

**ARISS International Monthly Meeting Teleconference
21 November 2017 1200 UTC**

Participants:

Oliver Amend
Frank Bauer
Gaston Bertels
Jean-Pierre Courjaud
Francesco De Paolis
Gianpietro Ferrario
Bruce Hunter
Bertus Husken
Tony Hutchison
Tatiana Kolmykova
Keigo Komuro
Lou McFadin
Ciaran Morgan
Jan Poppiliers
Keith Pugh
Kenneth Ransom
Dave Taylor
Rosalie White
Eskil van Loosdrecht
Satoshi Yasuda

Unable to attend:

Fabio Azzarello
Kerry Banke
Darin Cowan
Emanuele D'Andria
David Jordan
Ken Nichols
Sergey Samburov
Graham Shirville
Mark Steiner

Meeting Agenda

Roll Call—Rosalie White, K1STO

The roll call was handled by Rosalie White.

Welcome—Frank Bauer, KA3HDO

The worldwide ARISS team is working on many things. We are in the most in-depth and comprehensive team effort in our 20-year history. Paolo Nespoli is very actively supporting ARISS, keeping our teams busy. The Australians are working with HamTV. The hardware team continues to develop the new radio system. New relationships have recently been established with ESA involving the Deep Space Gateway call for ideas submittal that were sent in by ARISS.

The new president of AMSAT-NA is Joe Spier, K6WAO, an ARISS team member; many of the team met him at the 2016 ARISS Meeting in Houston. He is an ARISS Mentor and continues to be a great ARISS supporter. ARISS thanks Barry Baines, WD4ASW, for his 9 years as AMSAT-NA president and his tremendous ARISS support during that time. Especially for his support to ARISSat and during the period when Frank Bauer stepped down as AMSAT-NA Vice President for Human Spaceflight.

1. Minutes from September ARISS-I Meeting - Rosalie White, K1STO

[Informational]

Summary: Rosalie White requested that Delegates vote via email for acceptance of the September meeting minutes and those minutes are now approved. Minutes for the meeting in Rome have been started but are not completed.

Discussion: There was no further discussion.

2. Changes, ARISS-Canada Delegates - Frank Bauer, KA3HDO

[Informational]

Summary: Ian MacFarquhar has stepped down as the ARISS-Canada Delegate for the Radio Amateurs of Canada (RAC). Discussion is proceeding at RAC on a replacement delegate. Several Canadian hams are being considered for the Canadian delegate representing AMSAT-NA.

Discussion: Currently, there are no ARISS Delegates from Canada. There will be more discussions held with RAC on who will be their new delegate. At the AMSAT Symposium, more discussion was held with Canadian AMSAT leaders about potential ARISS delegates to represent AMSAT-NA. Chet Latawiec, VE3CFK, is being considered. It is hoped two Canadian delegates will be in place prior to another Canadian astronaut going into space.

3. Update on IORS Safety Data Package - Frank Bauer, KA3HDO

[Informational]

Summary: ARISS successfully completed a Phase 0/I safety review with NASA. ARISS received several actions to be completed in the next 6 weeks as part of the Phase 0/I safety review. NASA has forward actions to discuss specific safety questions with ESA safety

specialists, through direct interaction. They will also interface with the Russian safety specialists through the JCCT process. ARISS will continue to evolve the safety data package for a follow-on Phase II safety review in February 2018 and the Phase III (final) safety review in April 2018.

Discussion: Having the ARISS Team lead the Safety Review and develop the Safety Data Package on their own was a major milestone for ARISS. The team received compliments on the work they did. They received some action items from NASA, and NASA took away some action items, too. The ARISS Team will be reporting on its action items as part of the review process to take place during the Phase II safety review in February 2018. It is likely launch will be in autumn 2018.

4. Update on ESA Deep Space Gateway (DSG) Call for Ideas - Oliver Amend, DG6BCE, Frank Bauer, KA3HDO, and Ciaran Morgan, M0XTD [Informational]

Summary: Four ideas were submitted on November 13, 2017 jointly by ARISS and the international AMSAT organizations to ESA Education's "Call for ideas for the DSG. These included 1) the development of amateur radio station infrastructure to be embedded in the Deep Space Gateway and a set of education ideas tuned to support 2) primary education, 3) secondary/high school education and 4) university level education.

Discussion: The submittal of ideas to ESA Education was followed by some discussions on the Deep Space Gateway ideas at the ESERO education conference on November 15, 2017. An "ESA Deep Space Gateway Workshop" is planned at ESA/ESTEC on December 5-6, 2017. This workshop is mainly dedicated to presenting the result of the parallel "ESA Scientific Call for Ideas," the "ESA Educational Call for Ideas" and is currently embedded with a 15-minute presentation by ESA; no educational splinter is planned to be held at the workshop.

5. MarconISSta and ESA - Oliver Amend, DG6BCE [Informational]

Summary: A MarconISSta project representative asked ARISS to grant access to the ARISS L/S and UHF/VHF antennas for several short experiment periods, starting in mid-2018 with the A. Gerst "Horizons" mission. The details on the MarconISSta project were presented at the ARISS 2017 Face-to-Face Meeting in Rome although some team members were not in the meeting room while doing testing of the multi-voltage power supply.

Discussion: Two files of technical information from the MarconISSta project, including what was presented in Rome, have recently been submitted to the ARISS-International Technical Evaluation & Support Committee for evaluation and discussion.

ARISS Team will also discuss who would be responsible for the on-orbit hardware and the safety issues.

Ad-hoc

Information will be circulated soon on the new generation of Astro Pi; potentially, it could work with MarconISSta.

NASA on the Air (NOTA) is a one-year celebration through December 2018, sponsored by the NASA facilities' amateur radio clubs. These amateur radio clubs will support radio activities that will commemorate NASA milestones during its 60 year history. ARISS first heard a little about this celebration in July, and asked the NOTA committee to interface with us further on their plans. On November 16, ARISS was told that the ISS would be one of the radio clubs listed to participate. Information on the ARISS web site will need to list the NOTA URL so that people can go to the NOTA web site to learn more.

The next ARISS-International meeting will be December 19, 2017.

Respectfully submitted,

Rosalie White, K1STO
ARISS-International Secretary-Treasurer
December 5, 2017