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Space Technology and System Management Practices and Tools (4)

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**Abstract**

In 2012, the National Aeronautics and Space Administration (NASA) developed the initial edition of the agency's Technology Area Breakdown Structure (TABS) as part of its original Space Technology Roadmaps. TABS served as a valuable tool across the agency and among NASA's partners in industry, academia, and international space agencies to describe the areas where NASA had conducted technology development activities. In 2015 the agency released an update to TABS which, among other updates, expanded its scope to also include NASA's aeronautics technology areas. In continuation of this evolution the NASA Office of the Chief Technologist (OCT) has led the development of the 2020 update that takes the lessons learned from past editions. The updated 2020 NASA Technology Taxonomy, or technology "dictionary", takes a more technology discipline based approach that also realigns like-technologies no matter their application within the NASA mission portfolio. This tool is meant to serve as a common technology discipline-based communication tool across the agency and with its partners in other government agencies, academia, industry, and across the world. This paper will further describe the evolution of this valuable taxonomy as well as the details contained within it.