**LARA: Biologically inspired Engineering and Exploration System M -----Original Message-----From: Linda Mennitt [mailto:felix.com@verizon.net] Sent: Monday, March 14, 20ission concept and components for lunar exploration and exploitation tools.** P.E. Clark1 (Contact Author), S..A. Curtis2, C.Y. Cheung2; M.L. Rilee1, G. Marr2; W. Truszkowski2, Contact address: Pamela Clark, Code 695,05 11:08 PMTo: commentsSubject: fair tax for all Adverse Tax Consequences for Same-Sex Couples 1.Health NASA/GSFC, Greenbelt, MD 20771, 301-286-7457, Pamela.clark@gsInsurance for Partners - A Taxing Proposition: Employees payincome and payroll tax on the health insurafc.nasa.gov; 1Affiliation: L3 Communications, Government Services, Inc., 3750 Centerview Drive, Chantilly, VA 20151, 2Affiliation: Code 695, NASA/GSFC, Greenbelt, MD 20771.

ANTS (Autonomous Nano Technology Swarm) Architecture is well suitnce premiums their employers provide for domestic partners who do not otherwise qualify as dependents. Bed to surface-based forms for use on the Moon or Mars or any relatively low G surface environment, as illustrated by an application called LARA (Lander-Antenna-Rover Arrays). ]. Here, we analyze the nature of components and sequence of behaviors required for spacecraft operational scenarios for an ANTS application in a low gravity surface.

**Introduction**: Basic structural components would , as in other applications, be highly modular, addressable arrays of more robust than Zero G carbon NEMS-based nodes, from which highly morphable struts, tethers, 2D mesh, and 3D fabric could be reversibly deployed for various functions. Individual craft would be released, possiblenefits for different-sex spouses are not subject to this tax. 2.Flexible Spending Accounts Not So Flexiy by a human crew on or near the Moon or from an unmanned facility. Individual craft would be capable of landing on a low G surface, using a miniaturized version of high impulse thruster technology, transforming into rovers, antennas, or more specialized service providers, as needed, and ultimately taking off to return to the point of release.

**Methodology**: We have developed preliminary conceptual and physical models of spacecraft and components and models of the interaction of ANTS at the spacecraft level in order to determine hardware and softwble: Employees can useflexible spending accounts to pay for a different-sex spouse's medical expenses, are requirements for typical operations driven by operating on a low gravity surface to support a human crew.

**Discussion**: As in the other applications of the ANTS architecture, movement would not employ wheels, which work best in a special environment. Instead, the ANTincluding eyeglasses, prescriptions, and co-pays, on a pre-tax basis. These accounts cannot be used for S approach harnesses the effective skeletal/ muscular system of the frame itself to enable more ‘natural’ movement, effectively allowing ‘flow’ across a surface or into a particular morphological form. As rovers, craft would be equipped for exploring, prospecting, monitoring, as required. Craft could individually or collectively form cylindrical or bowl shaped arrays to act as antennas, for communication or astronomical observatories. The architecture a same-sex partner, or even a same-sex spouse. 3.Retirement Savings - Death and Taxes: Tax treatment of would also be useful in the construction of tools and structures for human occupation of permanent bases. ANTS structures, operating continuously or on demand, could be thus used for exploration, reconnaissance, communication, navigation, transportation, construction, permanent monitoring, or observation, protecting human crews and facilitating their work.

**Conclusions:**  The ANTS architecture is a promising approach for supporting human crew activities on the surface of the Moon or Mars as part of the new NASA iniative.

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