



**High Confidence Medical Device Software  
and Systems Workshop:  
Role of the NITRD Program and the  
NCO/NITRD**

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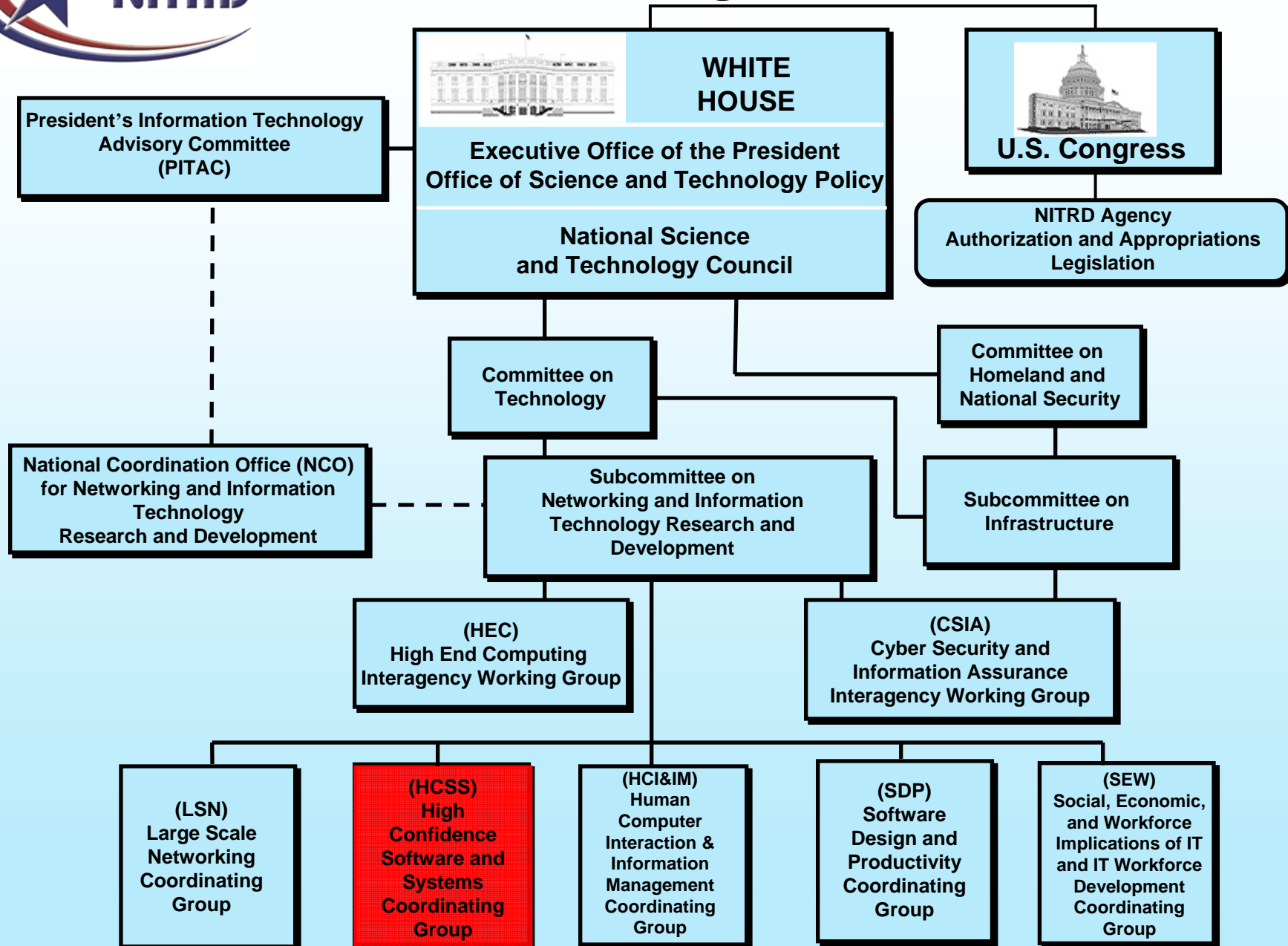


## Overview of the NITRD Program

- **Authorization of the Networking and Information Technology Research and Development (NITRD) Program**
  - **High-Performance Computing Act of 1991**
  - **Next Generation Internet Research Act of 1998**
- **NITRD Subcommittee, National Science and Technology Council (NSTC)**
  - **Representatives from 12 program agencies + OMB + OSTP + NCO/NITRD**
  - **Has two Interagency Working Groups (IWGs) and five Coordinating Groups (CGs)**
- **Budget of \$2.2 billion in FY 2006**



# NITRD Program Coordination





## Agency NITRD Budgets by PCA

### FY 2006 Budget Requests (dollars in millions)

Agency	HEC I&A	HEC R&D	HCI&IM	LSN	HCSS	SDP	SEW	Totals
NSF	201.8	105.0	168.5	94.5	76.0	65.4	92.1	803
NIH	135.1	67.3	171.0	76.6	12.3	26.4	12.0	501
DOE/SC	105.7	82.0		36.2			3.5	227
DARPA		81.0	74.4	20.8				176
NSA		36.9		1.5	62.2			101
NASA	34.0		14.5	13.0	12.8			74
AHRQ			38.0	30.0				68
NIST	5.4	0.6	8.6	4.6	18.0	4.8		42
OSD					2.5	20.0		22
NOAA	13.7	1.8	0.5	2.8				20
EPA	3.3		3.0					6
<b>Subtotals</b>	<b>499.0</b>	<b>374.6</b>	<b>478.5</b>	<b>280.0</b>	<b>183.8</b>	<b>118.1</b>	<b>107.6</b>	<b>2041</b>
DOE /NNSA	33.1	30.5		14.3		31.6	4.4	114
<b>Totals</b>	<b>532.1</b>	<b>405.1</b>	<b>478.5</b>	<b>294.3</b>	<b>183.8</b>	<b>149.7</b>	<b>112.0</b>	<b>2155</b>

**Other participating agencies: AFRL, ARO, DHS, FAA, FDA, NARA, ONR**



## **NCO/NITRD Objectives**

- **To support NITRD-related policy making in the White House Office of Science and Technology Policy (OSTP)**
- **To serve as the Federal focal point for interagency technical planning, budget planning, and coordination for the Federal NITRD Program**
- **To serve as a source of timely, high-quality, technically accurate, in-depth information on accomplishments, new directions, and critical challenges relevant to the NITRD Program**
- **To augment the impact of information technology R&D as a transforming force for societal and economic good**



## **Role of the NCO/NITRD in NITRD Program Activities**

- **The NCO helps the Interagency Working Groups and Coordinating Groups identify their research needs and then plan, budget, and assess progress in addressing those needs.**
- **The work of the NITRD Program and the NCO/NITRD is performed in the context of real, important, hard problems.**
  - **High confidence medical device software and systems typify such problems**
- **Programs and activities are implemented via interagency meetings, and workshops and conferences that involve academia and industry.**
- **The medium for informing our customers and the general public about NITRD activities is primarily through published reports including:**
  - **Annual Supplements to the President's Budget**
  - **Research Needs reports**
  - **<http://www.nitrd.gov/pubs/>**



## **Programmatic Vision for the NITRD Program**

- **Increased NITRD interagency R&D coordination and planning activities**
- **Increased conferences, workshops, and meetings that aid in identifying NITRD needs in strategic areas that are aligned with and benefit national priorities**
- **Increased NITRD agency interaction and outreach with non-governmental experts to help identify and implement NITRD Program priorities**







## **HCMDSS Workshop's Importance to the NITRD Program Continued**

- **The Government cannot solve these problems alone. Continuous outreach to experts in academia and industry is critical for stimulating and galvanizing current and future generations of researchers to solve IT hard problems affecting medical devices. That's why we're all here today.**



## Questions?

- Visit <http://www.nitrd.gov/>
- Send e-mail to [nco@nitrd.gov](mailto:nco@nitrd.gov)
- Call us at (703) 292-4873