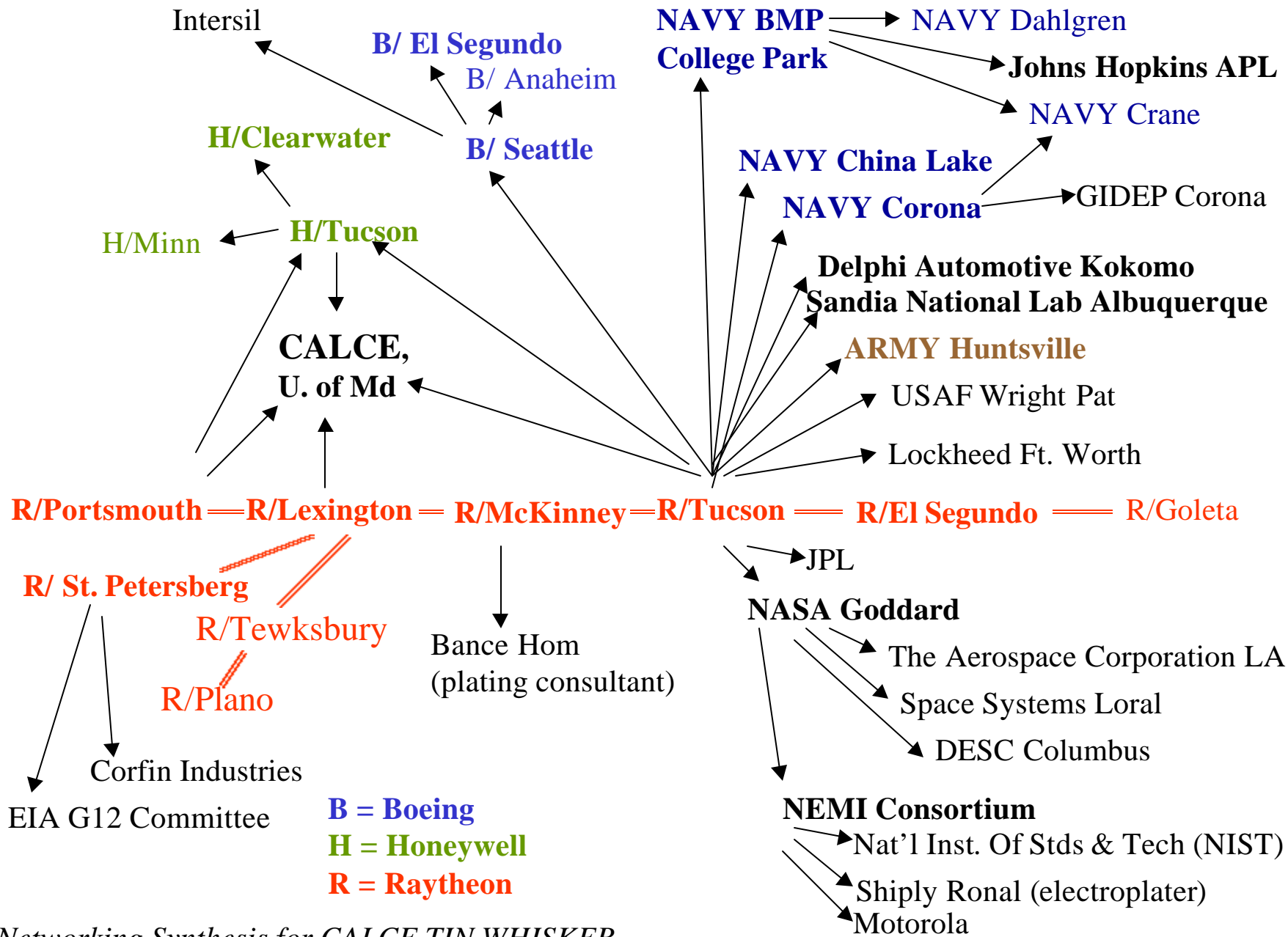


# Tin Whisker Alert Group

A Consortium of Hi-Rel/MIL  
Electronic System Manufacturers  
Coordinated Through  
University of Maryland  
CALCE Consortium

<http://www.calce.umd.edu/lead-free/tin-whisker/>



Networking Synthesis for CALCE TIN WHISKER  
 ALERT GROUP BR, 10/8/02

CALCE Tin Whisker Alert Team, BR10/02

# CALCE Tin Whisker Alert Team outputs

- Position Paper
  - Two page white paper used by government and contractors alike to define the urgency and nature of the problem
- Technical Description of Tin Whiskers
  - Reference document for the position paper,
  - Defines what is known, and what is unknown, about the science of tin whisker growth.
- Tin Whisker Failures
  - Reference document for the position paper
  - Compilation of tin whisker field failure horror stories. From satellites costing \$200 mil, to missiles, to heart pacemakers, tin whiskers have been responsible for huge costs to customers and contractors.

# CALCE Tin Whisker Alert Team outputs - pg 2

- Supplier Survey Questionnaire
  - this is a script used by team members to question suppliers on their current and future plans for use of tin plating
- Supplier Survey Spreadsheet
  - Spreadsheet compilation of the team members supplier survey results. This is a living document which will continue to grow.
- Tin Whisker Risk Mitigation Guide
  - Guide for programs that list the current options (and their relative risks of use) for mitigating tin whiskers if a tin plated component must be used. This is a living document which will grow based on the results of collaborative research.
- GIDEP Agency Action Notice
  - Issued by the NAVY members of the team