



**December 11, 2016**

## **SPACE LAW COMMITTEE NEWSLETTER**

Dear Readers:

Welcome to the Space Law Committee Newsletter. Please feel free to contact us with any questions, comments, or contributions. We highly encourage attorneys, law students, and industry professionals to submit space law-related stories of interest.

Sincerely, the Space Law Committee

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# UPCOMING CONFERENCES AND EVENTS – SPACE LAW

The Forum on Air & Space Law Update Conference  
Washington, DC  
February 24, 2017

<http://shop.americanbar.org/ebus/ABAEventsCalendar/EventDetails.aspx?productId=240556942>

## NEWS UPDATES

Please note that the Space Law Committee has not independently verified and cannot warrant the information stated in materials found via the following links.

### **The Rules: Regulatory & Legislative Policy and Developments**

December 10, 2016

**Senate Passes NASA Authorization at Last Minute, Too Late for House Action This Year**

<http://www.spacepolicyonline.com/news/senate-passes-nasa-authorization-at-last-minute-too-late-for-house-action-this-year>

December 9, 2016

**Trump Transition Team Adds Six More Members to NASA Landing Party - UPDATE**

<http://www.spacepolicyonline.com/news/trump-transition-team-adds-six-more-members-to-nasa-landing-party>

November 23, 2016

**Report finds commercial spaceports confused about insurance requirements**

<http://spacenews.com/report-finds-commercial-spaceports-confused-about-insurance-requirements/#sthash.dG1mbb1K.dpuf>

November 18, 2016

**“Standards and norms” needed in space, Pentagon experts say**

<http://spacenews.com/standards-and-norms-needed-in-space-pentagon-experts-say/#sthash.8O51NuBJ.dpuf>

November 17, 2016

**Commercial space industry seeks regulatory reforms in the Trump administration**

<http://spacenews.com/commercial-space-industry-seeks-regulatory-reforms-in-the-trump-administration/#sthash.fD3SELkr.dpuf>

November 13, 2016

**Space Mining: Luxembourg's New Law To Give Private Companies Right To Outer Space Resources**

<http://www.ibtimes.com/space-mining-luxembourgs-new-law-give-private-companies-right-outer-space-resources-2445432>

November 12, 2016

**China Has A Secret Satellite In Outer Space? Debris Fell In Myanmar With Chinese Writings**

<http://www.scienceworldreport.com/articles/52127/20161112/china-secret-satellite-outer-space-debris-fell-myanmar-chinese-writings.htm>

October 31, 2016

**China And Japan Vie To Shape Asia's Approach To Outer Space**

<http://www.forbes.com/sites/saadiampekkannen/2016/10/31/china-and-japan-vie-to-shape-asias-approach-to-outer-space/#c343aef73af3>

October 25, 2016

**US, China Silent on Space Talks, Except to Say There Will Be More**

<http://www.voanews.com/a/us-china-to-continue-civil-space-exploration-talks/3566037.html>

October 20, 2016

**Pakistan Pushes For Efforts To Prevent Weaponisation Of Outer Space At UN**

<http://www.dawn.com/news/1291138>

October 18, 2016

**FAA and Pentagon foresee gradual transition of space traffic management activities**

<http://spacenews.com/faa-and-pentagon-foresee-gradual-transition-of-space-traffic-management-activities/#sthash.hw4pY57d.dpuf>

October 13, 2016

**Inside The Quest To Create The Nation Of Asgardia**

<http://www.newser.com/story/232468/inside-the-quest-to-create-the-space-nation-asgardia.html>

October 12, 2016

**Could plan for new 'nation in space' on a satellite take off?**

<https://www.newscientist.com/article/2108921-could-plan-for-new-nation-in-space-on-a-satellite-take-off/>

September 20, 2016

**Senate committee approves NASA authorization bill**

<http://spacenews.com/senate-committee-approves-nasa-authorization-bill/>

September 20, 2016

**We Need Clear Rules To Avoid A Real Stars Wars In Outer Space**

<http://theconversation.com/we-need-clear-rules-to-avoid-a-real-star-wars-in-outer-space-65645>

September 15, 2016

**Proposed Legislation Would Close Commercial Space Regulatory Gap**

<http://spacenews.com/proposed-legislation-would-close-commercial-space-regulatory-gap/>

September 15, 2016

**Bridenstine: Legislation Necessary To Regulate New Types Of Commercial Space Activities**

<http://www.spacepolicyonline.com/news/bridenstine-legislation-is-necessary-to-regulate-new-types-of-commercial-space>

## **The Science: Intellectual Property & Innovations**

November 29, 2016

**Smith, Babin Question NASA Assertion that Scientists Now Support ARM**

<http://www.spacepolicyonline.com/news/smith-babin-question-nasa-assertion-that-scientists-now-support-arm>

October 17, 2016

**Why Elon Musk's Mars Vision Needs 'Some Real Imagination'**

<https://www.bloomberg.com/news/articles/2016-10-17/why-elon-musk-s-mars-vision-needs-some-real-imagination>

September 27, 2016

**Elon Musk: A Million Humans Could Live on Mars By the 2060s**

<http://news.nationalgeographic.com/2016/09/elon-musk-spacex-exploring-mars-planets-space-science/>

September 20, 2016

**SpaceX developing massive space ship capable of carrying 100+ humans to Mars and beyond**

<http://www.blastr.com/2016-9-20/spacex-developing-massive-space-ship-capable-carrying-100-humans-mars-and-beyond?>

September 18, 2016

**Elon Musk: SpaceX Mars Spaceship Can Go Well Beyond Mars**

<https://www.inverse.com/article/21108-when-it-comes-to-naming-spaceships-we-re-always-going-with-moya?>

## **The Business I: Contracts, M&A, Joint Ventures, and Corporate News**

November 22, 2016

**SpaceX wins contract to launch NASA Earth science mission**

<http://spacenews.com/spacex-wins-contract-to-launch-nasa-earth-science-mission/#sthash.hM9OAsvr.dpuf>

November 3, 2016

**Elon Musk's SpaceX May Lose Inmarsat Launch Order**

<http://www.wsj.com/articles/elon-musks-spacex-may-lose-inmarsat-launch-order-1478165008>

October 17, 2016

**Vector Space Systems Announces \$60M Agreement with York Space Systems**

<http://www.prnewswire.com/news-releases/vector-space-systems-announces-60m-agreement-with-york-space-systems-300345619.html>

October 11, 2016

**Orbital ATK Awarded Contract to Build Eutelsat Broadcast Satellite**

<https://www.orbitalatk.com/news-room/release.asp?prid=190>

September 30, 2016

**United Launch Services wins \$861 mln U.S. defense contract - Pentagon**

<https://finance.yahoo.com/news/united-launch-services-wins-861-211116302.html?>

September 21, 2016

**Feds to assess if SpaceX, South Texas LNG plants will make good neighbors**

<http://www.bizjournals.com/sanantonio/blog/eagle-ford-shale-insight/2016/09/feds-to-assess-if-spacex-south-texas-lng-plants.html?>

## **The Business II: Economics of Space Exploration**

November 21, 2016

**Extraterrestrial Gold Rush: What's Next For The Space Mining Industry?**

<http://www.space.com/34774-whats-next-for-space-mining.html>

November 18, 2016

**Space Tourism: When Will The Rest Of Us Reach Orbit?**

<https://www.cnet.com/news/space-tourism-when-will-rest-of-us-reach-orbit-nasa/>

November 4, 2016

**Luxembourg Invests €25 Million In Asteroid Mining**

<http://spectrum.ieee.org/tech-talk/aerospace/space-flight/luxembourg-invests-25-million-in-asteroid-mining>

November 3, 2016

**There's Big Money To Be Made In Asteroid Mining**

<http://www.businessinsider.com/the-value-of-asteroid-mining-2016-11>

November 3, 2016

**Why China, Secretive For Decades, Is Opening Its Space Program To Tourists**

<http://www.forbes.com/sites/ralphjennings/2016/11/03/why-china-secretive-for-70-years-is-suddenly-opening-its-space-program-to-tourists/#14b384f3371b>

November 3, 2016

**Governments Should Collaborate On Space Mining For Humanity's Benefit: Expert**

<http://www.cnbc.com/2016/11/03/governments-should-collaborate-on-space-mining-for-humanitys-benefit-expert.html>

October 18, 2016

**Civilization Probably Won't Survive Without Space Mining**

<http://www.pcmag.com/news/348708/civilization-probably-wont-survive-without-space-mining>

October 17, 2016

**Asteroid Mining: Deep Space Industries Builds Rockets That Could Use Asteroid Water As Fuel In Space**

<http://www.scienceworldreport.com/articles/50092/20161017/asteroid-mining-deep-space-industries-builds-rockets-use-water-fuel.htm>

October 14, 2016

**"Space Tourism" May Be Possible As Soon As 2020, Say Companies**

<http://www.csmonitor.com/Science/2016/1014/Space-tourism-may-be-possible-as-soon-as-2020-say-companies>

September 17, 2016

**Asteroid Mining: Are We Ready To Race For Space Riches?**

<http://www.scienceworldreport.com/articles/47738/20160917/asteroid-mining-ready-race-space-riches.htm>

## **The Fights: Lawsuits , Settlements, and Investigations**

December 11, 2016

**Root Cause of Progress MS-04 Failure Still a Mystery**

<http://www.spacepolicyonline.com/news/root-cause-of-progress-ms-04-failure-still-a-mystery>

December 8, 2016

**DOD IG Exonerates DOD in Assertions Made by Former ULA Official**

<http://www.spacepolicyonline.com/news/dod-ig-exonerates-dod-in-assertions-made-by-former-ula-official>

December 7, 2016

**ANOMALY UPDATES [SpaceX]**

<http://www.spacex.com/news/2016/09/01/anomaly-updates>

November 23, 2016

**Bad IMU Data Doomed ESA's Schiaparelli Lander**

<http://www.spacepolicyonline.com/news/bad-imu-data-doomed-esas-schiaparelli-lander>

November 4, 2016

**SPACEX'S FUELING PROCESS MAKES NASA QUEASY**

<http://www.universetoday.com/131796/spacexs-fueling-process-makes-nasa-queasy/>

November 2, 2016

**Stafford Committee Worries About SpaceX Plans to Fuel Rocket While Crew Aboard**

<http://www.spacepolicyonline.com/news/stafford-committee-worries-about-spacex-plans-to-fuel-rocket-while-crew-aboard>

October 28, 2016

**SpaceX narrows down cause of Falcon 9 pad explosion**

<http://spacenews.com/spacex-narrows-down-cause-of-falcon-9-pad-explosion/#sthash.G2zjITdN.dpuf>

October 21, 2016

**Senate committee hears spaceport arguments**

[http://goldenisles.news/news/local\\_news/senate-committee-hears-spaceport-arguments/article\\_6f9fb94b-77c5-53ba-bdf8-375881ef4a35.html?](http://goldenisles.news/news/local_news/senate-committee-hears-spaceport-arguments/article_6f9fb94b-77c5-53ba-bdf8-375881ef4a35.html?)

October 17, 2016

**SpaceX's Musk says sabotage unlikely cause of Sept. 1 explosion, but still a worry**

<http://spacenews.com/spacexs-musk-says-sabotage-unlikely-cause-of-sept-1-explosion-but-still-a-worry/>

October 10, 2016

**Shotwell says SpaceX "homing in" on cause of Falcon 9 pad explosion**

<http://spacenews.com/shotwell-says-spacex-homing-in-on-cause-of-falcon-9-pad-explosion/>

October 5, 2016

**SpaceX's Shotwell on Falcon 9 inquiry, discounts for reused rockets and Silicon Valley's test-and-fail ethos**

<http://spacenews.com/spacexs-shotwell-on-falcon-9-inquiry-discounts-for-reused-rockets-and-silicon-valleys-test-and-fail-ethos/>

September 29, 2016

**Congressmen seek answers about Falcon 9 accident**

<http://spacenews.com/congressmen-seek-answers-about-falcon-9-accident/>

September 28, 2016

**Elon Musk Says Falcon 9 Explosion Investigation Remains SpaceX's Top Priority**

<http://www.space.com/34225-elon-musk-falcon-9-investigation-spacexs-top-priority.html?>



## **Miscellaneous**

October 16, 2016

**China launches its longest manned space mission, aims to explore ‘more deeply and more broadly’**

[https://www.washingtonpost.com/world/china-launches-longest-manned-space-mission-aims-to-explore-more-deeply-and-more-broadly/2016/10/16/1ce33f6a-8d45-4b45-94b6-8e817ce714f7\\_story.html?](https://www.washingtonpost.com/world/china-launches-longest-manned-space-mission-aims-to-explore-more-deeply-and-more-broadly/2016/10/16/1ce33f6a-8d45-4b45-94b6-8e817ce714f7_story.html?hpid=hp_hp-top-table-main-space%3Achina%3Achina-launches-longest-manned-space-mission-aims-to-explore-more-deeply-and-more-broadly%3Ahomepage%2Fstory&hpid=hp_hp-top-table-main-space%3Achina%3Achina-launches-longest-manned-space-mission-aims-to-explore-more-deeply-and-more-broadly%3Ahomepage%2Fstory)

October 14, 2016

**How should America feel about China's space ambitions?**

<http://www.planetary.org/blogs/jason-davis/2016/20161014-america-china-space-ambitions.html>

## **UPCOMING CONFERENCES AND EVENTS – SPACE (NOT PRIMARY SPACE LAW FOCUS)**

20th Annual FAA Commercial Space Transportation Conference

Washington, DC

February 7-8, 2017

[https://www.faa.gov/about/office\\_org/headquarters\\_offices/ast/meetings\\_events/](https://www.faa.gov/about/office_org/headquarters_offices/ast/meetings_events/)

DisruptSpace

Bremen, Germany

March 6-8, 2017

<http://disruptspace.io/>

Space Foundation Space Symposium

Colorado Springs, CO

April 3-6, 2017

<http://www.spacesymposium.org/>

Astrobiology Science Conference 2017 (AbSciCon 2017)

Mesa, Arizona

April 24–28, 2017

<http://www.hou.usra.edu/meetings/abscicon2017/>

Space Forum

European Convention Center Luxembourg

May 9-10, 2017

<http://www.spaceforum.com/>

National Space Society International Space Development Conference  
St. Louis, MO  
May 25-29, 2017  
<http://isdc.nss.org/2017/>

2017 Global Space Exploration Conference  
International Astronautical Federation  
Beijing, China  
June 6-8, 2017  
[http://www.iafastro.org/wp-content/uploads/2016/11/GLEX2017\\_Brochure\\_Nov2016.pdf](http://www.iafastro.org/wp-content/uploads/2016/11/GLEX2017_Brochure_Nov2016.pdf)

International Astronautical Congress  
Space Industry Association of Australia  
September 25-29, 2017  
<http://www.iac2017.org/>

## PHOTOS

Col. John Herschel Glenn Jr. (July 18, 1921 – December 8, 2016) was an American aviator, engineer, astronaut, and United States Senator from Ohio. First American to orbit the Earth, February 10, 1962. Photo Credit: NASA. <https://www.nasa.gov/content/profile-of-john-glenn>

