

Radiation Risk Mitigation and the NRC Report on NASA Technology Roadmaps

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NASA's Office of the Chief Technologist (OCT) drafted a set of 14 Space Technology Area Roadmaps (STARS) as an initial point of departure for mapping NASA's future investments in technology. The Aeronautics and Space Engineering Board of the National Research Council (NRC) appointed a steering committee and six panels to solicit external inputs to and evaluate each of the roadmaps. The study committee was tasked to prioritize the technologies in the roadmaps and consider if additional technologies should be included. Radiation Mitigation for Human Spaceflight was the highest rated technology supporting NASA's objective to "Extend and sustain human activities beyond low Earth Orbit." Dr. Bonnie Dunbar, chair of the panel responsible for technologies supporting human exploration, will discuss the NRC study process and its findings related to radiation risk management.