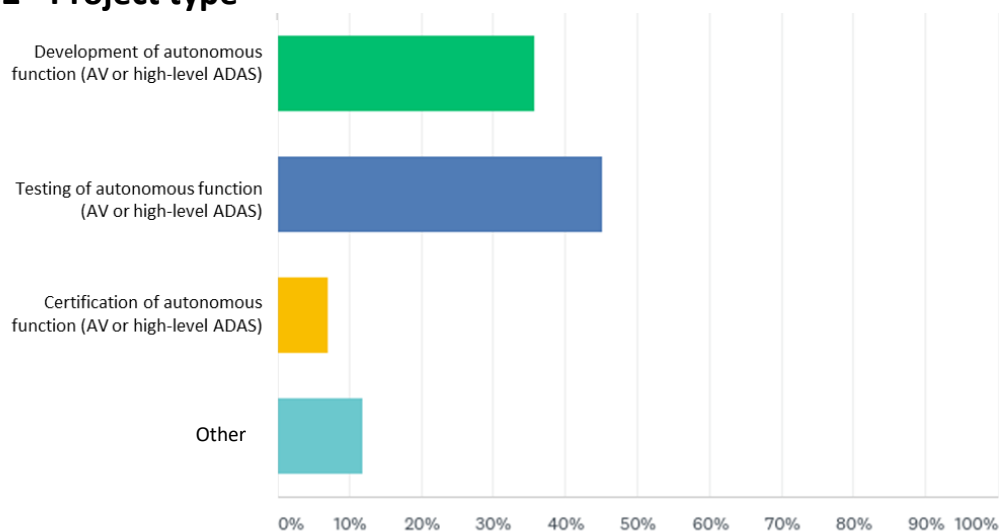
The participants were asked various questions related to the way they verify their ADAS and autonomous systems, pain points they are experiencing, the direction they would like to see in the future for verification & simulation, their thoughts on safety measurements and other verification & validation topics.

2 Participants Profile

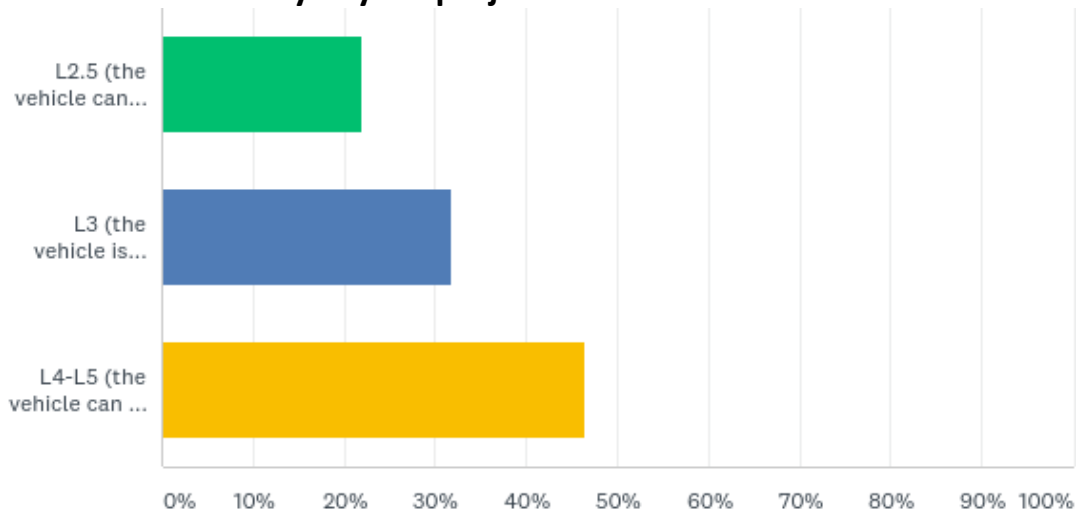
2.1 Company type



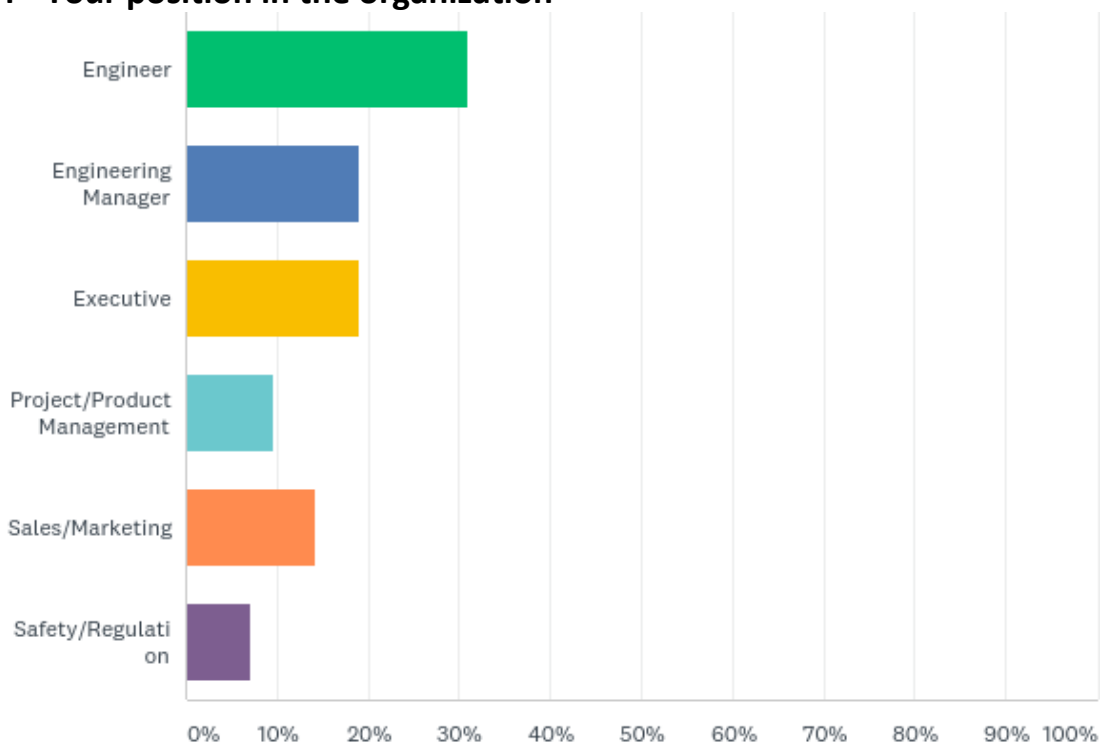
2.2 Project type



2.3 Level of autonomy in your project

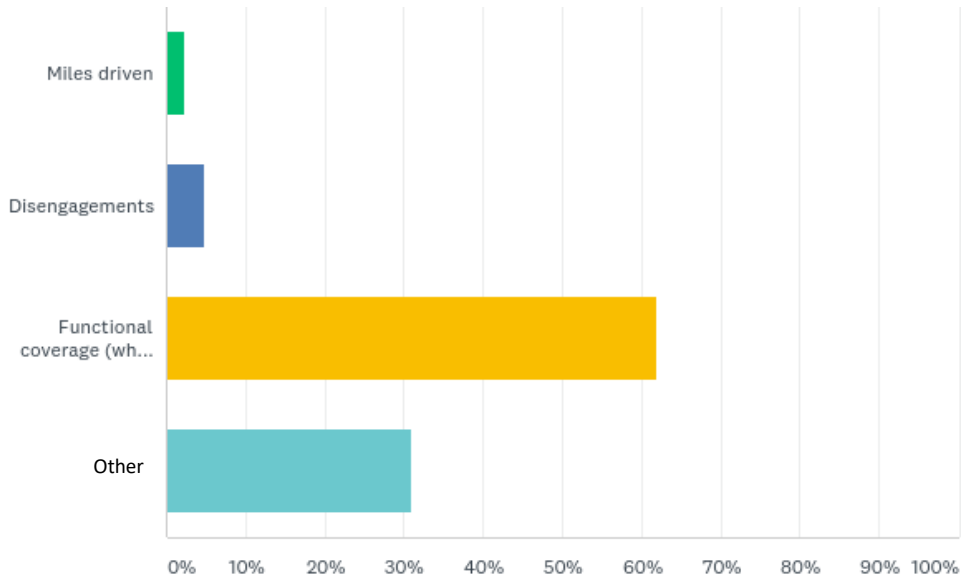


2.4 Your position in the organization

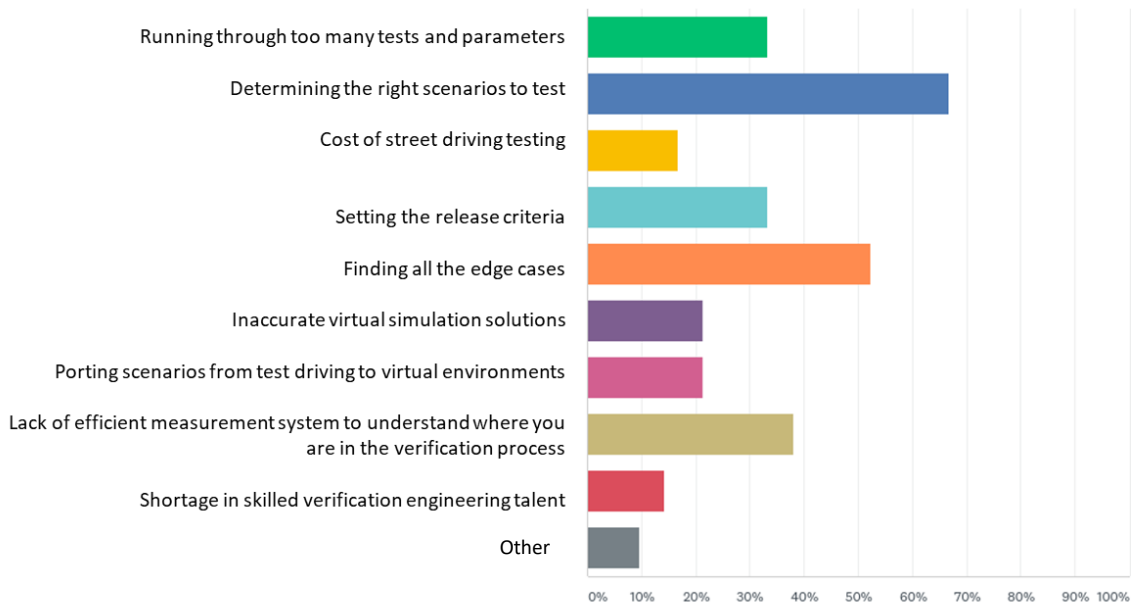


3 Results

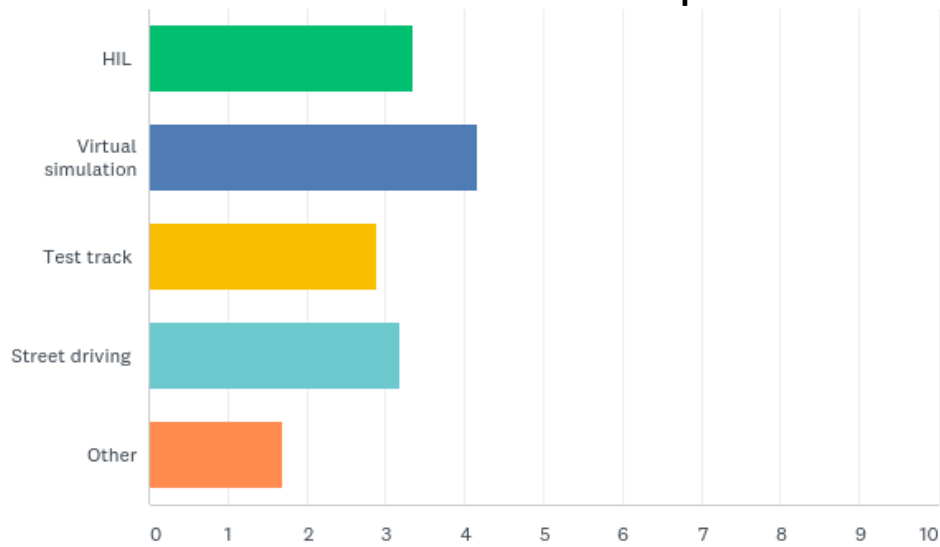
3.1 What are the right metrics for AV or high-level ADAS function safety qualifications?



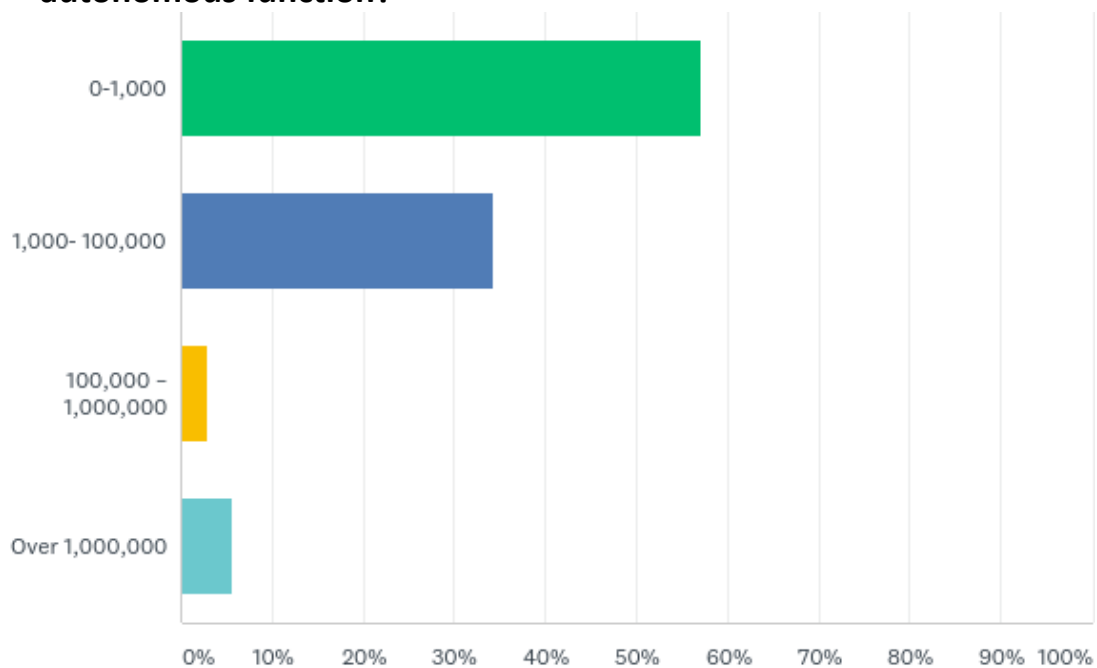
3.2 Please highlight the three most significant pain points in verification and validation of highly autonomous function



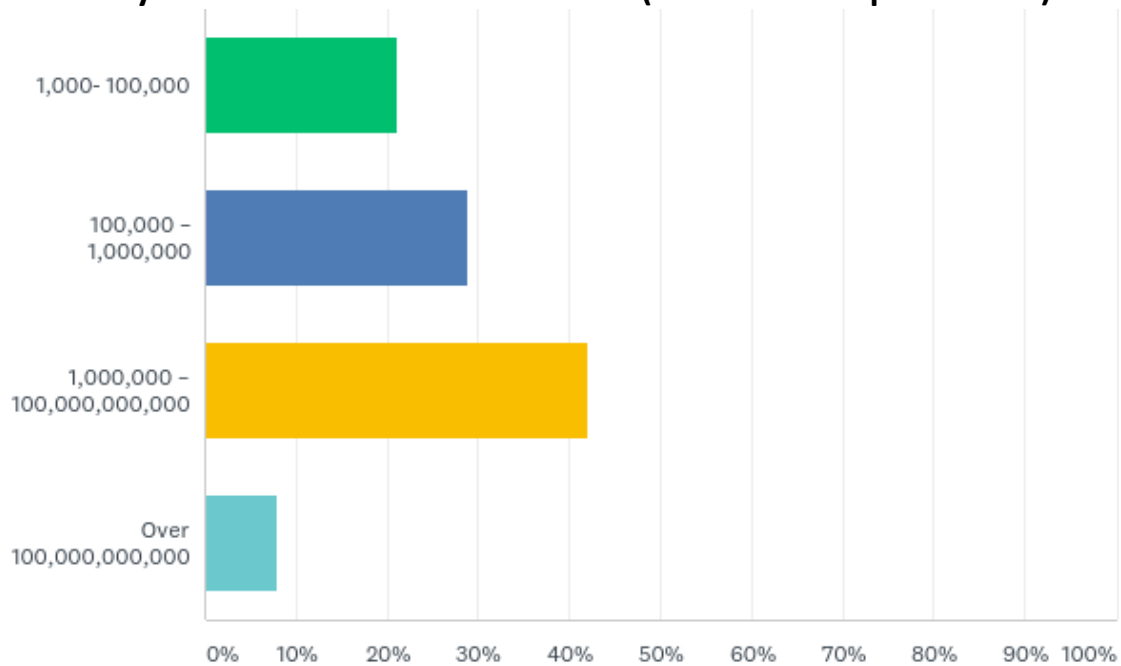
3.3 What testing platforms do you use for your V&V of highly autonomous function? Please rank them in order of importance



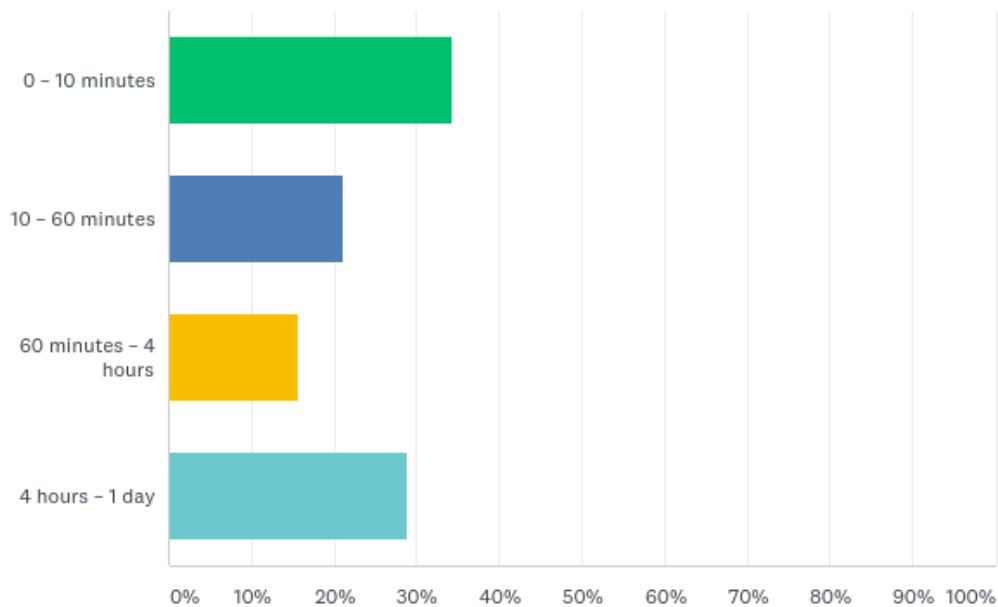
3.4 How many simulations do you run per day in order to verify your autonomous function?



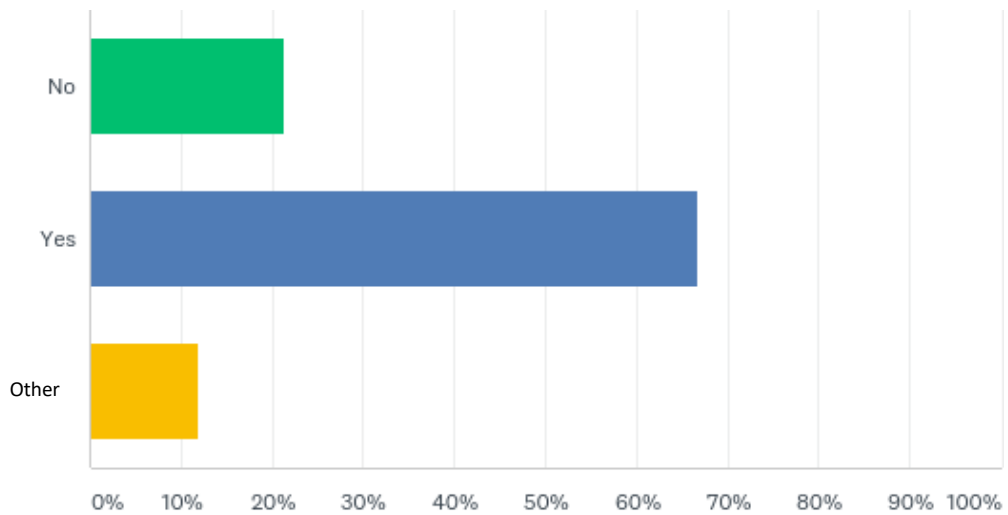
3.5 In your opinion, how many simulations per day will be required to fully verify an L4-L5 autonomous function (as defined in question #3)?



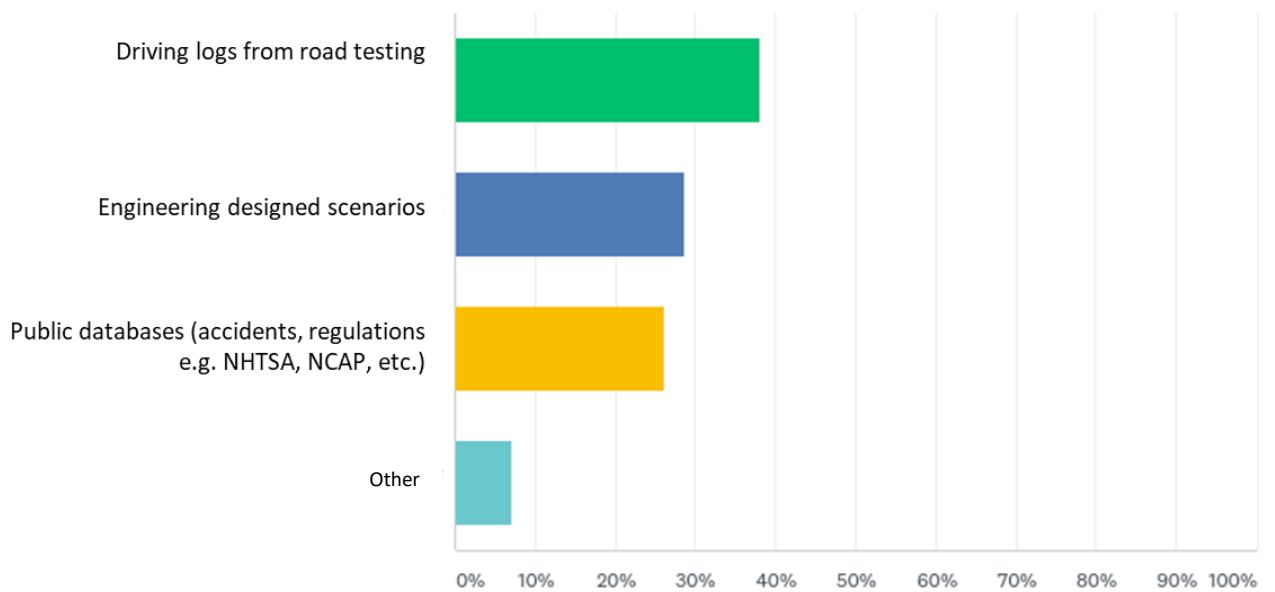
3.6 How long does it take to compose a new scenario?



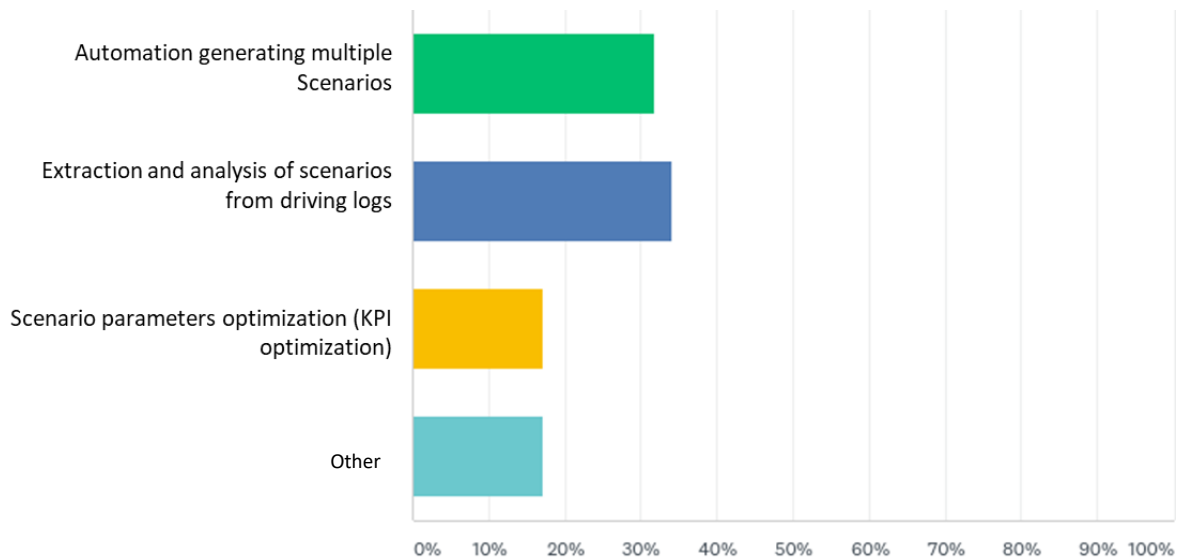
3.7 Would you and your organization benefit from a cloud tool to help you generate and visualize complex driving scenarios?



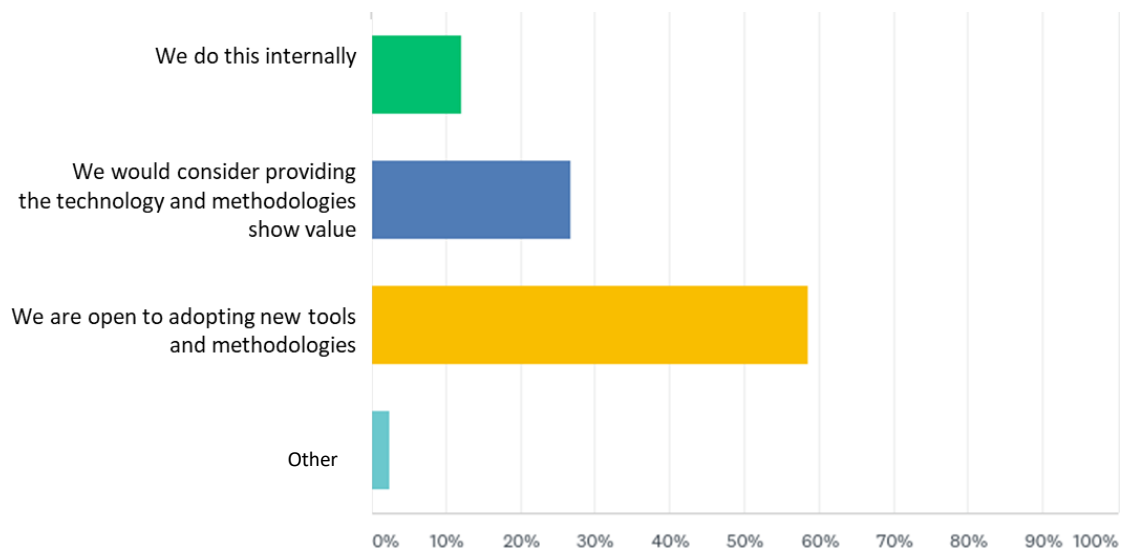
3.8 What is the most common source of new scenarios in your company?



3.9 What is the most important element in the verification and validation flow of a highly autonomous function?



3.10 Is your company open to adopting new verification technology and methodology?



3.11 Would you consider verifying your AV / ADAS stack on an external cloud environment with built-in simulators and scenarios?

