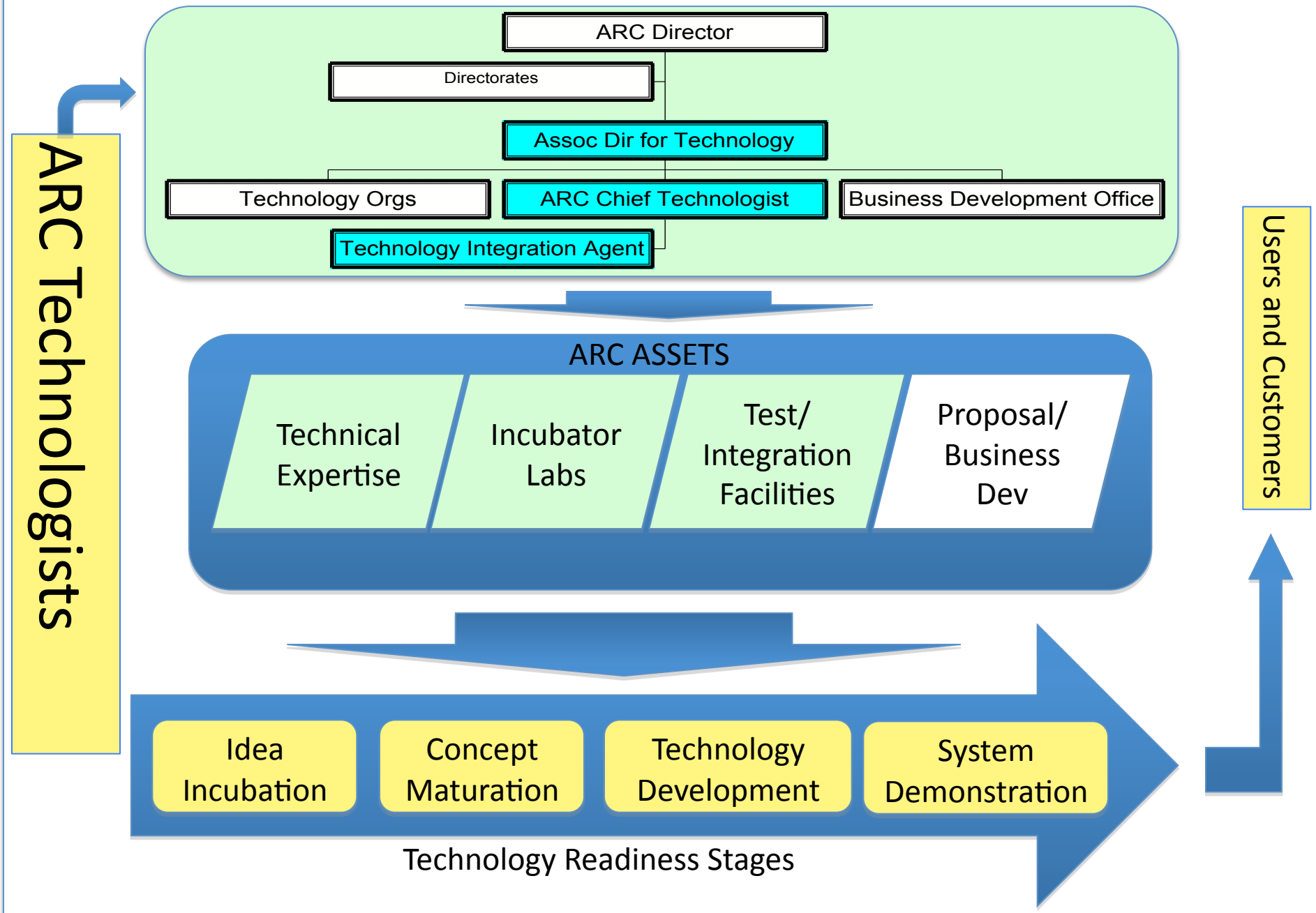
http://arctek2012.arc.nasa.gov/

ARC Technology Resources and Flow



ARCTek 2012 Strategic Technology Vision for Ames

WHY?

To Bring the ARC Technology Community Together in order to Communicate and Discuss ARC's Technology Opportunities, Focus and Future Direction ...

ARCTek 2012 Strategic Technology Vision for Ames

WHAT?

- **To Get a Clearer Picture of ARC Management Vision and Projections**
- **To Better Understand our Capabilities, and Refine and Enhance the Vision**
- **To Engage the ARC Workforce and Partners to Contribute Individually and Collectively**

ARCTek 2012 Strategic Technology Vision for Ames

HOW?

- **Center Management Panel (Tech Org Subset) will give very short overviews concerning:**
  - **National and Agency needs, Mission Directorate needs, and**
  - **Some of the ways the Center is preparing to address those Mission Directorate Opportunities, other funded activities, and the most important technology targets for the future.**
- **Participants will Engage in Short Q&A Period with Presenters**
  - **Full Audience will Participate in Whiteboard Breakout Groups During Full Interactive Session**
- **Participants to provide feedback and input**

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ARCTek 2012 Strategic Technology Vision for Ames

Three Track Forum

- ***Track 1 – Communicating the Vision [today]***

- ***Track 2 -- [TBD follow-on… ~ 18 Jan + 4 weeks] – Collecting Center Feedback using online tools***

- ***Track 3 -- [TBD follow-on… ~ 6 March] – Discussion of Strategic Vision; Presentation of Technology projects***

- ***ARCTek 2011 Products –Strategy; Tools; Communication***

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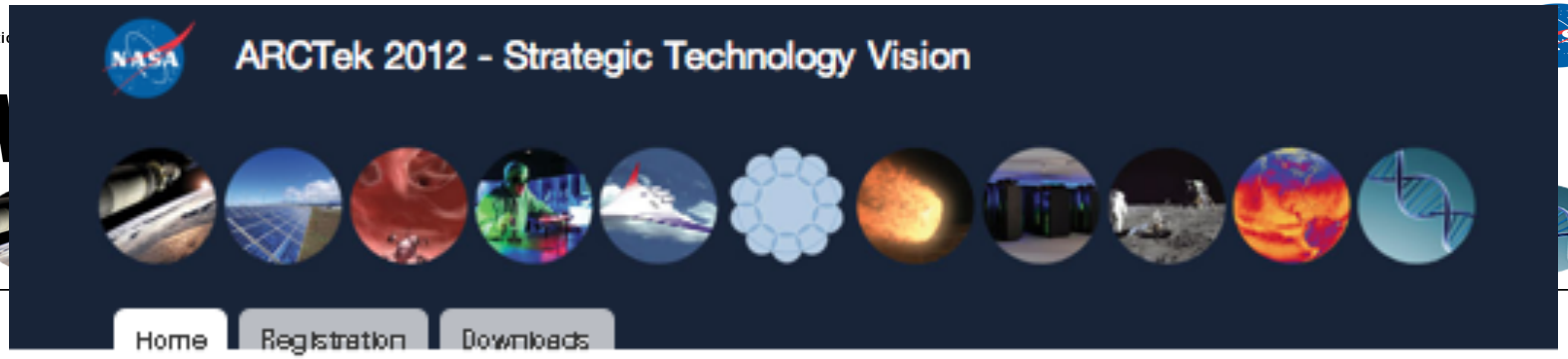
Follow-on Activities (subset of planned)

- Barriers to Innovation and Mitigation Strategies
- Seminars
- Strategic Studies and Initiatives
- Technology Portfolio
- Technology Forums
- Special Topics and Tiger Teams
- Discussion Groups
- Visiting Technologists
- Technology Networking (physical and virtual)
- Technology Maturation and Development
- Proposals -- Projects – Products
- …more (*your ideas here*)



Welcome to ARCTek 2012

We invite the Ames community to participate in the Center's first interactive session on our technology activities – to communicate and understand our technology capabilities and identify development and collaboration opportunities. Our Center Director and a panel of science and technology organization directors will present their perceptions of the technology directions of the Agency, NASA's mission directorates, and the Space Technology Office. We will then seek your reactions and feedback – realtime. We hope that this initial activity will continue to advance our efforts to keep Ames innovative, maintaining our reputation as NASA's "go-to" center for technology and innovation, and staying on the nation's technology cutting edge.

It is not a requirement that you work for Codes A, S, or T for you to participate – we are seeking a diversity of ideas and open discussion. We will follow up over the course of 2012 with a variety of activities to stimulate innovation at the Center.

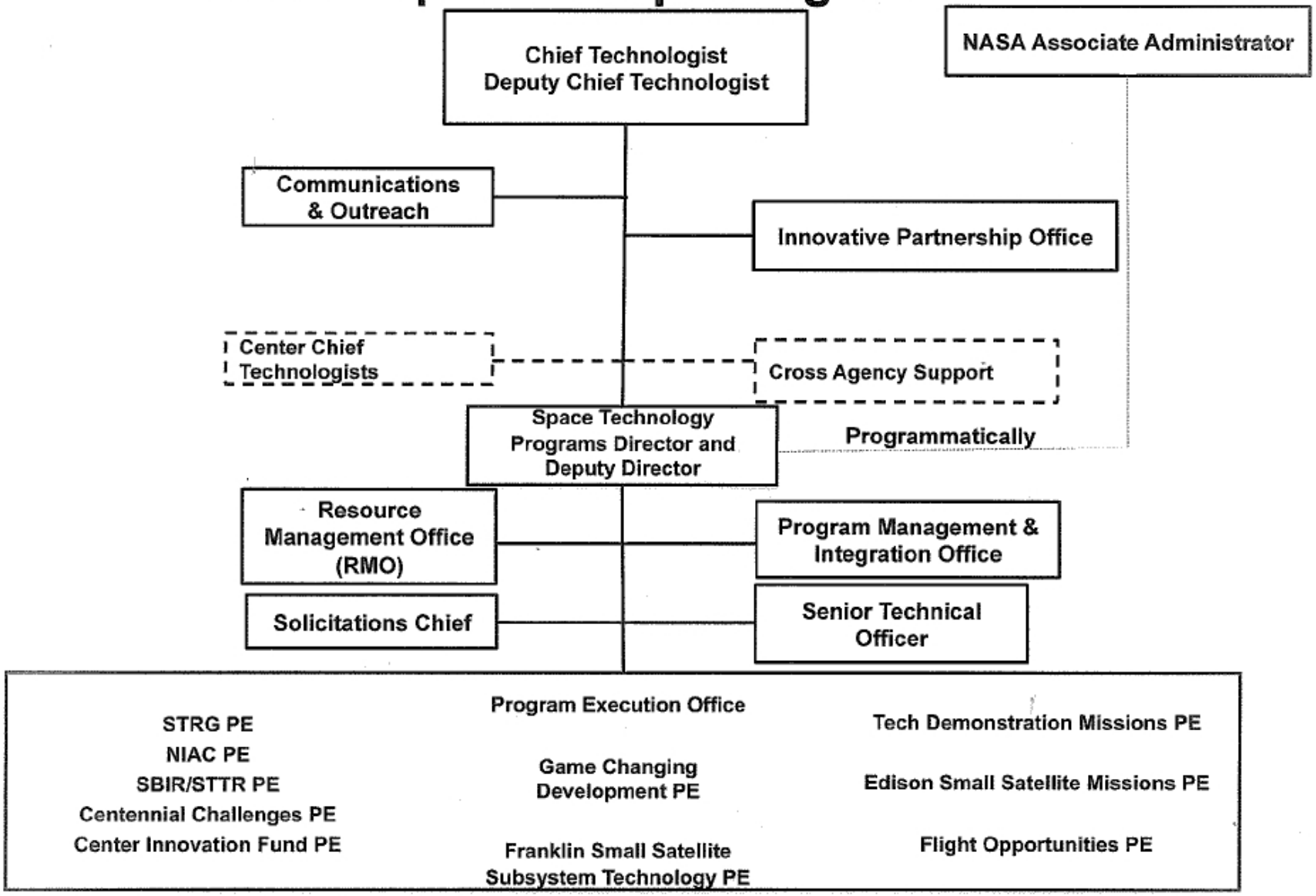
ARCTek 2012 Phase 1 - Define and Communicate our Ames Strategic Technology Vision

On January 18, Pete Worden will set the stage with a short overview of national and agency technology goals and priorities. Steve Zornetzer, the Associate Center Director (Technical) will illuminate some of the ways the Center is currently restructuring to meet those priorities. A panel of org directors will share their insights into specific NASA mission directorates and their technology needs and directions. Finally, I will talk about the Office of the Chief Technologist (OCT) and OCT-supported work and opportunities.

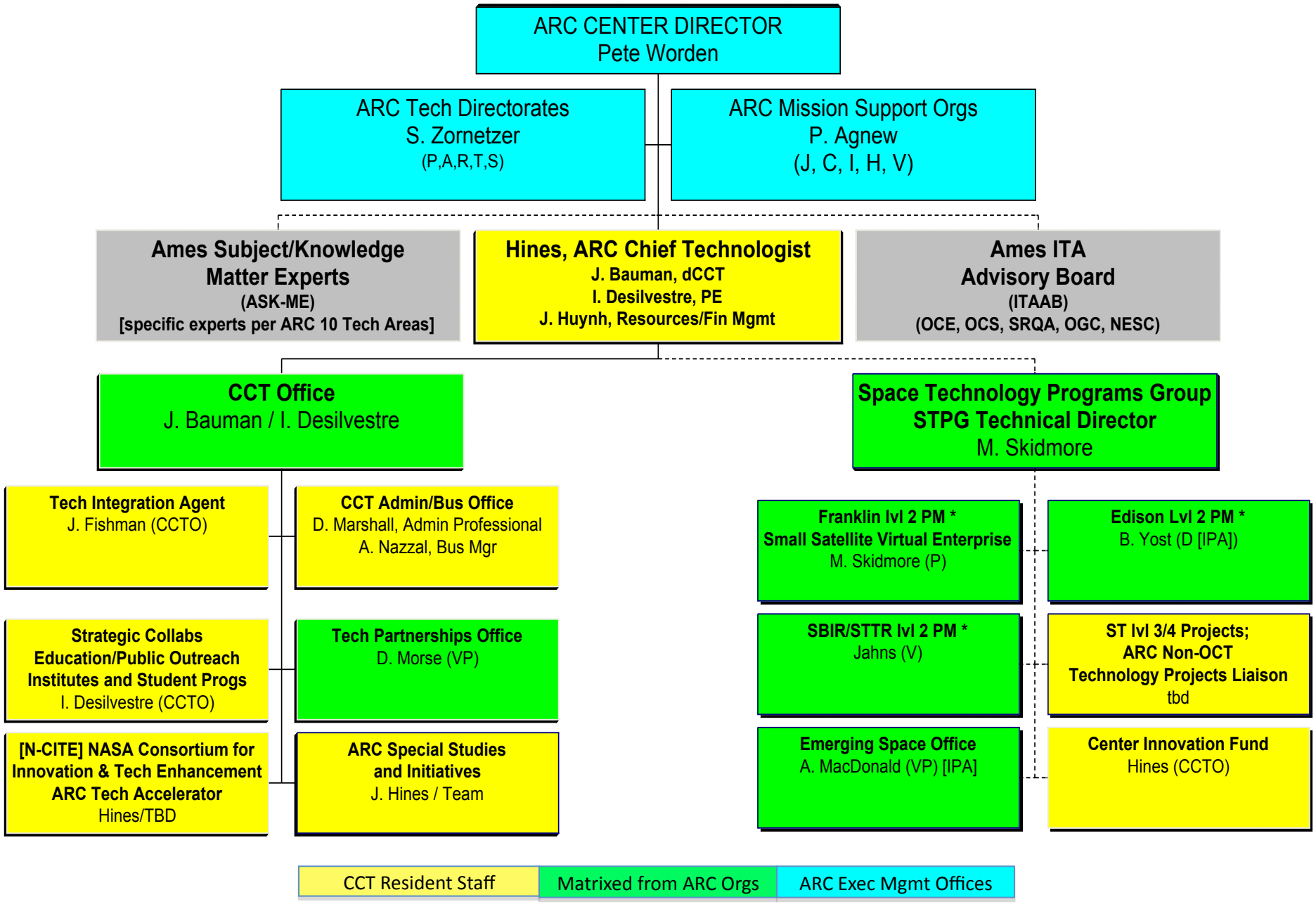
Following these short presentations, we will use a number of white boards to solicit your ideas and feedback in order to identify gaps, strengths, weaknesses, potential partners, and likely customers, and also your thoughts on how the Center Chief Technologist might better support innovation at Ames.

http://arctek2012.arc.nasa.gov/

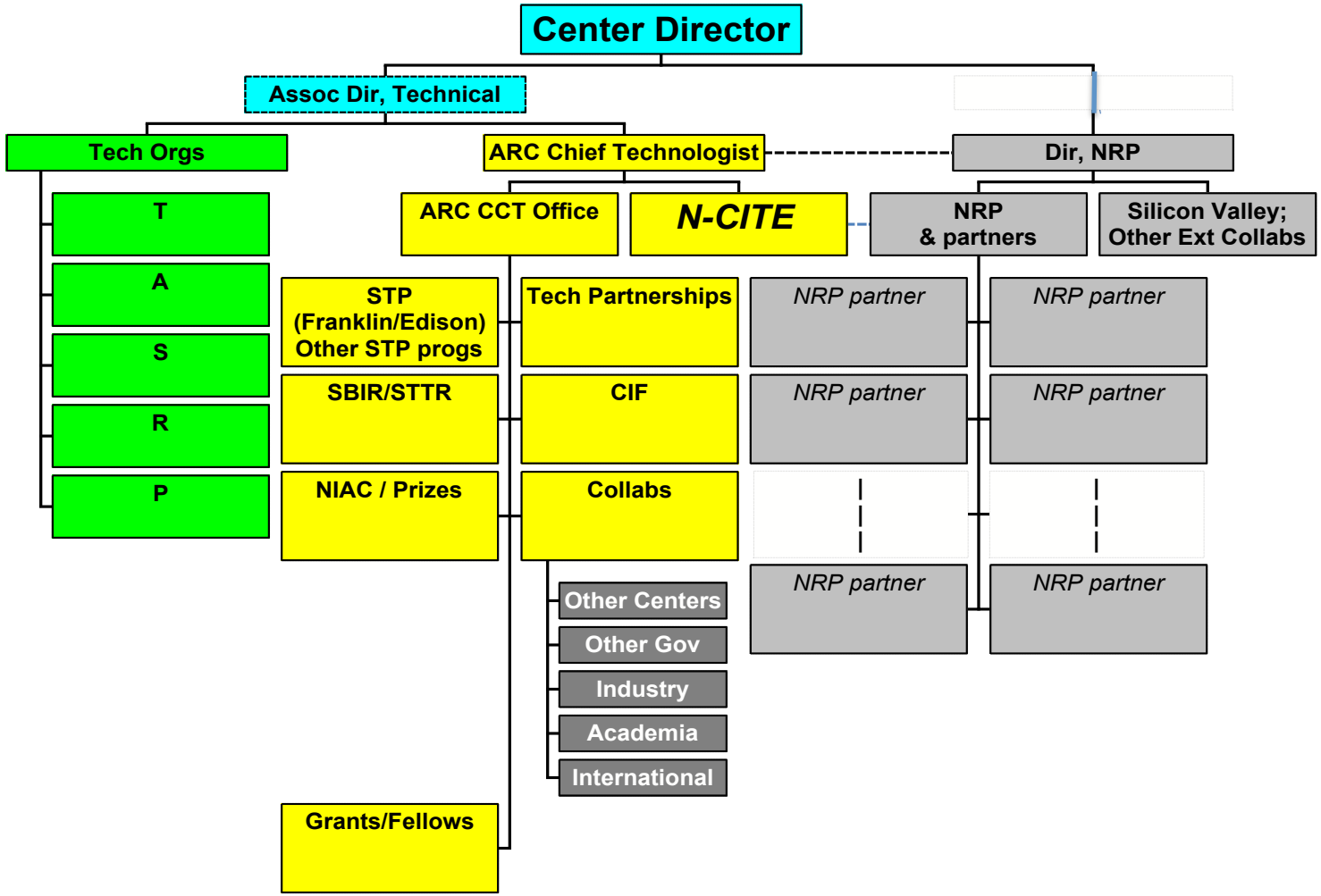
OCT Proposed Reporting Structure



ARC Office of Center Chief Technologist (OCCT) - 2012



NASA-Ames Consortium for Innovation and Technology Enhancement (N-CITE) --- *positioning*



The NASA-Ames Consortium for Innovation and Technology Enhancement (N-CITE) is proposed to be established as a multidisciplinary, product-oriented technology development and applications accelerator. NCITE will be coordinated through the ARC Chief Technologist's office, with the ARC Associate Director for Technology functioning as the Senior Advisor and Executive Management point of contact. To facilitate communication and interaction with collaborators in the NASA Research Park and other external partners and associates, N-CITE is envisioned to be primarily located in building 19 in the NASA Research Park, with extensions to the ARC Chief Technologist offices in building 202, and in association with ARC technology organizations located inside the ARC main campus.

ARCTek 2012 Strategic Technology Vision for Ames

Expected Outcome

- Management and Staff will begin to Better Share a Common Understanding of ARC's Strategic Context, and How to Position Ourselves to Positively Respond to and Address Technology Opportunities
- Awareness, Participation and Inclusion of the Entire ARC Technology and Mission Support Community .....and Partners

– Civil Servants	-- Other Centers
– Contractors	-- Other Government
– NRP	-- Silicon Valley
– Academia	-- Industry / Entrepreneurs
– International Collaborators	-- Consortia

National Aeronautics and Space Administration

ARCTek 2012 Strategic Technology Vision for Ames

January 18, 2012 from 8:00-12:30PM in Building 152

AGENDA

8:00	Registration	
8:50	Welcome	John Hines
9:00	Technology Needs: Nation and Agency (taped)	Pete Worden
9:15	Technology at Ames Research Center	Steven Zornetzer
9:30	Technology Needs: Aeronautics	Huy Tran
9:45	Technology Needs: Exploration	Eugene Tu
10:00	Technology Needs: Science	Michael Bicay
10:15	Technology Needs: OCT	John Hines
10:30	Introduction of Discussion	Sal Rositano
10:45	White Board Discussions	All
12:00	Conclude	

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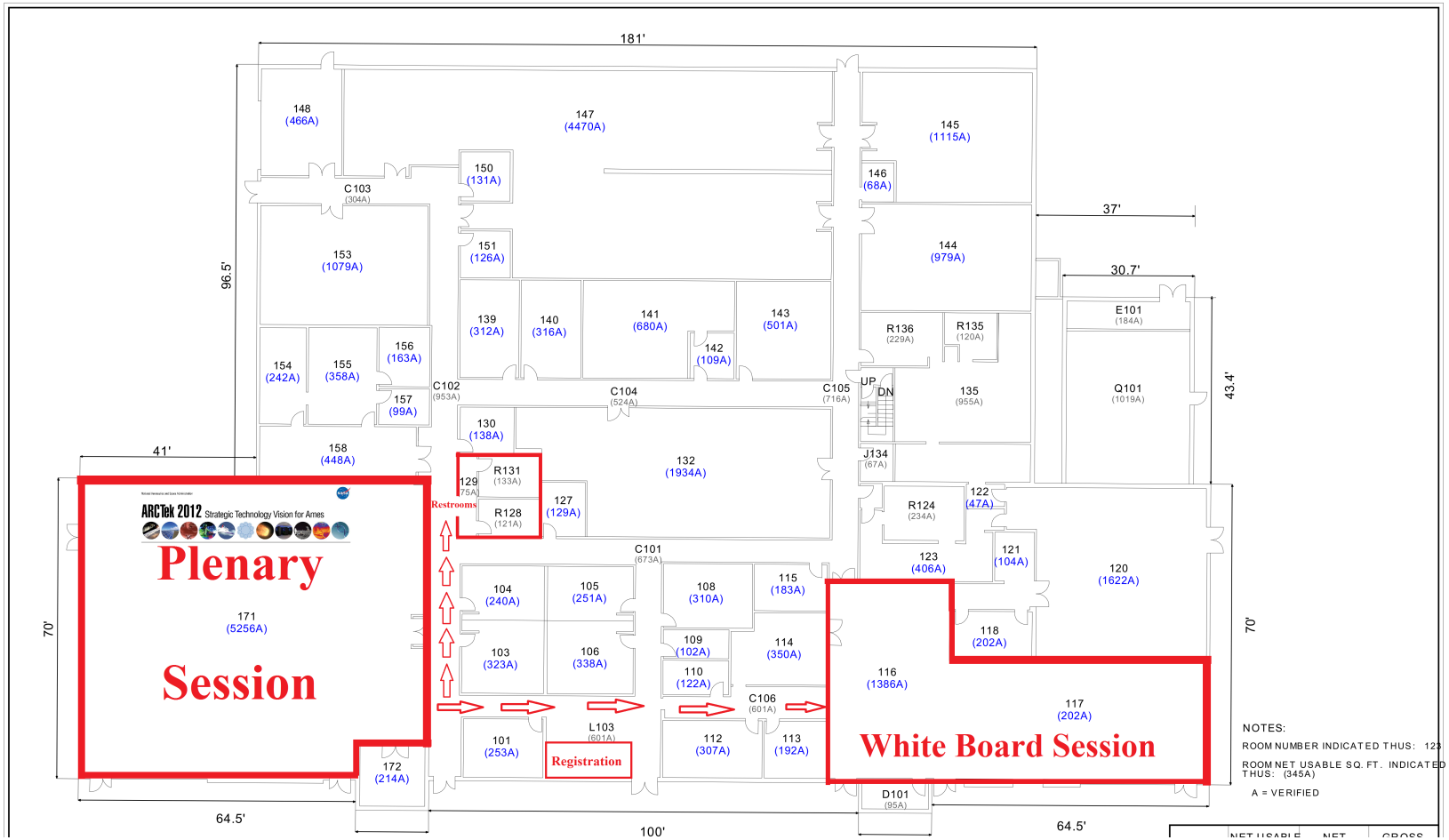
Building 152 Floor Plan