



Research & Technology

GEIA/TechAmerica DMSMS Management Plan Industry Standard Update

**Boeing Research & Technology
November 1, 2011**

Agenda

- Background
- Document Development and Content
- Status and Next Steps

Background

Standard Sponsored by Avionics Process Management Committee (APMC)

The APMC is one of the System Standards and Technology Council Committees of TechAmerica

Scope: Develop Process Management Standards for systems and equipment used in commercial, civil and military aerospace applications

Products: APMC has sponsored standards in the following areas

- **Electronic Component Management (EIA-4899)**
- **Lead-Free Solder (GEIA-STD-0005-1)**
- **COTS Assemblies (EIA-933)**

APMC Members: Includes BAE, Boeing, DMEA, Honeywell, Lockheed-Martin, Northrop-Grumman, Rockwell-Collins, GE Aviation, Corfin Industries

Background

Why is an Industry Standard Needed?

There is currently no TechAmerica Industry Standard for DMSMS

- **GEIA published an Engineering Bulletin (GEB-1) on DMSMS but this is a Best Practices/Guidance document**

TechAmerica currently includes DMSMS Management as an element of Parts Management in Industry Standard EIA-4899 “Standard for Preparing an Electronics Component Management Plan”

- **EIA-4899 provides little detail on what is needed in the DMSMS Management Process**
- **Industry has been forced to interpret EIA-4899 resulting in company specific implementation**
- **Inconsistent flow down of requirements to Supply Chain which hampers Supply Chain’s ability to use a common process for multiple customers**

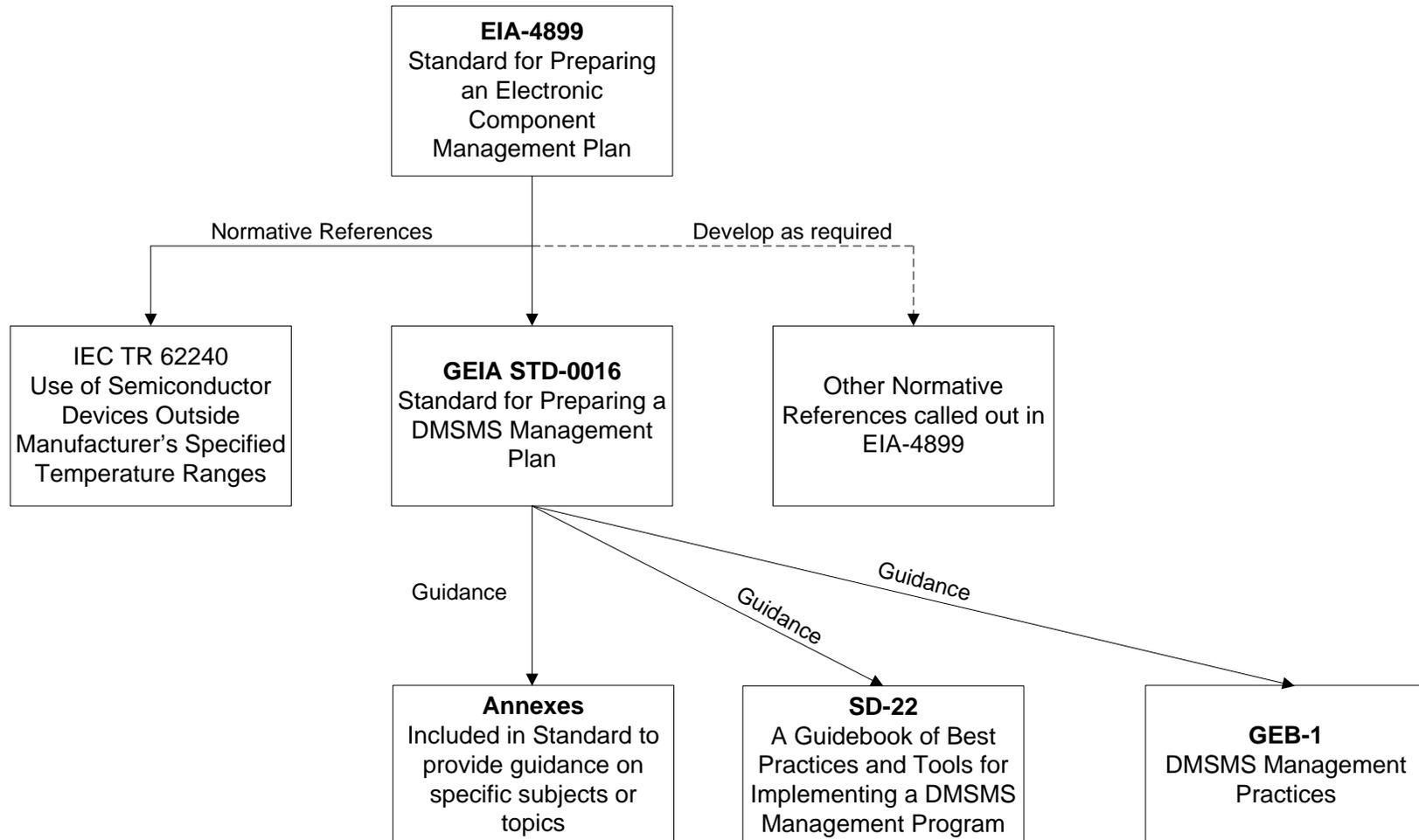
Background

TechAmerica Avionics Process Management Committee voted to kick-off activity to develop DMSMS Industry Standard in May 2010.

- **Boeing was asked to lead the team**
- **Participants drawn from the APMC and the Parts Standardization & Management Committee (PSMC). This partnership proved to be very beneficial.**
 - PSMC provided opportunity for significant DoD participation
 - Enabled Team to develop a Standard that meets requirements for commercial and military aerospace hi-rel applications
 - Opened the possibility of DoD “Adopting” the Standard after release
- **Team kick-off meeting held in July 2010**

Standard Development

TechAmerica Parts/DMSMS Document Tree



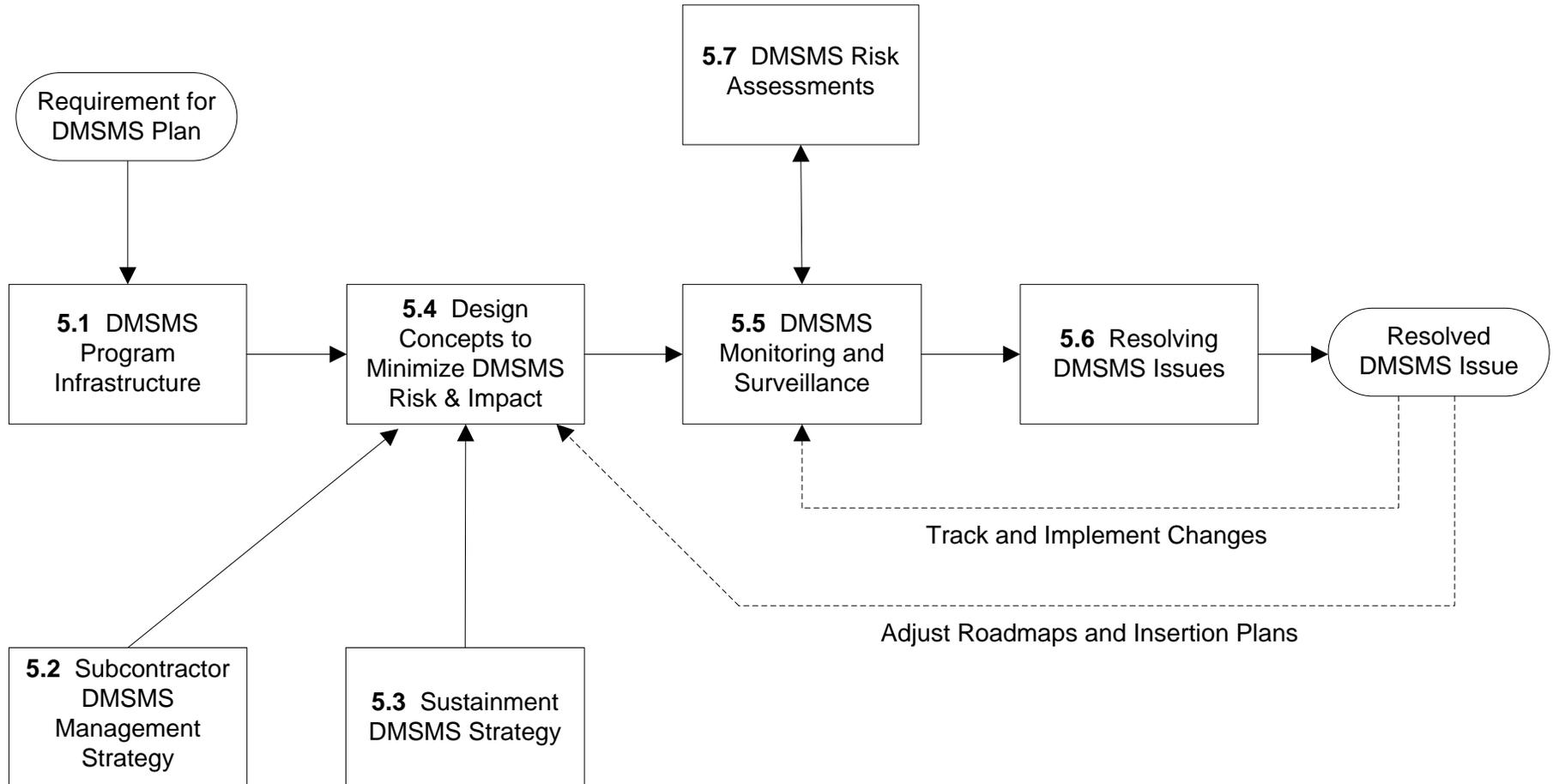
Standard Development

Purpose of the Standard is to define the minimum requirements of a DMSMS Management Plan

- **Describe a proactive DMSMS Process**
- **Life Cycle focus covering Design, Manufacturing and Support**
- **Intended for System Integrators, Original Equipment Manufacturers and Logistic Service Providers of Aerospace and Hi-Rel equipment**
- **Document will not contain detailed “how to” language on implementing specific requirements**
- **Leverage existing best practices documented by Industry**
- **Additional guidance provided in Annexes and also reference other DMSMS Guidance Documents (SD-22, GEB-1)**

Document Content

Technical Requirements



Document Status

Team completed final draft of Standard on March 22, 2011

**Standard went to Ballot to TechAmerica APMC members on April 6.
Balloting closed on May 12.**

- **Document was approved pending disposition of comments**
- **Team reviewed comments, formal response in July 2011**
- **All responses to comment were accepted by APMC members that submitted them**

DoD also performed concurrent review of Standard in April and May 2011.

- **Led by the Defense Standardization Program Office (DSPO)**
- **DoD comments were reviewed and dispositioned jointly with APMC comments**

DSPO also led effort to have DoD “Adopt” the TechAmerica Industry Standard once it is released

Document Status

Standard completed editorial and TechAmerica Legal review in August

- Document has been released by TechAmerica, available for sale
- Document Number is GEIA STD-0016

Designation as Industry Standard requires ANSI Review

- APMC submitted GEIA STD-0016 for ANSI review in August
- ANSI opened document for Public review and comment in September. Review period closed on October 24. No comments were received.
- TechAmerica now working on getting ANSI approval

APMC has also approved a Project to develop Verification Criteria for GEIA STD-0016