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Hosted Payload Advances *from HPA*

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Message from the HPA Chairman

Janet Nickloy, Chairman



Greetings! As I might be a new face to some of you, let me start with a brief introduction. My name is Janet Nickloy and I've been in the Aerospace industry for nearly 25 years, working for Harris Corporation in sunny Florida. I've held various positions in engineering, program management and business development, with my current role as Director of Aerospace Mission Solutions, where we touch the DoD, commercial, civil and intelligence communities.

So you might be wondering why my interest in hosted payloads as Harris is not a bus house or owner/operator. I'll be honest – it wasn't that long ago when I hardly knew what the term meant. But over the past two years, I have gotten a crash course in hosted payloads as my team pursued, architected, bid, won and (the hardest part) negotiated a contract with Aireon for 81 hosted payloads to fly on Iridium NEXT. (Since then, we continue to evaluate hosted payloads to fly on our hosted payloads!) This journey has been a tremendous education in both the opportunity and challenges associated with hosted payloads. As the HPA Chair, I hope to leverage my experience while helping to bring hosted payloads into the mainstream.

So what are our goals for 2013? In looking back at HPA's inaugural year, tremendous strides were made in building awareness of the opportunities and benefits associated with hosted payloads. The term is no longer a curiosity but has become commonplace in our industry – among both the

government and commercial sectors. The government has taken pro-active steps to capitalize by establishing hosted payload offices in both the Air Force and NASA. But despite the resounding ground swell that hosted payloads offer tremendous value, they are far from commonplace with only a handful of pending procurements. The deterrent, at least in part, is the unique challenges associated with hosted payloads.

That leads me to our 2013 objective, which is to focus on identifying, dissecting and resolving key issues. We intend to create government-industry forums where we openly debate the issues and brainstorm solutions that satisfy the needs of both government and industry. Through collaborative dialogue, we believe we can pave the path forward for more commonplace usage of hosted payloads. We have engaged the government community on the concept and it is overwhelmingly supportive. Our first workshop is planned for April 8 in Colorado Springs, preceding the National Space Symposium, and we certainly hope you can join us. More information can be found on the HPA website.

With that, I look forward to working with each of you over the coming year. We have a tremendous board that is motivated, knowledgeable and engaged. I thank you in advance for your continued collective efforts as we press forward in making hosted payloads a viable alternative to access space.

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HPA Key Issues Workshop at NSS



Registration is currently open for the Hosted Payload Key Issues Workshop, sponsored by the Hosted Payload Alliance. The Workshop will take place on Monday, April 8, 2013 at The Broadmoor Hotel in Colorado Springs, CO.

The workshop is designed to facilitate open dialogue between government and industry, tackling key issues that are potential obstacles for more widespread use of hosted payloads. The full-day program will provide an in-depth examination of obstacles associated with the hosted payload issues; interactive discussion among participants on how these issues were resolved in successful hosted payload programs, and the identification of potential solutions.

The workshop gets underway at 9am. Lunch will be provided, with a keynote address to be given via live video feed by Col. Scott Beidleman, Director, Development Planning Directorate, USAF SMC/XR.

For more information about the Key Issues Workshops and to register, please visit www.hostedpayloadalliance.org, or contact Nathan Zastrow at HPA headquarters via email at nzastrow@hostedpayloadalliance.org, or call +1-847-480-9080.

(Please note: The workshop may be modified due to lack of government participation from sequestration.)

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Northrop Grumman Delivers First Communications Payload for U.S. Air Force's Enhanced Polar System

Northrop Grumman Corporation has delivered the first of two protected communications payloads for the U.S. Air Force's Enhanced Polar System (EPS) that will provide continuous coverage in the North Polar Region for secure, jam-resistant, strategic and tactical military communications.

The extremely high frequency (EHF) payload, which will be flown on a host satellite, leverages protected communications technologies the company developed for the Air Force's Advanced EHF (AEHF) satellite payloads on a smaller scale to meet reduced mission requirements for EPS. The first payload delivered will become part of an overall EPS network planned to replace the Interim Polar System currently on orbit and serve as a polar adjunct to AEHF.

Both EPS payloads feature onboard processing units similar to those on AEHF satellites, but are modified to meet reduced mission requirements, said Tim Frei, Vice President, Communication Systems. The payloads integrate functions of the Configurable On board Router, Demodulator and Resource Control Computer / Security Equipment Computer on AEHF payloads into a single eXtended Data Rate Processing Unit on EPS, for example.

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Successful HPA Panel at Satellite 2013

The HPA hosted a panel discussion entitled, "Considering Commercial Space Alternatives in Early Stages of the Acquisition Process" at Satellite 2013. Participants include Moderator David A. Turner, Deputy Director Space & Advanced Technology, US Department of State; Dylan Browne, Vice President Business and Market Development, Astrium Government Services, Inc.; Prasun N. Desai, Ph.D., Acting Director for Strategic Integration/Rideshare Manager, Space Technology Program, NASA; and William Gattle, Vice President, Aerospace Systems, Harris Corporation.

The panel brought a broad perspective with representation from the government, owner/operator, satellite manufacturing and payload manufacturing sectors. While each panelist acknowledged the challenges associated with hosted payloads, the discussion was all about solutions, with each panelist drawing on real-world experiences of successful hosted payload implementations. The resounding message was we can work together as a community to make this successful, leaving the audience with a spirit of optimism.

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Upcoming Events

Milsatcom

March 25 – 27, 2013

Los Angeles AFB

Gordon Conference Center (Bldg 270)

Los Angeles, CA

Hosted Payload Workshop, sponsored by HPA

April 8, 2013

The Broadmoor Hotel

Colorado Springs, CO

Please see the [HPA website](#) for further details on the workshop.

29th National Space Symposium

April 8-11, 2013

The Broadmoor Hotel

Colorado Springs, CO

Please see the NSS website for details on the HPA Panel to be held Wednesday April 10 from 4:00-5:00 p.m.

Please see above regarding HPA's Workshop at the National Space Symposium.

Reinventing Space 2013

October 14 – 17, 2013

Los Angeles, CA

Hosted Payload Summit 2013

October 9, 2013

Grand Hyatt Washington

Washington, DC

Satcon 2013

November 13-14, 2013

Javits Convention Center

New York, NY

HPA will host a panel at this annual conference in New York.

Asia-Pacific Satellite Communications Council (APSCC)

APSCC 2013 Satellite Conference & Exhibition

September 24-26, 2013

Hong Kong

HPA will host a hosted payloads panel at APSCC, the first time this topic has been addressed at this international conference.

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