National Defense Industrial Association

NDIA Trusted Microelectronics Joint Working Group

Team 3:
Trustable Microelectronics Standard Products

Presented by
Mr. Dan Campion, Honeywell International
at NDIA's 7th
Trusted Microelectronics Workshop
August 16th & 17th, 2016

Team Members

	Name	Organization
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7	Ken Lebo	VanDyke Technology Group
8	Daniel Marrujo	DMEA
9	Dave Meshel	The Aerospace Corporation
10	Syd Pope	Contractor to DASD SE
11	Vashisht Sharma	Institute for Defense Analyses
12	Christopher Sims	NSWC Crane
13	Roger Van Art	Jazz Semiconductor Trusted Foundry, Inc.

Deliverable

The Trustable Untrusted Parts Joint Working Group deliverable will be a best practices recommendations Report based that explores the concept of assurance and risk in using parts not manufactured by a DMEA accredited Trusted flow.

The report will answer the following questions:

- Q1: What are recommended methods for achieving confidence and assurance for a system or sub-system consisting of commercial microelectronics parts for DoD applications (DODI 5200.44) that are not manufactured using a DMEA Trusted flow?

- Q2: What are the effectiveness (assurance) and are the limitations (remaining risk) with the recommended methods?

- Q3: How much will it cost to implement these methods?

Milestones

MS1 - Aug 16, 2016 – Trusted ME Workshop: Share Deliverables and Approach

MS2 - Feb 2017 – Trusted Microelectronics Workshop: Presentation

MS3 - Mar 2017 – GOMACTech: Presentation + Final Draft

Approach

This team will strive to leverage existing research and materials where possible. Interviews will be conducted with relevant industry subject matter experts (e.g., product integrity) to augment primary information from DoD Prime/Sub-Contractors and targeted adjacent industries to achieve product security/safety/quality.

The recommendations in the report will be based existing best practices and technologies without attempting to define processes or technologies that need to be developed.