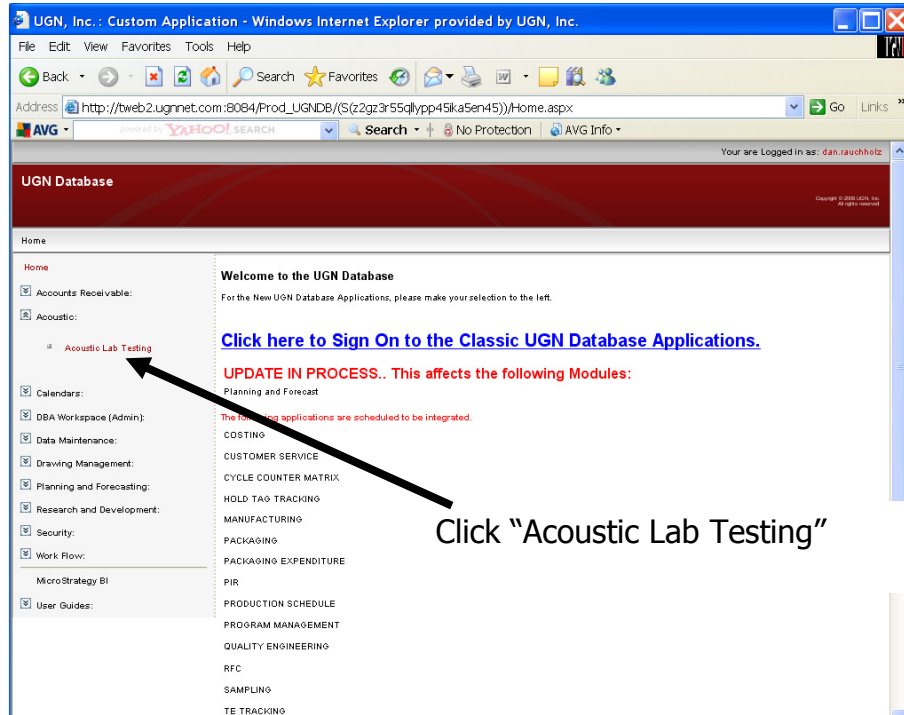
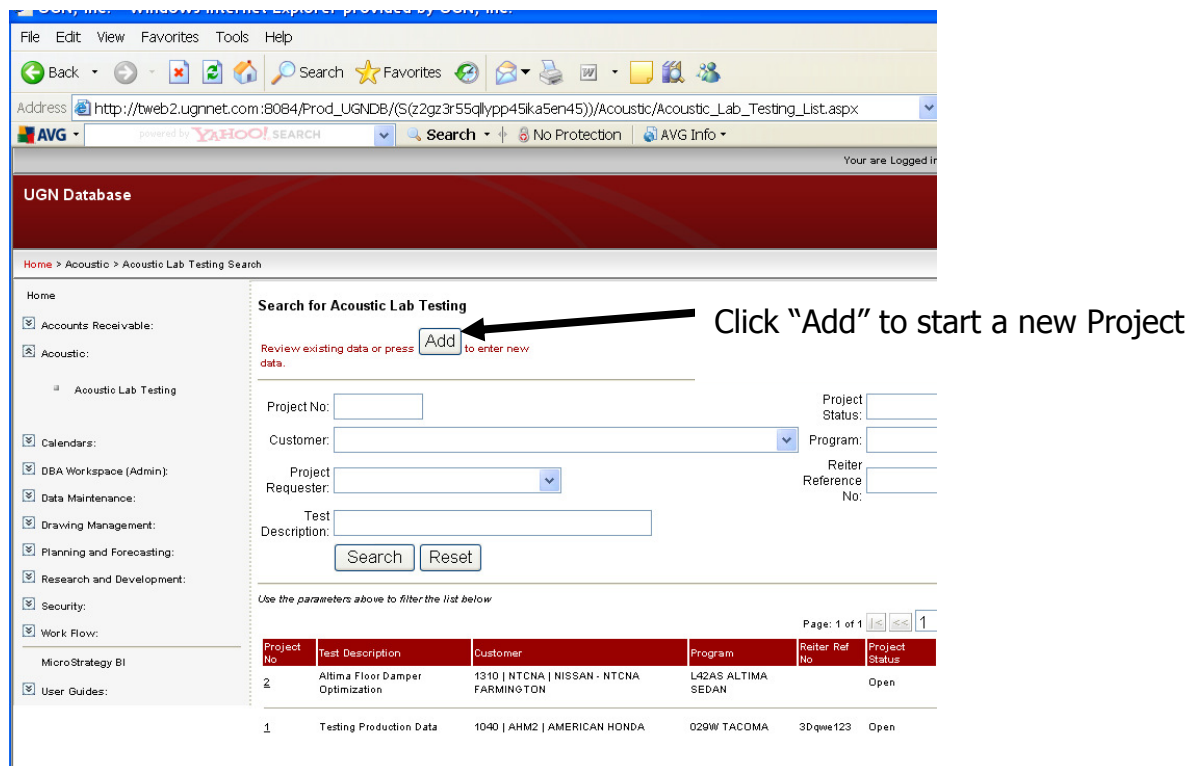


Acoustic Lab Testing Request Procedure

The Acoustic Testing Database can be accessed through the UGN Database page on the company Intranet. Enter the data base by clicking "Acoustic Lab Testing" under the Acoustic drop down.



When in the database, you can create a new project by clicking "Add".



After clicking "Add" you will see the screen below.

You will be asked for several pieces of information. They are described below. The items that are required to submit a request are noted. Please fill in as much information as you have.

- **Test description (Required)** – Short name for your project
- **Customer (Required)** -- pick a customer from the drop down list. For internal research projects, please select one of the UGN facilities
- Program -- if there is a specific program that your project relates to, please select it from the list.
- **Development Expense No.** – If your program has a DE# assigned, please enter it. At the end of every month, I must put together a list of all completed projects, including their costs and DE Accounts, so this will help me immensely because I won't have to track you down.
- **# of test samples** – Should be self explanatory. For most flat sample testing, I usually ask for 5 samples of everything. You will notice on the right side of the screen there is a list of standard sample sizes for different tests.
- **Sample Description (Required)** – A brief explanation of what you are sending to the lab. i.e., flat samples of 1000/800 RUL, Honda Accord Carpets, 2kg Barrier, etc.
- **Project Goals/Description (Required)** – What you would like the lab to do. If there is a particular spec that you need samples to be tested to, please reference it here. If you aren't sure, write to have the lab contact you, and we will contact you.
- **Background** – Any information that may be pertinent to why we are performing this test. Examples: "Validation testing prior to product launch", "Competitor has introduced their material at the customer", "Benchmarking in preparation for quoting carpet on Vehicle X".
- **Reporting requirements** – What do you want to get back from the lab

- *Data only* -- Basically a chart (or several charts) that show the data
- *Lab Data Report* – The short form that the lab has been using for the last few years -- generally one page of project description and basic conclusions followed by a presentation of the data. This is what you would probably want as part of a larger validation report. If you would like to see an example of this format, please contact Dan Rauchholz.
- *Formal Report with conclusions* – A full data report, either in a written report or PowerPoint presentation (or both), detailing the who, what, where, when, why, how of the project and the results. This would generally be reserved for major projects – vehicle benchmarking studies, customer sponsored vehicle studies, etc.
- **Special Instructions** – Anything in particular that you would like the lab to be aware of that hasn't already been covered. "Please return samples to requestor", "Data must be delivered by end of month", "Please verify weights/thickness prior to testing".

When you have filled in the information that you have, press "Save" (Red Circle, below). This will also generate a project #. When the request is ready to be sent to the lab, press "Submit" (Blue Circle, below).

After the project is saved, on the right side of the screen, the "Commodity" Field will appear. Select the commodity that is included in your test from the drop down field as shown below. Then click the disk icon to save. If your project includes more than one commodity, you may enter more in the same fashion.

Project Details | Administrative | Project Reports

* Project Requester: Rauchholz, Dan

Date Requested: 06/08/2009

* Customer: 1412 | TTC | TOYOTA TECHNICAL CENTER

Program: 580L SIENNA

Development Expense No.: D0529

of Test Samples: 5

* Sample Description: New version of the W. T. Burnett TF1100 Foam optimized for acoustic performance.

* Project Goals/Description: Evaluate foam to the acoustic requirements of the Toyota Sienna Hoodliner.

Background: This is the third round of testing.

Commodity

Hood Insulator

Carpet
Damper/Barrier
Damplex
Dash Inner
Dash Outer
Engine Compartment Other
Engine Side Apron
Fiber (RUL)
Foam (RIM)
Headliner
Heat Shield
Hood Insulator
Mod Plate
Mudguard
Other
Package Tray
Sunshade
Trunk Systems
Tunnel Insulator
Under Floor
Upper Seat Back
Wheel House

Select Commodity from drop down list

Select Disk icon to save

After the project is saved, the "Submit" button will also appear at the bottom of the screen. When the request is ready to go to the lab, click "Submit". This will send a notice to the acoustic lab that there is a new project request. The lab will contact you for any additional information and will provide timing and cost estimates.

***Project Goals/Description:** Damper optimization for the Altima Floor dampers. Nissan has requested scanning Laser vibrometry. UGN will contract 3rd party to perform the testings.

Background: Nissan felt that the previous dampers study (2006) was too aggressive on cost reduction and did not protect performance. Someone ran a scanning laser study for them,

Reporting Requirements: Formal Report with Conclusions

Special Instructions: Two Shakers set up per Nissan specs, front and rear. Request Rieter support to disassemble/assemble vehicle and remove/reapply damper.

Submitted to Lab:

Buttons: Save, Reset, Delete, Submit

Please reference the project # on any materials that are being sent to the lab. When data is completed, all reports will be placed in the "Project Reports" section of the project.

After you have saved your project request, you can return to it from the Acoustic Database homepage by pressing the project number.

UGN Database

Home > Acoustic > Acoustic Lab Testing Search

Search for Acoustic Lab Testing

Review existing data or press **Add** to enter new data.

Project No: Project Status:

Customer: Program:

Project Requester: Reiter Reference No:

Test Description:

Search **Reset**

Use the parameters above to filter the list below

Project No.	Test Description	Customer	Program	Reiter Ref No	Project Status	Date Requested
2	Altima Floor Damper Optimization	1310 NTCNA NISSAN - NTCNA FARMINGTON	L42AS ALTIMA SEDAN		Open	06/08/2009
1	Testing Production Data	1040 AHM2 AMERICAN HONDA	029W TACOMA	3Dqwe123	Open	06/08/2009

Page: 1 of 1

Click project number to access your request

If you have questions on anything, or if something isn't working, please contact Dan Rauchholz.