



APEX
NEMI Free Forum

Supply Chain Partners in Collaboration – A Standardized Industry Approach

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Agenda

- Alphabet Soup: NEMI, VFIIP, PDX - Barbara Goldstein, NIST
 - ◆ Relationship with RosettaNet - John Cartwright, Intel
- Industry Need, EMS Deployment Plans - John Minchella, Celestica
- EMS Deployment Plans - Ben Poole, SCI
- OEM Deployment Plans - Frank McBryan, Nortel
- Vendor Deployment Plans - Doug Furbush, GenRad
- Prototype Testbed - Andrew Dugenske, Georgia Tech

National Electronics Manufacturing Initiative

- NEMI Roadmaps the Needs of the North American Electronics Industry.
- NEMI Identifies Gaps in the North American Infrastructure.
- NEMI Stimulates R&D Projects to fill these Gaps.
- NEMI Establishes Implementation Projects to Eliminate these Gaps.
- NEMI Stimulates Standards Activities to speed the Introduction of New Technology.

Roadmap Technology Drivers

“Factory Information Systems cost too much, they are inflexible and we do not understand how they work.”

December 1996 NEMI Roadmap

Technology Drivers:

Complexity requires flexible, high-capital factories with best-of-breed software

Competition forces shortened Concept-to-Market and Order Fulfillment cycle times

Cost requires increased factory utilization and efficient processes

Customer expectations demand custom products at mass-production prices

Globalization has created distributed supply chains, facilities and partnerships



Virtual Factory Information Interchange Project

Objective: to define or identify standards which when implemented will shorten the time and reduce the cost to establish and maintain information exchange partnerships across the electronics manufacturing supply web. Builds on the NEMI Plug & Play Factory Project.

NORTEL
NETWORKS™

intel.

Lucent Technologies
Bell Labs Innovations



CELESTICA

SCI

SOLECTRON.

GenRad

PTC
Shaping Innovation

ingenuus™

Netfish
TECHNOLOGIES

AGILE
SOFTWARE

EXTRICITY.

VALOR

NIST United States Department of Commerce
National Institute of Standards and Technology



Home of the 1996 Olympic Village
Georgia Institute of Technology

VFIIP Deliverables

IPC 2571

**Requirements for Product Data eXchange
Working Draft**

IPC 2571 DTD

**Combined DTD for the IPC 2571, 2576,
2578**

IPC 2576

**Sectional Requirements for the Supply
Chain (B2B) Communication of As-Built
Product Data (Genealogy) Working Draft**

IPC 2578

**Sectional Requirements for Bill of
Materials Data eXchange (PDX) Working
Draft**

PDX is out for Comment

<http://www.gencam.org/document/relpubs/relpub.htm>

For more information:

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