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NIST Trust and Provenance in the Semiconductor Supply Chain Workshop

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About Intel Government Technologies

SANTA CLARA, Calif., Aug. 30, 2011 – Intel Corporation today announced the formation of a wholly owned subsidiary, Intel Federal LLC, to provide strategic focus in order to better address new opportunities in working with the U.S. Government.

Today:

- 13 years of service to the Nation and Intel
- ~200 core employees (~500 total assigned)
- ~30 active federal contracts

Mission:

- Provides comprehensive solutions and services to the Government and it's Contractors
- Develops and enables 'One Intel' capabilities independently of product or service lines
- Engages with the Government and its Contractors to enable compliant controlled material handling
- Leads Intel's Government bid, proposal, contracting, and program management efforts across all Intel Businesses

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50+ Years Of Products

1968
—
Intel Founded

1969
—
3101 Memory Chip

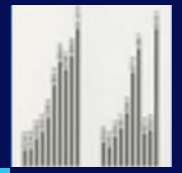
1971
—
4004 Processor

1974
—
8080 Processor

1978
—
X86 Architecture

1980
—
Ethernet Collaboration

1981
—
Personal Computer



1983
—
$1B Revenue

1989
—
486 Processor

1991
—
Intel Inside®

1993
—
Pentium® Processor

1994
—
$10B Revenue

1995
—
USB

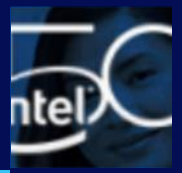
1998
—
Intel® Xeon™

2003
—
Multi-Core Architecture

2005
—
Centrino®

2006
—
Intel® Core™

2011
—
3D Trigate Transistor & Thunderbolt™



2018
—
50 Years

2020
—
Brand Refresh

2021
—
Intel Foundry

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New Approach
for a New Era
SOFTWARE FIRST DESIGN MINDSET
AI-DRIVEN SYSTEM DESIGN
PURPOSE-BUILT SILICON
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Intel Worldwide Headquarters
Santa Clara, California

Wafer Fabs Assembly & Test Planned Site

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Security expectations are moving deeper into the supply chain, increasing requirements

2000's Physical

- Embeds transportation security requirements and audits in contracts.
- Co-author for Customs Trade Partnership Against Terrorism
- Founding Member of Transported Asset Protection Association

2010's Digital

- Intel Security First Pledge
- Intel Product Assurance & Security Organization Created
- Launched Compute Lifecycle Assurance
- Formal supply chain security program and cyber risk management established
- Intel partners with NIST for Cybersecurity Framework

Today Comprehensive

- Partnering with Government and Industry to advance transparency
- Expanding our commitments to strengthen system security
- Ensuring compliance to new and emerging standards
- Collaboration to set the new standards

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Physical Security

- Intel Work Site security
- Fab Security
- Logistics & Transportation Security

Supply Chain Security

- Internal Procurement Security Practices
- Supplier Security practices
- Security Regulatory compliance

Product Security

- Secure Development Lifecycle
- Intel® Transparent Supply Chain
- Compute Lifecycle Assurance

Information Security

- Defense in Depth Cyber Security Model
- 3rd Party Information Security
- Investigation & Remediation

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Supply Chain Foci

SUPPLY CHAIN SECURITY

- Supplier and policy Assessment/Audit
- Cyber Event Response

REGULATORY COMPLIANCE

- Government Regulatory Compliance (NDAA Section 889 & Section 5949)
- Privacy Compliance (GDPR, EU Data Transfers, PIPL, EO 13873, 14034, 14117)
- Anti-Counterfeit AS5553

SECURITY INNOVATION

- Industry Benchmarking
- New capabilities

DELIVER TO CUSTOMERS

- Contractual commits
- Centralized Customer Response

POLICY & STANDARDS

- US and Global policies legislation and standards (CHIPS Act Executive Orders on Supply Chain, NIST, DHS, SBOM)
- Promote secure Security Chain practices across ICT industry

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Supplier Network

- Selection/Supplier Development
- Contracting & Audits
- Continuous Cyber Monitoring
- Customer Requirements in Consideration

Global Operations

- Digital – Data, Application, Endpoint, Network, Perimeter
- Physical – Corporate, Regional, Audits, Crisis Management

Customer Ecosystems

- Hardware
- Software
- Systems
- Ecosystem Partnerships

Security in Depth

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intel RISE

Responsible

- Responsible Minerals. Expanding our efforts beyond conflict minerals to cover all minerals used in semiconductor manufacturing and apply the learnings to lead our industry in creating new sourcing standards.

- Supply Chain Human Rights. Scale our supplier responsibility programs to ensure respect for human rights across 100% of our contracted suppliers and all high-risk identified suppliers in the supply chain.

Inclusive

- Supplier Diversity. Increase global annual spending with contracted diverse suppliers by 100%, from $1B to $2B by 2030.

Sustainable

- Chemistry. Enable greener and circular chemistry strategies across the technology industry value chain by transforming chemical footprint methodology.

- Environment. Collaborate with Intel's world class supply chain to drive upstream GHGs 30% lower by 2030 than they would be in the absence of action.

- Environment. Build new factories and facilities to US Green Building Council green building standards.

- Waste Chemistry. Implement circular economy strategies for at least 60% of Chemical Waste Streams with 0% waste to landfill.

One third of Intel's 2030 RISE goals are supply chain-related.
For more information visit intel.com/responsibility.

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Thank you!

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