SOLAR SIMULATION - Questionnaire

General

Company: ____________________________
Name: ______________________________
Department: _________________________
Job title: ____________________________
Address: ____________________________
Phone: ______________________________
E-mail: ______________________________
Project: _____________________________

Application

What kind of test(s) do you want to do?

- Ageing Tests ☐
- Solar Heat Load Tests ☐
- Others ☐

Others, please describe: ____________________________

What type of specimens will be tested?

- Complete Vehicles ☐
- Components ☐
- ____________________________

Typical dimensions of specimens?

- Length __________
- Height __________
- Width __________

If complete vehicles are tested, please indicate the min. and max. dimensions.
**Specifications**

Do you intend to run a specific standard (DIN, ISO, ASTM, IEC, etc…)?

________________________________________________

A specific option/method?

________________________________________________


**Solar Simulation System**

Size of target area or target volume?

Length _________

Height _________

Width _________

What’s the required irradiance level (280-3.000 nm) in W/m²:__________

What’s your required spatial irradiance homogeneity in ±%:__________

Requirements on spectral irradiance distribution:______________

(e.g. global solar radiation according CIE 85 (Table 4))

Do you want the solar simulator

Fixed ☐     Moveable  ☑

If moveable, please describe needs: ____________________________

________________________________________________

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What type of control system do you prefer?
Manual ☐ Automatic ☐ External ☐
If automatic and/or external control, please describe your needs: __________________________________________________________
________________________________________________________________________
________________________________________________________________________
What would be the average distance for cable routing between the electrical supply rooms (installation of our electrical cabinets) to the solar simulation system? __________________________________________________________
What kind of electrical supply is available in your facility?
(Voltage/Frequency/Power) __________________________________________

**Ambient operation and installation conditions**

What are the inner dimensions of your test chamber:
Length __________
Height __________
Width __________

What are the ambient conditions for the system inside the chamber
Not in operation / In operation
Temperature (°C) __________ / __________
Rel. Humidity (r.H.) __________ / __________

What are the ambient conditions for the electrical cabinets
Temperature (°C) __________
Rel. Humidity (r.H.) __________

Only if available, please supply a sketch of your test facility and preferred test arrangement.

Thank you for your assistance.