Collaboration with PRI, Nadcap, and QPL

About PRI
• The Performance Review Institute (PRI) was created in 1990 by SAE International, and is a not-for-profit organization. It exists to advance the interests of the mobility industries (air, land, sea & space) through development of performance standards and administration of quality assurance, accreditation, and certification programs for the benefit of industry, government, and the general public.
• PRI’s Mission: The PRI mission is to provide international, unbiased, independent manufacturing process and product assessments and certification services for the purpose of adding value, reducing total cost, and facilitating relationships between primes and suppliers.

About Nadcap
• PRI’s industry-managed program for special processes and special products in the aerospace industry. Nadcap is the leading, worldwide cooperative program of major companies designed to manage a cost effective consensus approach to special processes and products and provide continual improvement within the aerospace industry.
• Nadcap’s Mission: To provide international, unbiased, independent manufacturing process and product assessments and certification services for the purpose of adding value, reducing total cost, and facilitating relationships between primes and suppliers.

About Qualified Products Listing (QPL)
• A PRI industry-managed program
• A QPL is a document, which lists manufacturers who have received a PRI product qualification approval letter to a specific standard for specific product designations and plant locations.
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- **Nadcap** provides independent manufacturing process and product assessments and certification services for the composite part fabricators.
  - Specific to Nadcap, PRI offers the following special product accreditations for composites: AC7118, Nadcap Audit Criteria for Composites, with the scopes of prepreg/adhesive bonding, metal bonding and core processing. An additional scope of liquid resin processing will be added this year. Composite manufacturers can also obtain the following special process accreditations: AC7108/3, Nadcap Audit Criteria for Surface Preparation Prior to Metal Bond; AC7114/, Nadcap Nondestructive Testing Audit Criteria. There is also an activity being accomplished in developing material testing audit criteria for composite raw material manufacturers (prepreg, adhesive, fiber, etc.)

- **NCAMP** develops the technical requirements to ensure stable composite material properties through material specifications and other technical documents.

- **NCAMP** to determine the level of involvement needed in the Nadcap Composites and Materials Testing Laboratory Task Groups.

Simply put it... Nadcap focuses on part fabricators and new effort for testing conducted at raw material manufacturers; NCAMP focuses on raw material suppliers
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- PRI hires Nadcap auditors per the technical recommendations established by the applicable special process or special product task group. They are interviewed and approved by the Prime Users typically via a conference call. The auditors audit to the Nadcap Audit Criteria content.

Specifically...
- PRI will monitor the progress of the NCAMP initial material qualification efforts. The technical development of the NCAMP material specifications will be the responsibility of NCAMP. When the AMS specifications are created, and if QPL’s will be a requirement, there are boilerplate PRI-QPL language that can be inserted into the AMS document. Timeliness and early notification of the progress will enable this to flow smoothly and seamlessly. An evaluation of Nadcap audit requirements would need to be looked at from the Qualified Manufacturers List (QML) side. There are QPL’s that require QML and others that do not. A formal Qualified Product Group would also need to be formally established before inserting the PRI-QPL language into the AMS specifications.

Nadcap auditors audit to Nadcap Audit Criteria which is created in the Nadcap Industry-Managed forum which consists of aerospace Primes, government and suppliers/manufacturers representatives