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Need for Separate Questionnaires for NSTC and NAPMP.

The current questionnaire conflates the focuses of NSTC and NAPMP. NSTC enhances the semiconductor-centric ecosystem, while NAPMP includes broader objectives like advanced packaging across multiple materials. Separate questionnaires would better address the distinct strengths and needs of each program.

Misalignment with Broader NAPMP Vision.

The current questionnaire has a narrow focus on semiconductor companies and silicon, which does not express NAPMP's broader vision. NAPMP aims to establish advanced packaging capabilities across various materials, and the questionnaire should reflect this diversity.

Inclusion of IAC Recommendations.

The questionnaire should incorporate IAC's recommendations, which emphasize creating pilot manufacturing lines, expanding university programs, and building a virtual curriculum. This would ensure a comprehensive ecosystem for chiplet innovation and advanced packaging.

Inclusivity and Representation.

The questionnaire does not address how it will create inclusive opportunities for underrepresented individuals, communities, and populations. This is a critical aspect of the program's goals and should be explicitly included to ensure broad participation and benefit.

Focus on Scalability and Site Selection Priorities.

The questionnaire should address scalability to establish a vibrant and self-sustaining domestic advanced packaging industry. Additionally, it should understand and prioritize elements of the packaging ecosystem, including materials, equipment, processes, and photonics, to build an integrated and effective ecosystem.

Questionnaire Format

The multiple-choice format, combined with a narrow focus on silicon, results in a bias that eliminates opportunities to consider regions that could significantly contribute to reaching NAPMP goals. A more inclusive set of questions should be developed, or open-ended questions should be asked.

Spirit of the Chips & Science Act

The questionnaire, biased towards states that are already strong in semiconductors, does not complement the spirit of the CHIPS & Science Act as stated on August 9, 2022, by The White House: "Economic growth and prosperity over the last 40 years has clustered in a few regions on the coasts, leaving far too many communities behind. The CHIPS and Science Act will ensure the future is made in ALL of America, and unlock opportunities in science and technology for those who have been historically left out"